Kimberlite Indicator Minerals from the Central Mackenzie Valley, Northwest Territories, Canada: A Reconnaissance Geochemistry Survey

by

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Abstract

The Central Mackenzie Valley (CMV) area of Northwest Territories is underlain by Precambrian basement belonging to the North American Craton. The potential of this area to host kimberlitic diamond deposits is relatively high judging from the seismologically-defined lithospheric thickness, the age of basement rocks (2.2-1.7 Ga) and presence of kimberlite indicator minerals (KIMs) in Quaternary sediments. This study presents new major, minor and trace element chemistry data for kimberlite indicator mineral (KIM) grains collected from two regions within the Central Mackenzie Valley, Northwest Territories. The data, along with new kimberlite-related rutile U-Pb ages and ilmenite Hf isotopic compositions are used to constrain the composition and thickness of the lithospheric mantle sampled by the source kimberlite(s) and age of these kimberlites for these two regions. In the processed samples, peridotitic garnets dominate (> 25 % at each location) while eclogitic garnet is almost absent in both regions (< 1 % each).

KIM chemistry for the Horn Plateau indicates significant diamond potential, with a strong similarity to KIM systematics from the Central and Western Slave Craton. The most significant issue to resolve in assessing the local diamond potential is the degree to which KIM chemistry reflects local and/or distal kimberlite bodies. Radiogenic isotope analysis of detrital kimberlite-related CMV oxide grains requires at least two broad age groups for eroded source kimberlites. Statistical analysis of the data suggests that it is probable that some of these KIMs were derived from primary and/or secondary sources within the CMV area, while others may have been transported to the area from the east-northeast by Pleistocene glacial and/or glaciofluvial systems. At this stage, KIM chemistry does not allow the exact location of the kimberlitic source(s) to be constrained.

Preface

Most of the research conducted for this thesis forms part of a collaboration between Scott Cairns, Manager of Mineral Deposits and Bedrock Mapping at the Northwest Territories Geological Survey (NTGS) and Professor D. Graham Pearson at the University of Alberta.

This thesis is laid out as two separate manuscripts based on MSc research by S.P., supervised by G.P. A shortened (modified) version of Chapters 1 and 2 has already been submitted for publication in the 11th International Kimberlite Conference (IKC) Proceedings in the peer-reviewed journal Mineralogy and Petrology and is awaiting edits and reviews. The other portion of the thesis (Chapter 3), which was intended to be published, is unlikely to define its own peer-reviewed paper due to the lack of conclusive results.

The Geological Survey of Canada (GAC) and NTGS collected all samples from the Central Mackenzie Valley, Northwest Territories, conducted EPMA for mineral grains from the Horn Plateau region and wrote several open files regarding the discussed geochemical data for Chapter 2. The remaining samples were donated by G.P. and Larry Heaman of the University of Alberta. S.P. was responsible for the rest of the data collection and analytical work for Chapters 2 and 3, as well as the concluding analysis in Chapter 4. Assistance for EPMA was by Andrew Locock, LA-ICP-MS by Yan Luo and MC-ICP-MS by Chiranjeeb Sarkar, all at the University of Alberta. Literature review and manuscript composition are the original work of S.P.

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I gratefully acknowledge and thank the Northwest Territories Geological Survey (NTGS) for giving permission to publish most of the data related to this research, as well as funding analytical costs. The remainder of funding was provided by a Natural Sciences and Engineering Council of Canada (NSERC) Collaborative Research and Training Experience (CREATE) grant to D.G.P. I would like to specifically thank Scott Cairns, of the NTGS, for providing me with all necessary samples and resources to excel with this research, as well as providing great discussion and enthusiasm regarding the sample set and its potential prospectivity.

The analytical results published here would not have been possible without the endless technical support of Chiranjeeb Sarkar. The amount of training he provided in geochemical lab techniques, instrument analysis methods and data reduction procedures is truly astonishing and I am forever grateful. Sarah Woodland was a huge help with explaining clean laboratory procedures and was always ready to help troubleshoot whenever any geochemical and technical problems arose.

Thanks are due to Martin Von Dollen, who always made time to ensure samples were properly prepared when needed, even on short notice and Mark Labbe who always provided instruction and supplies for the many geochemical laboratories work was completed in. Andrew Locock was helpful during use of the electron microprobes and I thank him for the hours of session preparation, standard selection discussions and examination of data quality. Also, I thank Yan Luo for her help and training with laser setup and data reduction procedures. Finally, Yannick Bussweiler, Matthew Hardman, as well as many other graduate students from our lab group, are thanked for endless hours of valuable guidance and discussions regarding analytical and statistical techniques and publishing data.

The unconditional love and support of my siblings, Thomas and Sylvain has been irreplaceable since day one, but specifically during my MSc. You two have always challenged and inspired me to care, question and push boundaries (B4L). Finally, I would like to thank my parents for allowing my childhood curiosity of the Earth to be explored to its full potential and for your never-ending support; insisting that I have the best possible future, whatever it may be.

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List of Abbreviations

bdl	below detection limit
BSE	backscattered electrons
°C	degrees Celsius
CMV	Central Mackenzie Valley
EDS	energy dispersion X-ray spectrometry
EPMA	electron probe microanalysis
FTIR	Fourier transform infrared spectroscopy
G3	classification for mantle-derived low-Ca eclogitic garnet
G4	classification for mantle-derived high-Ca eclogitic to pyroxenitic garnet
G9	classification for mantle-derived, Mg- and Ca-rich lherzolitic garnet
G10	classification for mantle-derived, Mg-rich and Ca-poor harzburgitic garnet
G10D	"D" suffix indicates a strong association with diamonds
G11	classification for mantle-derived high-TiO_2 peridotitic garnet
G12	classification for mantle-derived wehrlitic garnet
Ga	billions of years ago
GPa	gigapascal
HFSE	high field strength elements
HREE	heavy rare earth elements (Er to Lu)
ICP-MS	inductively coupled plasma mass spectrometer
ka	kilo-annum (thousand years before present)
km	kilometer
LILE	large ion lithophile elements
LOD	limit of detection
LOQ	limit of quantification
LREE	light rare earth elements (La to Gd)
m	meter
Ma	millions of years ago
mg#	magnesium number: molar ratio of Mg/(Mg+Fe)
MREE	middle rare earth elements (Gd to Er)
MSWD	Mean Square Weighted Deviation
mW/m^2	milliwatts per metre squared (unit of flow)
MΩ	Milli-Q water
NIST SRM	National Institute for Standards and Technology Standard Reference Material
NT	Northwest Territories
ppm	concentration expressed as parts per million
REE	rare earth elements
REE_N	"N" subscript indicates normalized value
σ	(lower case Greek sigma) error expressed as 1 standard deviation from the mean
SEM	secondary electron multiplier
WDS	wavelength dispersion X-ray spectrometry
wt%	concentration expressed as weight percent
µg	microgram
µm	micrometer (micron)

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Chapter 1: Introduction

1.1 Thesis Goals and Objectives

The main goal of this research is to apply statistical and thermobarometry techniques to major, minor and trace element analytical geochemistry, as well as U-Pb and Hf isotopic compositions from an expansive collection of mantle-derived minerals recovered from surficial deposits in the Central Mackenzie Valley (CMV), Northwest Territories, Canada. These approaches are applied to address the diamond potential and nature of the lithosphere sampled by the source kimberlite(s) of the analyzed KIMs. Viable geographic locations and emplacement ages for these potential sources in northern Canada are considered. The results provide insight into the lithospheric thickness and size of the "diamond-window" at the time of kimberlite emplacement (or eruption), as well as the approximate age for the source(s) of these KIMs. The results have major implications for future diamond exploration efforts and for decisions regarding potential protected areas in the Northwest Territories. Additionally, the results of this research contribute to future studies investigating the Hf mantle evolution curve defined by worldwide kimberlitic ilmenites and shed some insight on the relationship of megacryst ilmenites crystallizing in parental kimberlite magmas/melts.

1.2 Background

Since the 1991 discovery of the first diamondiferous kimberlite in the Lac de Gras area, approximately 300 km north-northeast of Yellowknife, more than 300 kimberlites - many diamondiferous - have been identified in the Northwest Territories (NT). In 1998, the Ekati

diamond mine became the first producing diamond mine in the Northwest Territories. Since then, diamond mining has had a dominant impact on the economy of the Northwest Territories, contributing over 90 % of its total gross domestic product (NWT and Nunavut Chamber of Mines, 2014). Currently, there are three producing diamond mines in the Territory: Diavik and Ekati in the Lac de Gras region and Gahcho Kué, approximately 280 km northeast of Yellowknife which opened in September 2016. Currently, expected mine lives for the Diavik, Ekati and Gahcho Kué are 2025, 2041 and 2029, respectively (NWT and Nunavut Chamber of Mines, 2017). This heavy reliance on the diamond industry makes the discovery of future economic diamond deposits of the utmost importance for the economy of the Northwest Territories.

These kimberlite discoveries have provided new suites of peridotite and eclogite xenoliths, as well as diamonds, generating considerable interest in the mantle beneath the Slave Craton (e.g., Carbno and Canil, 2002; Creaser et al., 2004; Griffin et al., 2004; Menzies et al., 2004; Aulbach et al., 2007, 2011). Despite the economic significance of diamond mines from the Central Slave Craton, relatively little research has been conducted on the remaining portions of cratonic lithospheric mantle underlying other parts of northern Canada, such as the area surrounding the Slave Craton margin. The possible existence of thick and cold diamond-bearing cratonic lithosphere under the Central Mackenzie Valley (CMV), NT, more than 200 km west of the Slave Craton margin is currently poorly constrained petrologically, but clearly indicated by seismology (Figure 1.1; Schaeffer and Lebedev, 2014).

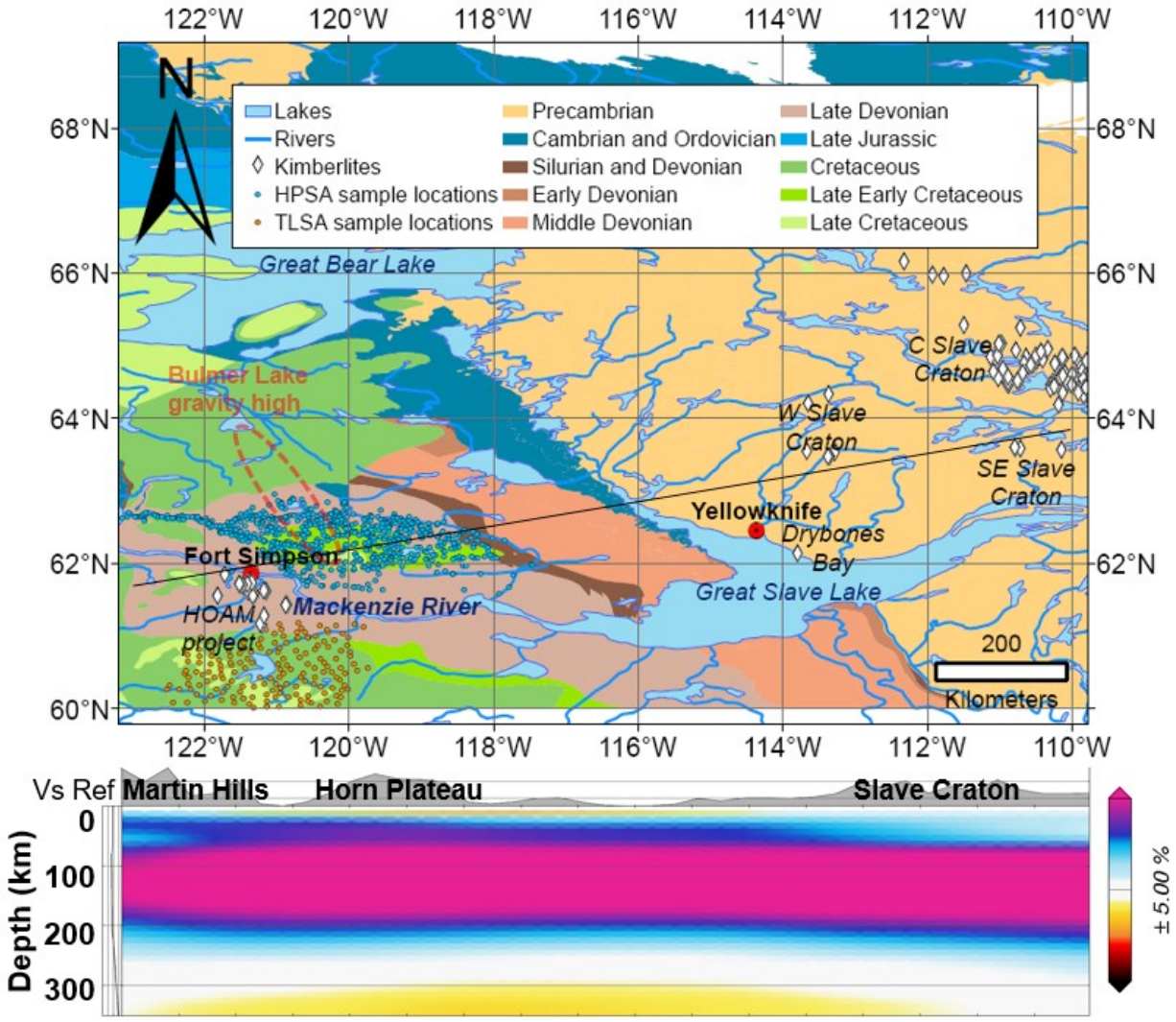

Figure 1.1 Bedrock geology map of Northwest Territories showing the Central Mackenzie Valley (CMV) sample locations for both areas. Horn Plateau = Horn Plateau study area, Trout Lake = Trout Lake study area. Diamonds = kimberlites, dashed red line ellipse = outline Bulmer Lake gravity high. Black line = line of lithosphere seismic tomography cross-section (on bottom) from Schaefer and Lebedev (2014). See legend for rest of symbology. The prominent Horn Plateau in the centre of Horn Plateau (it rises 300-450 m above the surrounding plains) broadly correlates to the Late Cretaceous sedimentary rock outline (green; see cross-section below). Kimberlite locations after Pitman (2014) and NTGS GoData Kimberlite Anomaly and Drillhole Data (KANDD). Note pink indicates cold lithosphere for cross-section which is ~ 200 km thick lithosphere presently under most of CMV and Slave Craton.

1.2.1 Using kimberlite indicator minerals

Deep within Earth's mantle at depths greater than 150 kilometres, high temperatures and pressures convert carbon into diamonds (Figure 1.2a). It is predominantly here that diamonds co-exist with other mantle minerals, often referred to as kimberlite indicator minerals (KIMs). Notable KIMs include clinopyroxene (Cr-diopside), eclogitic garnet, peridotitic (Cr-pyrope) garnet, (Mg-) ilmenite, olivine and chromite (spinel). These mantle-derived minerals always occur in higher quantities than diamonds in kimberlites and have unique geochemical characteristics that indicate they formed in a similar environment as diamond. Furthermore, some KIMs are robust in most climates, surviving surficial erosion, transport and weathering processes to varying degrees, depending on the mineral. As such, diamond exploration is focused on tracing these robust, visually and chemically distinct KIMs that are in greater abundance and spread over a wider area in the secondary environment, than diamond.

Once a kimberlite is eroded, KIMs are displaced in the surficial environment and can be found in a variety of settings, such as river and stream sediments and in sand and gravel that has been moved by glaciers (Figure 1.2b). Typically, sand-sized (0.25 to 2.0 mm) KIM grains are collected in diamond exploration sampling programs, occasionally concentrated by gravity methods, sorted visually into mineral groups and analyzed for their chemical properties. The interpretation of KIM chemistry is well-established, with minerals having geochemical similarities or genetic links to diamonds or diamond inclusions, being named diamond indicator minerals (DIMs). Where an abundance of KIMs proves to be dominated by DIMs, their chemistry is evaluated and the potential of their kimberlite source to have diamonds can be estimated (e.g., Gurney et al., 1993; Fipke et al., 1995; McClenaghan and Kjarsgaard, 2001).

The principle of a KIM sampling program in glaciated parts of Canada is simple. As the glaciers advanced, they eroded, homogenized and re-distributed the components of kimberlitic bedrock that they passed over. Therefore, if KIMs are collected from the re-distributed surficial material, their bedrock source will lie in the up-ice (analogous to up-stream) direction. In reality, regional sampling surveys within previously glaciated regions face many complexities in the glacial history, later redistribution of deposits by meltwater channels and/or lakes and more recent alluvial distribution within drainage basins on both local and regional scales (e.g., KIMs from stream sediments represent the erosional watershed which produced the alluvium; McClenaghan and Kjarsgaard, 2007). Notwithstanding these complexities, numerous regional sampling and drift prospecting surveys since the early 1990s, especially in northern Canada, have yielded successful documentation of KIM dispersal trains/fans over varying topographic barriers and between one or more drainage basins back to their kimberlite source (e.g., McMartin and Paulen, 2009 and references therein). The extensive glacial and organic cover, as well as lack of outcrop of the CMV, makes sampling for KIMs from heavy mineral concentrates from surficial deposits an extremely effective and invaluable tool for evaluating the diamond potential of this region, barring their source(s) are local.

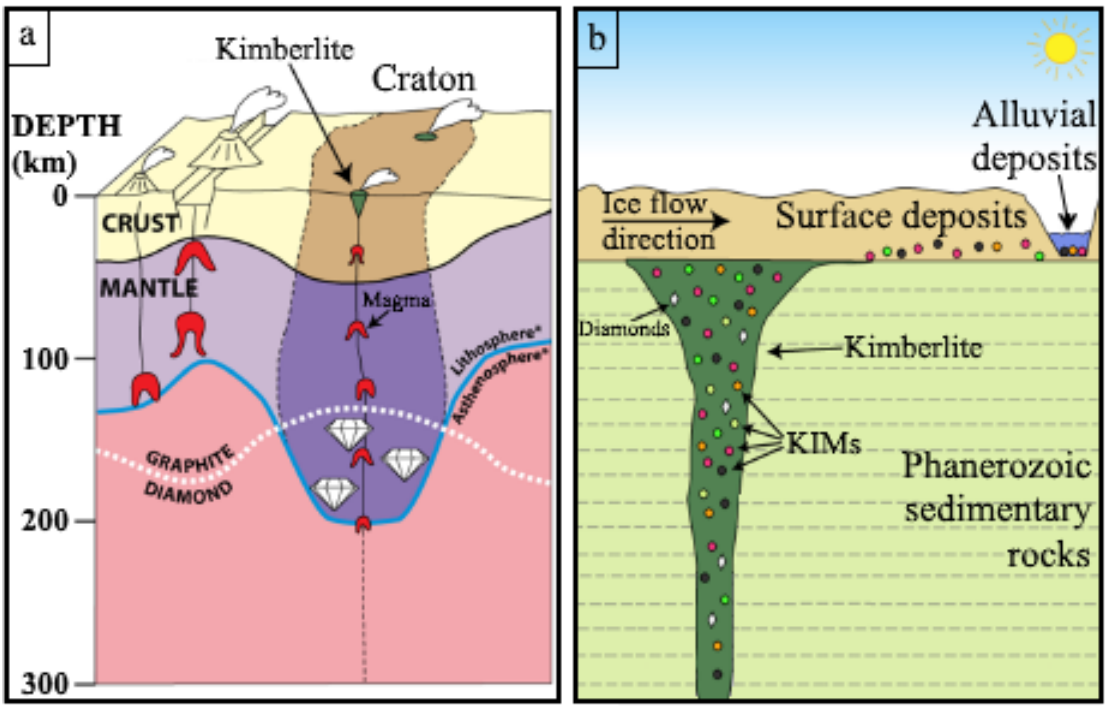

Figure 1.2 (a) Cross-section through the Earth, portraying the crust and upper mantle (modified after Stachel and Harris, 2008). Note lithosphere* is the solid outer shell of the Earth, while the asthenosphere is the ductile part of the Earth, below the lithosphere. **(b)** Schematic cross-section of a kimberlite and the host sedimentary rock, as well as the glacial erosion and subsequent transport of kimberlite indicator minerals (KIMs; can include diamonds) in surface and alluvial deposits (modified from Banas et al., 2016) possibly relevant to the two areas.

1.2.3 Previous Exploration and Research

The CMV, south of Great Bear Lake, has seen relatively little diamond exploration. In the late 1970s, Diapros Canada Ltd. (a subsidiary of De Beers) first recovered KIMs within a drainage basin of the Blackwater River, on the northern extent of the CMV. Following this, BP Resources Canada Ltd. outlined a region of anomalous KIMs with high diamond potential including the CMV area. Following this, the Selection Trust Division of BP Resources Canada Ltd. conducted large regional sampling programs from 1984 to 1988, which outlined a region of anomalous KIMs with high diamond potential spanning from the edge of the Canadian Shield in the east, to

Great Bear Lake in the north and the Mackenzie River in the west and south. Olivut Resources Ltd. is currently exploring this area and has reported the discovery of at least 29 kimberlites (two diamondiferous) since the commencement of their HOAM project in 1993 (Figure 1.1; Pitman, 2014). The reported kimberlite indicator mineral (KIM) chemistry from these kimberlites (Pitman, 2014) differs from data obtained during regional stream sediment and till sampling (Day et al., 2007; Mills, 2008; Watson, 2010) suggesting the possible presence of additional, potentially diamondiferous sources within the CMV or complex mineral transport into the region.

The mineral potential of the Edéhzhíe and Sambaa K'e candidate protected areas within the CMV have been previously evaluated by the Northwest Territories Geological Survey (NTGS). The evaluation is part of the Non-renewable Resource Assessment (NRA) under Step 5 of the Northwest Territories Protected Areas Strategy (PAS). The Phase I reports compiled all existing geologic information, identified prospective mineral deposit types, outlined information gaps and made recommendations intended to increase the confidence level of the mineral potential evaluation for these two candidate protected areas (Gal and Lariviere, 2004; Pronk, 2008). Meanwhile, Phase II reports provided geologic interpretation of the data; these were conducted between 2003 and 2006 for the Horn Plateau and between 2008 and 2011 for the Trout Lake (Day et al., 2007; Mills, 2008; Watson, 2010).

1.3 Study Location

Both CMV areas are located in southwestern Northwest Territories, within the Interior Plains physiographic province. This large region of grassland, forest, and tundra, covering some

2,000,000 km^2 makes up parts of other prairie provinces (Manitoba, Saskatchewan, Alberta and the northeast corner of British Columbia). It is comprised of lowlands, plains and plateaus covered by a thick mantle of glacial drift, with its present-day topography substantially modified by Pleistocene glacial activity.

1.3.1 Horn Plateau area

The Edéhzhie Candidate Protected Area herein referred to as the 'Horn Plateau area' (Horn Plateau), lies east and north of the Mackenzie River, > 180 km to the west of Yellowknife and encompasses an area of 25,233 km^2 (Figure 1.1). The Horn Plateau is mainly of low relief, with an average elevation of fewer than 350 m above sea level. Within the centre of this area is a large topographic high, the Horn Plateau; this dominant physiographic feature is believed to be an erosional outlier of the Alberta Plateau to the south (Figure 1.1; Stott et al., 1993). It rises ~ 450 m above the surrounding land, with a gentle slope on the west side, a steep scarp on the south side and gentle east and north scarps (Craig, 1965; Williams, 1985). Many recent landslides and slumps have affected the south escarpment of the plateau, while generally poor drainage has resulted in large areas of swamp and muskeg throughout most of the region.

1.3.2 Trout Lake area

The Sambaa K'e Candidate Protected Area herein referred to as the 'Trout Lake area' (Trout Lake), lies further south, north of the 60th parallel and south of the junction of the Mackenzie and Liard Rivers, encompassing an area of 10,680 km^2 (Figure 1.1). Central to the region is Trout Lake, comprising an area of approximately 500 km^2. Elevations in the Trout Lake range from approximately 200-800 m, with the lowest area in the northern portion, parallel the Mackenzie Highway at about 240 m above sea level. The highest elevation in the region is at

Redknife Hills at 792 m, while an average elevation of 610 m exists south of Trout Lake. The Horn Plateau and Trout Lake areas lie within the large Mackenzie River watershed which drains towards the north, eventually into the Arctic Ocean.

1.4 Geologic Setting

The CMV lies within the Interior Platform geological province, a portion of the Western Canadian Sedimentary Basin (WCSB). It is located between the eastern edge of the Cordillera and the western margin of the Slave Craton (Figure 1.1). The CMV area is covered by a thick (> 1 km) sequence of Phanerozoic sedimentary rocks which overlie Precambrian crystalline and metasedimentary rocks and make up the stable interior region of the continent as part of the North American Craton. The sub-horizontal, largely undeformed Phanerozoic sedimentary rocks thicken westward from a few hundred metres in the east to over two kilometres at the Cordilleran front.

1.4.1 Precambrian Geology

The North American Craton is a vast cratonic region consisting of a complicated collage of Archean cratons that were amalgamated and have remained a cohesive block since ~ 1.7 Ga (Hoffman, 1988). Paleoproterozoic rifting formed a fold and thrust belt (the Wopmay Orogen) which resulted in sedimentation along the passive western margin of the Archean Slave Craton (Hoffman and Bowring, 1984; Ootes et al., 2015). The north-trending Wopmay Orogen (ca. 1.95–1.85 Ga; Hildebrand et al., 2010a, 2010b; Davis et al., 2015; Ootes et al., 2015) consists of the Coronation margin and its cratonic and reworked Archean Slave Craton basement in the east, as well as the Great Bear Magmatic Zone and the Hottah Terrane in the west (Hoffman, 1988;

Villeneuve et al., 1991; Aspler et al., 2003; Cook and Erdmer, 2005; Ootes et al., 2015). The 1.95-1.89 Ga Hottah Terrane evolved as an exotic arc built on a ca. 2.0–2.4 Ga basement that subducted before experiencing either transtensional shear movement or terrane translation (Ootes et al., 2015).

Following the opening of the Coronation ocean, the microcontinent and overriding arc of the Hottah Terrane accreted to the western margin of the Slave Craton at the onset of the Calderian Orogeny (ca. 1882 Ma; Hildebrand, 1981; Hoffman and Bowring, 1984; Bowring and Grotzinger, 1992; Cook and Erdmer, 2005; Hildebrand et al., 2010a). The 1.88–1.85 Ma Great Bear Magmatic Zone consists of calc-alkaline volcanic and plutonic rocks (Hildebrand, 1981; Hildebrand et al., 1987, 2010a). Driven by oblique east-dipping subduction, these igneous rocks were erupted onto and intruded into the older Hottah Terrane, burying any inferred suture between the two and dominating bedrock exposures (Bowring, 1984; Hildebrand et al., 2010b; Ootes et al., 2015). To the west, the Fort Simpson Terrane (magnetic high) is interpreted to be a calc-alkaline plutonic complex related to east-dipping subduction at ca. 1.84 Ga beneath the Hottah Terrane (Hoffman, 1988; Cook et al., 1999; Aspler et al., 2003; Cook and Erdmer, 2005). Further west lies the enigmatic Nahanni Terrane (magnetic low; Hoffman, 1988; Cook et al., 1999; Cook and Erdmer, 2005). It has been interpreted as a collided microcontinent (Hoffman et al., 1982) or a sedimentary basin formed on the attenuated crust of the Fort Simpson Terrane (Aspler et al., 2003).

A precursory period of regional extension (i.e., rifting) with associated sedimentation and local volcanism following Paleoproterozoic assembly (i.e., Laurentia and Nuna) led to the North American Craton becoming partially buried beneath intra-continental Proterozoic basins (e.g., Ft. Simpson Basin), particularly along its margins (Stott et al., 1993). This resulted in the

transgressive eastward onlap of the crystalline basement of the North American Craton and deposition of a continental terrace wedge. As a result, the crystalline basement beneath the CMV is overlain by younger Proterozoic sedimentary rocks. These thick continental margin deposits consist of Middle and Upper Proterozoic sedimentary and minor volcanic rocks (Norris and Norris, 1973). Wopmay Orogen Precambrian rocks were later deformed between 1.86-1.27 Ga (i.e., prior to intrusion of the Mackenzie dike swarm; LeCheminant and Heaman, 1989) by oblique folding and late-stage, dextral, strike-slip deformation, noted from splays of 75-125 km off the Great Slave Lake Shear Zone – believed to be the western extent of Archean crust from the Slave Craton.

To the extreme northeast of the CMV, Precambrian crystalline and metasedimentary rocks outcrop on the exposed Canadian Shield of the North American Craton (Figure 1.1). Precambrian basement is known from a few oil and gas exploration wells (n = 23; Burwash et al., 1993 and references therein) plus inferences made from geophysical survey data in the CMV (Hoffman, 1988; Cook et al., 1999; Aspler et al., 2003; Cook and Erdmer, 2005). Under the Phanerozoic strata lie igneous and metamorphic rocks from the Great Bear Magmatic Zone along the eastern edge of the CMV, the Hottah Terrane beneath the central part and the Fort Simpson Terrane in the west and southwestern areas. In the eastern Horn Plateau, Precambrian rocks occur at only 400 m depth (Burwash et al., 1993) and dip gently towards the west-southwest to depths of greater than two kilometres in the westernmost areas (Gal and Lariviere, 2004). Middle-Late Proterozoic sedimentary rocks and minor volcanic rocks overlie crystalline basement from drill holes within most parts of the CMV (Meijer Drees, 1975; Aitken, 1993).

1.4.2 Phanerozoic Geology

The CMV lies in a northern portion of the Phanerozoic Western Canadian Sedimentary Basin (WCSB), known as the Northwest Territories Interior Platform. This region contains nearly horizontal, mostly undeformed Phanerozoic sedimentary rocks which thicken from a few hundred metres in the eastern Horn Plateau, to well over two kilometres in the westernmost area near the Cordillera limit (Aitken, 1993). Generally, Phanerozoic strata thin eastward in the CMV and are disrupted by the underlying, irregular, west-dipping surface of the Precambrian basement from highs from episodes of uplift, erosion and subsidence (Dixon, 1999). Within this Phanerozoic wedge are four major unconformity-bounded (Early to Middle Cambrian, Late Cambrian to Middle Ordovician, Late Ordovician to Early Silurian and Devonian to Carboniferous) stratigraphic successions (Meijer Drees, 1975).

The development of the WCSB can be classified based on the provenance of clastic sediment preserved in the basin (e.g., Bally et al., 1966). First, from early Cambrian rifting, through the Late Jurassic, sediments were deposited on the subsiding, passive western margin of the ancient North American Craton. This resulted in the formation of miogeocline-platforms linked to continental rifting and a west-southwestward thickening passive continental margin wedge of shale, limestone, dolostone and evaporitic rocks (Stott et al., 1993; Patchett et al., 1999).

During the Late Silurian to Early Devonian, eustatic sea level rise linked to the open ocean to the northwest initiated a seaway which spread deeply and inundated the craton (Moore, 1993; Corlett and Jones, 2011a, b). The seaway expanded into a ramp and then reef-dominated shale basin with carbonate-evaporite marginal slopes forming near the passive western margin (Moore, 1993). The entire CMV region was a part of the Mackenzie Basin during the Early-Middle Devonian (Corlett and Jones, 2011a). The Devonian strata in this basin record a gradual sea level

rise beginning in the Early Devonian with evaporitic tidal flat conditions of the Chinchaga Formation (Fm); next, the Middle Devonian is marked by open marine strata of the Lonely Bay Fm; finally, ending in the Late Devonian are the deep-water pelagic shales of the Horn River Fm (Corlett and Jones, 2011a). Deposition of sediments into the Mackenzie Basin ramp during the Devonian was primarily from the Canadian Shield to the east-northeast (Corlett and Jones, 2011b).

The collision of the western continental margin during the latest Devonian and earliest Carboniferous resulted in sedimentation within narrow basins and troughs in the westernmost cratonic platform and along the continental margin (Moore, 1993; Richards et al., 1993). Following this, the cratonic platform was eroded and continental sedimentation occurred in only restricted marine environments during the Late Carboniferous to Triassic (Richards et al., 1993; Henderson et al., 1993; Gibson, 1993). Owing primarily to the lack of well intersections and preserved strata from outcrops, information is sparse on the Triassic successions in southwestern Northwest Territories. Nonetheless, at this time sediment was believed to still be transported from the craton towards the southwest within the CMV (Gibson, 1993).

During the Late Jurassic through to the Early Eocene, the CMV region was dominated by foreland basins, with the main source of sediments being from the west-southwest in the emerging Cordilleran mountain belt, as a result of the Columbian and Laramide orogenies (Monger and Price, 1979). As a result of the uplift and erosion of the Cordillera, a marine foreland trough with an eastward tapering wedge was created by deposition of sediments from the mountains. Aptian-Maastrichtian aged clastic sediments were typically deposited as relatively thin veneers, except where series of epi-orogenic arches, foredeep troughs and sub-basins developed, causing subsidence to, at times, be independent of that of the continental

margin (Stott et al., 1993). The retreat of the Late Cretaceous sea was accompanied by continental alluvial and fluvial deposition, which were subsequently eroded and glaciated.

In the extreme northeast of the CMV, near Lac la Martre, Cambrian to Middle Devonian strata sub-crops (Figure 1.1). In the northern Horn Plateau, Cambrian rocks overlie the Precambrian basement, except over the Bulmer Lake arch, where they were either eroded and/or not deposited. Elsewhere Cambrian sediments appear to have been largely removed (or were not deposited; Meijer Drees, 1993). Meanwhile, Ordovician and Silurian rocks still exist at depth in the northern part of the Horn Plateau, south to about 62 °N (Williams, 1985). South of 62 °N in the CMV, Late Devonian strata directly overlie the basement (Williams, 1985; Meijer Drees, 1993). Devonian strata sub-crop beneath Quaternary deposits or Cretaceous rocks throughout the CMV (Figure 1.1). On the Last Stop claims (in the easternmost Horn Plateau), Late Devonian Fort Simpson Fm shale sub-crops till to a depth of 51.5 m in one drill hole, while approximately four kilometres southeast, Middle Devonian Horn River Fm shales sub-crop till 61.0 m depth (Pitman, 2014). Other than a prominent series of low escarpments (i.e., outcrops) of generally weathered and frost-shattered Devonian limestone located in the southern Horn Plateau, the landscape is relatively monotonous (Craig, 1965).

Cretaceous strata are only preserved in the extreme northwest and in higher areas where they have not been removed by erosion in the Horn Plateau (e.g., Horn Plateau and Ebbutt Hills; Figure 1.1). On the Horn Plateau, flat-lying Albian marine shales and minor sandstones unconformably overlie Late Devonian strata (Craig, 1965; Meijer Drees, 1993; Dixon, 1999) with the Albian strata reaching ~ 60 m thick east of Willow Lake on the plateau and ~ 100 m thick near Ebbutt Hills (Dixon, 1999). Where present, Cretaceous rocks are largely covered by glacial till and organics, with few recorded outcrops in the CMV (Craig, 1965; Meijer Drees,

1993). South of ~ 61 °N, Late Aptian to Campanian strata (Fort St. John Group) are widespread (Figure 1.1). East and southeast of Trout Lake, a thin shale or silty to sandy bed of Cretaceous strata lies unconformably on Paleozoic rocks whereas to the southwest this unit is completely absent (Dixon, 1999). South of Trout Lake Cretaceous rocks lies unconformably on top of, from north to south, Devonian and Carboniferous strata (Stott et al., 1993). Cenomanian-Turonian aged marine shales are only preserved in the eastern Trout Lake, with only Early-Middle Cenomanian regressive sandstone beds (Dunvegan Formation) found capping some hills to the northwest and southeast of Trout Lake (Figure 1.1; Dixon, 1999). Appropriately, most Mesozoic rocks in the CMV region are largely covered by glacial till and organics with few recorded outcrops.

1.4.3 Structural Geology

In the CMV, north of the Mackenzie River, between two major northeast-trending Precambrian lineaments lie Middle Proterozoic mud- and sand-stones unconformably on top of Upper Proterozoic plutonic, volcanic and sedimentary rocks (Meijer Drees, 1975; Aitken and Pugh, 1984). The southern lineament appears to have formed from the influence of a northeast-trending transform fault that either formed or was reactivated during the Proterozoic-Cambrian rifting event (Burwash et al., 1993). Particularly between the Mackenzie River and 60°N latitude, a dominant set of northeast trending faults that bound graben-like features of Proterozoic age are noted from regional seismic transects (MacLean and Cook, 2003) with many showing signs of later reactivation as reverse faults from Late Proterozoic to Late Devonian time (Aitken 1993; Gal and Lariviere 2004 and references therein). A subsidiary set of northeast-trending faults also exists and was likely reactivated during the Laramide Orogeny with many faults, particularly south of the Mackenzie River crosscutting the Precambrian basement (Morrow et al., 2002).

Trending towards the north-northwest between 120-122° W through the Horn Plateau region is the Bulmer Lake gravity high (Figure 1.1). This southerly-trending gravity high coincides with westward-dipping Middle Proterozoic strata near the western edge of the Hottah Terrane (Hornal et al., 1970; Meijer Drees, 1975). This gravity high is believed to have been emergent or at least relatively elevated from the Late Proterozoic through the Middle Ordovician and influenced the deposition of Early Paleozoic sediments (Aitken, 1993; Burwash et al., 1993). The correlation of the eastern extent of the Bulmer Lake gravity high with the Fort Simpson and Hottah terranes suggests it is a buried suture between the Wopmay Orogen and the Fort Simpson Terrane to the west (Hoffman, 1987, 1988). To the east of this arch, Cambrian strata lie directly on a gneissic basement, believed to be the extension of the Hottah Terrane (Burwash et al., 1993). Meanwhile, in the Trout Lake area is another Late Proterozoic regional gravity anomaly, the Tathlina High; this structural high was significant in the Devonian and controlled deposition patterns during this time (Aiken, 1993).

1.4.4 Surficial Geology

The CMV is almost entirely covered with a relatively thick mantle of glacial and post-glacial deposits (Figure 1.3). The most common glacial landforms within the area include ground and end moraines, as well as drumlinoids (Rutter et al., 1993; Fulton, 1995; Huntley et al., 2006, 2008). Morainal tills blanket most of the Horn Plateau and are locally ridged or hummocky, while colluvial deposits and local undifferentiated bare rock outcrops are found along the southern escarpment of the Horn Plateau (Rutter et al., 1993; Fulton, 1995). To the north and northwest of the Horn Plateau, alluvial gravel and sand occupy floodplains and terraces along streams (Rutter et al., 1993). South of the plateau, organic (fen and bog) deposits overlie a massive till plain (Figure 1.3; Rutter et al., 1993; Fulton, 1995). In the Mackenzie, Liard,

Willowlake and other river valleys, fine-grained organic, eolian, glacio-fluvial and -lacustrine deposits blanket till, older deposits and bedrock below 220 m elevation (Figure 1.3; Huntley et al., 2006, 2008). North of the Horn Plateau, glacial deposits are up to 81 m thick (Cragie, 1991), while in the Fort Simpson area the maximum thickness is 120 m (Ghaznavi et al., 1986). In the western and eastern parts of the CMV on the Liard and Last Stop claims of Olivut Resources, below glaciofluvial outwash, till is between 10-60 m thick (Pitman, 2014). In contrast, thinner unconsolidated Quaternary deposits (10-20 m) typically exist throughout the lowlands and major river valleys in the Horn Plateau, as well as most of the Trout Lake (Rutter et al., 1993; Huntley et al., 2006, 2008).

Highlights of the CMV Quaternary history include intervals of continental glaciation involving complex frontal retreat and ice stagnation, glacial lake formation and meltwater drainage (Huntley et al., 2006, 2008). At the last glacial maximum (ca. 18 ka), the entire CMV was completely covered by the Laurentide Ice Sheet with a thickness > 1000 m, implied by the appearance of granitic erratic boulders, up to 1500 m elevation to the west of the CMV (Huntley et al., 2008). The advance of this continental ice-sheet resulted in the erosion, transport, dispersal and deposition of bedrock and pre-existing sediment within the CMV. The highlands of Ebutt and Martin Hills and the Horn Plateau are believed to have slightly deflected the regional advance of the ice-sheet (Rutter et al., 1993; Fulton, 1995). To date, the only ice-flow features reported on top of the Horn Plateau are small drumlinoid features on the northeast edge of the plateau (Craig, 1965), which mark the youngest ice-flow direction trending west-southwest (255 °; Grexton, 1995). North and south of the plateau regional ice-flow was towards the west, while in the west near Martin Hills, it was deflected northwesterly and southwesterly around it (Figure 1.3; Fulton, 1995). Throughout the Trout Lake area, a south to southwest directed ice-flow is

consistently preserved by drumlins and fluting (Douglas, 1959; Fulton, 1995; Huntley et al., 2008).

The subsequent retreat of the ice-sheet broadly re-ordered the drainage systems across the CMV. Between 17-14 ka, the ice-margin on the Horn Plateau retreated towards the east, forming melt-water channels that eventually drained towards the west into an enlarged glacial Bulmer Lake (Huntley et al., 2006). After completely retreating from the Horn Plateau, the ice-margin continued to retreat (12-10 ka) in the Horn Plateau, creating even more meltwater channels with glaciofluvial deltas parallel to them (Huntley et al., 2006). Around the same time (ca. 12 ka), the ice-margin in the Trout Lake began retreating towards the north-northeast (Bednarski, 2008). This resulted in the formation of ice-marginal glacial lakes, meltwater channels and eskers that drained water and sediment towards the southwest into glacial Lake Liard (Bednarski, 2008). Further retreat of the ice-margin before 11 ka created a drainage system towards the north into the CMV (i.e. glacial Lake Mackenzie (Bednarski, 2008). The rapid retreat of the LIS between 11-10 ka, migrated the location of the glacial lakes and subsequent meltwater channels towards the east up the valley near Mills Lake (Lemmen et al., 1994; Duk-Rodkin and Lemmen, 2000; Huntley et al., 2006). After ice retreat and final glacial lake drainage, modern fluvial drainage patterns were established, with post-glacial streams draining runoff and sediment radially from the Horn Plateau, Ebutt and Martin Hills into the Mackenzie, Liard and Willowlake river valleys (Duk-Rodkin and Hughes, 1994; Huntley et al., 2006). These major river valleys occupy previously established meltwater channels of the major glacial lakes (Bulmer, Mackenzie, McConnell; Craig, 1965; Huntley et al., 2006).

Our understanding of the CMV Quaternary history is further hampered by the nature of the cap bedrock. The soft, primarily Cretaceous and Devonian sedimentary rocks and pre-existing glacial

deposits were prone to intense erosion, glacial deformation and ice-thrusting (e.g., Paulen, 2009). As a result, most landforms and other evidence of earlier ice-flows were largely obliterated. Those that remained were extensively eroded, transported and re-deposited by colluvial, fluvial, lacustrine and aeolian processes during and following ice retreat. Other potential complexities in understanding the glacial transport and dispersal distance of KIMs in the CMV include palimpsest landscapes (Parent et al., 1996; Paulen, 2013), ice streams (Stokes and Clark, 2003; Stokes et al., 2013; Margold et al., 2015) and regional subglacial meltwater storage and drainage events (Rampton, 2000; Christoffersen et al., 2008). Collectively, these many factors result in a complex and incomplete Quaternary history for the CMV.

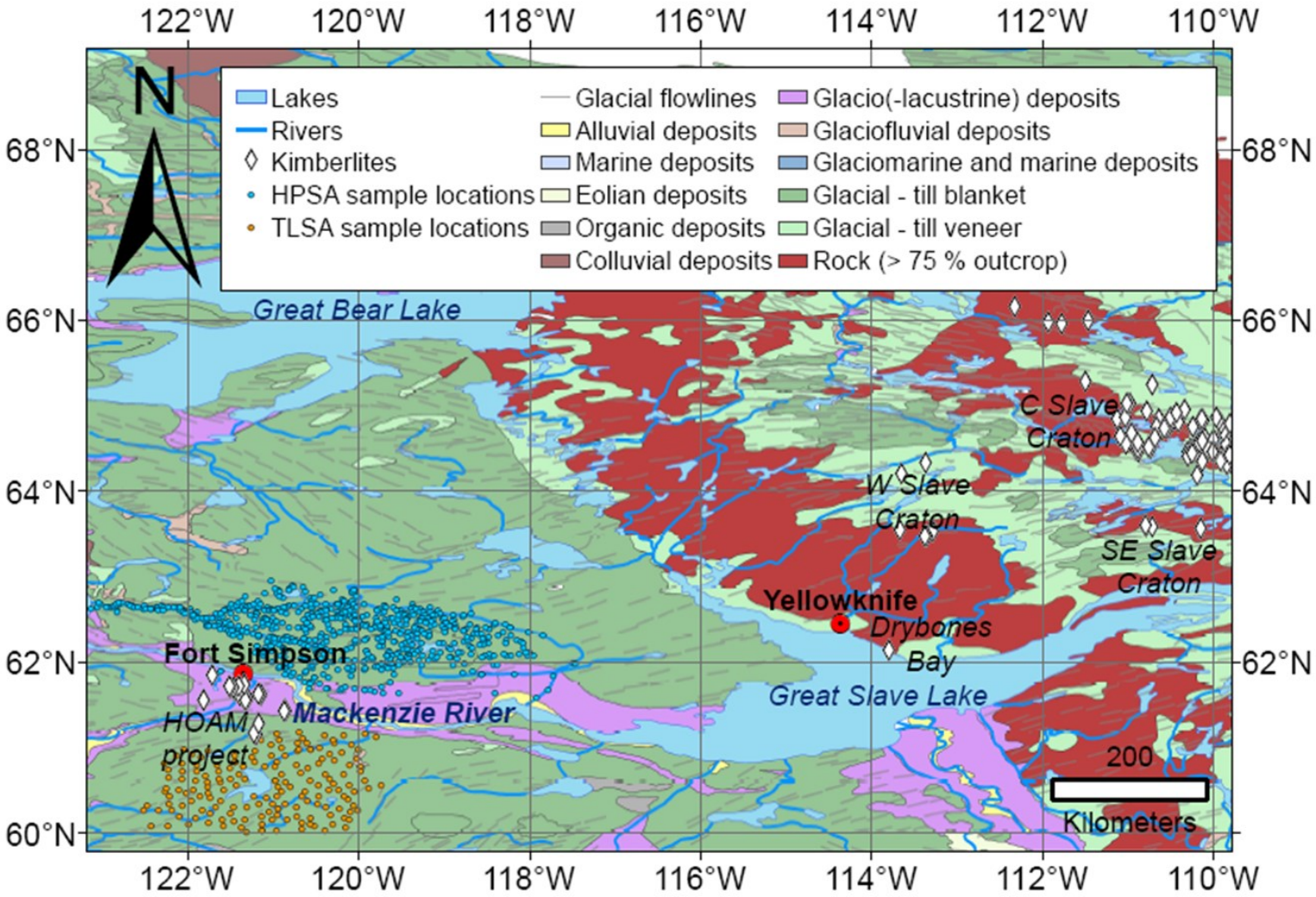

Figure 1.3 Surficial geology map of Northwest Territories showing the Central Mackenzie Valley (CMV) sample locations for both study areas. HPSA = Horn Plateau study area, TLSA = Trout Lake study area. Diamonds = kimberlites. See legend for the rest of symbology. Surficial deposits and glacial flowlines after Fulton (1995).

1.5 Sampling Locations and Methods

Due to the inaccessible and relatively poorly-drained nature of the Horn Plateau, modern stream sediment samples were chosen as the media for assessing mineral potential of this relatively well-defined catchment area (Day et al., 2007). Alternatively, the decision to choose till sampling over bulk stream sediment as the most effective sample medium for the Trout Lake (Pronk, 2008) was made based on the topography (overall terrain and lack of gradient) and accessibility (Prior et al., 2008) following proper Mineral Resource Assessment guidelines and National Geochemical Reconnaissance protocols (Plouffe et al., 2006; Paulen, 2009). The following procedures for collection of stream sediment and till samples, processing of heavy mineral concentrates and picking of kimberlite indicator mineral (KIM) grains from fractions are described in more detail elsewhere (Day et al., 2007; Huntley et al., 2006, 2008; Mills, 2008; Pronk, 2008; Watson, 2010). All sample descriptions and locations for the Horn Plateau (after Day et al. 2007; Mills 2008) and Trout Lake (after Pronk 2008; Watson 2010) regions can be found in Appendix, Tables A.1-A.3.

1.5.1 Sample Collection

In 2003 and 2005, a total of 325 heavy mineral concentrate large (typically 10-20 kg) stream sediment samples (~ 50 km^2 spacing) were collected in the Horn Plateau region by the Geological Survey of Canada (GSC; Day et al., 2007). The samples were collected from ideal locations, at the upstream points of mid-channel bars or behind mid-stream boulders at a single point, where possible (Prior et al., 2008). The collected samples were wet-sieved through a 12-mesh stainless steel sieve into a 5-gallon plastic pail lined with a heavy-duty plastic bag until a sample weight of 10-15 kg was attained (Day et al., 2007). GSC and Northwest Territories Geological Survey (NTGS) personnel followed this up in 2006 with the collection of 25 till

samples weighing only 2-10 kg in the Horn Plateau region (Mills, 2008). Meanwhile, 166 reconnaissance-scale till samples weighing ~ 10 kg each (~ 100 km^2 spacing) were collected from the Trout Lake region by the NTGS in 2008 (Watson, 2010).

1.5.2 Sample Processing

All CMV samples were submitted to Overburden Drilling Management Ltd., Nepean, ON, where a characteristic 500 g sample was made. The other portion of samples were disaggregated and screened at 2 mm; the < 2 mm fractions were density pre-concentrated using a shaker table, followed by heavy liquid separation in diluted methylene iodide (specific gravity of 3.2) to collect heavy mineral concentrates. The concentrates were ferromagnetically separated, cleaned with oxalic acid (removes limonite stains) and dried; non-ferromagnetic heavy mineral concentrates were sieved into several separate size fractions (0.25-0.50 mm, 0.5-1.0 mm and 1.0-2.0 mm size fractions) for KIM picking. The 0.25-0.5 mm fraction was sorted with a Carpco drum magnetic separator.

1.5.3 Kimberlite Indicator Mineral Picking

KIMs were visually identified and hand-picked from each of three size fractions (0.25-0.5 mm, 0.5-1.0 mm, 1.0-2.0 mm). The 0.25-0.5 mm fraction was further characterized by a 100-grain count. Fractions > 100 g were split and normalized to represent the total sample weight.

Following removal of the KIMs, grains were randomly selected from each 0.25-0.5 mm fraction and identified, before they were recombined with their sample fraction. From both areas, individual KIM grains from each of the three size fractions were picked under a binocular microscope, classified, counted and sometimes checked, for identification purposes, by scanning electron microscope or microprobe by Overburden Drilling Management Ltd.

In total, 3665 (Horn Plateau) and 656 (Trout Lake) potential KIM grains were picked from the 0.25-2.0 mm size fractions and made into grain mounts. The Horn Plateau KIM inventory comprises peridotitic garnet (51 %), ilmenite (30 %), chromite (10 %), Cr-diopside (4 %), olivine (3 %), low-Cr (< 1 wt% Cr_2O_3) garnet (< 1 %) and rutile (< 1 %). The Trout Lake KIM inventory comprises rutile (45 %), peridotitic garnet (23 %), Cr-diopside (16 %), ilmenite (7 %), chromite (6 %), olivine (2 %) and low-Cr garnet (< 1 %). Sample descriptions, location, collection, heavy mineral concentrate processing and indicator mineral picking details are detailed elsewhere for the Horn Plateau (Day et al., 2007; Mills, 2008) and Trout Lake regions (Watson, 2010).

1.6 Thesis Layout and Research Objectives

The main body of this thesis is laid out in two chapters. A shortened version of Chapters 2 and 3 has already been submitted for publication in the Proceedings of the 11th International Kimberlite Conference hosted by *Mineralogy and Petrology*. KIM chemistry of grains from these regions will be used to assess their diamond potential and improving our understanding of potential kimberlite sources.

Chapter 2: Major, minor and trace element chemistry, thermobarometry and statistical analysis of previously collected CMV KIMs; this was conducted to determine the thickness of the lithosphere, examining the potential for diamond-bearing kimberlitic source(s), as well as estimating the location of potential kimberlitic source(s) for these KIMs.

Chapter 3: U-Pb and Hf isotopic compositions for oxide KIMs recovered from the CMV and development of Hf mantle evolution curve defined by worldwide kimberlitic ilmenites; this was

undertaken to constrain the approximate emplacement (or eruption) age of the source kimberlite(s) of CMV grains and provide insight on the viability of Hf isotopic compositions of kimberlitic ilmenites as a reliable constraint of the host kimberlite emplacement age.

Chapter 4: A brief summary of the thesis, conclusions and future work of research are detailed in this final chapter.

Chapter 2: Diamond indicator mineral geochemistry from the Horn Plateau and Trout Lake regions, Central Mackenzie Valley, Northwest Territories

2.1 Introduction

Although the Central Mackenzie Valley (CMV) is not a traditional Archean "cratonic" setting in terms of its crustal geology – a widely accepted pre-requisite for diamondiferous kimberlites (Janse, 1994) – discoveries of primary diamond occurrences in North America have been made in similar settings (e.g., Buffalo Head Hills, AB; Fort à la Corne, SK). The Lithoprobe Slave-Northern Cordillera Lithospheric Evolution (SNORCLE) transect line 1 (e.g., Cook et al., 1999; Cook and Erdmer, 2005) and more recent regional-scale surface-wave seismic tomography studies (e.g., Priestley and McKenzie, 2006; Schaeffer and Lebedev, 2014) indicate the likely presence of thick (~ 200 km), cold lithospheric mantle extending into the diamond stability field underpinning an area of several hundreds of square kilometres within the CMV (Figure 1.1). Improving our knowledge of the extent and nature of the cratonic mantle underlying the CMV, NT and its thermal history will have important implications for future diamond exploration in the area. This collaborative research project between the NTGS and the University of Alberta examines a large collection of KIMs previously collected from surficial deposits from the two regions within the CMV, with a view to assessing the diamond potential and location of their kimberlitic source(s).

2.2 Samples

2.2.1 Horn Plateau

In total, 3744 supposed KIM grains from the 0.25-2.0 mm size fractions were visually-identified and hand-picked prior to being shipped to Overburden Drilling Ltd. where they were set into epoxy to create 24 polished grain mounts. From these KIMs, 3153 Horn Plateau grains were analyzed for major and minor element concentrations (Day et al., 2007); these grain mounts were provided by the NTGS for this research project. An additional 61 KIM grains, exclusively from the fine fraction (0.25-0.5 mm), were recovered from 25 small (2-10 kg) reconnaissance surficial samples collected in 2006 from the Horn Plateau (Huntley et al., 2006; Mills, 2008). Although the KIM grains from these surficial samples ('SampleID' = 'DDH2006-…') were not provided for this research project, the previously obtained geochemical results (Mills, 2008) are relevant; they were used for the analysis of the diamond potential of the Horn Plateau area.

The Horn Plateau KIM inventory comprises peridotitic garnet (51 %), ilmenite (30 %), chromite (10 %), Cr-diopside (4 %), olivine (3 %), low-Cr (< 1 wt% Cr_2O_3) garnet (< 1 %) and rutile (< 1 %). In addition, one macrodiamond was recovered from the 0.5-1.0 mm size fraction of the alluvial gravel Horn Plateau sample 95H-2005-2016. The stream sediment and till samples collected from the Horn Plateau are discussed in more detail by Day et al. (2007) and Mills (2008), respectively.

2.2.2 Trout Lake

In total, 656 Trout Lake supposed KIM grains were picked under binocular microscope from fractions from the Trout Lake till samples donated by the NTGS. KIM grains from these samples

were classified, counted and mounted into grain mounts at the University of Alberta. The Trout Lake KIM inventory comprises rutile (45 %), peridotitic garnet (23 %), Cr-diopside (16 %), ilmenite (7 %), chromite (6 %), olivine (2 %) and low-Cr garnet (< 1 %). The till samples collected from the Trout Lake are discussed in more detail by Watson (2010).

2.2.3 External database sources

A database of KIM chemistry, primarily of peridotitic garnet due to the greater abundance and availability of electron microprobe major element data of peridotitic garnet, caused by historical bias from diamond exploration and research, was used for comparison in this study. KIM chemistry for the Southwestern (Drybones Bay), Western (Aquila, Cross, Orion, Ursa), Southeastern (Snap Lake) and Central (Lac de Gras) Slave Craton kimberlites were used for comparison (Schulze et al., 1995; Carbno, 2000; Kerr et al., 2000; Carbno and Canil, 2002; Creaser et al., 2004; Griffin et al., 2004; Menzies et al., 2004; Aulbach et al., 2007, 2011; Roeder and Schulze, 2008; Creighton, 2009; Creighton et al., 2010; Bussweiler et al., 2015). The geochemical database has major element data as oxides (SiO_2, TiO_2, Al_2O_3, Cr_2O_3, FeO, MnO, MgO, CaO) as well as some trace element concentrations (e.g., Ni, Y, Zr, REEs for peridotitic garnet). In addition, a newly filtered (October 2017) NTGS GoData KIMC database was used to evaluate KIM chemistry from Central and Western Slave Craton surficial samples.

2.3 Methods

2.3.1 Electron microprobe

The Horn Plateau KIMs, in polished grain mounts, were analyzed previously at the Geological Survey of Canada (GSC) microprobe lab in Ottawa, ON, in 2003 and 2005 (Day et al., 2007).

The quantitative electron probe microanalysis (EPMA) of these grains was acquired on a CAMECA SX-50 microprobe fitted with 4 wavelength-dispersive spectrometers. These compositional analyses of 12 elements were acquired using a 40° takeoff angle, a 20kV accelerating voltage, a 10nA current beam energy and a fully focused beam. Count times were 10 s on-peak and 5 s off-peak, for a total analysis time per grain of ~ 60 s. The count time settings selected for these grains resulted in data precise to one decimal place. Standards used were a mixture of natural and synthetic pure metals, simple oxides and simple compounds (for more details see Day et al., 2007; Mills, 2008). Data reduction was accomplished with a ZAF matrix correction (Armstrong, 1988) using Probe For Windows software (Donovan et al., 2007).

Major-element analyses of Trout Lake KIM grain mounts were performed at the University of Alberta using a CAMECA SX100 electron microprobe and a JEOL 8900R electron microprobe, both fitted with 5 wavelength-dispersive spectrometers. Wavelength dispersive spectroscopy (WDS) was employed at a 40° takeoff angle, operating at a 20 kV accelerating voltage, a 20 nA probe current and a 0-3 μm beam diameter.

For clinopyroxene, garnet, olivine and spinel analyses, elements were acquired using LIFH (for Fe, Mn, Ni), PETH (for Ca, K, P), PET (for Cr, Ti, V) and TAP (for Na, Mg, Si, Al) crystals. Counting times were 30 s for Ti (Kα), Si (Kα), K (Kα), Fe (Kα), Cr (Kα), Mg (Kα), Ca (Kα), Al (Kα), Mn (Kα), P (Kα), Ni (Kα), V (Kα) and 60 s for Na (Kα). For ilmenite and rutile analyses, elements were acquired using LLIF (for Fe, Mn, Zn), PET (for Ti, Cr, Ca, V), LPET (for Zr, Nb), PET (for Ti, Cr, Ca, V), LPET (for Zr, Nb) and LTAP (for Al, Si, Mg) crystal setup and count times of 30 s for Mg (Kα), Ti (Kα), Fe (Kα), Al (Kα), Mn (Kα), Si (Kα), Zn (Kα) and 50 s for Zr (lα), Ca (Kα), Nb (lα), V (Kα) and Cr (Kα).

The standards used for calibration depended on the analyzed mineral of interest: $(Mg,Fe)_2SiO_4$ forsterite 90.5 and 93 (for Si, Mg), $CaMgSi_2O_6$ Wakefield diopside (for Si, Mg, Ca), TiO_2 Rutile MTI (for Ti), $(Fe,Mn,Mg)TiO_3$ Miass ilmenite (for Ti, Fe), $(Mg,Fe)_3Al_2(SiO_4)_3$ Frank Smith pyrope garnet (for Al), Cr_2O_3 chromium oxide Alfa (for Cr), V vanadium Alfa (for V), $(Fe,Mn,Mg,Ca)_3(Al,Fe)_2Si_3O_{12}$ Gore garnet (for Fe), $(Mn,Fe)_3Al_2Si_3O_{12}$ Navegadora Mine spessartine of $MnSiO_3$ rhodonite (for Mn), Ni nickel Alfa (for Ni), $NaAlSi_3O_8$ Virginia albite (for Na), $KAlSi_3O_8$ Itrongay sanidine (for K), $Ca_5(PO_4)_3F$ Wilberforce apatite (for P), Nb niobium Alfa (for Nb), Zn_2SiO_4 willemite (for Zn) and ZrO_2:Y cubic zirconia (for Zr). Interference corrections were applied to Nb for interference by Mn, to Cr for interference by V, to Mn for interference by Cr and to V for interference by Ti following techniques outlined in Donovan et al. (1992). Data reduction was performed using a Φ(rZ) correction (CITZAF; Armstrong, 1988) on Probe For Windows software (Donovan et al., 2007), along-side lower limit of detection filters following the method of Potts (1992).

A blanket limit of detection (LOD) of 0.01 wt% was applied to all EPMA data, based on calculated detection limits at the 99 % confidence interval from this research. FeO is reported as FeO_{Total} and Fe_2O_3 was recalculated where necessary. Any microprobe data containing a value of "bdl" indicates a value below detection limit; "nd" indicates that the listed variable was not determined for the grain (Appendix, Tables B.1-B.6).

2.3.2 Trace-element determination

Trace-element concentrations were determined for 962 peridotitic garnet and 65 peridotitic olivine grains from the two areas by in situ sector-field laser ablation inductively coupled mass spectrometry (LA-ICP-MS). These analyses were completed in the Arctic Resources Laboratory at the University of Alberta, using a Resonetics Resolution LR50 193nm laser coupled to a

second-generation sector-field Element 2XR ICP-MS. For all analyses, the mass spectrometer was operated in low mass resolution mode (M/ΔM=ca. 300) with a power setting of ~ 1300 W and a torch depth of ~ 3.6 mm. Garnet grains were ablated using 90 μm craters, while a 130 μm spot size was used for olivine. Both mineral analyses were ablated using a 10 Hz repetition with the laser energy at the target (fluence) regulated at ~ 4 J/cm^2. Argon and helium gas flow, torch position and focusing potentials were adjusted daily, to achieve optimal signals for Co, La and Th and low oxide production rates (ThO/Th < 0.5 %). Sample aerosol transport to the ICP-MS occurred via a He cell gas flow (600-1000 mL/min), which was subsequently mixed with N_2 (≤ 2 mL/min) and Ar (~ 0.8 mL/min) prior to entering the ICP-MS torch.

Data for both mineral analyses were acquired using the rapid peak-hopping multichannel mode of the ICP-MS for an analysis comprised of 30 s of background gas collection followed by an ablation period (40 s for garnet, 60 s for olivine) and then 40 s further delay prior to the next analysis. All data were reduced offline using Iolite v3.32 software (Woodhead et al., 2007; Paton et al., 2011). Concentrations were calculated with reference to the NIST SRM 612 glass standard in conjunction with internal standardization; garnet trace element concentrations are normalized to ^{43}Ca, while olivine trace element concentrations are normalized to ^{29}Si.

The following natural, matrix-matched in-house reference materials were used as secondary standards to assess repeatability and accuracy of LA-ICP-MS sessions: the PHN3571 megacryst garnet for garnet analyses and the San Carlos olivine (SC-GB) for olivine analyses. Analytes included Ti, Ni, Sr, Y, Zr, Nb, Ba, Hf, and rare earth elements (REEs) for garnet analyses and Li, Na, Al, P, Ca, Sc, Ti, V, Cr, Mn, Co, Ni, Cu, Zn, Ga, Sr, Y, Zr, Nb and Ce for olivine analyses. For our analytical runs, with the exception of Ti, Ba and Hf, the mean values of all analytes in our secondary standard (PHN3571 and SC-GB) fall within ± 2 standard deviation (SD) of the

mean reference values (Appendix, Tables C.1 and C.3). Further refinement of all LA-ICP-MS data was conducted prior to use, ensuring limits-of-detection (LOD) were met, as well as limits-of-quantification (LOQ) for select elements (e.g., Ni-in-garnet, Al-in-olivine; Figure 2.1). All trace element data are in ppm, reported as 'bdl' if below detection limit (Appendix, Tables C.1-C.4). LOD for all analyses are approximately 0.001 ppm for Y, Nb, Ba and REEs, 0.007 ppm for Ti, V, Ga, Sr, Zr and Hf, 0.015 ppm for Li, Al, P, K, Sc, Cr, Mn, Co, Ni, Cu and Zn and 0.1 ppm for Na, Ca and Fe.

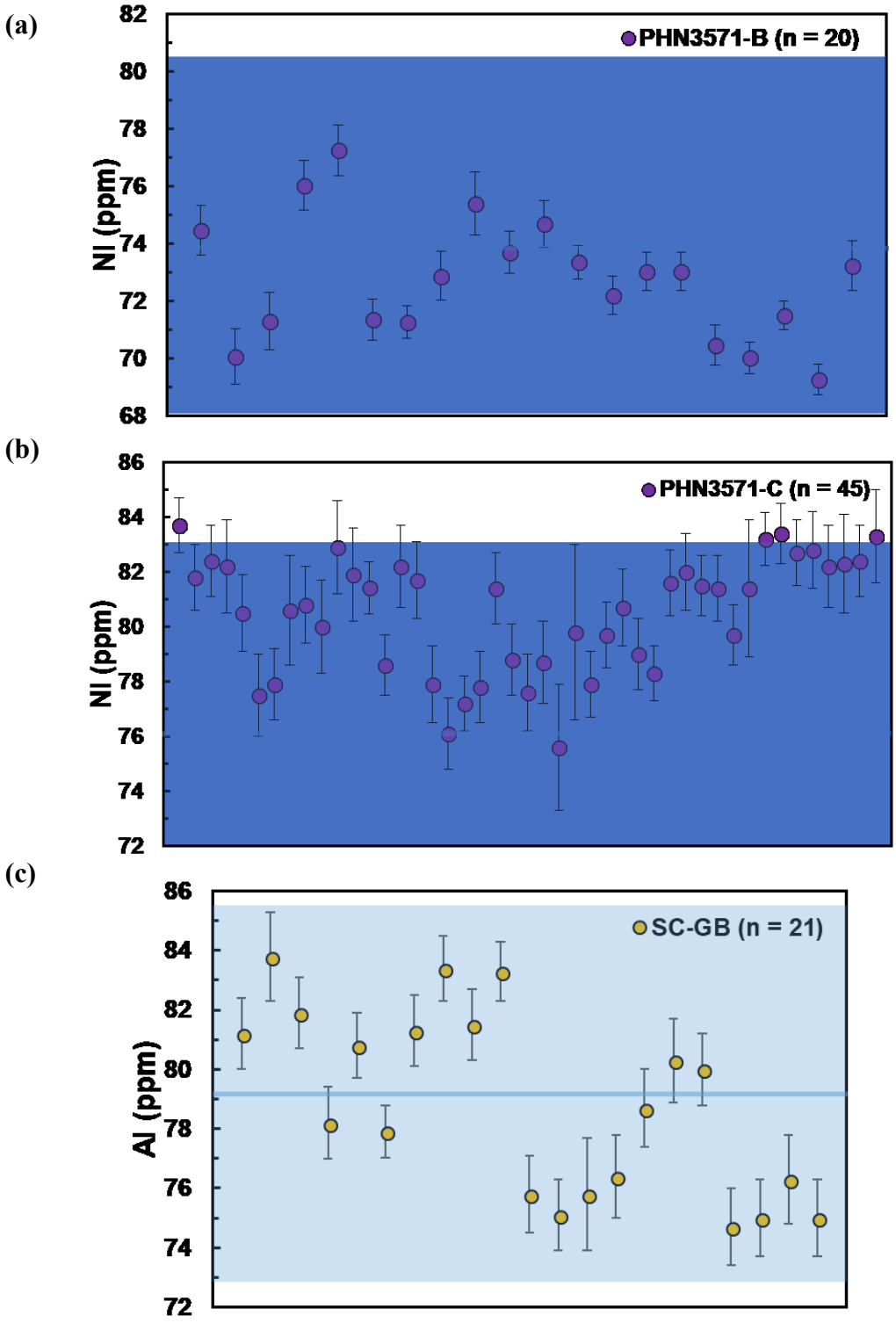

Figure 2.1 Ni concentrations for natural garnet megacryst PHN3571-B **(a)** and -C **(b)** secondary standard from garnet LA-ICP-MS individual daily runs. **(b)** Al concentrations for San Carlos olivine (SC-GB) secondary standard from olivine LA-ICP-MS individual daily runs. Error bars are the 2σ internal std. error. The blue lines are the reference value, while the blue box is the 2σ std. dev.

2.3.3 Diamond analytical techniques

The macrodiamond discovered in a Horn Plateau stream sediment sample was examined by binocular microscope and then cut in half at the Arctic Resources Laboratory using a 193 nm excimer Resonetics laser. The split diamond was then further characterized using optical microscopy and Fourier transform infrared (FTIR) spectroscopy to understand its nitrogen aggregation state. Secondary electron (SE) and backscattered electron (BSE) images of both portions of the diamond were acquired by a scanning electron microscope (SEM) at the University of Alberta. These images were used to examine microtopography (SE) and compositional variation (BSE) of surficial features found on the diamond.

2.3.4 Thermobarometry techniques

Thermobarometry was performed using the single grain clinopyroxene geothermobarometer of Nimis and Taylor (2000). P-T calculations were made using the PTEXL program developed by Thomas Köhler and updated by Thomas Stachel. Only grains proven to be stoichiometric and passing compositional screens (defined by Ramsay and Tompkins, 1994; Grütter, 2009) were used to generate paleo-geotherms for each of the two regions (using FITPLOT; Mather et al., 2011). Applying further P-T screens developed by Ziberna et al. (2016) had no effect on the overall P-T distribution, although, as expected it diminished the number of samples. As such, their compositional screens were ignored. Paleo-geotherms from filtered Cr-diopside P-T results were re-constructed with FITPLOT software (Mather et al., 2011) with the assumption that all KIM grains were sampled penecontemporaneously from their mantle sources. Constraints on the upper and lower crust thicknesses for each region, a required input into the FITPLOT software, were estimated from the SNORCLE line 1 geophysical study (Cook et al., 1999; Fernandez-Viejo et al., 2005) which transverses the two areas (see Appendix, Table D.1 for parameters for

geotherm re-construction). A mantle potential temperature of 1300 °C was assumed for all geotherms with an increase or decrease of 25 °C having no net effect on results.

Ni-in-garnet temperatures were used to constrain the temperature of last equilibration of garnet xenocrysts sampled from both CMV regions. The temperatures were calculated by the exchange of Ni between garnet and olivine, assuming a typical mantle olivine Ni content (Griffin et al, 1989; Canil, 1999). A median mantle Ni-in-olivine value of 3000 ppm (e.g., 2900 ± 720 ppm (2σ); Griffin and Ryan, 1995) was assumed for both thermometer calculations. A median Ni value of 2966 ± 696 ppm (2σ) for all CMV peridotitic olivine grains analyzed for trace elements suggests this is a good estimation (see Appendix, Tables D.1-D.2). The mean of the Ni-in-garnet geothermometers of Griffin et al. (1989) and Canil (1999) was used. The two geothermometers have been shown to generally agree within error between 900-1150 °C but deviate significantly in opposite directions outside this temperature range (Ryan et al., 1996); the empirically calibrated version (Griffin et al., 1989) overestimates at high temperatures, while the experimentally calibrated version (Canil, 1999) underestimates at high temperatures. The mean of these two thermometers is considered a best practice (e.g., Lazarov et al., 2009; Shu et al., 2013).

The pressure of origin for peridotitic garnet can be deduced. Cr-in-garnet increases with increasing pressure, if the peridotitic garnet grain is in equilibrium with chromite. The most Cr-rich grains indicate the highest possible pressure with a line connecting these most Cr-rich grains termed Cr_{max} (Figure 2.4). Cr_{max} allows assignment of a maximum pressure, if in equilibrium with chromite or a minimum maximum pressure if not in equilibrium with chromite. The Ni-in-garnet temperatures were extrapolated (if possible) to the reference clinopyroxene-based geotherms produced using FITPLOT.

The experimentally calibrated Al-in-olivine thermometer for garnet peridotites (Bussweiler et al., 2017) was used to evaluate whether any different mantle sampling information is captured by olivine versus garnet. Similar to garnet temperatures, the Al-in-olivine temperatures were calculated using an updated version of PTEXL and projected, if possible to their respective clinopyroxene-derived geotherm to constrain pressure/depth.

2.3.5 Statistical techniques

Peridotitic garnet chemistry from Slave Craton kimberlites and the Horn Plateau populations overlap in many existing bivariate discrimination methods (e.g., Grütter et al., 2004). To investigate these populations statistically, we recast major element data as log-normalized elemental ratios of cation data for the major elements Ti, Al, Cr, Fe, Mn, Mg and Ca. Each element, as cation values, is divided by Si cations (e.g., ln(Ti/Si)). The natural logarithm permits elemental values to be expanded past the limited range created by the unit-sum constraint of geochemical data, shifts distributions closer to normality (Hardman et al., 2018) and helps alleviate concerns with closure in geochemical data (Aitchison, 1994).

Peridotitic garnet chemistry populations from Horn Plateau and Slave Craton kimberlites and surficial samples were tested for normality via the Kolmogorov-Smirnov (K-S), Anderson-Darling (A-D) and Shapiro-Wilks (S-W) tests. Each test compares in its own way the sample distribution to a normal one, they all aim to ascertain whether data do or do not show a significant deviation from normality. The main advantages of the K-S normality test are its applicability to smaller samples and sensitivity to the shape of a distribution, as it can detect differences anywhere along the scale (Darling, 1957). However, the K-S test has several important limitations: (1) it only applies to continuous distributions, (2) it tends to be more sensitive near the centre of the distribution than at the tails and most importantly (3) the

distribution must be fully specified (i.e., no gaps/ties). To provide robust statistics for the tails of the distributions, the A-D normality test - a modification of the K-S test that gives more weight to the tails - was also used to test if samples from each population come from a normal distribution (Anderson and Darling, 1954). Finally, the S-W normality test was used, which is the most powerful normality test due to it not being affected by gaps/ties in distributions.

All three normality tests are expressed quantitatively by a p-value, which is based on the distance between distributions at each unit of the scale. Tests which produce a p-value ≤ 0.05 allows rejection of the null hypothesis (i.e., that the sample distribution is not normal). This failure allows you to state with 95 % confidence that the data does not fit a normal distribution. Determining if a distribution (population of data) is normal (i.e., the normality of data) is important for any parametric statistical technique, such as linear discriminant analysis (LDA). However, one disadvantage of these normality tests is they only use one variable per test, i.e., major element natural logarithm cation combinations.

As the distributions of the Horn Plateau and Slave Craton peridotitic garnet populations are non-normal for most variables (see Appendix, Table E.2), logistic regression (LR) was selected as a method for comparison of Horn Plateau data with peridotitic garnet chemistry from Slave Craton kimberlites and surficial samples. This non-parametric supervised statistical technique linearly transforms data, reduces dimensionality, maximizes the variance of multivariate datasets and makes no underlying assumptions about distribution or normality (Pohar et al., 2004). The LR solutions are derived using the freeware statistics package R using the following log-normalized variables (see Appendix, Table E.1 for run-stream): ln(Ti/Si), ln(Al/Si), ln(Cr/Si), ln(Fe/Si), ln(Mn/Si), ln(Mg/Si), ln(Ca/Si). LR solutions are derived for pairs of populations (e.g., the Horn Plateau and Central Slave Craton), which results in a linear equation that assigns a numerical

value to all data (Appendix, Table E.2). A density distribution of garnets in the populations based on these values is assessed for degree of separation or overlap between different groups.

Mineral major element chemistry overlap represents obstacles for complete sample classification. As such, no single statistical method is able to speak to all datasets. Nonetheless, additional information is typically drawn from applying these techniques to large KIM datasets, thus, leading to more robust diamond exploration conclusions.

2.4 Results

2.4.1 Major and minor element chemistry

2.4.1.1 Clinopyroxene

Cr-bearing, green to bright green clinopyroxenes are easily identifiable in heavy mineral concentrates making them effective KIMs. However, clinopyroxene with characteristics similar to those from mantle xenoliths (lherzolites, wehrlites, pyroxenites) or kimberlite megacrysts are also found in a variety of other non-kimberlite rock types. Therefore, EPMA is required to differentiate kimberlite-related clinopyroxenes from those associated with other rock types. Clinopyroxene from the Horn Plateau region consists of 138 grains from 98 samples (including seven till samples), while 106 Trout Lake clinopyroxene grains (from 68 samples) were analyzed. Their chemical compositions are provided in Appendix, Table B.1.

Major element variations of Cr-diopside grains from the Horn Plateau and Trout Lake regions indicate multiple petrogenetic sources (Figure 2.2). Of these, 124 Horn Plateau and 19 Trout Lake grains have mg# (molar Mg/(Mg+Fe)) > 0.88 and elevated Cr_2O_3 (> 0.5 wt%) typical of

mantle peridotites (Figure 2.2). The mg# of Horn Plateau peridotitic Cr-diopsides is higher (mean of 0.92) compared to those from Trout Lake (mean of 0.90). Peridotitic Cr-diopsides from the Horn Plateau can be sub-divided into at least two different groups (criteria outlined by Ramsey and Tompkins, 1994; Nimis, 1998; Cookenboo and Grütter, 2010). The first group contains 120 Horn Plateau and 15 Trout Lake Cr-diopside grains with lower Al_2O_3 (< 4 wt%) contents and generally higher mg# (mean 0.92), typical of Cr-diopside from garnet-peridotites (Figure 2.2). The second group of peridotitic Cr-diopsides consists of four Horn Plateau and four Trout Lake Cr-diopside grains with higher Al_2O_3 (> 4 wt%) contents and variable mg# (0.89-0.95; Figure 2.2). The grains from this group are either from off-craton garnet-peridotites or from spinel-peridotites (on- or off-craton). Most of the CMV peridotitic Cr-diopside grains are compositionally indistinguishable from those derived from Central and Western Slave Craton surficial samples (Figure 2.2).

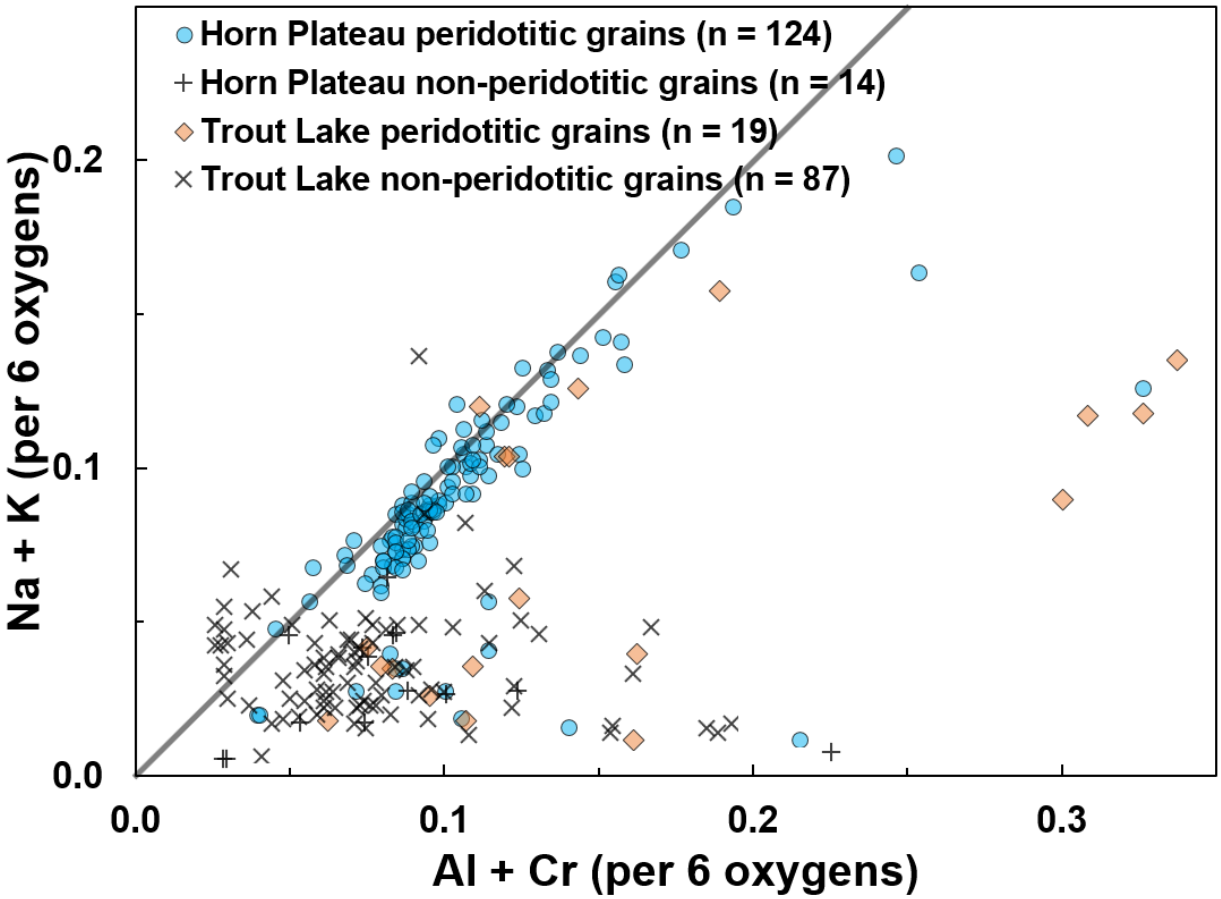

Figure 2.2 Clinopyroxene molar Na+K versus molar Al+Cr discrimination plot with grains from both areas. See legend for symbols. Peridotitic grains have mg# > 0.88 and Cr_2O_3 > 0.5 wt%. Grey (1:1) line represents garnet-facies Cr-diopside which may contain jadeite ($NaAl[Si_2O_6]$) and kosmochlor ($NaCr[Si_2O_6]$) components. Spinel-facies Cr-diopside fall to the right of the line.

2.4.1.2 Eclogitic garnet

Although potential eclogitic garnets (< 1 wt% Cr_2O_3) make up less than 1 % of the KIMs collected from each CMV region, diamondiferous eclogite xenoliths on average have one to two orders magnitude higher diamond grade (carat/ton) than peridotite xenoliths (e.g., Erlich and Hausel, 2002). Therefore, understanding the eclogitic diamond potential is important, even at low indicator counts. Both graphical relationships (e.g., mantle and crust fields; Schulze, 2003) and more robust LDA and LR statistical methods (with associated probability values; Hardman et al., 2018) were applied to the CMV eclogitic garnet grains (Figure 2.3) following classification of Grütter et al. (2004). The Horn Plateau eclogitic garnets consist of three high-Ca eclogitic (G3) and 10 low-Ca eclogitic to pyroxenitic (G4) grains, while nine G3 grains are from the Trout Lake region. These CMV grains are predominantly almandines to pyrope garnets. The statistical crust-mantle methods classify all 13 of the Horn Plateau grains and no Trout Lake grains as “mantle-derived” (Figure 2.3). Microprobe analyses of “mantle-derived” eclogitic garnets are provided in Appendix, Table B.2.

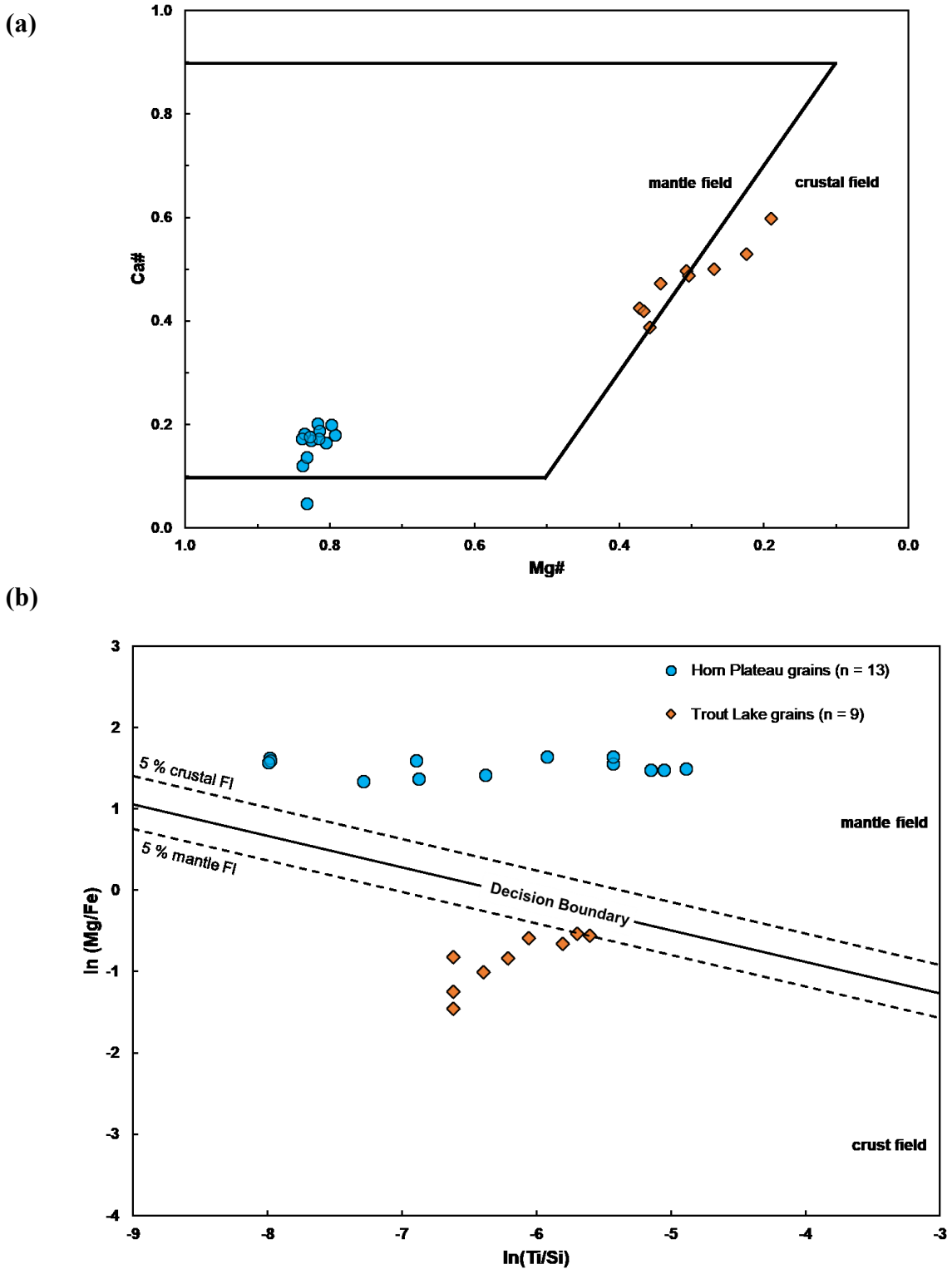

Figure 2.3 Eclogitic garnet discrimination plots. **(a)** Ca# (molar Ca/(Ca+Mg)) versus mg# after Schulze (2003). **(b)** Graphical ln(Mg/Fe) versus ln(Ti/Si) statistical analysis after Hardman et al. (2018). Note no Trout Lake eclogitic garnets in Schulze (2003) discriminant **(a)** plot in the mantle field of Hardman et al. (2018).

2.4.1.3 Peridotitic garnet

Peridotitic garnets from the CMV surficial samples are (Cr-)pyropes with Cr_2O_3 contents of 1.07-15.6 wt% and CaO contents of 1.00-35.4 wt% (Figure 2.4). Of 1588 peridotitic garnet grains classified using the scheme of Grütter et al. (2004), from the Horn Plateau, lherzolitic garnets (G9) dominate (65 %), followed by high-TiO_2 peridotitic garnets (G11, 17 %), harzburgitic garnets (G10, 10 %) and wehrlitic garnets (G12, 7 %). A small portion of the Horn Plateau garnets are Cr_2O_3-rich (10-15 wt%) with only 3 % situated above the graphite-diamond constraint (Figure 2.4; Grütter et al., 2006). Conversely, the Trout Lake peridotitic garnets are all G9 (n = 138), except for one G12 grain and generally plot in the high-Ca off-craton portion of the lherzolitic field (Grütter et al., 2004), setting them apart from typically lower Ca lherzolitic garnets from the Horn Plateau (Figure 2.4). The Horn Plateau garnets have variable TiO_2 contents (bdl to 1.04 wt%, mean = 0.18 wt%) and mg# values (0.65-0.87). Meanwhile, the Trout Lake garnets have much more uniform (and lower) TiO_2 contents (bdl to 0.40 wt%, median = 0.03 wt%) and mg#s (0.75-0.84). Microprobe analyses of peridotitic garnets are provided in Appendix, Table B.3.

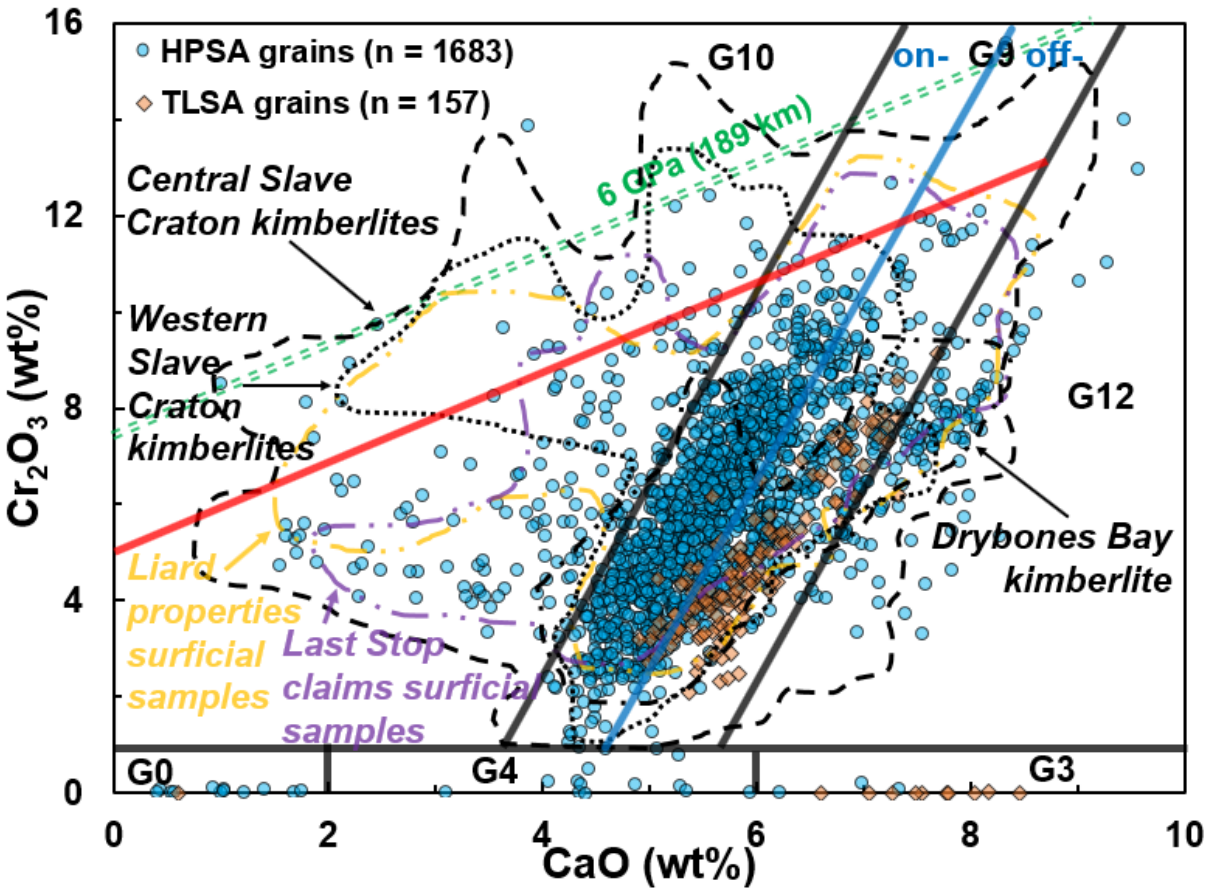

Figure 2.4 Garnet Cr_2O_3-CaO classification plot (after Grütter et al., 2004). Grains from both areas and 95 % contour interval field for peridotitic garnets from CMV mineral claims (purple and yellow dashed lines; data from Pitman, 2014), Central and Western Slave Craton kimberlites (black dashed lines; data from a variety of sources – see text) and surficial samples (grey dashed lines; data from NTGS GoData KIMC database). Solid red line = graphite diamond constraint (GDC). Double dashed green line = P^{38} Cr-in-garnet barometer (both after Grütter et al., 2006). Note P^{38} estimates 6 GPa (minimum) maximum pressure for Cr-rich garnets from the Horn Plateau.

2.4.1.4 Olivine

Olivine can be a useful KIM for diamond exploration in colder climates (i.e., the CMV and elsewhere in the Northwest Territories) due to its high physical stability; although it is also present in a wide variety of mafic and ultramafic rocks. Hence, kimberlite-related (phenocrystic and mantle-derived xenocrystic) olivine must be differentiated from that originating from "basaltic" sources recovered in surficial samples.

Only 38 of the 109 Horn Plateau olivine grains have chemistry typical of xenocryst cores of olivine from kimberlites (Figure 2.5; mg# 0.89-0.94, NiO ≥ 0.3 wt%, CaO ≤ 0.1 wt%, MnO ≤ 0.15 wt%; e.g., Bussweiler et al., 2015, 2017). All 15 Trout Lake olivines fall within this mantle range, although they have a less variable, lower mg# (mean 0.91) compared to those from the Horn Plateau (mean mg# 0.92). These chemical screens do not include magmatic kimberlitic olivine, i.e., those as overgrowths/phenocrysts (e.g., Brett et al., 2009; Bussweiler et al., 2015) and/or those from the Cr-poor megacryst suite (Moore and Belousova, 2005) and therefore, exclude other olivine related to kimberlites; a few (9 to 11) Horn Plateau grains with slightly lower NiO contents (> 0.2 wt%) and/or mg#s (> 0.87) are likely kimberlitic (Figure 2.5). Only a few of the olivine grains from the Horn Plateau (n = 13) and Trout Lake (n = 1) have compositions typical for olivine inclusions in diamond with high mg# (> 0.91; Stachel and Harris, 2008) and low Cr_2O_3 (< 0.2 wt%; Fipke et al., 1995). The complete chemical compositions of CMV grains are provided in Appendix, Table B.4.

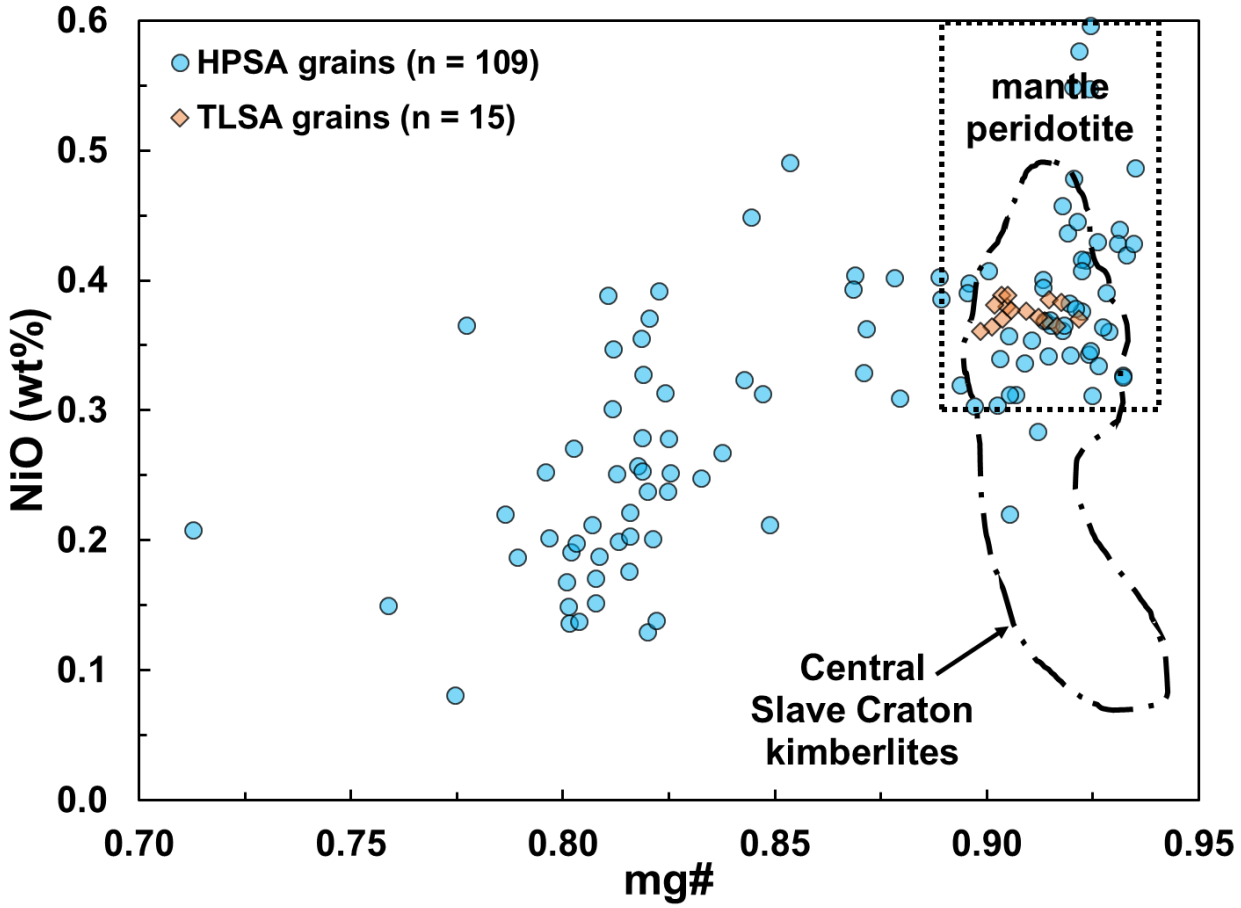

Figure 2.5 NiO versus mg# plot displaying simplified mantle peridotite field for olivine, based on data for xenocrystic olivine cores from kimberlites (Bussweiler et al., 2017). Grains from both areas and 95 % contour interval field for olivine from Central Slave Craton kimberlites (black dashed line; data from Menzies et al., 2004; Aulbach et al., 2007, 2011; Brett et al., 2009; Bussweiler et al., 2015). See legend for symbols. Note grains with mg# between 0.87-0.89 and high NiO (> 0.3 wt%) likely represent magmatic kimberlitic olivine.

2.4.1.5 Ilmenite

Kimberlite-derived ilmenite can be distinguished from non-kimberlitic magmatic ilmenites based on the TiO_2 versus MgO discrimination plot of Wyatt et al. (2004). Out of 48 Trout Lake ilmenite grains, only four are kimberlitic (i.e., plot to the right of the discriminant curve in Figure 2.6) whereas ilmenites from the Horn Plateau are more promising for diamond exploration, with 789 grains (of 948) being of kimberlitic composition. The complete chemical compositions of CMV ilmenite grains are provided in Appendix, Table B.5.

Mills (2008) noted that Horn Plateau Mg-ilmenites document a complex crystallization history with both Cr_2O_3- and MgO-poor (oxidized) and Cr_2O_3- and MgO-rich (reduced) suites which define two groups: (1) a less prominent group with 5-7 wt% MgO and very low Cr_2O_3 and (2) a dominant group with > 10 wt% MgO and Cr_2O_3 increasing with MgO-content. All four kimberlitic Mg-ilmenite grains from three Trout Lake samples have similar Nb_2O_5, TiO_2, Cr_2O_3, MnO and MgO contents to the Cr_2O_3- and MgO-poor suite of the Horn Plateau. These four Trout Lake grains and 10-25 % of the Horn Plateau Mg-ilmenites are characterized by relatively low TiO_2, MgO and Cr_2O_3 values that increase at the low end of the MgO-spectrum, similar to those from the Drybones Bay kimberlite (Figure 2.6; Schulze et al. 1995; Kerr et al. 2000). Meanwhile, the majority of Horn Plateau grains (75-90 %) have similar Nb_2O_5, TiO_2, Cr_2O_3, FeO and MgO contents as those from Western and Central Slave Craton surficial samples (Figure 2.6).

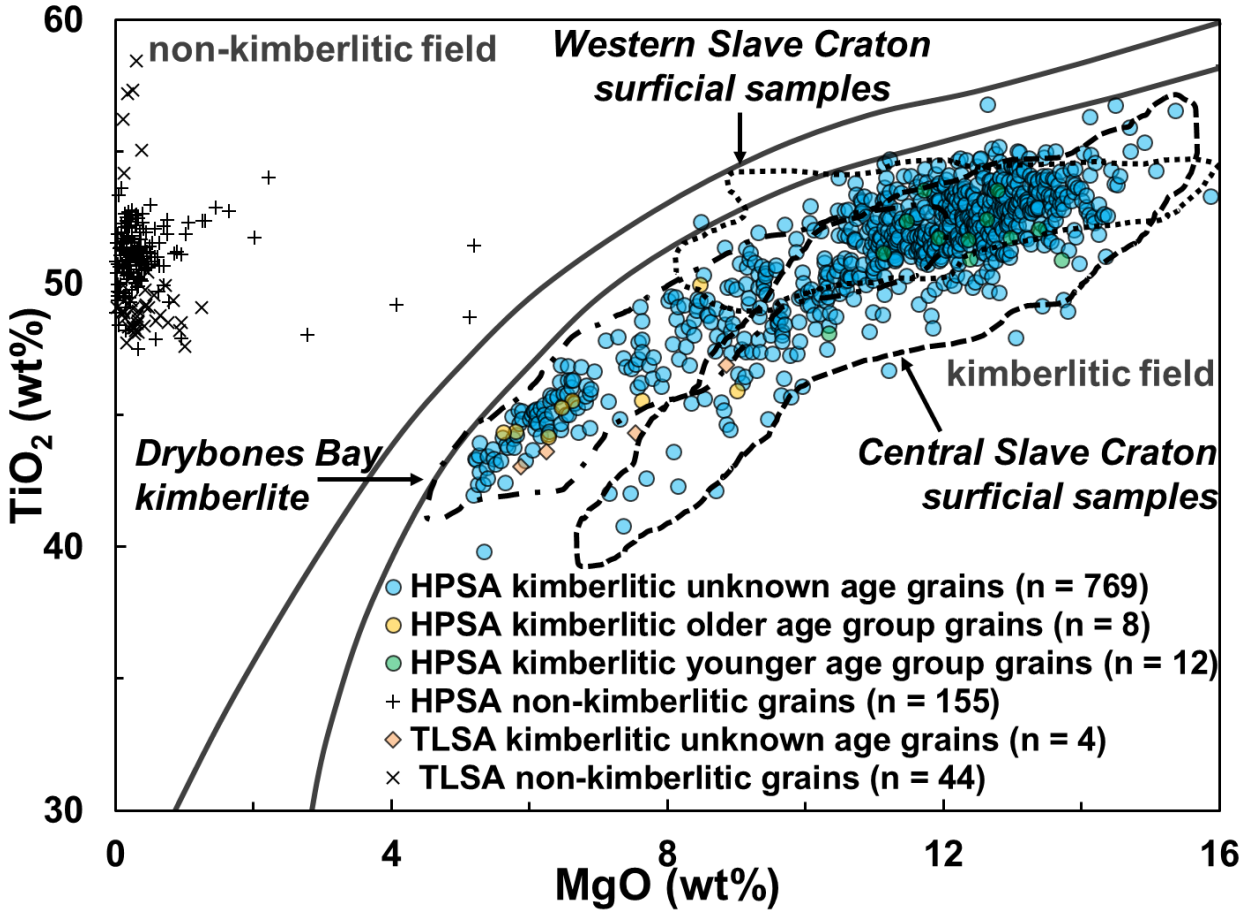

Figure 2.6 Ilmenite TiO_2-MgO discrimination plot (after Wyatt et al., 2004). Grains from both areas and 95 % contour interval fields for Mg-ilmenites from Central and Western Slave Craton surficial samples (grey dashed lines; data from NTGS GoData KIMC database), as well as the Drybones Bay kimberlite (black dashed lines; data from Schulze et al. 1995; Kerr et al. 2000). See legend for symbology.

2.4.1.6 Spinel

The distinction of kimberlite-related spinels from those derived from other sources, such as basalts and layered intrusions, is not simple because spinels crystallize over a wide range of conditions from a variety of mafic and ultramafic magmas. Further, kimberlite-related spinels have a wide range in Ti-Al-Cr-Fe-Mg end-member compositions (Figure 2.7a; chromite, hercynite, magnesiochromite, magnesioferrite, magnetite, spinel and ulvöspinel). The varying compositional and morphological diversity of spinels from a single kimberlite is the result of rapidly changing very dynamic, thermal and pressure conditions prevalent during kimberlite evolution (Roeder and Schulze, 2008).

Spinels from the Horn Plateau (n = 314) and Trout Lake regions (n = 41) have predominantly Al- and Cr-spinel compositions consistent of grains from both kimberlitic and non-kimberlitic sources (see Appendix, Table B.6). The non-kimberlitic spinels are likely from other ultramafic or mafic source(s), as previously speculated by Day et al. (2007) and Mills (2008). At least 70 % of the Horn Plateau region spinels and only 12 % of the Trout Lake spinels have major and minor element compositions (TiO_2, Al_2O_3, Cr_2O_3, Fe_2O_3, FeO, MgO) typical of spinels from kimberlites (e.g., Sobolev, 1977; Barnes and Roeder, 2001; Roeder and Schulze, 2008).

For simplicity, the common groups of kimberlite-related spinel of Roeder and Schulze (2008), intended only for ease of discussion, will be used here. The kimberlite-related spinels from these two regions are almost entirely from xenocryst peridotite (Xen) and phenocryst chromite (Chr), with only a few Horn Plateau grains (n = 9) having slightly evolved intermediate compositions along kimberlite trend (Figure 2.7b; Roeder and Schulze, 2008). Moreover, only a few grains (< 5 %) follow the common Magnesian ulvöspinel-Ulvöspinel-Magnetites (MUMs) trend (Figure 2.7c) of kimberlitic spinels best exemplified by those from the Grizzly kimberlite (Ekati, Central

Slave Craton; Roeder and Schulze, 2008). Moreover, spinels from Diavik kimberlites range in composition from TiMACs (Titanium-Magnesium-AluminoChromites) to MUMs (Magnesian ulvöspinel-Ulvöspinel-Magnetites; Bussweiler et al., 2015) which are different from most CMV spinel compositions.

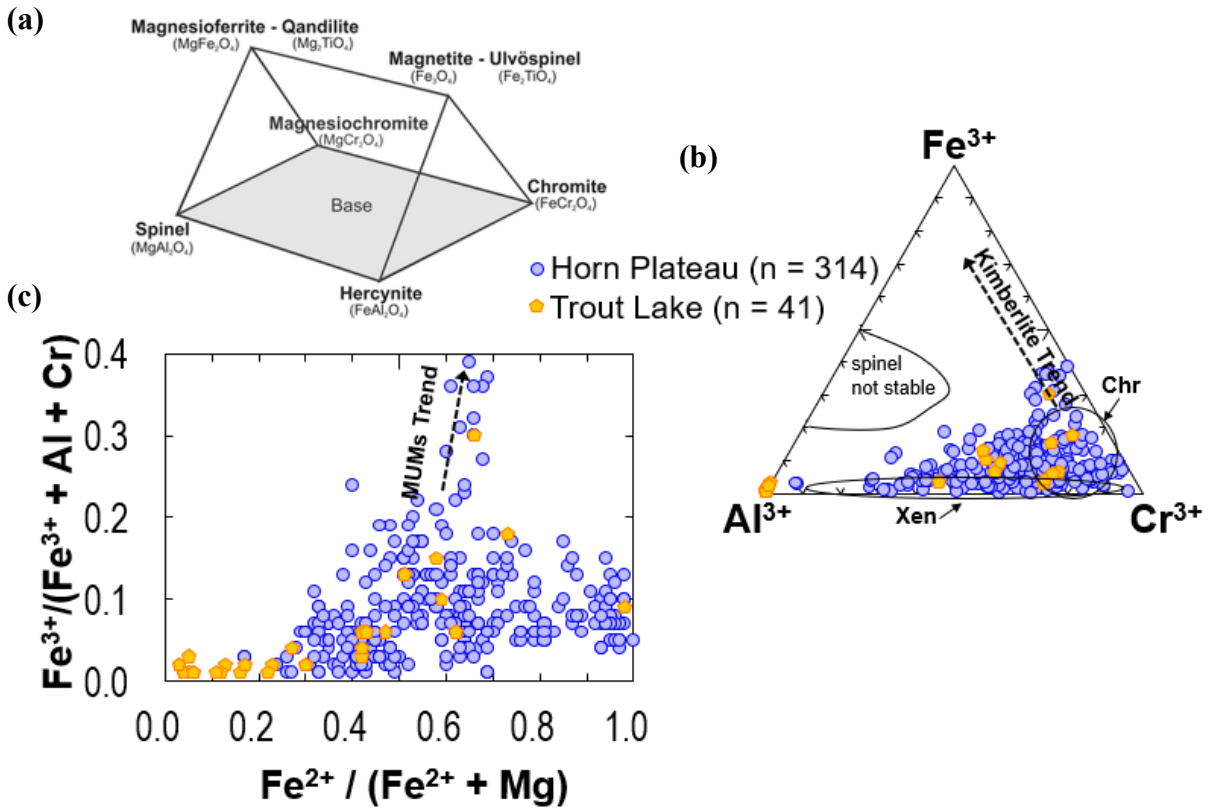

Figure 2.7 (a) Spinel prism with end-member compositions. **(b)** Spinel ternary plot of Fe^{3+}-Cr-Al with CMV grains. Note many Horn Plateau and only a few Trout Lake grains plot within the Xen field (i.e., Cr-Al "mantle" trend) indicating formation from mantle xenoliths. Other grains plot within the Chr (phenocryst) field and parallel to the kimberlite trend suggesting they crystallized from kimberlite magma. **(c)** $MgFe_2O_4$-Fe_3O_4 and base of spinel prism compositions of CMV spinels**.** Note MUMs (Magnesian ulvöspinel-Ulvöspinel-Magnetites) trend typical of spinels from Central Slave Craton kimberlites. All trends and fields from Roeder and Schulze (2008). See text for discussion.

2.4.2 Peridotitic garnet trace element abundances and rare-earth element patterns

Typical Ni, Y and Zr contents of 10-120 ppm (e.g., Griffin et al., 1989) were determined for most analyzed Horn Plateau (n = 810) and Trout Lake (n = 137) peridotitic garnet grains (see Appendix, Table C.2). However, some G10, G9 and G12 grains contain extremely depleted signatures of Y and Zr (< 10 ppm); 43 G10, 157 G9 and 22 G12 grains from the Horn Plateau and 37 G9 grains from the Trout Lake. Only one G10 and two G9 grains from the Horn Plateau contained unusually elevated Ni contents (125-150 ppm), while only two G9 grains from the same area had unusually low Ni contents (7-9 ppm). Additionally, most grains from both areas contain REE abundances typical of peridotitic garnet (< 10 ppm; except Y). The concentrations are, however, less significant compared to the shape of REE_N patterns, as abundances are strongly influenced by the amount of modal garnet (Stachel et al., 2004).

Based on their chondrite-normalized rare earth element patterns (REE_N) patterns (Figure 2.8), peridotitic garnets from the CMV regions can be classified into three principal groups (see Appendix, Table C.2). (1) HREE-enriched patterns have very low LREE concentrations that increase to chondritic abundances through the MREEs, becoming ~ 10x chondritic in the HREEs (Figure 2.8a). This is the largest group of Horn Plateau garnets (55 % of total) and is dominated by G9s (n = 369), followed by 62 G11, six G10 and five G12 grains. Based on their Ni contents, the HREE-enriched group covers the entire temperature range observed for Horn Plateau garnets and has variable Zr, Y, Hf abundances (Figure 2.9a). Trout Lake garnets from this group (n = 99) also have variable Zr, Y, Hf abundances, typical of depleted to metasomatized garnets (e.g., Griffin and Ryan, 1995) and occur in similar proportions across the entire observed temperature range (Figure 2.9b). (2) Garnets from the MREE-depleted group have V-shaped to extremely sinusoidal REE_N patterns with variable, typically super-chondritic LREE abundances, decreasing

concentrations from Ce or Nd to Tb or Ho and steep linear positive slopes in the $HREE_N$ with near chondritic Lu concentrations (Figure 2.8b). This group contains 16 G10, six G12, five G9 and two G11 Horn Plateau grains no Trout Lake grains. All garnets from this group have Ni temperatures < 1100 °C (except one) and very low Zr, Y and Hf concentrations (< 0.024 ppm), at or below chondrite abundance (Figure 2.9a). (3) Garnet REE_N patterns of the sinusoidal group have positive slopes in the $LREE_N$ with a peak at Nd, negative slopes in the $MREE_N$ with a trough between Dy and Er and positive slopes in the $HREE_N$ (Figure 2.c). This group consists of 230 G9, 70 G10, 8 G11 and 18 G12 Horn Plateau grains and 38 G9 Trout Lake grains. The Horn Plateau garnets from this group have low and high Zr, Y and Hf concentrations, occurring in approximately equal proportions and again extending across the entire observed temperature range (Figure 2.9a). Meanwhile, the Trout Lake garnets from this group have less sinuous REE_N patterns and generally lower depleted Zr, Y and Hf contents, at or slightly above chondritic values across the entire observed temperature range (Figure 2.9b).

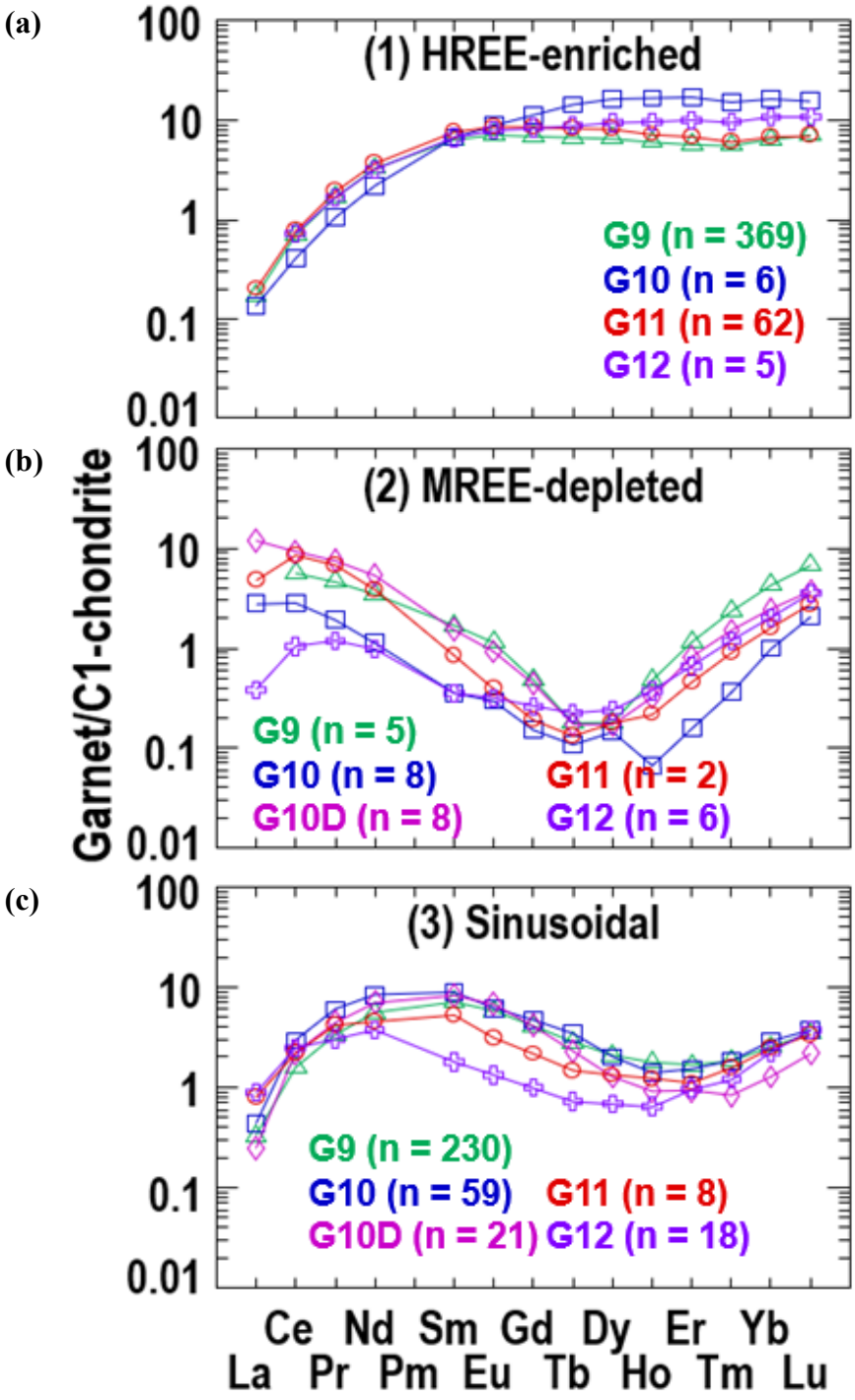

Figure 2.8 Chondrite-normalized rare earth element (REE_N) plots for Horn Plateau peridotitic garnets. Chondrite normalization values after McDonough and Sun (1995). The garnets display three distinct REE_N patterns: **(a)** HREE-enriched, **(b)** an extreme sinusoidal MREE-depleted pattern and **(c)** sinusoidal with variable re-enrichment. Mean values for n < 10, median values for n > 10. Symbol groupings are based on garnet classification after Grütter et al. (2004). Green triangles = G9, Blue squares = G10, Pink diamonds = G10D, Red circles = G11 and Purple crosses = G12 grains.

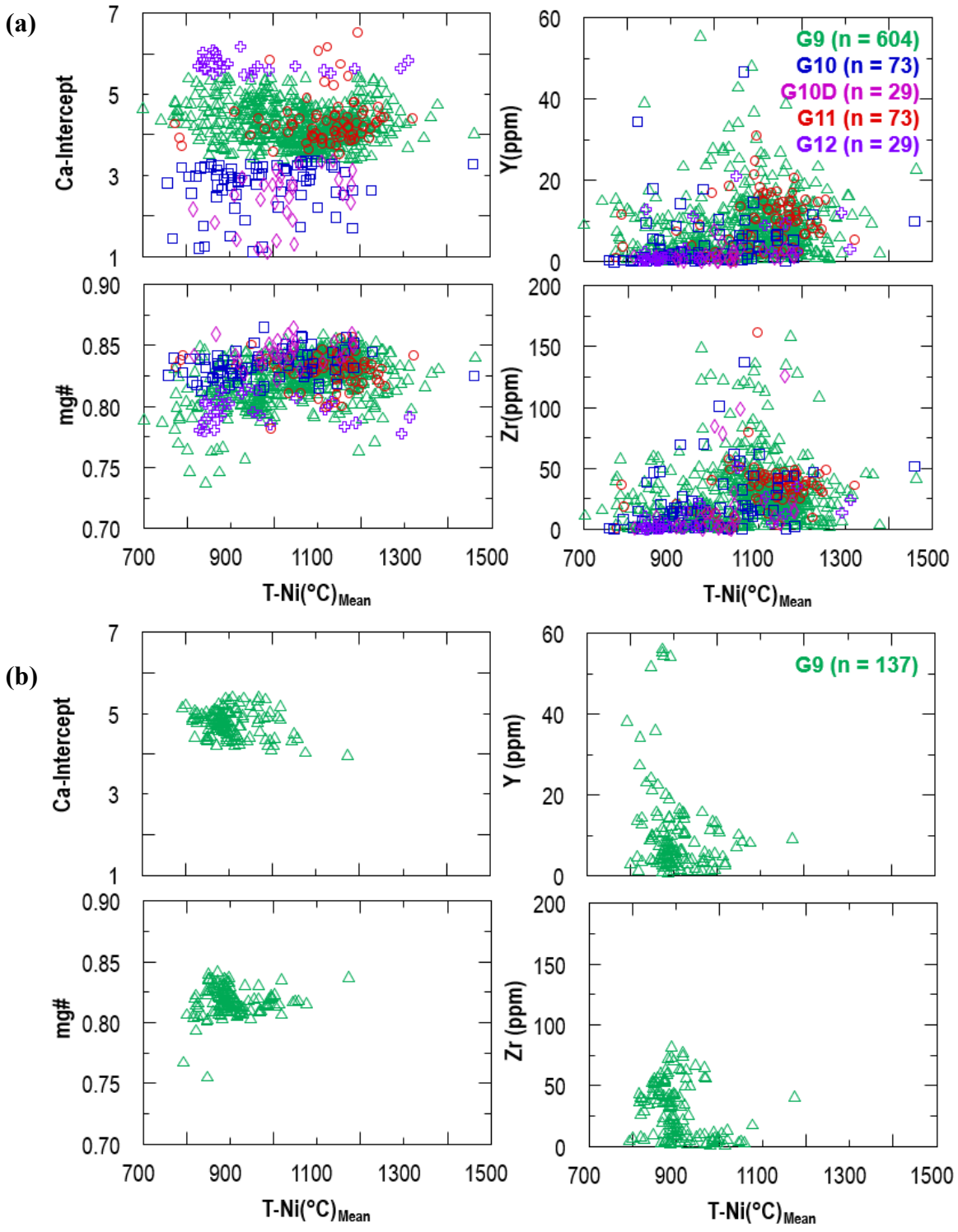

Figure 2.9 Peridotitic garnet major and trace element results plotted versus Ni-in-garnet temperatures (mean of Griffin et al., 1989 and Canil, 1999). Grains from **(a)** Horn Plateau and **(b)** Trout Lake areas. Symbol groupings are based on garnet classification after Grütter et al. (2004). Green triangles = G9, Blue squares = G10, Pink diamonds = G10D, Red circles = G11 and Purple crosses = G12 grains.

2.4.3 Peridotitic olivine trace element abundances

CMV olivine grains with distinct chemistry similar to mantle peridotites (Mg# 0.89-0.95, NiO ≥ 0.3 wt%, CaO ≤ 0.1 wt%, MnO ≤ 0.15 wt%; e.g., Bussweiler et al., 2015) were selected for trace element determination. The analyzed mantle olivine grains were then discriminated from spinel-bearing facies (i.e., spinel and garnet-spinel peridotites) olivines by various discriminant diagrams (e.g., DeHoog et al., 2010; Bussweiler et al., 2017). Based on their position on the Al versus V plot for garnet versus spinel facies discrimination (Figure 2.10), only 17 of the 38 Horn Plateau olivines classify as garnet-peridotite-derived. All 15 Trout Lake olivine grains classify as garnet-peridotite-facies (Figure 2.10; Appendix, Table C.4). The majority of the CMV grains have trace element variations typical of macrocrystic and groundmass olivines in kimberlite (e.g., Bussweiler et al., 2015).

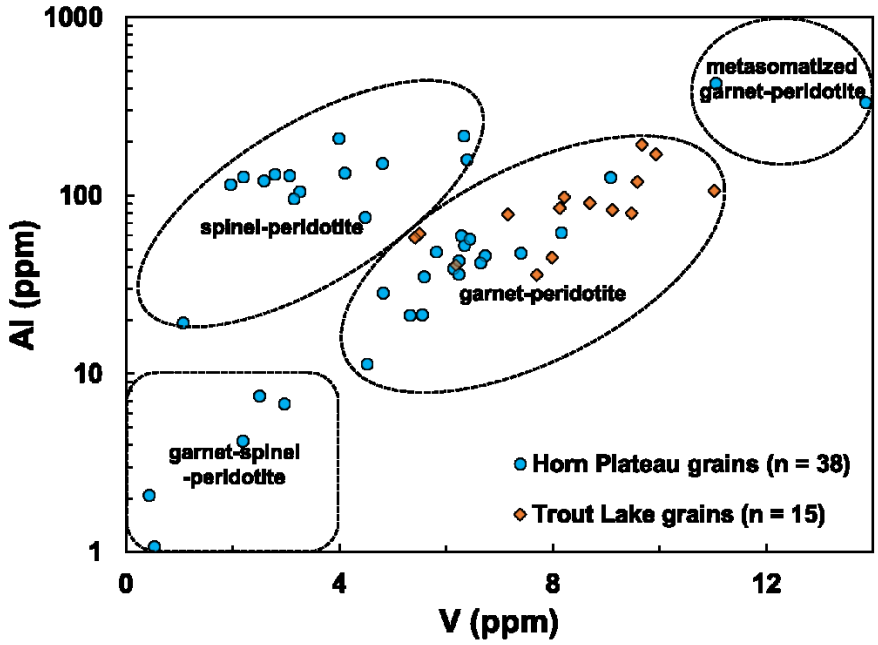

Figure 2.10 Al versus V mantle peridotite-facies discriminant (after Bussweiler et al., 2017) with mantle peridotite olivine grains analyzed for trace element concentrations from both areas.

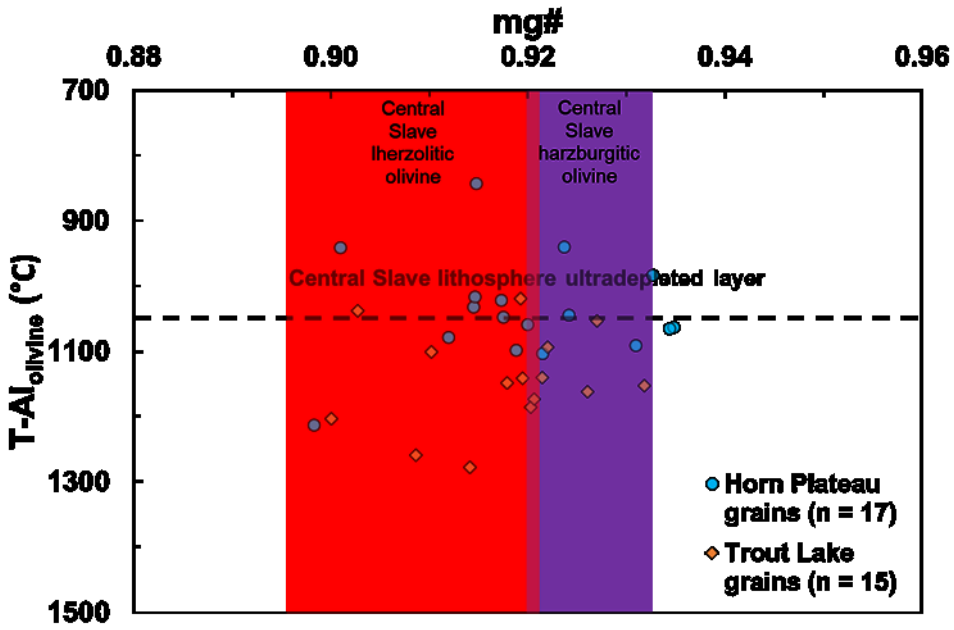

Figure 2.11 Al-in-olivine temperatures (Bussweiler et al., 2017) versus mg# for garnet peridotite CMV olivine grains. See legend for symbology. The approximate boundary for the two compositional layers and fields for mantle xenocryst olivine from Central Slave lithosphere are from Menzies et al. (2004).

2.4.4 Geothermobarometry

2.4.2.1 Single-grain clinopyroxene thermobarometry and FITPLOT geotherms

Using the Nimis and Taylor (2000) single clinopyroxene thermobarometer, compositionally screened Horn Plateau Cr-diopsides from garnet peridotites (n = 54; criteria of Grütter, 2009) give temperatures ranging between 744-1253 °C and corresponding pressures of 3.45-5.54 GPa (Appendix, Table D.2). These Horn Plateau Cr-diopsides define a conductive paleo geotherm equivalent to a lithospheric thickness of 200 (± 10) km (Figure 2.12), assuming a mantle potential temperature of 1300 °C. Although the possibility that this geotherm represents mixed datasets (Cr-diopsides from various sources) cannot be excluded, the tight correlation (Figure 2.12) makes it highly unlikely that sources with significantly variable geotherms could have been sampled. This geotherm has a wide "diamond window" (Figure 2.12) and with increasing depth crosscuts the 35-38 mW/m^2 model geotherms of Hasterok and Chapman (2011). Mantle sampling by source kimberlites of the Horn Plateau clinopyroxenes occurred in a smaller portion of the lithosphere between 3.5-5.7 GPa (120-180 km) and 700-1300 °C compared to clinopyroxene entrained from Central Slave Craton kimberlites (750-1200 °C; 3.6-5.8 GPa; Hasterok and Chapman, 2011). Meanwhile, only three Trout Lake Cr-diopside grains passed compositional screening (see Appendix, Table D.3); they cluster in a narrow pressure-temperature interval (658-710 °C and 3.01-3.15 GPa) within the graphite stability field and do not allow for the derivation of a reliable paleogeotherm (Figure 2.12).

2.4.2.2 Ni-in-garnet temperatures and projected pressures

Of the 808 peridotitic garnet grains analyzed for trace elements from the Horn Plateau, the majority have Ni-in-garnet temperatures between 850-1350 °C (Figure 2.12; Appendix, Table

D.2); while the 138 G9 grains from the Trout Lake extend to lower temperatures spanning a smaller range, between 800-1100 °C (except one grain; Appendix, Table D.3). Projection of Ni-in-garnet temperatures to the pyroxene-based geotherm for Horn Plateau indicates significant sampling in the diamond stability field (Figures 2.12-2.13). Based on the P_{38} Cr-in-garnet barometer of Grütter et al. (2006), a minimum (as the presence of Mg-chromite in the assemblage cannot be confirmed) maximum pressure of 6 GPa can be derived for the most Cr-rich Horn Plateau garnets, equivalent to ~ 190 km (Figure 2.4). These results are similar to the intersection of the Horn Plateau pyroxene-based geotherm with the mantle adiabat at 200 ± 10 km (Figure 2.12). The lack of a reliable geotherm for the Trout Lake precludes projection of Ni-in-garnet temperatures to depth.

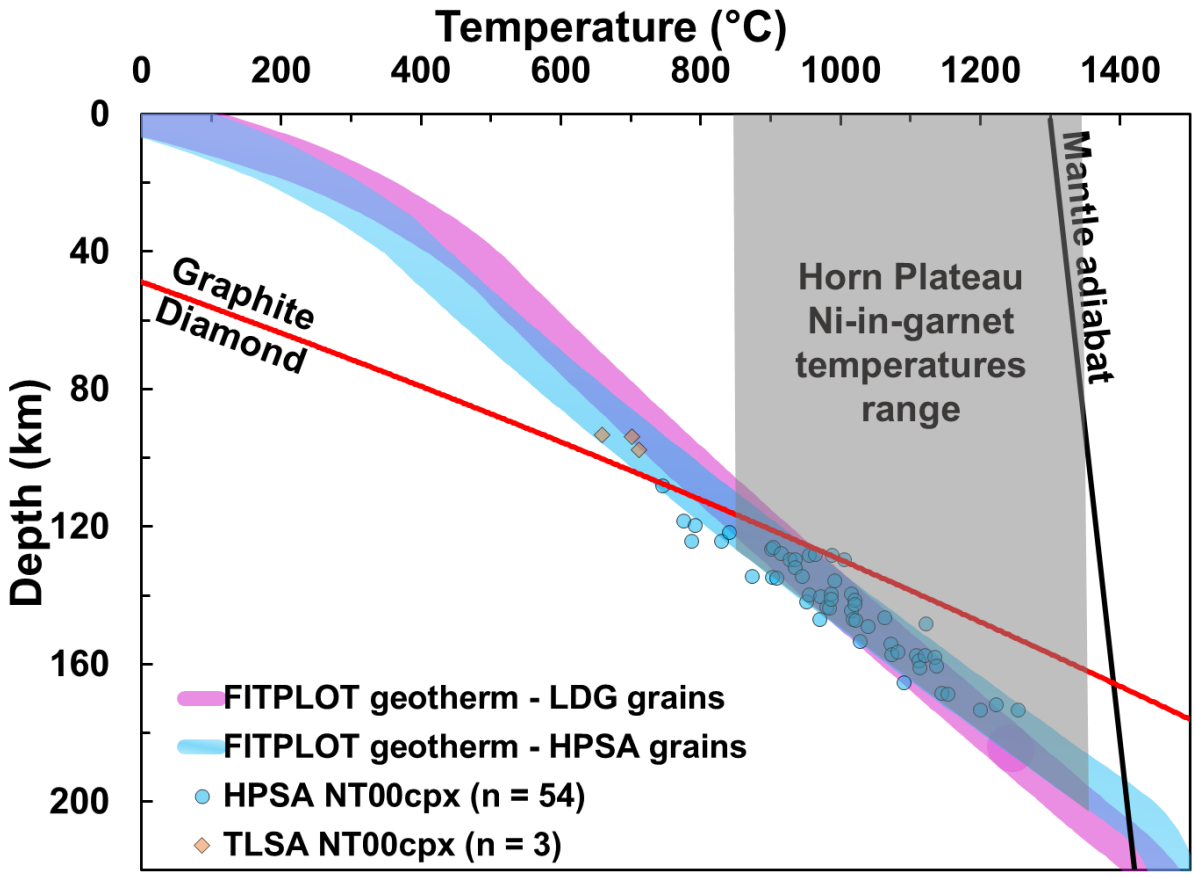

Figure 2.12 FITPLOT geotherms (following the methodology of Mather et al., 2011) and clinopyroxene pressure-temperature values calculated for garnet-facies KIM grains from both areas and the Central Slave Craton (data from Hasterok and Chapman, 2011) using the Nimis and Taylor (2000) thermobarometry technique. See legend for symbols. LDG = Lac de Gras (Central Slave Craton), Solid red line = graphite diamond transition curve (after Day, 2012), Solid black line = mantle adiabat with mantle potential temperature of 1300 °C. Upper and lower crust thicknesses for Horn Plateau was constrained from the SNORCLE line 1 transect (Cook et al., 1999). Depth was determined by multiplying pressure (GPa) by 3.15. Note the similarity between the Central Slave Craton and Horn Plateau Cr-diopside geotherms.

2.4.2.3 Al-in-olivine temperatures and projected pressures

Application of the Al-in-olivine thermometer requires screening out of olivines from spinel- and garnet-spinel facies peridotites, as the thermometer is only calibrated to work in garnet-facies peridotites. Al-in-olivine temperatures for the garnet peridotite-derived olivine grains (n = 17) from the Horn Plateau region are between 850-1200 °C (Figure 2.11). Projection of these temperatures to the Horn Plateau clinopyroxene-based geotherm indicates that all Horn Plateau garnet-peridotite olivine grains equilibrated at or deeper than the graphite-diamond transition in the diamond stability field. Their mantle sampling depth is at a similar mode as that defined by the projected garnet temperatures (160-180 km; Figure 2.13). The Al-in-olivine temperatures for the 15 Trout Lake garnet-peridotite olivine grains are much higher (1000-1300 °C; Figure 2.11) than the Trout Lake garnet-peridotite Cr-diopside temperatures (650-750 °C; Figure 2.12).

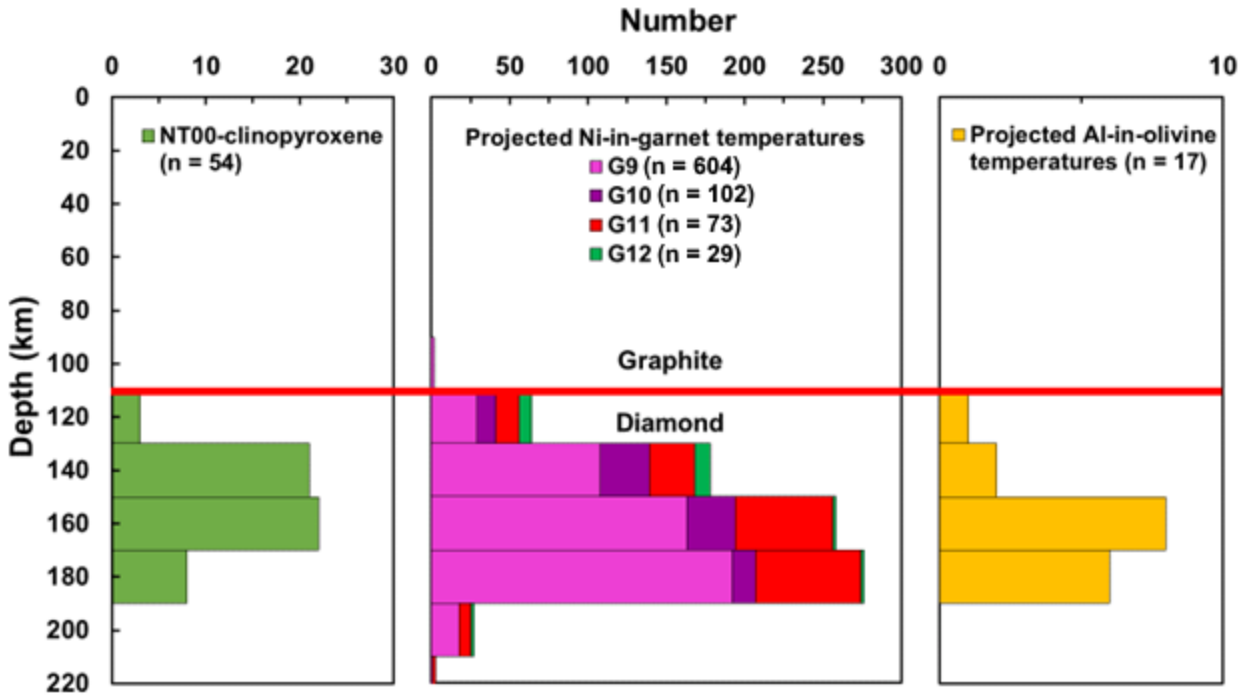

Figure 2.13 Mantle sampling profiles of garnet peridotite minerals from the Horn Plateau samples. Left = single grain clinopyroxene thermobarometry results (after Nimis and Taylor, 2000). Centre = projected Ni-in-garnet temperatures (averages of Griffin et al., 1989 and Canil, 1999). Right = projected Al-in-olivine temperatures (after Bussweiler et al., 2017). Red line = graphite-diamond transition curve (after Day, 2012).

2.4.5 Surface morphology of diamond

The macrodiamond discovered in alluvial sediment within the Horn Plateau in 2005 was originally characterized by Overburden Drilling Ltd. as dark grey, nearly opaque and inconspicuous. After analysis by binocular microscope, the macrodiamond is confirmed to be non-transparent with a dull (grey) appearance and has a series of broken faces (primary and/or secondary) and a break fracture surface running through it (Appendix, Figures F.1). It became evident after slicing a section through the macrodiamond that it is a completely fibrous diamond (Appendix, Figures F.1). Its surface also has subtle edge abrasion and percussion marks (Jeff W. Harris, personal communication), as well as various sediment and diatoms, lodged onto the surface of the diamond (Appendix, Figures F.1).

2.4.6 FTIR (nitrogen aggregation state) of diamond

Diamond classification is made based on the presence or absence of nitrogen and boron impurities and their specific diamond lattice configurations. Fibrous diamonds have frequently not been analyzed for nitrogen aggregation states using traditional techniques, such as the FTIR, due primarily to their lack of transparency, which hinders clear results. This is the case for the Horn Plateau fibrous macrodiamond discovered. Even after cutting the diamond into two slices, the opaque nature resulted in no nitrogen aggregation-state results by FTIR.

2.5 Discussion

2.5.1 Diamond potential of KIMs

Pyroxene-based thermobarometry for Horn Plateau KIMs indicates derivation from a cold, deep (190-210 km) lithospheric mantle root, with a large diamond window that was abundantly sampled (Figures 2.11-2.12). For Trout Lake, the lack of a pyroxene-based geotherm makes it

difficult to interpret the thickness of lithosphere sampled by the kimberlite sources of the sampled indicators. The three pressure-temperature estimates based on Cr-diopside grains from this area, however, plot close to the Horn Plateau clinopyroxene-based geotherm (Figure 2.11) suggesting it is not significantly different from that for the Horn Plateau Cr-diopside grains.

Cr_2O_3-CaO contents of peridotitic (≥ 1 wt% Cr_2O_3) garnets analyzed from both areas (Figure 2.4) suggest significantly different compositions of lithosphere sampled and transported to the surface. For the Horn Plateau, the peridotitic garnet chemistry suggests derivation from thick and highly depleted lithosphere that extends into the diamond stability field. In stark contrast, for Trout Lake, both the absence of G10 garnets and the overall lower Ni-in-garnet temperatures suggest shallower sampling of a less depleted lithospheric section, traditionally considered to have less favourable diamond potential.

All four Trout Lake Mg-ilmenites and a smaller portion of Horn Plateau grains (10-25 %) with low Cr_2O_3 and MgO contents (Figure 2.6) have extremely low $Fe^{3+/}Fe^{2+}$ ratios (calculated from stoichiometry) ranging from 0-0.05 that suggest favourable redox conditions for diamond preservation (e.g., Gurney and Zweistra, 1995; Schulze et al., 1995). Castillo-Oliver et al. (2017), however, questioned the utility of Fe_2O_3 contents in Mg-ilmenite in defining diamond preservation potential. The extremely Cr_2O_3-rich Mg-ilmenite grains from the "reducing" suite (75-90 %) are suggested to indicate a very depleted and Cr-rich mantle source with favourable diamond potential (Mills, 2008 and references therein). Moreover, 10 Horn Plateau (and no Trout Lake) spinels have > 61 wt% Cr_2O_3, 10-16 wt% MgO, < 0.60 wt% TiO_2, < 8 wt% Al_2O_3, < 6 wt% Fe_2O_3, 13-17 wt% FeO (Fe contents calculated based on stoichiometry), i.e., compositions typical of diamond inclusion spinels (e.g., Sobolev, 1977; Fipke et al., 1995) and hence indicative of favourable diamond potential.

The conclusions for Horn Plateau KIMs are similar to past major and minor element studies of these same grains (Day et al., 2007; Mills, 2008), as well as those from exploration sampling programs in the area (Figure 1.1; Last Stop claims; Pitman, 2014), but are now constrained by a much wider spectrum of data and thermometry approaches. We conclude that the kimberlite source of some Horn Plateau KIMs appears to have excellent diamond potential (provided that the indicator sources are local) whereas that of the Trout Lake KIMs does not provide a viable exploration target.

2.5.2 Interpretation of statistical tests

Peridotitic garnet major element chemical data from the Horn Plateau has a non-normal distribution for all major and minor elements (see Appendix, Table E.2). This is typical for regional geochemical data, even after logarithmic transformation and suggests the likelihood of mixing from multiple kimberlite sources (e.g., Reimann and Filzmoser, 2000). The widely varying, non-normal compositional characteristics of garnet chemistry from the NTGS GoData database for Slave Craton surficial samples suggests they are also from multiple sources. Variations in KIM chemistry with geographic location, as can be observed on the Horn Plateau (Day et al., 2007; Mills, 2008) and HOAM property mineral chemistry data (Pitman, 2014), also suggest mixing of KIMs from multiple sources.

The logistic regression (LR) solutions for peridotitic garnet chemistry from the Horn Plateau and kimberlites and surficial samples from the Central Slave Craton show sufficient spread in the population density distributions (Figure 2.14) to reliably distinguish Horn Plateau and Central Slave Craton derived KIMS where the populations do not strongly overlap. Based on the major element datasets analyzed using LR, it is likely that at least part of the Horn Plateau KIMs are not derived from the Central Slave Craton, as their population density distributions have

solutions which do not overlap (Figure 2.14). The garnets which lie at or to the right of the 10% probability density curve of the Horn Plateau LR solutions with the Central Slave Craton populations are primarily the most depleted harzburgitic garnets from the area; the samples containing these grains display no distinct dispersal pattern. There is, however, significant overlap between peridotitic garnets from the Horn Plateau and surficial samples and kimberlites from the Western Slave Craton in their respective LR solution (Figure 2.13). Consequently, the two populations cannot be probabilistically discriminated using LR and hence we cannot reject the possibility that the Horn Plateau KIMs were derived from the Western Slave Craton. In context of the inferences we draw from these LR results and other KIM chemistry results, we explore potential transport mechanisms and kimberlite sources of the Horn Plateau KIMs.

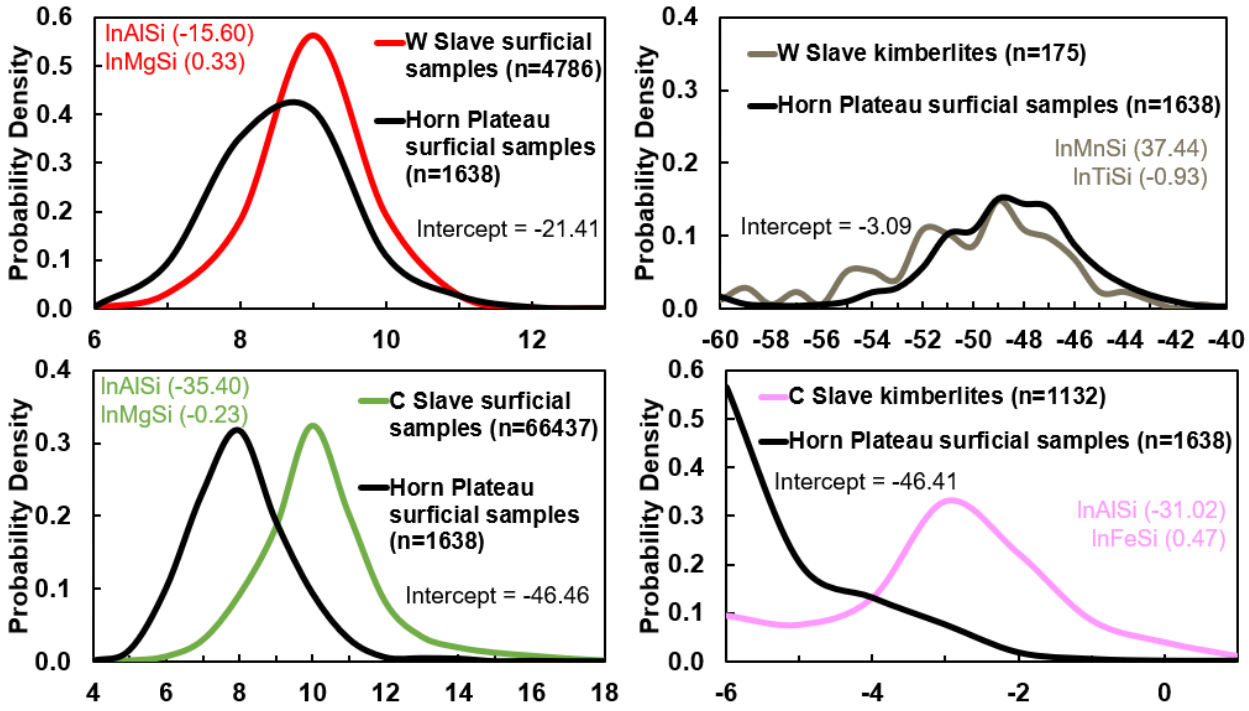

Figure 2.14 Probability density plots with x-axis values assigned by logistic regression (LR)-solutions for peridotitic garnet major element data between Horn Plateau grains and those from various populations. Increasing degrees of overlap indicate increasing similarity between populations using the LR solution, while offset distributions indicate population differences (see text for details). The LR solutions are the sum of all major element cations divided by Si, expressed as natural logarithms, with an intercept (value listed for each solution; see text for details). Also shown in each plot are the largest and smallest coefficients which indicate the weighted range for coefficients for each LR solution. See Appendix, Table E.2 for full list of coefficients and means for each variable from all compared populations.

2.5.3 Possible transport mechanisms of Horn Plateau KIMs

Peridotitic garnet typically survives dispersion and alteration substantially better than other KIMs at the Earth's surface (except Mg-ilmenite and Mg-chromite) and are very commonly found as diamond inclusions, making it a valuable starting point when conducting reconnaissance diamond exploration. Peridotitic garnets commonly have kelyphite rims, finely pitted or microscopic "orange peel" textures (i.e., impressions from radially arranged pyroxene crystals), as well as frosted surfaces (Garvie and Robinson, 1984). These features wear down or break off readily during abrasion (e.g., McCandless, 1990) with the presence/absence and thickness on individual grains possibly giving some indication of the relative transport distance from the kimberlite source (Garvie, 2003). None of the Horn Plateau garnets were reported to have any of these features (Day et al., 2007; Mills, 2008), suggesting none are extremely close to their kimberlite source. Although a large proportion of the Horn Plateau peridotitic garnet grains are intensely cracked with rounded edges, the roundness of grains is an unreliable method for estimating transport distance (e.g., McClenaghan and Kjarsgaard, 2007).

Diamonds are extremely hard (Mohs hardness = 10), however, they have very good cleavage and, therefore, can be crushed or impacted in the surficial environment. The discovery of the fibrous macrodiamond from an alluvial gravel Horn Plateau sample (Appendix, Figures F.1) could hold important clues to any viable transport mediums (e.g., glacial, fluvial, lacustrine, marine) it and other KIMs may have experienced since emplacement by their source kimberlites. Some features (e.g., diatoms; Appendix, Figures F.1) suggest it was at some point in a high energy environment (e.g., marine and/or glacio-fluvial). Furthermore, the high proportions of monomineralic KIM grains along with the variations observed in mineral phases, in colour, in sphericity, in roundness, in grain size and in composition (Day et al., 2007; Mills, 2008), imply

that the Horn Plateau KIMs were likely subjected to several cycles of weathering and sedimentation, as well as being derived from multiple source rocks and areas.

Significant concentrations of KIMs and alluvial diamond deposits are most commonly the result of marine and fluvial mechanisms (e.g., Marshall and Baxter-Brown, 1995). The only known mechanism capable of transporting relatively high abundances of kimberlitic material (boulders, cobbles, grains) over large distances (> 500 km) are fluvial systems (e.g., Marshall and Baxter-Brown, 1995). Kimberlitic material from Slave Craton kimberlites (Figure 2.15) could have been intermittently transported west-southwest towards the CMV by fluvial systems. The Slave Craton hosts four major kimberlite domains with different emplacement ages (Figure 2.15): (I) Silurian and Ordovician in the Southwestern and Western Slave Craton, (II) a Cambrian Southeastern domain, (III) a Cretaceous to Tertiary-aged Central domain and (IV) a Jurassic and Permian-aged northern domain (Heaman et al., 2003).

Although no Paleozoic cover exists on the Slave Craton anymore, studies of Phanerozoic sedimentary xenoliths from kimberlites with varying emplacement ages, across the craton (Figure 2.15), indicate this vast region was periodically inundated throughout the Phanerozoic (e.g., Cookenboo et al., 1998; Nassichuk and McIntyre, 1995; Pell, 1997). The first cratonic inundation was from the west in the earliest Cambrian with its shoreline believed to lay close to the present limit of Phanerozoic cover where well-sorted coarse clastics are believed to have been deposited from the east during this time (Aiken, 1993; Patchett et al., 1999). Following a drop in sea-level during the Middle-Late Cambrian, well-sorted coarse clastics transported from the east are believed to have been deposited by fluvial drainage networks on the passive western margin located near the CMV (Patchett et al., 1999). This would have been an opportune time for kimberlitic material to have been fluvially transported 300-400 km from the emplaced Slave

Craton kimberlites and deposited along the passive margin in Cambrian CMV strata. Sub-cropping below Quaternary deposits, Cambrian-Silurian aged sedimentary rocks are still preserved near Lac la Martre, > 200 km northeast of the Horn Plateau. These Paleozoic rocks, which were likely only recently eroded during the Cretaceous and/or Cenozoic, could be a secondary source of the Southeastern Slave Craton kimberlites prior to erosion and transport by glacio-fluvial activity during the Pleistocene.

The Slave Craton is believed to have been uplifted periodically between the Silurian and Early Cretaceous times resulting in subaerial erosion of bedrock (Stott et al., 1993). Further, apatite (U-Th)/He thermochronometry studies across the Slave Craton indicate significant volumes of Phanerozoic material has since been eroded and transported elsewhere (Ault et al., 2009, 2013). Although we do not know how far east the western passive cratonic margin was during these time periods, fluvial and/or deltaic (marine) systems could very likely have transported eroded material from Slave Craton kimberlites towards the west-southwest to the passive margin of the continent; any kimberlitic material could have been deposited as shoreline sediment along the passive margin during the Silurian through Late Jurassic times. Presently, Silurian and Devonian strata lie below Quaternary deposits in the entire eastern-northeastern CMV region (Figure 1.1). These sedimentary rocks could have been a secondary source of material from Slave Craton kimberlites prior to the Cretaceous and/or Quaternary when they could have been eroded and transported by glacio-fluvial activity. However, paleogeographic reconstructions indicate fluvial systems transported eroded detritus away from the CMV, east across the Slave Craton towards Hudson Bay, during the Paleogene and Neogene (Duk-Rodkin and Hughes, 1994; Dixon, 1999; Duk-Rodkin and Lemmen, 2000), which rules out fluvial transport of kimberlitic material from these kimberlites (Figure 2.15) into the CMV. Moreover, in general, flat-lying sedimentary

strata, such as that found in the CMV are poor environments for localised KIM enrichment (e.g., Marshall and Baxter-Brown, 1995).

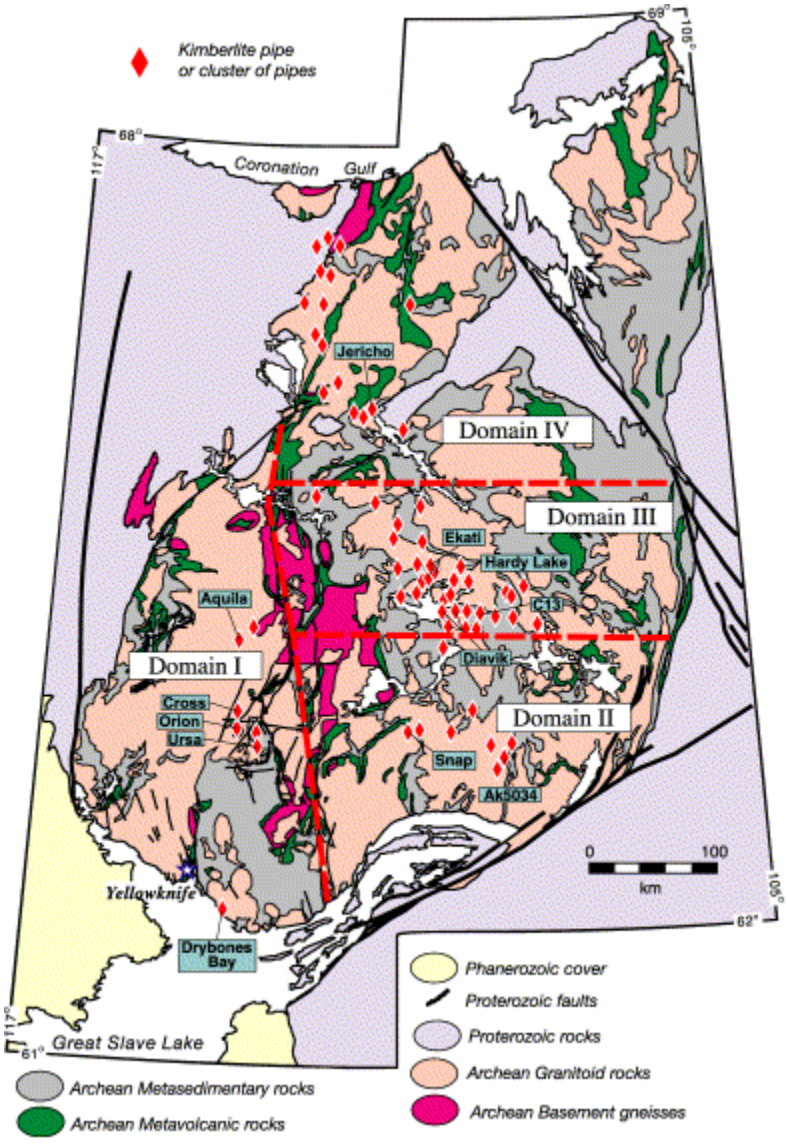

Figure 2.15 Map of regional geology and location of most known kimberlites in the Slave Craton, Canada. Kimberlites locations are indicated with small red diamonds. Existing (Diavik, Ekati and Gahcho Kué – Ak5034) or previously operated (Jericho, Snap Lake) diamond mines are also shown. The Slave Craton can be subdivided into four kimberlite domains (denoted I–IV) separated by heavy dashed lines: (I) a western Siluro-Ordovician domain, (II) a southeastern Cambrian domain, (III) and a central Tertiary/Cretaceous domain centered around Lac de Gras and (IV) a northern domain dominated by Jurassic and Permian kimberlites (figure from Heaman et al., 2003).

From the Late Jurassic through to the Pleistocene, fluvial transport is indicated to have been from the rising Cordilleran mountains to the west of the CMV across the Slave Craton towards the Labrador Sea (Duk-Rodkin and Hughes, 1994; Duk-Rodkin and Lemmen, 2000). The highest concentrations of KIMs (including diamonds) in alluvial deposits typically result from transgressive (flooding) marine cycles, instead of regressive cycles which tend to be less concentrating and gradational (e.g., Marshall and Baxter-Brown, 1995).

Studies of indicator mineral glacial dispersal trains/fans indicate typical maximum transport distances of up to 180-200 km (e.g., McClenaghan et al., 2002; McClenaghan, 2005) making transport of large concentrations of kimberlitic material (even kimberlitic boulders) from these kimberlites over large distances very unlikely. Ice streams could have influenced dispersal of Horn Plateau KIMs (e.g., Margold et al., 2015), although there is no field evidence for these features to the east-northeast of the Horn Plateau area or anywhere on the Slave Craton. Regional ice-flow of the Laurentide Ice Sheet was towards the southwest during the last glacial maximum (Fulton, 1995). Material from Slave Craton kimberlites could have been solely eroded and transported by Late Pleistocene glacial and/or glaciofluvial systems into the CMV. Although typical maximum transport distances of glaciers are less than the 200-600 km distance between these discovered kimberlites from the Slave Craton and the Horn Plateau, the distance is still plausible, considering the large influence of meltwater channels in the eastern CMV regions.

2.5.4 Potential kimberlite sources of Horn Plateau KIMs

A key question is whether these Horn Plateau KIM populations were derived from proximal kimberlites within the CMV/Horn Plateau or distal sources, for instance, from diamondiferous kimberlites on the Slave Craton. Following the discovery of economic diamondiferous kimberlites in the Lac de Gras area, it was thought that the Horn Plateau KIMs were glacially

transported south-westward from the Central Slave Craton (e.g., Day et al., 2007; Mills, 2008 and references therein). Besides strong similarities in the excellent diamond potential indicated by Horn Plateau KIM major element chemistry to Central Slave Craton datasets, one of the main arguments for a distal origin was the large amount of glacial debris, including granitic boulders of presumed Slave Craton origin, throughout the CMV (Day et al., 2007; Mills, 2008). Most of these granitic glacial erratics have, however, not been dated, leaving the possibility that they may be derived from more proximal source regions, such as the Wopmay Orogen.

2.5.5.1 Central Slave Craton kimberlites

The Central Slave Craton kimberlites (> 500 km northeast of the Horn Plateau) were emplaced largely between Late Cretaceous to Eocene times (75-45 Ma; Heaman et al., 2003; Creaser et al., 2004; Sarkar et al., 2015). Quaternary transport by glacial (-fluvial) activity is the only possible mechanism for transporting material from these kimberlites towards the southwest into the CMV. Mg-ilmenites from till samples in the eastern Horn Plateau (Last Stop Claims; n = 56) and those from the Central Slave Craton surficial samples primarily from the MgO- and Cr_2O_3-rich suite suggest the source of these grains may be outside the CMV, to the northeast, possibly from the Central Slave Craton area. Moreover, Cr-diopside chemistry (Figure 2.2) and pressure-temperature estimates (Figure 2.11) and peridotitic garnet major, minor and trace element chemistry (Figures 2.4, 2.9) are remarkably similar to those from the Central Slave Craton kimberlites dataset.

Distinct spinel major element chemistry variations and lack of eclogitic (G3, G4) and megacrysts (G1) garnets relative to Central Slave Craton kimberlites, led Mills (2008) to suggest Ekati Lease Block (Lac de Gras area) kimberlites are not the source of the Horn Plateau kimberlite-related

spinels. This is corroborated from the analysis of Horn Plateau spinel chemistry during this study which lacks the TiMAC to MUM spinel compositions abundant in Central Slave Craton kimberlites (Roeder and Schulze, 2008; Bussweiler et al., 2015).

Re-constructed lithospheric stratigraphy of Horn Plateau garnets is slightly different to that of Central Slave Craton kimberlites. Specifically, the lithosphere below the Central Slave Craton consists of two compositional layers: a shallow (≤ 140 km) ultra-depleted layer dominated by harzburgite and a deeper more fertile layer dominated by lherzolite (Griffin et al., 9a; Menzies et al., 2004). These two layers are reflected in the distribution of xenolithic olivine mg#, with a lower mg# peak belonging to lherzolites and a higher peak representing harzburgites (Pearson and Wittig, 2008). The Horn Plateau KIM data lacks the distinct ultra-depleted shallow (90-140 km) layer chemistry that characterises the mantle beneath that region (e.g., Griffin et al., 1999a; Menzies et al., 2004). Further, > 20 % of the Horn Plateau G10 grains equilibrated at depths ≥ 150 km (> 1000 °C; Figure 2.12; Appendix, Table D.2), whereas relatively few G10s from the Central Slave lithosphere, in published datasets (e.g., Grütter et al., 1999a), have yielded depths deeper than this ultra-depleted shallow layer. Furthermore, the mantle stratigraphy of the few analyzed CMV garnet-peridotite olivine grains does not correlate with these observations, with many Trout Lake and Horn Plateau olivines grains with mg# ≥ 0.92 equilibrating at higher temperatures (≥ 1050 °C) typical for the ultra-depleted layer in the Slave lithosphere and all except two grains with lower temperatures (800-1050 °C) containing mg# values < 0.92 (Figure 2.11).

2.5.5.2 Southeastern Slave Craton kimberlites

The Cambrian Southeastern Slave Craton kimberlites could be a source of the Horn Plateau KIMs. Eroded material from these kimberlites could have been fluvially transported towards the CMV in the west from the Cambrian to Jurassic times. Petrogenetic studies of the Snap Lake and Gahcho Kué kimberlites have yet to discover sedimentary xenoliths and clasts (Caro et al., 2004; Hetman et al., 2004), suggesting these kimberlites erupted in a subaerial (i.e., non-marine) environment. Fluvial transport of kimberlitic material (boulders, cobbles, grains) > 450 km into the Horn Plateau region from these kimberlites during the Paleozoic would have been viable.

KIMs from the Southeastern Slave Craton kimberlites lack the low-Cr_2O_3 G10s found in the Horn Plateau region and have G9s with higher-Cr_2O_3 (12-16 wt%; Griffin et al., 2004) which are almost completely absent from the Horn Plateau peridotitic garnet population. As well, Cr-diopside P-T estimates from these kimberlites indicate a much colder (steeper) geotherm and thicker lithosphere (220-250 km; Grütter, 2009) at the time of emplacement, inconsistent with Horn Plateau clinopyroxene thermobarometry results. These differences, along with ideal transport conditions and preservation of KIMs in sedimentary strata suggest they very unlikely to be the source of any of the Horn Plateau KIMs.

2.5.5.3 Western Slave Craton kimberlites

There are nine discovered Ordovician-aged kimberlites in the Western Slave Craton (Kjarsgaard and Levinson, 2002; Heaman et al., 2003), approximately 300-350 km northeast of the Horn Plateau (Figure 1.1). The amount of available KIM chemistry from these kimberlites is extremely limited (e.g., Pell, 1997). Only peridotitic garnet major, minor and trace element

chemistry from the Aquila, Cross, Orion and Ursa kimberlites have been published (Griffin et al., 2004). These kimberlites have similar percentages of G9 and G10 grains and the same high-Cr_2O_3 (up to 15 wt%) G9 and G10 grains as those from the Horn Plateau KIMs (Figure 2.4). Ni-in-garnet temperatures for these grains also cover similar ranges with the majority between 900-1200 °C with corresponding Y and Ti contents (Figure 2.9a; Griffin et al., 2004). The similarities between Horn Plateau KIMs and those from Western Slave Craton kimberlites and surficial samples suggests a similar kimberlitic source for some of the Horn Plateau KIMs.

KIMs from these kimberlites do however lack low-Cr_2O_3 G10 grains (Figure 2.4) indicating either these grains have not been analyzed or, more likely, that these kimberlites do not represent the sole source of the Horn Plateau peridotitic garnet grains. Limestone xenoliths in the Cross kimberlite indicate the western Slave Craton was buried by sedimentary rocks at the time of eruption in the Ordovician (Pell, 1997). Fluvial transport would therefore not be a viable mechanism for transporting material from these kimberlites into the Horn Plateau unless it was when the craton was believed to have been subaerially exposed for great lengths between the Silurian and Early Cretaceous (Stott et al., 1993).

Although we do not know how far east the western passive cratonic margin was during this time, the possibility of fluvial and deltaic systems transporting eroded western Slave Craton kimberlitic material into the CMV remains viable. KIMs could have been deposited in Silurian and Devonian strata throughout the northeastern Horn Plateau and then selectively eroded from these sedimentary rocks and dispersed only more recently during Paleogene to Quaternary times. Material from these kimberlites could have been eroded and transported to the southwest following regional ice-flow of the Laurentide Ice Sheet and/or Pleistocene glaciofluvial systems into the CMV. Although typical maximum transport distances (< 180 km; McClenaghan, 2005;

McClenaghan et al., 2002) of glaciers are slightly less than the 200-300 km distance between these kimberlites and the Horn Plateau, the distance is still plausible, considering the high-influence of meltwater channels and supposed ice-streams (e.g., Margold et al., 2015) in the CMV region.

2.5.5.4 Southwestern Slave Craton kimberlites

Major and minor chemistry of KIM grains from the Silurian Drybones Bay kimberlite (Figure 1.1) is similar to some of the Horn Plateau KIMs (Figures 2.2, 2.4, 2.6). In addition, KIM chemistry from surficial samples in the immediate area to the Drybones Bay kimberlite indicate other undiscovered kimberlites likely exist in the southwestern Slave Craton area (Kerr et al., 2000).

Present lithosphere thicknesses of 180-200 km, inferred from seismic tomography for the Southwestern and Western Slave Craton (Figure 1.1; Schaefer and Lebedev, 2014), are nearly identical to lithosphere thickness estimates based on Horn Plateau Cr-diopside (190-210 km; Figure 2.11). Viable transport mechanisms (glacial and/or fluvial), distances (< 300 km) and directions (west-southwest), as well as KIM chemistry similarities, suggest some of the Horn Plateau KIMs could be sourced from kimberlites in the Southwestern Slave Craton area.

2.5.5.5 HOAM project kimberlites

Besides the HOAM project kimberlites, located 25-50 km southwest of the Horn Plateau and directly north-northwest of Trout Lake region (Figure 1.1), there are no other known kimberlites in the vicinity. Olivut Resources Ltd. report intersecting 29 kimberlites (two diamondiferous) from 39 drill holes on their Liard properties (Pitman, 2014), with uppermost diatreme and possibly crater facies (kimberlitic breccias and tuffs), as well as deeper root zone features

(hypabyssal facies and abundant dikes) indicated. The locations and depths of drill holes that intersected kimberlites in the Liard properties (Figure 1.1; Pitman, 2014), when correlated with bedrock stratigraphy, suggest Early to Late Devonian kimberlite emplacement ages.

Although KIMs from some of these kimberlites may have dispersed in the nearby sediment (both Pleistocene glacial and Phanerozoic sedimentary strata), the typical till thickness and depths of intersection with these bodies (Pitman, 2014) suggest the KIM signatures found in nearby streams and tills would be extremely diluted, if at all present. Furthermore, both regional ice-flow and modern fluvial transport directions are towards the west/northwest through the locations of these kimberlites, indicating any dispersal of KIMs from these kimberlites would be further west than the two areas. This is corroborated by exploration reports by Olivut Resources which delineated dispersal patterns from Martin Hills up-ice back to the Liard properties (Pitman, 2014).

2.5.5.6 Undiscovered CMV kimberlites

An abundance of Horn Plateau KIMs are found in streams on the Horn Plateau itself or directly draining it where till domains with proximal clast lithology are indicated (Mills, 2008 and references therein). Cretaceous sedimentary strata lie beneath overburden on the plateau, while Devonian-aged sedimentary rocks subcrop in the surrounding area. These sedimentary rocks within the CMV could host primary source kimberlites and/or secondary sources for these KIMs. The CMV region has similar present-day lithospheric thicknesses (180-200 km based on seismic tomography; Figure 1.1), in perfect agreement with the lithosphere thickness (190-210 km; Figure 2.11) derived from Horn Plateau Cr-diopsides. In addition, the presence of abundant fresh olivine which typically alters in surficial environments suggests either the grains were only

recently disaggregated from a kimberlite boulder, cobble, etc. or the source of these grains is relatively proximal.

Devonian-Cretaceous aged kimberlites which were emplaced in the presently occupied Devonian-aged strata surrounding the plateau would have been significantly eroded since emplacement, suggesting only root zones (i.e., hypabyssal facies) would be preserved. Whereas, the preservation of Cretaceous-aged strata on the Horn Plateau would suggest less erosion of any kimberlite bodies with similar or younger age as the sediments (i.e., Early-Late Cretaceous and Eocene) within this area. Moreover, any emplaced kimberlites on the Horn Plateau would likely be larger with potentially preserved crater and/or diatreme zones that would increase the chances of discovery, as well as possibly improved diamond potential.

The largest quantities of analyzed peridotitic garnets, with extremely high proportions of Ni-in-garnet temperatures > 950 °C, are found in samples proximal (< 25 km) to these Cretaceous clastic sediments on the southwestern and eastern portions of the Horn Plateau (Appendix, Figure G.1). Derived from the same watershed are 14 grains (from 13 samples) giving Al-in-olivine temperatures between 950-1100 °C and 17 Cr-diopsides grains (from 12 samples) with temperatures all > 950 °C (Appendix, Figure G.1). This area coincides with the north-trending Bulmer Lake gravity high (Figure 1.1), which is suspected to be a Precambrian faulted contact that was re-activated during the Late Cretaceous. Seismic surveys also indicate dominant northeast-trending and subsidiary northwest-trending faults that were also likely re-activated during this time (Aitken, 1993; Gal and Lariviere, 2004 and references therein). Such faults may have facilitated kimberlite emplacement in the Horn Plateau region.

This same area on top of the Horn Plateau could also be a secondary (sedimentary) source region for some of the Horn Plateau KIMs. In addition, to the northeast of the plateau (near Lac la

Martre) sub-cropping below moderately thick glacial deposits (50-80 m; Cragie, 1991) are Cambrian-Silurian aged sedimentary rocks (Figure 1.1) which could host primary kimberlites and/or be a secondary source for some Horn Plateau KIMs. They lie directly up-ice of regional ice-flow directions (~ 100 km northeast of the Horn Plateau).

2.6 Conclusions

Analysis of KIMs from the two CMV areas has resulted in a large, new geochemical dataset for an underexplored area of the Northwest Territories. These geochemical data provide new constraints on the diamond potential for future exploration within the region. The kimberlite source of the KIMs from the Trout Lake region sampled predominantly shallow portions of lithospheric mantle although no definitive constraints on the depth of the lithosphere can be made from current results. In contrast, KIMs from the Horn Plateau region have significant diamond potential, with a relatively high proportion of harzburgitic diamond-facies (G10D) garnets and many of the analyzed KIMs deriving from the diamond stability field. A ca. 200 km thick lithosphere beneath the kimberlites sourcing the Horn Plateau KIMs, as determined from clinopyroxene thermobarometry, is at least consistent with present-day seismology constraints of the region (Figure 1.1).

Major, minor and trace element compositions of Horn Plateau KIMs suggest they were derived from at least two kimberlite sources. These results are consistent with past major-element based studies of Horn Plateau KIMs that suggested the grains were likely sourced from at least two kimberlitic sources (one proximal and one distal) based on their grain morphology, major element chemistry and dispersion patterns (Day et al., 2007; Mills, 2008). Comparative geochemistry and statistical tests, coupled with KIM surface textures (Mills, 2008), till lithology domains (Mills, 2008), pre-glacial bedrock distributions (Meijer Drees, 1993; Duk-Rodkin et al., 1994) and ice-flow records (Fulton, 1995), allow us to exclude some Slave Craton kimberlites (specifically the Lac de Gras field) as the only possible sources of Horn Plateau KIMs and instead highlight the southern/western Slave Craton area as a potential source for some of the KIMs. The KIM populations are, however, clearly mixed and permit more local sources. The

incompletely resolved Quaternary history of the area remains a primary obstacle to locating the kimberlite source(s) of any proximal Horn Plateau KIM population(s). Until Horn Plateau chromite, peridotitic garnet and olivine populations can be geochemically distinguished from other Southwestern and/or Western Slave Craton kimberlites, the potential for undiscovered kimberlites within the CMV remains possible and even likely.

Chapter 3: Kimberlite geochronology using U-Pb and Hf isotope compositions of oxide minerals

3.1 Introduction

3.1.1 Kimberlite geochronology

Reliable estimates of xenolith residence time and host magma temperatures are key to understanding the effects of volcanic exhumation on isotopic age systematics. Magma ascent rates for kimberlites can generally be considered a rapid process. The typical presence of diamonds and abundant xenoliths (up to 1 m in diameter) imply that eruption rates are fast enough to transport xenoliths from the lower crust and upper mantle depths. Kimberlite emplacement rates have been defined on the order of hours to days by dynamic calculations and experimental studies (e.g., Canil and Fedortchouk, 1999; Rutherford, 2008; Russell et al., 2013).

The absolute age of kimberlite emplacement (or eruption) is typically determined by Rb-Sr (phlogopite) or U-Pb (perovskite, zircon) geochronology methods (e.g., Heaman et al., 2013; Sarkar et al., 2015). While these methods are the gold standard for kimberlite geochronology, the sample material (e.g., perovskite, phlogopite, zircon, etc.) and sample sizes (e.g., > 50 μg; up to 200 perovskite grains) they require are not readily available in surficial deposits typically sampled in diamond exploration. In part, this is because the necessary minerals (phlogopite, perovskite, zircon, etc.) only occur as minor or trace constituents in kimberlite and are easily altered and/or destroyed by surficial weathering and transport processes.

For example, perovskite becomes unstable in a CO_2-rich, weakly acidic environment (Mitchell and Chakhmouradian, 1998). During the final evolutionary stages of kimberlite emplacement, perovskite is frequently resorbed and/or altered by cation leaching and replacement by late-stage Ti-bearing minerals (e.g., ilmenite, rutile, titanite; Chakhmouradian and Mitchell, 2000). Therefore, most diamond exploration in northern Canada cannot employ these geochronologic methods for determining the emplacement ages of undiscovered kimberlites; only once a kimberlite has been discovered and sampled – through difficult and expensive exploration programs – will its absolute age be determined.

3.1.2 Rutile as an indicator mineral for diamond exploration

Rutile is a common accessory mineral found in a wide-range of crustal lithologies and igneous rock types (e.g., alkaline intrusions, eclogites, kimberlites, metasomatized peridotite xenoliths, pyroxenites; Force, 1980; Meinhold, 2010). As well, it is found as inclusions in diamonds. Partly due to the large abundance of host-rocks from which rutile may be derived, it has been widely used as a petrogenetic indicator for source-rock characterization (e.g., Meinhold, 2010; Malkovets et al., 2016). Furthermore, like diamond, zircon and other oxides, rutile is one of the minerals most resistant to chemical and physical weathering and frequently accumulates in heavy-mineral concentrates from surficial deposits. However, the inability to reliably distinguish kimberlite-related rutile from grains associated with other crustal and mantle sources recovered from surficial deposits currently hinders its use as a robust KIM.

Some studies have attempted to recognize kimberlite-related rutiles based on their chemical compositions (e.g., Ti-Cr contents; Malkovets et al., 2016), while other studies of Cr-rich rutile from mantle-derived alkaline magmatic rocks have made connections between metasomatism and mantle xenoliths (e.g., Haggerty, 1991; Konzett et al., 2013; Malkovets et al., 2016); in turn,

this mantle metasomatism has been linked to the formation of other Ti-bearing phases, as well as notably both diamond and Cr-pyrope garnets in the cratonic lithospheric mantle (e.g., Griffin et al., 1999b; Stachel and Harris, 2008). Moreover, rutiles from a wide range of metasomatized mantle xenoliths and xenocrysts from kimberlites with high Cr_2O_3 contents (< 10 wt%) have been interpreted as fragments of previously depleted cratonic mantle peridotites (Haggerty, 1991). Meanwhile, other incompatible elements (e.g., Ti, Fe, Nb) found in kimberlite-related rutile are believed to have been introduced by metasomatic fluids and/or melts (Griffin et al., 1999b).

3.1.3 U-Pb dating of rutile

Despite its common occurrence, rutile has so far received less attention as a geochronometer than zircon, perovskite and monazite. One major reason is low U concentrations in many rutiles (as low as 0.01 ppm) which have led to numerous discouraging and unsuccessful U-Pb dating attempts. Furthermore, the traditional isotope dilution-thermal ionization mass spectrometry (ID-TIMS) method of dating rutile is challenging because rutile often has retrograde black ilmenite rims and ilmenite mineral inclusions, both with high proportions of common Pb. Common Pb is not derived by radioactive decay from Th and U in the target phase, but rather incorporated in the phase during crystallization or added later as a contaminant (e.g., Meinhold, 2010 and references therein). Rutile U-Pb dating studies have consequently shifted to single grain in-situ techniques that yield precise results (e.g., Vry and Baker, 2006; Birch et al., 2007; Zack et al., 2011) with the prior use of backscattered electron (BSE) or cathodoluminescence (CL) images of polished rutile grains to indicate variations in the geochemical composition within grains (e.g., Birch et al., 2007).

Empirical studies indicate there to be negligible Pb loss (< 0.25 %) in rutile and that isotopic diffusion of Pb/U is primarily controlled by its closure temperature (T_C = 400-500 °C; Mezger et al., 1989; Blackburn et al., 2011). This relatively low closure temperature for Pb in rutile is less than the estimated equilibration temperatures of Cr-rich rutile from metasomatized mantle xenoliths (Cherniak, 2000) indicating the U-Pb isotopic ratios will predominantly preserve kimberlite emplacement ages. This is corroborated by studies of U-Pb isotope signatures of rutiles from kimberlite concentrate that determined the emplacement age of a kimberlite (e.g., Heaman et al., 2006; Malkovets et al., 2016). U-Pb dating of detrital rutile grains from exploration samples (alluvial, till) has the potential to be an efficient method of inferring the age of eroded kimberlites that supplied them, especially when other mineral phases (phlogopite, perovskite, zircon) are not available.

3.1.4 Kimberlitic ilmenite

Ilmenite ($(Fe,Mg,Mn,Ti)O_3$) is a major Fe-Ti oxide mineral that generally crystallizes in a narrow range of pressure and temperature, occurring in kimberlitic and non-kimberlitic igneous (gabbros, norites, granites, anorthosites) and metamorphic (orthogneiss) rocks. It is easily identifiable and extremely resistant to chemical and physical weathering at Earth's surface. In particular, Mg- and Cr-rich varieties of ilmenite are important constituents of most kimberlites worldwide and readily distinguished, based on their TiO_2 and MgO contents, from non-kimberlitic magmatic ilmenites commonly recovered from surficial deposits (Sobolev, 1977; Wyatt et al., 2004).

Kimberlitic (Mg-)ilmenites have been interpreted to be derived from multiple sources: the megacryst suite of discrete xenoliths, those intergrown with megacrysts, the mica-amphibole-rutile-ilmenite-diopside (MARID) suite of xenoliths, primary grains from disaggregated

peridotite and groundmass and phenocrysts in host magma (Dawson and Smith, 1977; Mitchell, 1977; Schulze et al., 1995; Dawson et al., 2001). Unfortunately, ilmenite is extremely uncommon as an inclusion in diamond, making a genetic correlation between them currently undetermined (e.g., Meyer and McCallum, 1986; Stachel et al., 1998). Although there is a large disparity in the knowledge of the petrogenetic nature of kimberlitic ilmenite, it remains one of the key KIMs readily found in surficial sampling programs. Moreover, (Sr-Nd-Hf) radiogenic isotopic compositions of megacryst phases from kimberlite have been linked to their host kimberlite, suggesting they are either related to them or at least share the same source region (Nowell et al., 2004).

Major and minor element variations of kimberlitic ilmenites have been (and still are) used to infer petrogenetic and geochemical relations regarding the oxidation state of kimberlites and the nature of megacryst parent magma fractionation processes (e.g., Moore et al., 1992; Schulze et al., 1995). Kimberlitic megacryst ilmenites have been shown to precipitate late in the crystallization history of the Cr-poor megacryst suite within a fractionating magma system during a wide range of declining temperatures under essentially isobaric conditions with subsequent co-precipitation of ilmenites (silicates and possibly carbonates) continually less Mg- and Cr-rich (Gurney et al., 1979; Moore et al., 1992).

3.1.5 Lu-Hf isotopic system

Although there have been many geochemical, mineralogical and petrological studies of various worldwide kimberlitic ilmenite populations, only Nowell et al. (2004) have incorporated isotopic compositions of these mantle specimens. Fe-Ti oxide minerals, such as ilmenite, are particularly favourable for Lu-Hf isotope studies, because of the high compatibility of high field strength elements (HFSE; i.e., Hf) compared to rare earth elements (REE; i.e., Lu) (Klemme et al., 2006).

Hf has a typical +4 valence, behaving geochemically most similar to Zr and other HFSE (e.g., Ti). As such, Hf^{4+} readily replaces Ti^{4+} (and other HFSE; i.e., Zr) in ilmenite, causing Hf to be present at moderate to high abundances (10-50 ppm), while Lu exists at relatively low levels (0.001-0.1 ppm; Nowell et al., 2004). The particularly high Hf contents and very low Lu/Hf ratios of megacryst ilmenites, thus allow the precise estimation of the initial $^{176}Hf/^{177}Hf$ isotope ratio of the host kimberlite (e.g., Nowell et al., 2004). Furthermore, Lu-Hf has larger fractionations and higher closure temperatures and thus, more reliable age constraints, compared to Sm-Nd. Moreover, Hf is a relatively immobile element, especially in ilmenite. Therefore, even when silicate phases (e.g., garnet, phlogopite) and the host kimberlite are badly weathered, valuable isotopic information can still be obtained. The radioactive decay of ^{176}Lu by beta emission to stable ^{176}Hf (half-life = 37.17 Ga; Scherer et al., 2001) makes it especially important for dating geological events and understanding the chemical evolution of the mantle-crust systems throughout Earth history (e.g., Blichert-Toft and Albarède, 1997; Nowell et al., 2004).

3.1.6 Analysis of Hf isotopes in ilmenite

Primarily because of recent analytical advances, especially the advent of multi-collector inductively coupled plasma mass spectrometer (MC-ICP-MS), it has become possible to systematically perform high-precision radiogenic isotope ratio measurements of the HFSE (Zr, Hf, Nb, Ta) (e.g., Blichert-Toft et al., 1997; Nowell et al., 2004). As such, the number of Hf isotope studies have increased since the advent of plasma source mass spectrometry (i.e., MC-ICP-MS), which unlike traditional thermal ionization mass spectrometry (TIMS), overcomes the inefficiencies and difficulties of elements with high first ionization potentials (i.e., HFSE; Hf). In turn, MC-ICP-MS methods require less sample material to be analyzed, while also providing

greater precision and maintaining the advantages of a conventional mass spectrometer (magnetic sector, multi-collector configuration (e.g., Blichert-Toft et al., 1997; Munker et al., 2001).

The combination of a conventional magnetic, multi-collector setup with the additional sensitivity of the 2nd-generation Neptune Plus MC-ICP-MS in the CCIM Arctic Resources Laboratory, has allowed the precise analysis of Hf isotope compositions from single, small (> 1 mm-sized) ilmenite grains commonly recovered in surficial sampling programs. However, even with this technology there remain challenges: (1) the formation of interfering polyatomic species in the plasma negatively affects data precision and (2) Ti in the analyte suppresses the ionization of Hf, inducing matrix-dependent changes of mass bias behaviour (Chu et al., 2002). Thus, prior to analysis of ilmenite solutions by MC-ICP-MS, samples need to be chemically purified for elements of interest (i.e., Hf) by column chromatography. Performing this chemical purification ensures that the Ti concentration is < 1 mg/g in the measured solution, thus allowing more reliable Hf isotopic data to be obtained.

This research attempts to improve existing knowledge of kimberlitic ilmenite Hf isotopic signatures and potentially prove its reliability as an emplacement age estimator for exploration purposes. Along with the CMV elemental geochemical data, isotopic compositions from kimberlite-related ilmenites and rutiles collected from the two areas will be used to understand the emplacement ages of their source kimberlite(s). Analysis of recovered CMV kimberlite-related oxides for their (Hf and U-Pb) isotopic signatures will improve our understanding of the source kimberlite emplacement ages for these grains and aid future diamond exploration efforts within this relatively unexplored region of the Northwest Territories.

3.2 Samples

3.2.1 CMV rutiles

A collection of rutile grains (n = 291) recovered from Trout Lake till samples were picked, cleaned and made into a grain mount for analysis of their major and minor element concentrations. The rutile grains range in sphericity from rounded to sub-angular with diameters of approximately 200-400 μm. The rutile grains are transparent to opaque in appearance with brownish- to reddish-orange hue. Only four Horn Plateau rutile grains were retrieved and previously analyzed for major and minor element concentrations (Day et al., 2007).

3.2.2 Kimberlitic ilmenites

The large (1.0-2.0 mm size fraction) Horn Plateau Mg-ilmenite grains (n = 22) were selected based on necessary minimum Hf abundances needed for analysis (~ 0.5 ng). The four kimberlitic ilmenites recovered from the Trout Lake (all from the 0.25-0.5 mm size fraction) were originally selected for analysis of Hf compositions, however, due to insufficient size, the analysis of these grains did not produce reliable Hf isotopic compositions.

In addition, a collection of Mg-ilmenites from primarily Group I kimberlites (Smith et al., 1985) with known emplacement ages between ~ 700-30 Ma from seven Archean cratons and Proterozoic terranes (Kaapvaal, Northern Churchill, Rae, Sask, Siberian, Slave and Superior) were used to try to constrain possible crystallization ages or age ranges of Horn Plateau Mg-ilmenites, based on their Hf isotope compositions. Samples used for Mg-ilmenite Hf isotopic analysis were provided as grain mounts, picked grains, hand samples or drill core. The complete list of kimberlite sample localities, emplacement ages and kimberlite geochronology methods used for reference are in the Appendix, Table I.1.

3.3 Methods

The EPMA methodology and results for the Horn Plateau and Trout Lake kimberlitic grains are discussed in Chapter 2 (Appendix, Table B.5).

3.3.1 Rutile EPMA

Quantitative EPMA of Trout Lake rutile grains were conducted on a CAMECA SX-100 fitted with 5 wavelength-dispersive spectrometers at the Department of Earth and Atmospheric Sciences, University of Alberta. The compositional analyses were acquired by WDS at a 40-degree takeoff angle, 20 kV accelerating voltage, a 20 nA beam current and using a fully focused beam. Elements were acquired using LLIF (for Fe, Mn, Zn), PET (for Ti, Cr, Ca, V), LPET (for Zr, Nb), PET (for Ti, Cr, Ca, V), LPET (for Zr, Nb) and LTAP (for Al, Si, Mg) crystal setup and count times of 30 s for Mg (Kα), Ti (Kα), Fe (Kα), Al (Kα), Mn (Kα), Si (Kα), Zn (Kα) and 50 s for Zr (lα), Ca (Kα), Nb (lα), V (Kα) and Cr (Kα). Standards used for calibration are same as used for ilmenite (see Chapter 2). Interference corrections were applied to Nb for interference by Mn, to Cr for interference by V, to Mn for interference by Cr and to V for interference by Ti following techniques outlined in Donovan et al. (1993).

Data reduction was performed using the CITZAF correction (Armstrong, 1988) on Probe For Windows software (Donovan et al., 2007), along-side lower limit of detection filters following the method of Potts (1992). Detection limits for all rutile analyses ranged from 0.06 wt% for ZrO_2 to 0.01 wt% for CaO at the 99 % confidence level. All sample results are from single analyses of each grain during one analytical session (Appendix, Table H.1). Following this,

secondary electron (SE) and backscattered electron (BSE) images of the entire rutile grain mount were made on the same instrument to ensure the reliability of U-Pb isotope compositions.

3.3.2 Rutile U-Pb isotopic analysis

Following EPMA, the carbon coating was removed from the rutile grain mount (20166) and was polished at the Thin Section Laboratory, University of Alberta, prior to in-situ LA-ICP-MS U-Pb dating of rutiles in the Arctic Resources Laboratory, University of Alberta. Select TLSA rutile grains (n = 54) were analyzed for U-Pb isotopic ratios on the same instrument as the garnet and olivine trace-element characterization. The setup for LA-ICP-MS U-Pb dating has been described in detail by Jackson et al. (2004). However, some important characteristics and modifications for rutile U-Pb isotopic analysis (Zack et al., 2011) were implemented in this study: (1) matrix matching, necessary for robust in-situ dating is fulfilled by calibrating and testing several rutile standards, including the presentation of new TIMS ages for rutile standards and (2) initial common Pb (Pb not derived by radioactive decay from Th and U in target phase; either being incorporated in the phase during crystallization or added as a contaminant) corrections were routinely applied when necessary via ^{204}Pb or ^{208}Pb – made possible due to extremely low Th/U ratios (usually < 0.003) in most rutiles.

Rutile grains with a diameter greater than 90 μm were chosen for in situ U–Pb dating and inspected by polarized microscope and BSE images to avoid alteration mineral growth zones, as well as crack- and inclusion-free grains. Selected rutile grains were ablated using a 75 μm spot size at a 5 Hz repetition rate and energy of 120 mJ and 11.4 % attenuation (equivalent to an energy of around 8 J/cm^2). The instrument was tuned daily, first on the NIST SRM 612 glass standard and then on the R10 rutile standard by monitoring the sensitivity of ^{238}U, ^{206}Pb and ^{204}Pb (or UO %). The ablation was performed with only He gas, which allows efficient sample

transport, signal stability and reproducibility of U-Pb fractionation. Individual analyses consisted of a 30 s background delay, followed by 50 s of ablation and then a final 40 s for cell wash-out.

U–Pb ages were calculated from the raw signal data using the same Iolite software which has been shown to simultaneously detect U-Pb geochronology spatial heterogeneities and efficiently correct fractionation trends while maintaining data quality (Paton et al., 2010). It allows isotopic segments of the signal to be selected for integration and corrects the integrated ratios for ablation-related fractionation and instrumental mass bias by calibration of each selected time segment against the identical time segments for the analyses of the R10 standard rutile. Based upon observations of the data for each analytical session, the smoothed cubic splines model was selected to correct for the effects of complex downhole fractionation (e.g., Paton et al., 2010). These splines were adjusted to fit more or less strictly through each baseline analysis, giving varying degrees of weighting to individual baseline analyses, based on the calculated uncertainties of each time period (i.e., a few seconds of sporadic baseline data is given less weight than longer duration high-quality baseline).

In order to matrix match for robust in situ U–Pb dating of rutile, the well-characterized R10 rutile (1090 ± 5 Ma; Luvizotto et al., 2009; Zack et al., 2011) was analyzed in individual sessions as the primary calibration standard. Every five rutile samples were bracketed, as well as at the beginning and end of individual sessions, by R10. Additionally, the University of Alberta characterized R13 rutile was used as a secondary standard for an independent control on reproducibility and instrument stability (Appendix, Table H.2). It was analyzed after every five Trout Lake rutile sample analyses. It yielded (for all runs) a weighted average $^{206}Pb/^{238}U$ age of 514.1 ± 4.1 Ma (MSWD = 0.74) and $^{207}Pb/^{206}Pb$ age of 523 ± 26 Ma (MWSD = 0.91; both at 2σ). Both are within the analytical uncertainty at the 95 % confidence interval of the Isotope

Dilution Thermal Ionization Mass Spectrometry (ID-TIMS) accepted mean values for this standard ($^{206}Pb/^{238}U$ = 520.4 ± 1.1 Ma, $^{207}Pb/^{206}Pb$ = 536.5 ± 19.8 Ma – both 2σ; Figure 3.1).

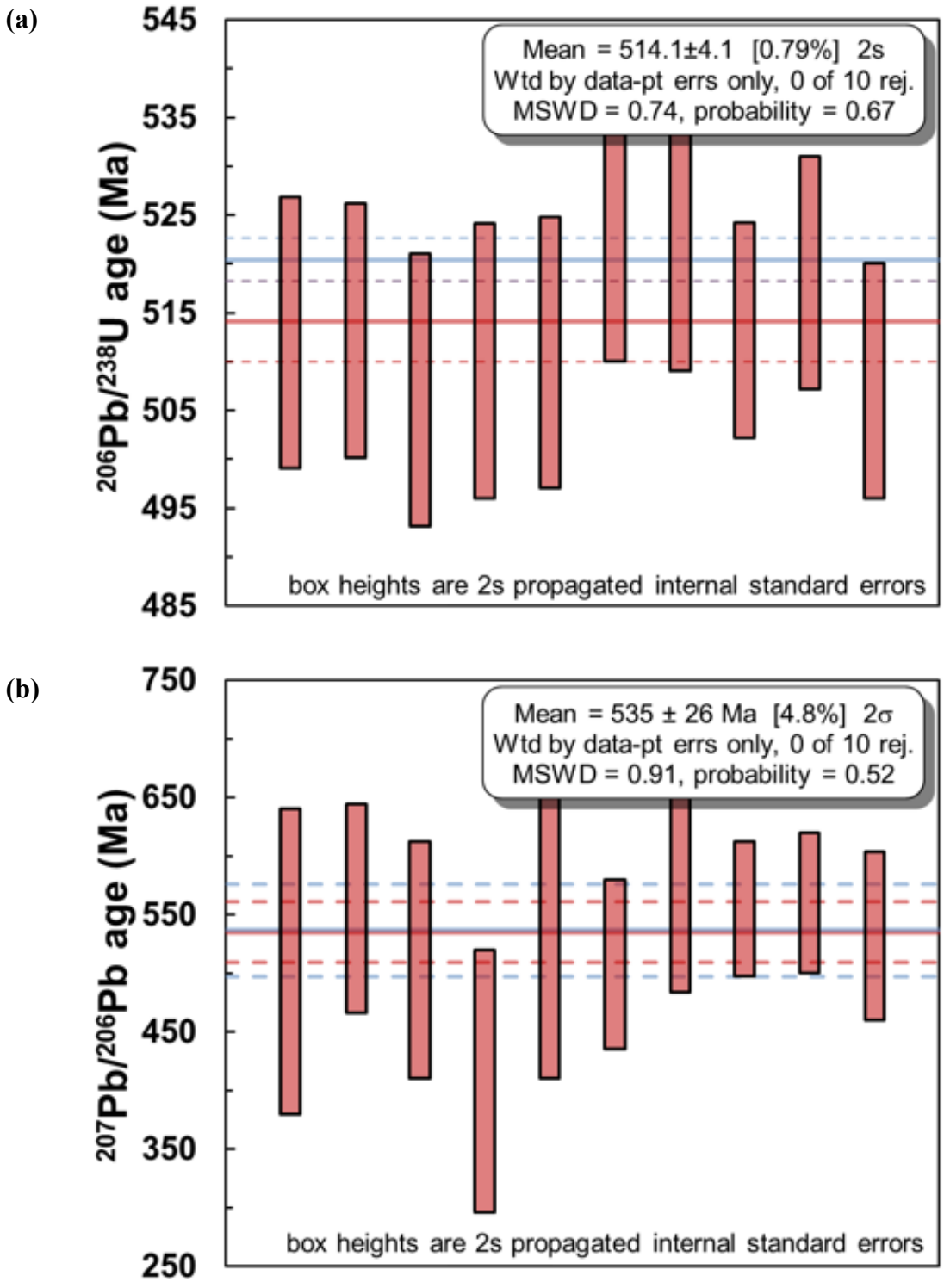

Figure 3.1 U-Pb ages for R13 rutile secondary standard over both sessions. **(a)** $^{206}Pb/^{238}U$ and **(b)** $^{207}Pb/^{206}Pb$ ages. Bold red horizontal lines represent weighted average ages, while dashed red lines represent 2σ standard deviation. Bold blue horizontal lines represent the ID-TIMS accepted mean ages, while dashed blue lines represent 2σ standard deviation.

3.3.3 Ilmenite sample preparation, digestion and Hf chemical separation

Ilmenite grains were either liberated by scalpel, microdrill or by crushing specimens individually in new plastic bags with a hammer. Grains were then cleaned of excess epoxy or matrix material before being washed in 18.2 Milli-Q (MΩ) water and placed in acetone on a hot plate at 100 °C for ~ 1 hour before examination and picking under a binocular microscope. Every precaution was taken during picking stages to avoid grains with inclusions, surface alteration and areas with signs of host-kimberlite contamination. As ilmenites are opaque, fragments with good conchoidal fractures were preferentially picked when possible. After the first picking, all ilmenite grains and fragments were again washed in 18.2 MΩ water and then leached in 6N HCl for ~ 1 hour (e.g., Morisset et al., 2014) before being washed with 18.2 MQ water a second time and re-picked.

The final ilmenite grains and fragments were weighed, rinsed in 18.2 MΩ water and air dried under fume hood before being dissolved in a 2 mL mixture of 1:3 concentrated HNO_3:HF in Teflon on a hot plate at 120 °C for 2-3 days. All grains were then dried down at 100 °C for ~ 2-4 hours, with those that formed a visible white precipitate (i.e., fluoride complex; Morisset et al., 2014) re-dissolved in 2 mL of concentrated HCl on the hot plate at the same temperature as before for ~ 1 week. These steps were all performed in the Arctic Resources Clean Laboratory and all acids used for mineral cleaning and dissolution were completed in Savillex cupola stills (e.g., Mattinson, 1972). Extensive cleaning of containers, tools and surfaces were employed to ensure little to no contamination occurred during these steps.

Dissolved ilmenite solutions were next chemically separated using an extended column chromatography approach. This is completed to first retrieve the element of interest (Hf) and secondly to remove sufficient Ti (< 1 mg/g) in the measured solution. As outlined previously, Ti

in the analyte suppresses the ionization of Hf, inducing a matrix-dependent change of mass bias behaviour (Chu et al., 2002), creating unreliable Hf isotopic data. Slightly different column chemistry procedures for the separation of Hf from ilmenite have been reported in detail elsewhere (Chu et al., 2002; Dowall et al., 2003; Morisset et al., 2014). Our adopted procedure required only one exchange column (described by Dowall et al., 2003) to remove the bulk of the matrix elements and Ti. Our procedure uses hydrogen peroxide, which raises the oxidation state of Ti and forms a yellow-tinted peroxytitanyl compound ($Ti(O\text{-}O)_{21}$) which has been shown to result in the satisfactory separation of Hf and Ti with Hf sample recovery of ~ 90 % (Chu et al., 2002). These and other modifications of laborious Hf chemical separation protocols have resulted in a simpler scheme that efficiently separates Hf from isobaric and non-isobaric interfering elements to ensure enough Hf (and < 95 % Ti) is left for improved internal and external reproducibility of isotopic measurements (e.g., Blichert-Toft et al., 1997).

3.3.4 Ilmenite Hf isotopic composition analysis and standards

Purified solutions of kimberlitic ilmenite grains were analyzed for Hf isotopic signatures by multi-collector (MC-)ICP-MS. Instrument analytical protocols have been presented by Nowell et al. (2003). Instrument calibration was made using international rock standard solutions, with internal spikes used to monitor suppression and drift over sessions. Hf isotopic compositions were determined on Thermo-Finnigan Neptune MC-ICP-MS (1st and 2nd generations) at two different laboratories: the Arthur Holmes Isotope Geology Laboratory, Durham University (AHIGL) and the CCIM Arctic Resources Laboratory, University of Alberta. Data were collected over several analytical sessions using techniques described by Nowell et al. (2003). Lu and Yb corrections on ^{176}Hf were made using the methodology of Nowell and Parrish (2001) and Nowell et al. (2003).

A solution of the JMC 475 Hf standard with concentrations of 25-100 ng/ml was used for instrumental setup and routine standard measurements. Repeated measurements of the JMC475 Hf standard in a session produced variable $^{176}Hf/^{177}Hf$ precision, all in good agreement with the accepted value (0.282163 ± 0.000009, 2σ; Blichert-Toft et al., 1997). The reproducibility of these JMC475 $^{176}Hf/^{177}Hf$ ratios from the two instruments during all nine analytical sessions is also in good agreement with reference values (see Appendix, Table I.3). For average $^{176}Hf/^{177}Hf$ ratios, standard deviations and external reproducibility for JMC475 during each analytical session, the reader is referred to Appendix, Table I.3. Weighted average $^{176}Hf/^{177}Hf$ value for the secondary standard Frank Smith ilmenite megacryst during all analytical sessions was 0.282663 ± 0.000009 (MSWD = 1.9, at 95 % confidence interval) with slightly higher values than past studies (Figure 3.2; 0.282616 ± 0.000039, 2σ; Nowell et al., 2004). Details related to standard normalization can be found in Nowell et al. (2003) with corrected JMC475 values listed in Appendix, Table I.2.

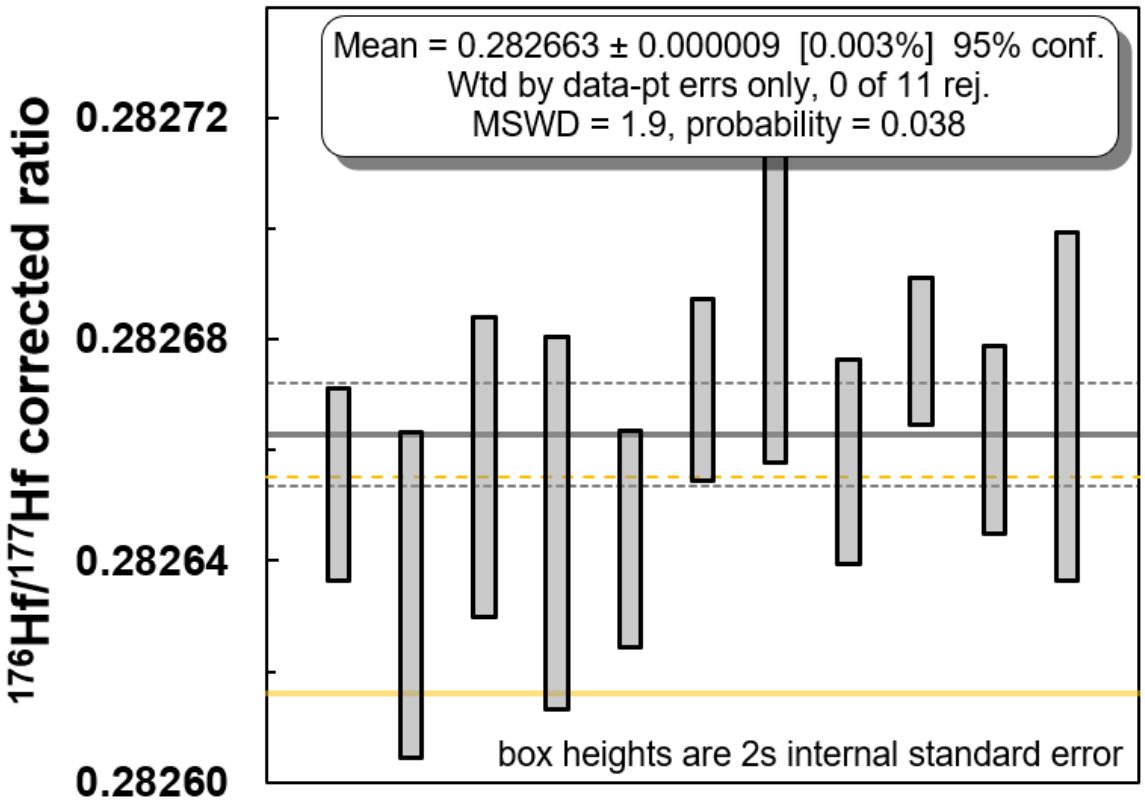

Figure 3.2 Frank Smith secondary standard $^{176}/^{177}$Hf ratio results for all MC-ICP-MS sessions. Solid Grey line is weighted average value. Dashed grey lines are uncertainty at 95 % confidence interval. Solid yellow line is mean value from Nowell et al. (2004); dashed yellow line is standard deviation (2σ).

3.4 Results

3.4.1 CMV rutile major and minor element abundances

The detrital rutile grains collected from Trout Lake tills contain 93.0-100.0 wt% TiO_2 and variable, lower abundances of other elements: Cr_2O_3 < 1.45 wt%, Nb_2O_5 < 3.18 wt%, ZrO_2 < 0.60 wt% and Fe_2O_3 < 2.01 wt%. Besides SiO_2 (< 3.78 wt%), which is below the LOD for 50 grains, the other analyzed elements (Al_2O_3, V_2O_3, MnO, MgO, ZnO and CaO) were of very low abundances (< 0.4 wt%) for > 81 % of the rutile grains which contained concentrations above the LOD. Meanwhile, the major and minor element compositions of the previously analyzed Horn Plateau rutile grains (n = 4) are reported in Appendix, Table H.1.

Although some studies have attempted to recognize kimberlite-related rutiles based on chemical composition (e.g., based on Cr_2O_3 contents; Malkovets et al., 2016), other studies of rutile from mantle xenoliths show that major elements are less definitive (Harris et al., 2018). CMV rutiles also allow no clear distinction (Appendix, Table H.1). None of the Trout Lake rutiles (n = 291) contain ≥ 1.7 wt% Cr_2O_3, thought to be typical of a cratonic mantle source, while none of the four previously analyzed Horn Plateau rutiles contain > 0.4 wt% Cr_2O_3, thought to be necessary for distinction from crustal sources (Figure 3.3; Malkovets et al., 2016). Albeit, a large proportion of the CMV grains (> 75 %) contain similar Cr_2O_3 concentrations with kimberlite-related rutiles from both off- and on-craton settings (Figure 3.3); these include rutiles associated to lithospheric-mantle metasomatism and metasomatized mantle peridotites brought up by deep-seated magmatism (e.g., kimberlites, carbonatites; Malkovets et al., 2016).

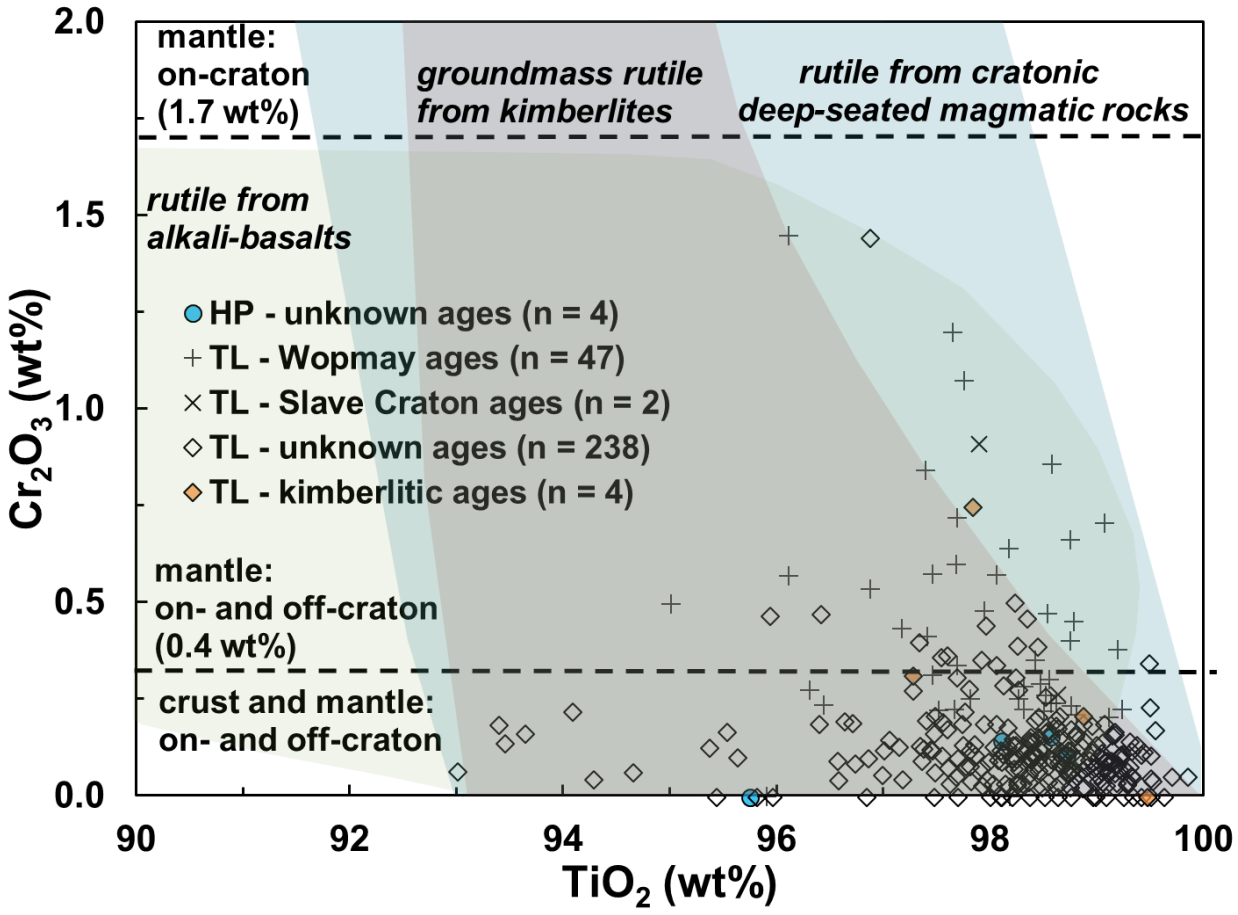

Figure 3.3 TiO_2–Cr_2O_3 relationships of CMV detrital rutile grains and the three defined compositional fields after Malkovets et al. (2016; see text for details). HPSA = Horn Plateau, TL = Trout Lake. See legend for symbology. Classification of grains is defined by U-Pb ages, if available (discussed below). Note almost all grains occur in low Cr_2O_3 space where overlap of all three crustal and mantle petrogenetic sources occurs, making discrimination of kimberlitic and non-kimberlitic grains currently impossible based on this discriminant.

3.4.2 Trout Lake rutile U-Pb ages

Most Trout Lake rutile grains analyzed for U-Pb isotope systematics have extremely low ^{207}Pb concentrations (in addition to Th and U). This is especially common for accessory minerals (e.g., rutile, zircon) from Mesozoic or younger magmas (e.g., Zack et al., 2011). Thus, accurate $^{207}Pb/^{235}U$ ages were difficult to obtain and only the apparent $^{206}Pb/^{238}U$ ages (Appendix, Table H.3), which have the lowest analytical uncertainties, were considered for resolving the emplacement age of eroded kimberlites that supplied these detrital rutile grains.

Trout Lake rutile $^{206}Pb/^{238}U$ ages can be divided into three distinct groups: (1) two grains (4 %) with Archean $^{206}Pb/^{238}U$ ages similar to Slave Craton granitoid rocks (2.8-2.5 Ga), (2) 47 grains (89 %) with Proterozoic $^{206}Pb/^{238}U$ ages similar to the Wopmay Orogen rocks (2.1-1.6 Ga) and (3) four grains from three samples (8 %) with potential kimberlitic $^{206}Pb/^{238}U$ ages between 429-138 Ma (Figure 3.4), based on the lack of evidence for metamorphic events of such young ages in the CMV basement. Of these presumed kimberlitic rutile grains, the two oldest have Silurian and Early Devonian $^{206}Pb/^{238}U$ ages of 420.6 ± 8.2 Ma and 408.1 ± 11 Ma (both at 2σ). These two rutile grains are from separate samples where they occur with other rutiles defining Paleoproterozoic crystallization ages (Figure 3.4). Meanwhile, the two youngest kimberlitic rutile grains, again from two separate samples, have Late Triassic to Early Cretaceous $^{206}Pb/^{238}U$ ages of 144.6 ± 6.2 Ma and 227.0 ± 35 Ma (2σ; Figure S10).

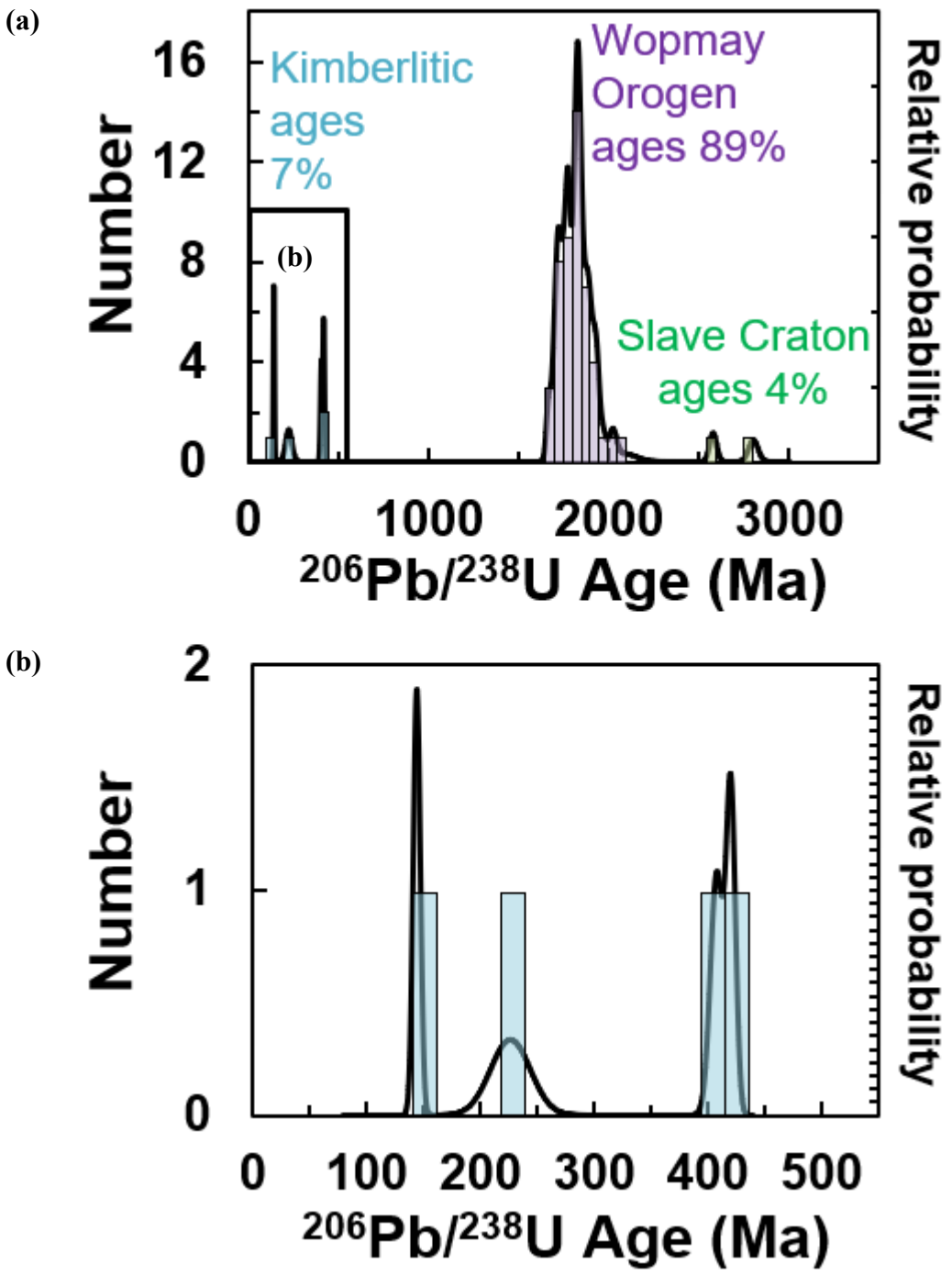

Figure 3.4 (a) $^{206}Pb/^{238}U$ apparent ages and density probability for all analyzed detrital rutile grains from the Trout Lake with inferred petrogenetic "age" sources and inset for **(b)** kimberlitic ages. **(b)** $^{206}Pb/^{238}U$ ages for kimberlitic Trout Lake rutile grains. Relative probability bandwidth is 0.001 for both **(a)** and **(b)**. Light blue is kimberlitic ages, grey is Wopmay Orogen ages and pink is Slave Craton ages (see text for details).

3.4.3 Worldwide kimberlitic ilmenite Hf isotope compositions

The ilmenite megacrysts analyzed in this study contain very similar Hf isotope systematics to ilmenites and host Group I kimberlites analyzed in other studies with most containing depleted signatures relative to the chondritic uniform reservoir (CHUR; Blichert-Toft and Albarede, 1997). Most ilmenite megacrysts from individual kimberlites generally have restricted Hf isotopic ranges of only a few (2-3) εHf units (deviation of the $^{176}Hf/^{177}Hf$ ratio from CHUR, in parts per 10,000 and back calculated to the time of kimberlite emplacement; Figure 3.5). A positive εHf value indicates that the material which melted to form the kimberlite magma from which the ilmenite crystallized was derived from a mantle which had experienced an earlier depletion event, i.e., period of melt removal. Whereas, ilmenites with negative εHf values indicate pre-existing continental crust was involved in the magma genesis. Specific examples relating to the results of this study will be discussed below. For full results see Appendix, Table I.3.

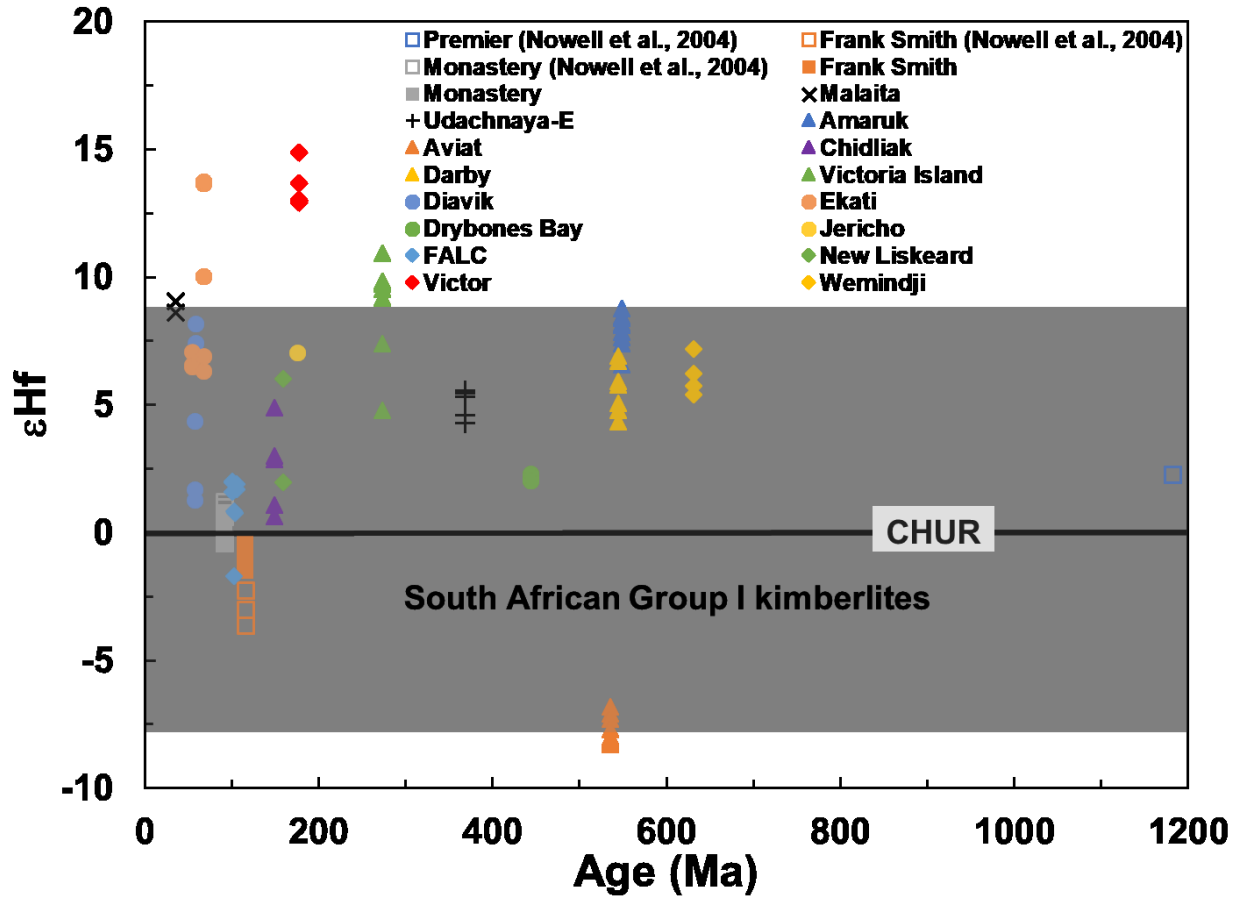

Figure 3.5 Plot of εHf versus age for ilmenites from various kimberlites. The age refers to the kimberlite emplacement age (Ma), as determined from either Rb-Sr phlogopite or U-Pb perovskite dating methods. See Appendix, Table I.1 for kimberlite localities, geochronology techniques used and sources of data. εHf represents the deviation of the $^{176}Hf/^{177}Hf$ ratio (in parts per 10 000 and back calculated to the time of kimberlite emplacement, i.e., assumed ilmenite crystallization) from the chondritic uniform reservoir (CHUR), modeled from the following calculation: $\varepsilon Hf = [(^{176}Hf/^{177}Hf)_{sample}/(^{176}Hf/^{177}Hf)_{CHUR} - 1] \times 10^4$. A $^{176}Hf/^{177}Hf$ ratio for CHUR of 0.282769 (Blichert-Toft and Albarede, 1997; normalized to a JMC475 value of 0.282158) and a Lu decay constant of 1.865×10^{-11}/a (Scherer et al., 2001) were used. The field for South African Group I kimberlites is from Nowell et al. (2004).

3.4.4 Horn Plateau Mg-ilmenite Hf isotope compositions

The Horn Plateau Mg-ilmenite grains range in $^{176}Hf/^{177}Hf$ corrected ratios between 0.28250-0.28315 (Figure 3.6a; Appendix, Table I.4). Although the relationship between ilmenite Hf isotope composition and kimberlite emplacement age is scattered and hence imprecise, it is very useful in allowing, e.g., to distinguish between Neoproterozoic-Silurian kimberlites and those of Devonian-Paleogene ages (Figure 3.6b). Based on the current worldwide kimberlitic ilmenite dataset (Figure 3.6b), Horn Plateau Mg-ilmenite Hf isotope compositions can be broadly divided into two age groups (Appendix, Table I.4).

The older age group contains nine Mg-ilmenites (from eight samples) with less radiogenic and restricted $^{176}Hf/^{177}Hf$ ratios between 0.2825-0.2826, indicative of Neoproterozoic to Silurian kimberlite emplacement ages (Figure 3.6a). All the Mg-ilmenites of the older age group belong to the Cr_2O_3- and MgO-poor oxidizing suite at Horn Plateau, as outlined by Mills (2008), with similar Nb_2O_5, TiO_2, Cr_2O_3, Fe_2O_3, FeO and MgO contents consistent with the ~ 441 Ma Drybones Bay kimberlite (Figure 2.6; Schulze et al. 1995; Kerr et al. 2000).

The younger age group contains 12 Mg-ilmenites (from 10 samples) with more radiogenic and less restricted $^{176}Hf/^{177}Hf$ ratios of 0.2827-0.2831, indicative of Devonian to Paleogene kimberlite emplacement ages (Figure 3.6a). All younger age Mg-ilmenites lie within the dominant MgO- and Cr_2O_3-rich suite outlined from the Horn Plateau grains (Mills, 2008), with similar Nb_2O_5, TiO_2, Cr_2O_3, Fe_2O_3, FeO and MgO contents as those from Central and Western Slave Craton surficial samples (Figure 2.6).

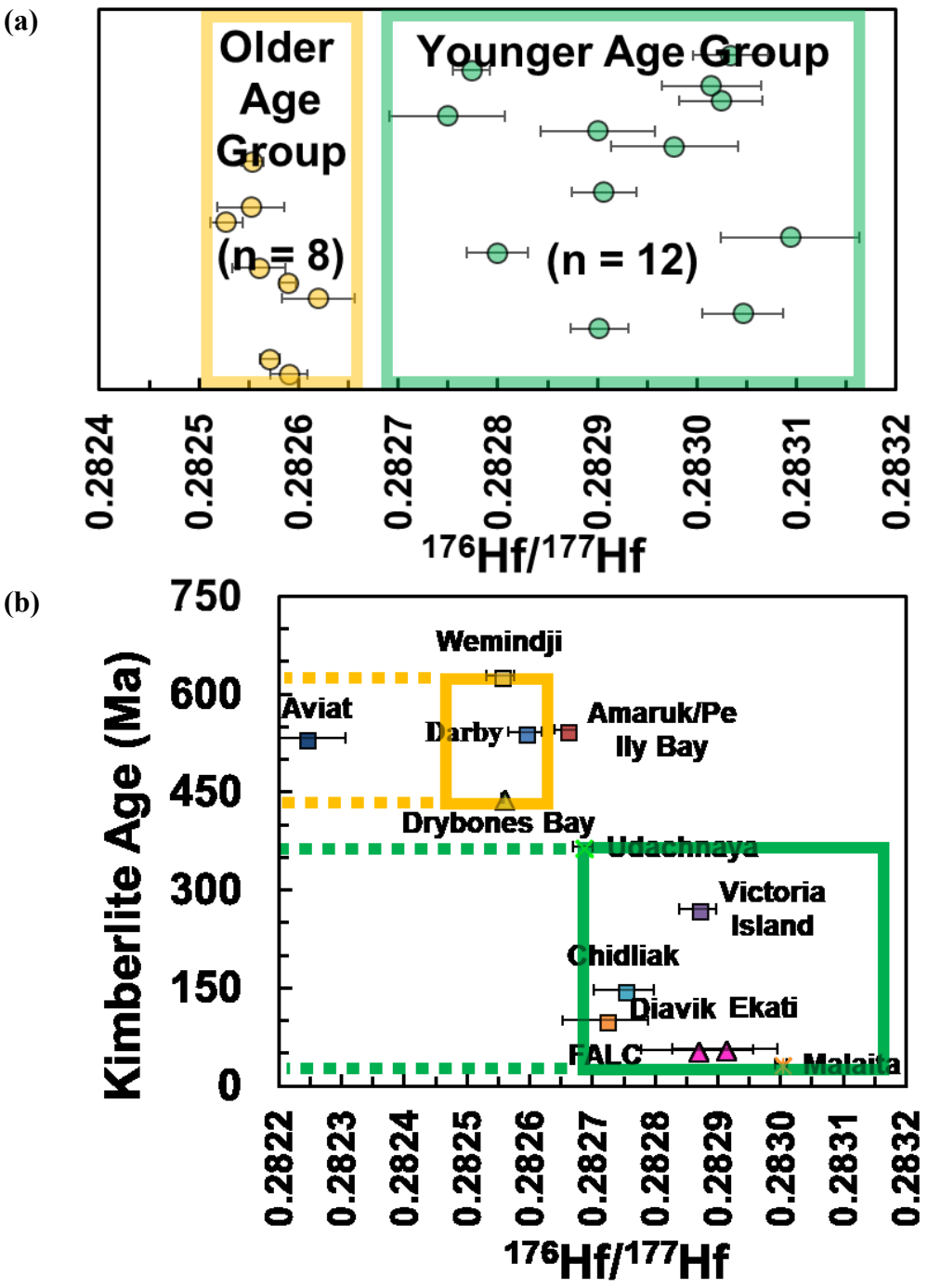

Figure 3.6 (a) $^{176}Hf/^{177}Hf$ corrected ratios plot for MC-ICP-MS analyzed Horn Plateau Mg-ilmenites. Outlined in respective coloured boxes are the two age groups discussed in the text: Yellow = Neoproterozoic-Silurian age group, Green = Devonian-Paleogene age group. Error bars signify internal standard error (2σ). **(b)** $^{176}Hf/^{177}Hf$ corrected mean ratios for ilmenites from North American kimberlites, as well as those from the Udachnaya(-East) kimberlite and Malaita alnöitic breccia. Error bars signify the standard deviation at 95 % confidence interval (2σ). Coloured boxes represent the Horn Plateau age groups. See Appendix, Table I.1 for kimberlite localities, geochronology techniques used and sources of data.

3.5 Discussion

3.5.1 Causes for variations in Hf isotopic signatures

The Monastery ilmenite Hf isotope results from this study are slightly more depleted (εHf = 0.56 to -0.40), although in agreement with those analyzed by Nowell et al. (2004) for megacrysts (εHf = 1.3 to 0.70) and whole-rock (εHf = 1.7 to -0.60) samples (Figure 3.5). Despite the complex chemical variations of Monastery megacrysts which suggested multiple growth periods (e.g., Moore et al., 1992), this consistent, remarkably limited variation in Hf isotope compositions was suggested by Nowell et al. (2004) to likely reflect complex interactions with the kimberlite magma during emplacement. The Frank Smith εHf values for ilmenite from this study (-0.37 to -1.92) and from Nowell et al. (2004) (-2.2 to -3.6) are all slightly below chondritic (Figure 3.5) which relate to less radiogenic εHf values for the host kimberlite (-3.5 to -40). The results for the Frank Smith kimberlite indicate ilmenite crystallized from a kimberlite magma were likely generated from a reservoir containing some crustal component.

The sole Jericho ilmenite Hf isotope analysis resulted in a depleted εHf value (7.1; Figure 3.5) similar to high-Cr Jericho megacryst clinopyroxene-garnet intergrowths (Kopylova et al., 2009) and slightly less than Hf isotope compositions of the host kimberlites (Dowall et al., 2000); this slight deviation between the megacrysts and the whole-rock Hf isotopic ratios is consistent with moderate crustal contamination (probably from granite) indicating the megacrysts crystallized from the same magma that was parental to the host kimberlites (Kopylova et al., 2009).

The widely varying εHf values for Lac de Gras (Diavik and Ekati) ilmenites have the largest variation and are all depleted compared to CHUR (1.4 to 13.7; Appendix, Table I.3) consistent with the range seen by Dowall (2004) and Tappe et al. (2013). These megacryst Hf isotope

signatures are more depleted than the essentially chondritic εHf values (-0.8 to 1.1) for the A154 South kimberlite (Schmidberger et al., 2009). However, they lie between or at similar εHf values as eclogite xenoliths (10.3 to 14.1) from these kimberlites (Schmidberger et al., 2009), suggesting the xenocrysts and megacrysts were formed from a more depleted source (compared to CHUR) than the host kimberlite with the range in Hf isotope signatures possibly forming a mixing line between the two source regions.

Ilmenite from hypabyssal sheet complex bodies at Aviat (AV1 and AV6; Armstrong et al., 2008) have consistently the least radiogenic Hf isotope compositions of any analyzed in this study ($^{176}Hf/^{177}Hf$ ratio = 0.2822). Crustal contamination is suspected for these sheets which are believed to have formed after the pipes at Aviat. The εHf values for these ilmenites reflect this and are all enriched relative to CHUR, ranging from -6.7 to -8.2. These results are similar to the South African Melton Wold ("Transitional") kimberlite (εHf = -8 to -10.2) analyzed by Nowell et al. (2004); suggesting a similar kimberlite magma genesis although more research involving Hf isotope compositions of the host kimberlite and any mantle xenoliths from Aviat will be required to corroborate such a scenario.

3.5.2 Potential sources of CMV KIMs based on radiogenic isotope age constraints

The U-Pb ages for rutile and Hf isotope "age groups" for Mg-ilmenites detrital grains from both CMV areas indicates many different kimberlite sources. Mg-ilmenites define at least two groups based on distinct compositions and ages (Neoproterozoic-Silurian versus Devonian-Paleogene). The large variability in Hf isotope ratios clearly precludes that the Mg-ilmenites came from a single kimberlite field of restricted age. Further, the range in radiogenic isotope ages for CMV detrital oxide grains are consistent with other studies which place the CMV in the "western

mixed" age domain of North America (Heaman et al., 2003), should some sources of the KIM populations be local. This domain contains kimberlite fields with a variety of emplacement ages occurring in relatively close spatial proximity. The locations and depths of drill holes that intersected kimberlites in the Liard properties (Figure 1.1; Pitman, 2014) when correlated with bedrock stratigraphy suggest Early to Late Devonian kimberlite emplacement ages. It is not outside the realm of possibilities that some of the CMV kimberlitic oxide grains were derived from Slave Craton kimberlites which have Eocene, Cretaceous, Jurassic, Permian, Silurian-Ordovician and Cambrian emplacement ages (Kjarsgaard, 1996; Davis and Kjarsgaard, 1997; Heaman et al., 2003; Sarkar et al., 2015).

The Cambrian Southeastern, Silurian Southwestern (Drybones Bay) and Ordovician Western Slave Craton kimberlites (Figure 2.15; Heaman et al., 2003) have emplacement ages consistent with the older age group Mg-ilmenites (Figure 9), suggesting possible derivation from kimberlites from these general areas (Figure 1.1). As discussed in Chapter 2, the Southeastern Slave Craton kimberlites are likely not the source of these Horn Plateau Mg-ilmenites (and other KIMs). However, kimberlites from the Southwestern and Western Slave Craton areas could very well be the source to these older age group Mg-ilmenites, as they and other Horn Plateau KIMs contain many chemical similarities. In addition, there are viable mechanisms (glacial and/or fluvial) capable of transporting KIMs over required distances (200-350 km) and in necessary directions (west-southwest regional ice-flow). Although the possibility Cambrian-Silurian aged sedimentary rocks sub-cropping below moderately thick glacial deposits (50-80 m; Cragie 1991) to the northeast of the Horn Plateau, near Lac la Martre (north of ~ 62 °N; Figure 1.1) could host the primary source kimberlites for the older Horn Plateau Mg-ilmenite age group, this alternative is less plausible at this time.

Most of the CMV detrital oxide grain "ages" are, however, distinct from the typical Late Cretaceous to Paleogene emplacement ages of Central Slave Craton kimberlites (75-45 Ma; Heaman et al., 2003; Creaser et al., 2004; Sarkar et al., 2015). Only a small sub-group of the younger age Horn Plateau Mg-ilmenite grains (n = 9) with the most radiogenic $^{176}Hf/^{177}Hf$ ratios have similar ratios to those from Diavik and Ekati kimberlites (Figure 3.6). The stream sediment samples containing these Mg-ilmenites are all found on top or draining to the north of the Horn Plateau where mixed till clast lithologies have been mapped; this region has been interpreted as an ancient meltwater channel at the end of the Pleistocene glaciation (Mills, 2008 and references therein).

Alternatively, these nine younger age group Mg-ilmenites could be sourced from local Cretaceous or younger aged kimberlites on top of the Horn Plateau. In direct proximity to these samples on the Horn Plateau near Willow Lake, below the overburden, lies Aptian-Albian-aged sedimentary rocks which could host primary source kimberlites for these KIMs. Another viable region for primary source kimberlites for the younger Horn Plateau Mg-ilmenite age group is within the Campanian-Maastrichtian clastic sediments, which lie below overburden on the southern/western portion of the plateau (Figure 1.1). These two regions with preserved Cretaceous sediments have similar present-day lithospheric thicknesses (180-200 km based on seismic tomography; Figure 1.1), in perfect agreement with the lithosphere thickness (190-210 km; Figure 2.11) derived from Horn Plateau Cr-diopside thermometry.

Besides the HOAM project kimberlites > 20 km southwest of the Horn Plateau and directly north-northwest of Trout Lake (Figure 1.3), there are no other known kimberlites in the vicinity with possible Devonian to Paleogene emplacement ages. One of the Devonian-Paleogene age group Mg-ilmenite grains with the lowest $^{176}Hf/^{177}Hf$ ratio from this group was recovered just

south of the Mackenzie River. This sample collected alluvium from the same watershed (i.e., south of the Mackenzie River) that hosts HOAM project kimberlites (< 10 km south; Figure 3.7). The other Devonian-Paleogene age Mg-ilmenite grain (17961-011) with a similar $^{176}Hf/^{177}Hf$ ratio within uncertainty (see Appendix, Table I.4) was collected approximately 120 km northwest of HOAM project kimberlites (near Ebutt Hills), parallel with the northwest regional ice-flow direction (Figure 1.3). The glacial transport direction, as well as recent Quaternary drainage patterns (Figure 1.3) and relative proximity (< 120 km) of the two samples containing these younger age group Mg-ilmenites with the HOAM project kimberlites, suggest they are likely sourced from them.

Although the Trout Lake rutile U-Pb age results suggest some Slave Craton sediments (4% of analyzed grains) have been transported to this region, the relatively low proportion indicates most of the material sampled is from proximal sources (i.e., Wopmay Orogen). Similarly, 7% of the detrital rutiles (from three samples) contained kimberlitic U-Pb ages, as there are no Phanerozoic-aged metamorphic events or igneous rocks present in the CMV. Considering the relatively small size of a kimberlite (typically < 10 ha), in relation to other rutile-bearing igneous and sedimentary rocks, it is promising for diamond exploration.

The Silurian $^{206}Pb/^{238}U$ age of the one Trout Lake rutile grain is similar to the Drybones Bay kimberlite emplacement age (441.4 ± 0.8 Ma; Heaman et al., 2003), suggesting it may be sourced from this or other Southwestern Slave Craton kimberlites speculated from till sampling in the area (Kerr et al., 2000). The Early Devonian $^{206}Pb/^{238}U$ age was recovered from a till sample, approximately 90 km southwest (parallel to regional ice-flow) of the southernmost HOAM project kimberlites (Figure 3.7) suggesting it is sourced from these kimberlites. Meanwhile, the Late Triassic to Early Cretaceous ages of the other two detrital rutile grains

recovered from the Trout Lake area till samples are inconsistent with other reported kimberlite emplacement ages from the HOAM project and Slave Craton. No known kimberlites with similar emplacement ages have been found within 750 km to the northeast on the Slave Craton, suggesting their source has not been located and may be local. Triassic to Cretaceous-aged sedimentary strata exist below Quaternary deposits throughout the Trout Lake area (Figure 3.8). These sedimentary rocks could either be primary hosts to kimberlites and/or secondary sources of these grains, although the latter is less likely based on available data.

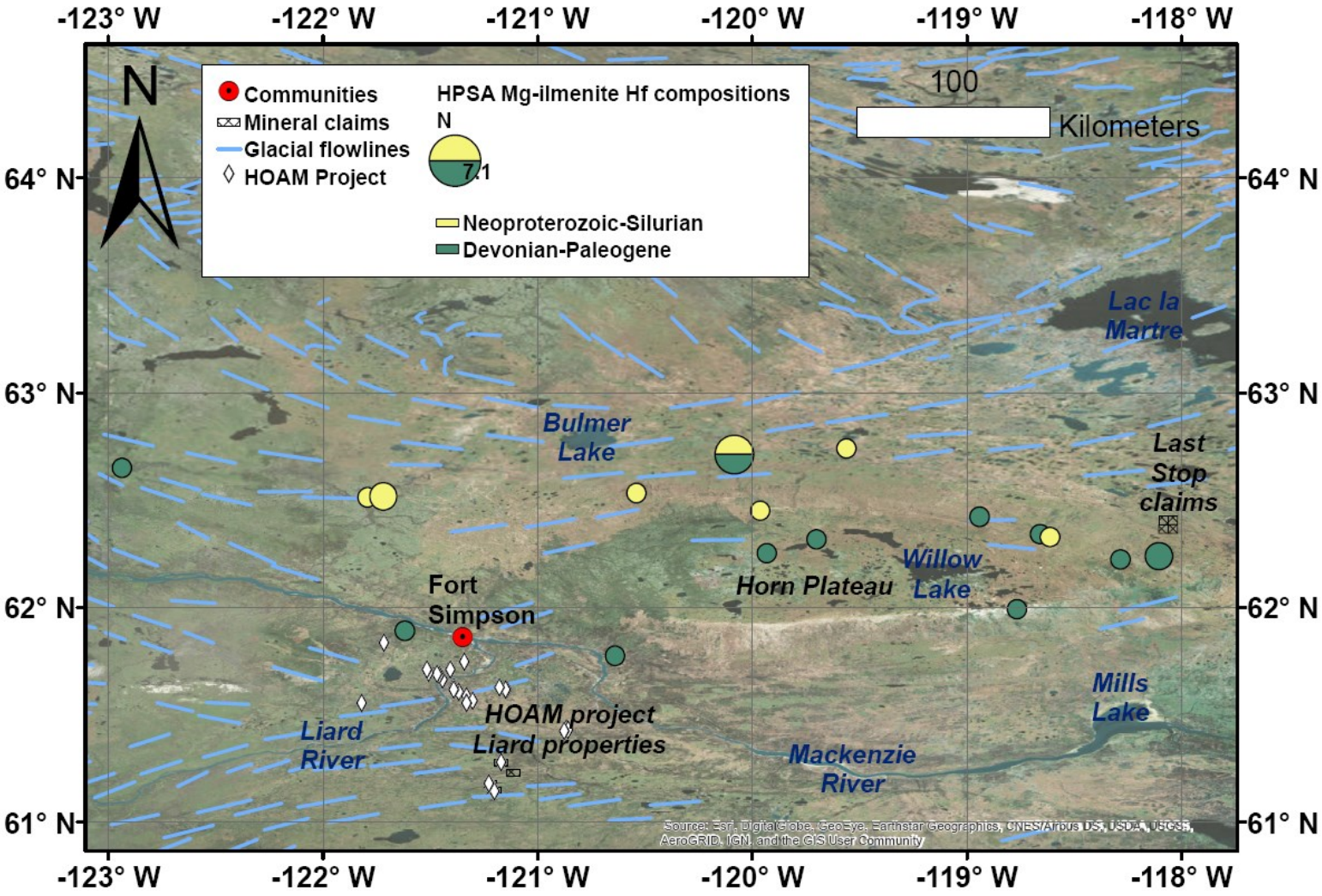

Figure 3.7 Horn Plateau area samples with proportions of analyzed Mg-ilmenite Hf isotope compositions inferred age groups. Smallest circles represent one grain, while the largest circle represents four grains. Glacial flowlines after Fulton (1995).

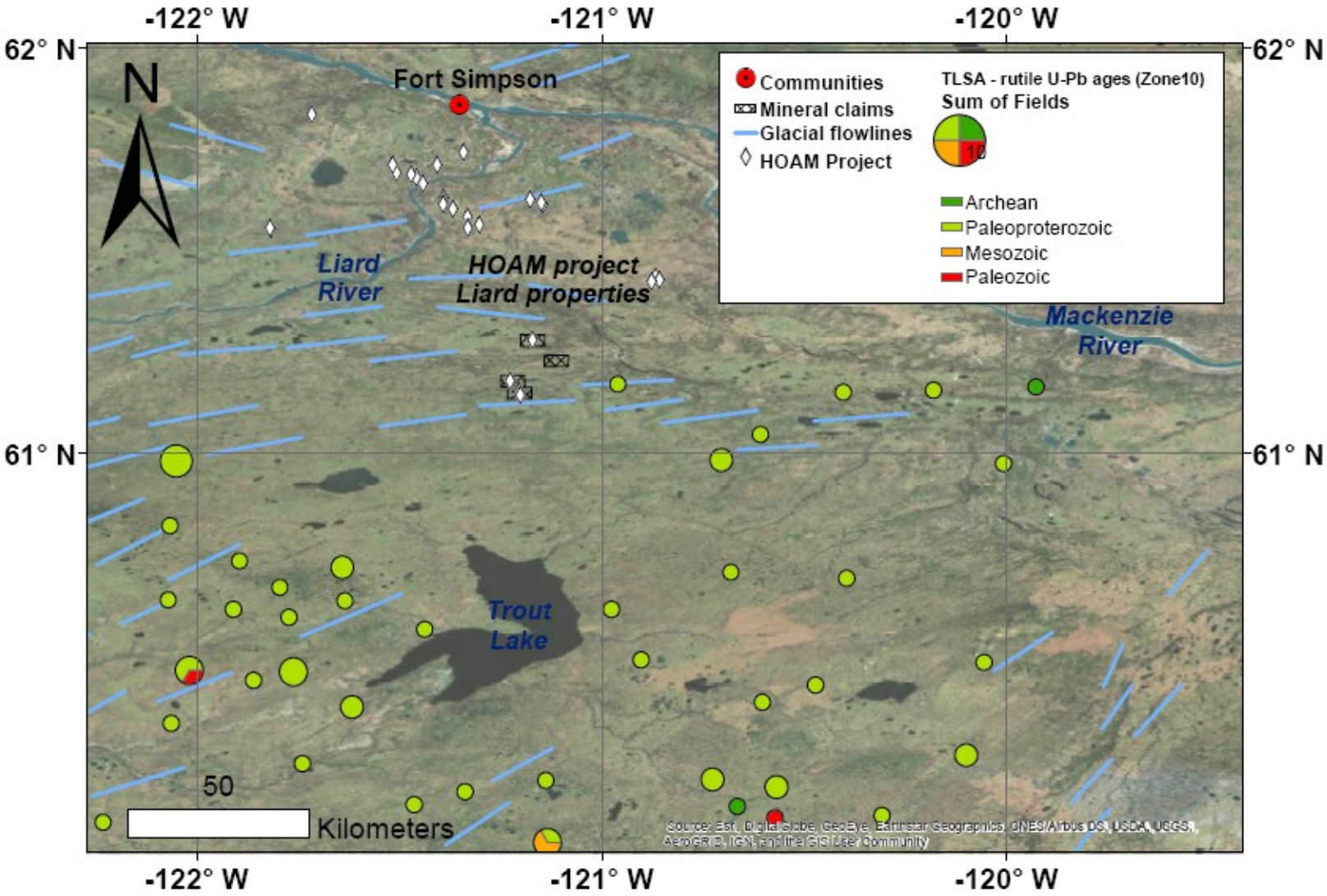

Figure 3.8 Trout Lake area samples with proportions of analyzed rutile U-Pb isotopic ages. See legend for symbology and text for discussion. Smallest circles represent one grain, while largest circles represent four grains. Glacial flowlines after Fulton (1995).

3.6 Conclusions

U-Pb ages of detrital Trout Lake rutile grains indicate mixing of multiple kimberlite sources with emplacement ages varying from Silurian to Early Cretaceous. The Silurian U-Pb age of the one Trout Lake rutile is similar to the emplacement age of the Drybones Bay kimberlite from the Southwestern Slave Craton, suggesting it may be sourced from this area or that there may be undiscovered kimberlites of similar age in the Trout Lake area. Further, the remaining three rutiles with kimberlitic ages and the primarily proximal Wopmay Orogen ages (89%) of the other analyzed Trout Lake grains suggest the kimberlite sources of these grains are likely not from Slave Craton kimberlites and rather from undiscovered closer proximity sources.

This research has begun uncovering the potential of a new, practical kimberlite emplacement age estimator for diamond exploration. Analysis of smaller (1.0-2.0 mm size fractions) ilmenite grains for this study has proven to be a reliable technique analogous to samples from diamond exploration sampling programs.

In addition, it has provided insight about the complexities of unresolved mantle processes, such as the origin and timing of kimberlite emplacement with respect to crystallization of megacryst and groundmass phases. The robust, easily identifiable nature of ilmenite, along with its synthesis of distinctive Hf isotopic signatures opens new perspectives for using kimberlitic ilmenite as a diamond exploration tool for understanding the source age of eroded kimberlitic material.

Currently, the Hf isotope signature versus “age” relationship in kimberlitic ilmenites is somewhat scattered and cannot be considered in any way precise. However, it has some value in being able to distinguish between kimberlites of Precambrian-Early Paleozoic and Mesozoic-

Cenozoic ages. Analyzed large (1.0-2.0 mm) detrital Horn Plateau kimberlitic (Mg-)ilmenite from this study have a range of Hf isotopic compositions that strongly supports at least two major age populations of their kimberlite sources. The use of Hf isotope signatures from kimberlitic ilmenite has proven to be a broad indicator of kimberlite emplacement ages, as long as the local regional geology is understood.

Chapter 4: Conclusions

4.1 Key Findings

- Analysis of KIMs from the two Central Mackenzie Valley (CMV) areas has resulted in a large, new geochemical dataset for an underexplored area of the Northwest Territories.
- These geochemical data provide new constraints on the diamond potential for kimberlite indicator minerals (KIMs) within the Central Mackenzie Valley, NT and a better understanding of where exploration efforts should be employed, in the search for future diamond deposits.
- The kimberlitic source(s) of the KIMs from the Trout Lake area have poor diamond potential, with the overall KIM chemistry and lower garnet temperatures suggesting small or non-existent sampling of the “diamond window”.
- KIMs from the Horn Plateau area have significant diamond potential, with a high proportion of harzburgitic diamond-facies (G10D) garnets and most of the analyzed KIMs being sampled from the diamond stability field.
- Single grain Hf isotope analyses show a wide variety of isotopic compositions in the Horn Plateau Mg-ilmenite grains that strongly support at least two major age populations in their source.
- The use of Hf isotope signatures from kimberlitic ilmenite has been shown to be a crude indicator of possible kimberlite emplacement ages when other more reliable geochronology techniques are not available.

- Two regions within the Horn Plateau area have been highlighted as regions where further exploration efforts should be pursued for the search of any proximal, likely Cretaceous-aged kimberlitic sources of some Horn Plateau KIMs.
- The incomplete Quaternary history of the Horn Plateau area and lack of closely-spaced (< 50 m^2) till sampling in the area remains a primary deterrent to locating any possible local kimberlite sources.

4.2 Future Research

- Recent seismic studies (e.g., Shaeffer and Lebedev, 2014) suggest that the CMV may be underpinned by lithospheric mantle up to 200 km thick. Our preliminary geotherm results indicate that the lithosphere at the time of kimberlite emplacement for the Horn Plateau clinopyroxene grains was at least 190-210 km thick (Figure 2.11). Increasing P-T constraints with the recovery of more KIM grains covering an extended P-T range will potentially help to better define the geotherms and delineate individual sampled populations.
- Both the FITPLOT geotherm approach and the large-scale seismic tomography rely on a good understanding of the crustal heat production and thickness in a given area. Neither of these factors are as well constrained as we might like. New small-scale seismic studies to better understand the thickness and composition of the crust will greatly aid the refinement of mantle thickness estimates in the CMV.
- Spinel was the second most abundant potential KIM collected from the Horn Plateau area, with a large proportion deemed kimberlite-related. Further assessment of Horn

Plateau kimberlite-related spinels, involving in situ LA-ICP-MS trace-element determination using a matrix-matched secondary standard could further improve our understanding of the kimberlite sources of the Horn Plateau KIMs. The analysis of Zn and other trace elements typically from kimberlite-related spinel would allow the use of the Zn-in-spinel thermometer (e.g., Ryan et al. 1996), thus expanding on the garnet peridotite mantle-sampling profile completed for garnet and olivine grains (into the spinel stability field). This would facilitate a more robust analysis of the mantle sampling profile of the kimberlite sources of the Horn Plateau KIMs.

- More statistical tests involving analysis of variance and k-means cluster, principal and independent component analysis would help reduce dimensionality of the KIM chemical datasets and delineate any groups or trends within them. This could likely help divide the Horn Plateau kimberlite-related chromite, peridotitic garnet and olivine grains into separate populations.
- Changes to the chemical procedures used separating Hf from the kimberlitic ilmenites solutions would greatly improve results and remove ambiguity of Hf isotope results. Revised column chromatography Hf separation procedures which decrease sample preparation time and ensure the complete removal of organics in collected Hf solutions, would increase the precision of Hf isotopic analyses.
- The analysis of ilmenite and rutile for major and trace element concentrations (especially Lu, Hf contents) prior to solution MC-ICP-MS analysis of grains would improve our understanding of the Hf isotope mantle evolution curve defined by kimberlitic ilmenites. It would require separating, optically picking and mounting large (≥ 1 mm size fractions) a large, statistically relevant collection of aforementioned mineral grains from kimberlite

samples on carbon-coated SEM slides (or grain mounts). Grains would then be semi-quantitatively analyzed via SEM (or quantitatively via EPMA), as well as mapped for any inclusions using BSE and SE images.

- Analyzing more kimberlite samples containing ilmenite with different genetic origins (megacrysts, xenoliths, etc.) primarily with emplacement ages between 1200-400 Ma would enhance our knowledge of Hf isotope ratios in Mg-ilmenites, as well as other HFSE-bearing minerals (e.g., rutile, titanite). This would again include more picking, mounting and analyzing major and trace element concentrations for a large collection of mineral grains.
- The analysis of ilmenite-mineral pairs (e.g., Nowell et al., 2004) and mineral inclusions of ilmenite co-existing with perovskite, rutile and/or zircon in various samples would also improve the reliability of this emplacement age estimator and our understanding of the Hf isotope mantle evolution curve defined by kimberlitic ilmenites. Minerals identified to contain inclusions would be identified and analyzed for major elements to confirm co-existing phases (e.g., ilmenite, rutile, perovskite, zircon). Select grains containing these specific co-existing phases would be removed from their mounts, separated into individual phases, cleaned, weighed and dissolved, following proper mineral chemistry procedures. These grains would then be separated for elements of interest (ilmenite, zircon – Hf; phlogopite – Rb, Sr; ilmenite, perovskite, rutile, zircon – U, Pb, Th) using revised column chromatography procedures and analyzed for isotopic compositions (i.e., ages) by MC-ICP-MS (ilmenite, rutile) and LA-ICP-MS (rutile, zircon) or TIMS (phlogopite, perovskite, rutile, zircon).

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Appendix

Table A.1 Horn Plateau area stream sediment sample locations and descriptions (from Day et al., 2007)

SampleID	Longitude	Latitude	Stream Width	Stream Depth	Surface Expression	Site Drainage	Stream Class	Stream Type	Stream Flow	Bank Types	HMC Site	Clast Lithologies %	Bedrock	Boulders
095H_2003_1002	-121.61	61.89243	8.0	0.4	Inclined	Moderate	Tertiary	Permanent	Moderate	Outwash	Boulder Trap	Granitoid90_Others10	no	Granitoid
095I_2003_1003	-121.96	62.55635	15.0	0.3	Inclined	Moderate	Tertiary	Permanent	Slow	Alluvium	Longitudinal Bar	Granitoid50_Sanstone30_Limestone20	no	Granitoid
095I_2003_1005	-121.94	62.54010	1.5	0.2	Inclined	Moderate	Secondary	Permanent	Moderate	Bare Rock_Alluvium	Stream Bed	Granitoid60_Limestone20_Siltstone10_Others10	Mudstone	Granitoid_Limestone
095I_2003_1008	-121.79	62.51361	75.0	0.2	Inclined	Moderate	Quaternary	Permanent	Moderate	Colluvium	Longitudinal Bar	Limestone50_Granitoid40_Others10	no	no
095I_2003_1009	-121.69	62.52808	3.5	0.2	Inclined	Moderate	Secondary	Permanent	Moderate	Colluvium	Stream Bed	Granitoid75_Limestone20_Others5	no	Granitoid
095I_2003_1012	-121.55	62.63243	3.0	0.5	Level	Well	Secondary	Permanent	Moderate	Colluvium_Till	Longitudinal Bar	Granitoid60_Sandstone30_Others10	no	Granitoid
095I_2003_1014	-121.45	62.66011	7.0	1.0	Inclined	Well	Tertiary	Permanent	Moderate	Alluvium_Till	Longitudinal Bar	Sandstone60_Granitoid35_Others5	no	Granitoid
095I_2003_1016	-121.41	62.67972	2.0	0.4	Inclined	Moderate	Secondary	Permanent	Moderate	Colluvium	Boulder Trap	Granitoid60_Sandstone35_Limestone5	no	Granitoid
095I_2003_1018	-121.39	62.64890	25.0	1.5	Inclined	Well	Tertiary	Permanent	Fast	Alluvium_Colluvium	Longitudinal Bar	Granitoid50_Sandstone30_Mudstone15_Others5	no	Sandstone
095I_2003_1019	-121.17	62.64281	4.0	0.2	Inclined	Moderate	Secondary	Permanent	Moderate	Alluvium_Colluvium	Log Trap	Sandstone40_Shale30_Granitoid30	no	no
095I_2003_1025	-121.19	62.57027	15.0	1.0	Inclined	Well	Tertiary	Permanent	Moderate	Alluvium_Colluvium	Longitudinal Bar	Granitoid85_Sandstone15	no	Granitoid
095I_2003_1035	-120.94	62.84336	5.0	0.2	Level	Moderate	Secondary	Permanent	Moderate	Till_Outwash	Boulder Trap	Shale40_Limestone40_Granitoid20	no	Granitoid
095I_2003_1036	-120.81	62.86712	3.0	0.2	Level	Poor	Primary	Intermittent	Slow	Till_Outwash	Gravel Veneer	Shale80_Limestone10_Quartz&Feldspar10	no	Granitoid
095I_2003_1042	-120.65	62.89184	3.0	0.1	Level	Well	Secondary	Permanent	Slow	Till_Outwash	Stream Bed	ShaleLimestone80_Feldspar20	no	Granitoidphyrys
095I_2003_1048	-120.03	62.77720	10.0		Level	Moderate	Tertiary	Permanent	Fast	Till	Stream Bed	Shale50_Limestone30_Granitoid20	no	Granitoid
095I_2003_1050	-120.09	62.68688	50.0	0.1	Level	Moderate	Quaternary	Permanent	Moderate	Till	Longitudinal Bar	Granitoid50_Shale&Limestone50	no	no
095I_2003_1052	-120.02	62.53424	5.0	0.1	Inclined	Well	Secondary	Permanent	Moderate	Till	Longitudinal Bar	Granitoid60_Shale20_Limestone20	no	Granitoid_Limestone
095I_2003_1053	-120.06	62.59245	5.0	0.1	Level	Moderate	Tertiary	Permanent	Moderate	Till	Longitudinal Bar	Granitoid50_Shale20_Limestone20_Sandstone10	no	Granitoid_Limestone_Sandstone
095I_2003_1056	-120.20	62.56483	1.0	0.1	Level	Poor	Secondary	Permanent	Moderate	Till	Gravel Veneer	Granitoid50_Sedimentary50	no	Granitoid_Sandstone_Limestone
095I_2003_1058	-120.21	62.51897	10.0	0.1	Inclined	Moderate	Primary	Permanent	Moderate	Till	Boulder Trap	Granitoid50_Sedimentary50	no	Granitoid
095I_2003_1059	-120.38	62.55068	10.0	0.1	Inclined	Moderate	Secondary	Permanent	Moderate	Till_Outwash	Stream Bed	Granitoid50_Sedimentary50	no	Granitoid
095I_2003_1062	-120.21	62.64253	6.0	1.5	Level	Poor	Secondary	Permanent	Slow	Alluvium_Till	Point Bar	Shale60_Sandstone20_Granitoid20	no	no
095I_2003_1063	-120.20	62.67070	20.0	1.5	Inclined	Well	Tertiary	Permanent	Fast	Alluvium_Till	Longitudinal Bar	Granitoid50_Sandstone30_Mudstone10_Limestone10	no	Sandstone
095I_2003_1066	-120.38	62.62534	12.0	1.0	Level	Moderate	Secondary	Permanent	Slow	Alluvium_Organic	Longitudinal Bar	Shale70_Granitoid20_Sandstone10	no	no
095I_2003_1070	-120.62	62.66077	4.0	1.0	Inclined	Well	Secondary	Permanent	Fast	Alluvium_Till	Longitudinal Bar	Sandstone50_Granitoid40_Mudstone10	no	Sandstone_Granitoid
095I_2003_1071	-120.55	62.71126	15.0	0.5	Inclined	Moderate	Tertiary	Permanent	Moderate	Alluvium_Till	Longitudinal Bar	Granitoid85_Limestone15	no	Granitoid
095I_2003_1073	-120.75	62.67146	40.0	2.0	Inclined	Well	Quaternary	Permanent	Moderate	Alluvium_Colluvium_Till	Boulder Trap_Longitudinal	Sandstone40_Granitoid35_Limestone15_Mudstone10	no	Granitoid
095I_2003_1076	-120.48	62.58129	4.0	0.1	Inclined	Moderate	Secondary	Permanent	Slow	Till	Gravel Veneer	Limestone40_Granitoid40_Other20	no	no
095I_2003_1078	-120.38	62.61338	3.0	0.1	Level	Well	Secondary	Permanent	Moderate	Till	Gravel Veneer	Limestone40_Shale20_Granitoid20	no	no
095I_2003_1079	-120.56	62.57702	4.0	0.1	Level	Well	Secondary	Permanent	Moderate	Till	Point Bar	Granitoid50_Limestone25_Shale25	no	no
095I_2003_1082	-120.59	62.55259	10.0	0.1	Inclined	Well	Secondary	Permanent	Fast	Till	Longitudinal Bar	Granitoid50_Sedimentary50	no	Granitoid
095I_2003_1084	-120.84	62.65021	2.0	0.1	Inclined	Moderate	Primary	Permanent	Moderate		Gravel Veneer	Granitoid50_Sedimentary50	no	no
095I_2003_1086	-120.84	62.56347	3.0	0.2	Inclined	Moderate	Primary	Permanent	Slow	Till	Gravel Veneer	Sedimentary50_Granitoid50	no	Granitoid
095I_2003_1092	-121.53	62.40054	99.0	0.1	Inclined	Moderate	Quaternary	Permanent	Moderate	Till	Longitudinal Bar	Sedimentary50_Granitoid50	no	Granitoid
095I_2003_1095	-121.77	62.49889			Inclined	Well	Secondary	Permanent	Fast	Till	Longitudinal Bar	Granitoid50_Sedimentary50	no	Granitoid

0951_2003_1097	-121.77	62.4563	40.0	0.5	Inclined	Moderate	Quaternary	Permanent	Moderate	Alluvium	Stream Bed	Granitoid55_Limestone30_Siltstone10_Shale5	no	no
0951_2003_1100	-121.50	62.3378	3.5	1.4	Level	Poor	Secondary	Permanent	Slow	Organic	Gravel Veneer	Granitoid70_Sandstone20_Others10	no	Granitoid
0951_2003_1102	-121.40	62.3816	17.0	0.3	Inclined	Moderate	Quaternary	Permanent	Moderate	Alluvium_Outwash	Longitudinal Bar	Granitoid50_Limestone25_Sandstone15_Others10	no	Granitoid
0951_2003_1107	-121.05	62.2878	25.0	0.5	Level	Poor	Tertiary	Permanent	Moderate	Alluvium	Diagonal Bar	Granitoid50_Limestone30_Sandstone10_Others10	no	no
0951_2003_2004	-121.93	62.5522	99.0	0.1	Level	Well	Quaternary	Permanent	Moderate	Till	Longitudinal Bar	Granitoid40_Gneiss30_Sandstone20_Limestone10	no	Granitoid
0951_2003_2006	-121.87	62.5164	60.0	0.2	Level	Moderate	Secondary	Permanent	Moderate	Till_Outwash	Point Bar	Granitoid40_Sandstone20_Limestone20_Siltstone20	no	Granitoid
0951_2003_2007	-121.81	62.5034	6.0	0.1	Level	Moderate	Quaternary	Permanent	Slow	Till_Outwash	Stream Bed	Granitoid100	no	no
0951_2003_2010	-121.71	62.5183	99.0	0.1	Level	Well	Quaternary	Permanent	Moderate	Till	Boulder Trap	Granitoid50_Sedimentary50	no	Granitoid
0951_2003_2014	-121.61	62.5774	60.0	0.1	Level	Moderate	Quaternary	Permanent	Fast	Till	Stream Bed	Granitoid50_Sedimentary50	no	Granitoid_Sedimentary
0951_2003_2015	-121.57	62.6110	99.0	0.1	Level	Moderate	Quaternary	Permanent	Slow	Till_Outwash	Gravel Veneer	Granitoid50_Sedimentary50	no	no
0951_2003_2018	-121.42	62.5627	99.0	0.1	Level	Moderate	Quaternary	Permanent	Slow	Till	Longitudinal Bar	Granitoid50_Sedimentary50	no	no
0951_2003_2025	-121.26	62.5543	1.0	0.1	Level	Moderate	Primary	Permanent	Moderate	Till	Stream Bed	Granitoid50_Sedimentary50	no	no
0951_2003_2029	-121.10	62.5172	99.0	0.1	Level	Well	Quaternary	Permanent	Moderate	Till	Longitudinal Bar	Granitoid50_Sedimentary50	no	no
0951_2003_2030	-121.04	62.5042	0.7	0.1	Inclined	Moderate	Primary	Intermittent	Moderate	Colluvium	Stream Bed	Sedimentary25_Granitoid25	no	no
0951_2003_2033	-121.02	62.5079	0.7	0.2	Inclined	Moderate	Primary	Intermittent	Moderate	Colluvium	Stream Bed	Granitoid70_Sandstone10_Metamorphic10_Limestone10	no	Granitoid
0951_2003_2039	-120.98	62.8685	12.0	0.4	Inclined	Moderate	Secondary	Permanent	Moderate	Organic	Stream Bed	Limestone60_Granitoid20_Sedimentary20	no	no
0951_2003_2045	-120.45	62.7881	13.0	0.5	Level	Poor	Secondary	Permanent	Slow	Colluvium_Organic	Gravel Veneer	Limestone50_Granitoid30_Others20	no	Limestone_Granitoid
0951_2003_2048	-120.06	62.8505	20.0	0.5	Level	Poor	Tertiary	Permanent	Slow	Colluvium	Stream Bed	Shale75_Limestone20_Granitoid5	no	no
0951_2003_2050	-120.17	62.7155	1.7	0.4	Level	Moderate	Secondary	Permanent	Moderate	Organic	Gravel Veneer	Limestone60_Granitoid20_Others20	no	no
0951_2003_2053	-120.08	62.7128	20.0	0.5	Inclined	Moderate	Tertiary	Permanent	Moderate	Colluvium	Gravel Veneer	Granitoid50_Limestone25_Shale15_Others10	no	Granitoid_Limestone
0951_2003_2056	-120.12	62.6413	8.0	1.0	Level	Moderate	Secondary	Permanent	Slow	Organic	Longitudinal Bar	Granitoid50_Limestone25_Shale20_Others5	no	no
0951_2003_2057	-120.05	62.5305	15.0	1.0	Inclined	Well	Secondary	Permanent	Fast	Alluvium_Till	Longitudinal Bar	Granitoid60_Sandstone30_Limestone10	no	Granitoid_Sandstone
0951_2003_2063	-120.24	62.5954	5.0	0.4	Level	Moderate	Secondary	Permanent	Slow	Alluvium_Till	Log Trap	Granitoid70_Shale20_Sandstone10	no	no
0951_2003_2064	-120.25	62.5388	6.0	0.3	Level	Well	Secondary	Permanent	Fast	Alluvium_Till	Longitudinal Bar	Granitoid50_Limestone35_Sandstone10_Shale5	no	Granitoid_Limestone
0951_2003_2067	-120.39	62.4964	4.0	0.5	Inclined	Well	Secondary	Permanent	Fast	Alluvium_Till	Longitudinal Bar	Granitoid50_Sandstone20_Limestone20_Mudstone20	no	Granitoid
0951_2003_2070	-120.23	62.6823	65.0	0.5	Inclined	Moderate	Quaternary	Permanent	Slow	Outwash	Longitudinal Bar	Granitoid60_Shale20_Limestone15_Others5	no	Granitoid
0951_2003_2071	-120.24	62.6849	2.0	0.7	Level	Poor	Primary	Permanent	Slow	Colluvium	Gravel Veneer	Granitoid50_Shale25_Others25	no	no
0951_2003_2072	-120.38	62.7915	11.0	0.5	Level	Poor	Secondary	Permanent	Slow	Outwash	Longitudinal Bar	Granitoid50_Limestone25_Shale20_Others5	no	no
0951_2003_2074	-120.56	62.9108	99.0	0.5	Inclined	Moderate	Quaternary	Permanent	Slow	Outwash	Point Bar	Granitoid50_Limestone30_Others20	no	Granitoid_Sandstone_Siltstone
0951_2003_2076	-120.47	62.5965	5.0	0.3	Level	Poor	Secondary	Permanent	Moderate	Organic	Gravel Veneer	Granitoid40_Limestone40_Sandstone10_Others10	no	Granitoid_Limestone
0951_2003_2078	-120.53	62.5332	4.0	0.6	Inclined	Moderate	Secondary	Permanent	Moderate	Organic	Stream Bed	Granitoid40_Limestone40_Others20	no	Granitoid_Limestone
0951_2003_2079	-120.64	62.5041	4.5	0.4	Inclined	Poor	Secondary	Permanent	Moderate	Colluvium	Log Trap	Granitoid55_Limestone30_Sandstone10_Others5	no	no
0951_2003_2080	-120.71	62.5929	1.5	0.5	Level	Poor	Primary	Permanent	Moderate	Organic	Gravel Veneer	Granitoid40_Limestone40_Shale10_Siltstone10	no	no
0951_2003_2082	-120.95	62.6211	30.0	1.0	Inclined	Well	Quaternary	Permanent	Moderate	Alluvium_Till	Longitudinal Bar	Mudstone90_Granitoid10	no	Granitoid
0951_2003_2087	-121.33	62.6185	15.0	1.8	Level	Well	Tertiary	Permanent	Moderate	Alluvium_Till	Pool	Sandstone40_Mudstone40_Limestone10_Granitoid10	no	Granitoid
0951_2003_2092	-121.64	62.4328	30.0	2.0	Inclined	Well	Quaternary	Permanent	Moderate	Alluvium_Till	Longitudinal Bar	Sandstone50_Granitoid20_Limestone20_Mudstone10	Mudstone	Granitoid
0951_2003_2094	-121.78	62.4270	15.0	1.0	Inclined	Well	Tertiary	Permanent	Moderate	Alluvium_Till	Longitudinal Bar	Mudstone70_Sandstone10_Limestone10_Granitoid10	no	Granitoid
0951_2003_2096	-121.69	62.4260	4.5	0.3	Inclined	Well	Secondary	Permanent	Fast	Alluvium_Till	Longitudinal Bar	Limestone40_Mudstone30_Sandstone20_Granitoid10	no	Granitoid_Sandstone
0951_2003_2100	-121.49	62.4554	5.0	0.8	Inclined	Moderate	Secondary	Permanent	Moderate	Alluvium_Till	Beaver Dam	Granitoid85_Limestone10_Other5	no	no
0951_2003_2104	-121.31	62.3455	25.0	1.5	Inclined	Well	Quaternary	Permanent	Moderate	Alluvium_Till	Longitudinal Bar	Granitoid70_Limestone20_Sandstone/Mudstone10	no	Granitoid
0951_2003_2109	-121.17	62.3227	40.0	1.5	Inclined	Well	Quaternary	Permanent	Moderate	Alluvium_Till	Longitudinal Bar	Granitoid80_Limestone10_Mudstone10	no	Granitoid
0951_2003_2112	-121.04	62.2982	15.0	1.5	Inclined	Well	Tertiary	Permanent	Moderate	Alluvium_Till	Longitudinal Bar	Granitoid50_Limestone20_Sandstone/Mudstone20_Others10	no	no
0951_2003_2115	-121.08	62.4962	20.0		Level	Moderate	Tertiary	Permanent	Fast	Organic	Point Bar	Granitoid50_Sedimentary50	no	no

095I_2003_2117	-121.01	62.3 8208	2.0	0.1	Level	Moderate	Secondary	Permanent	Moderate	Till	Gravel Veneer	Granitoid50_Sedimentary50	no	Granitoid
095I_2003_2119	-121.06	62.4 4063	1.0	0.1	Level	Poor	Secondary	Permanent	Slow	Till	Gravel Veneer			
095I_2003_2122	-121.19	62.1 8619	3.0	0.1	Inclined	Well	Secondary	Permanent	Moderate	Till	Pool_Gravel Veneer	Granitoid50_Sedimentary50	no	no
095I_2003_2125	-121.13	62.1 2368	2.0	0.1	Inclined	Moderate	Primary	Permanent	Moderate	Till_Outwash	Gravel Veneer	Granitoid50_Sedimentary50	no	no
095J_2003_1003	-122.91	62.6 3905	20.0	0.5	Inclined	Well	Tertiary	Permanent	Fast	Colluvium	Longitudinal Bar	Granitoid80_Shale15_Others5	no	Granitoid
095J_2003_1004	-122.86	62.6 6674	3.0	0.1	Inclined	Well	Secondary	Permanent	Slow	Colluvium	Longitudinal Bar	Granitoid79_Sandstone20_Shale1	no	Granitoid_Sandstone
095J_2003_1007	-122.76	62.7 0181	3.0	0.3	Inclined	Well	Secondary	Permanent	Fast	Colluvium_Till	Longitudinal Bar	Granitoid75_Sandstone20_Others5	no	Granitoid_Sandstone
095J_2003_1008	-122.70	62.6 7792	3.0	0.2	Inclined	Well	Primary	Permanent	Moderate	Till	Boulder Trap	Granitoid80_Sandstone20	no	Granitoid
095J_2003_1011	-122.52	62.6 3466	4.0	0.3	Inclined	Well	Primary	Permanent	Moderate	Colluvium_Till	Log Trap	Granitoid65_	no	no
095J_2003_1016	-122.36	62.6 3875	3.0	0.2	Inclined	Well	Secondary	Permanent	Moderate	Colluvium_Till	Boulder Trap	Granitoid95_Sandstone/Mudstone5	no	Granitoid
095J_2003_1019	-122.28	62.6 4369	40.0	2.0	Level	Well	Quaternary	Permanent	Moderate	Alluvium_Colluvium	Longitudinal Bar	Granitoid60_Sandstone30_Limestone10	no	Granitoid
095J_2003_1020	-122.22	62.6 4725	4.0	0.3	Inclined	Well	Secondary	Permanent	Fast	Colluvium_Till	Boulder Trap	Granitoid70_Sandstone25_Others5	no	Granitoid_Sandstone
095J_2003_1022	-122.13	62.6 4159	40.0	1.0	Inclined	Well	Quaternary	Permanent	Fast	Alluvium_Till	Longitudinal Bar_Boulder Trap	Granitoid80_Sandstone/Mudstone10_Limestone10	no	Granitoid_Sandstone
095J_2003_1025	-122.01	62.5 9563	50.0	3.0	Inclined	Well	Quaternary	Permanent	Moderate	Alluvium	Longitudinal Bar	Sandstone50_Granitoid40_Limestone10	no	Granitoid
095J_2003_2002	-123.05	62.6 5103	3.0	0.2	Inclined	Moderate	Secondary	Permanent	Slow	Alluvium	Longitudinal Bar	Limestone60_Shale20_Granitoid10_Siltstone10	no	Granitoid
095J_2003_2003	-123.02	62.6 8529	50.0	0.2	Inclined	Well	Quaternary	Permanent	Moderate	Till	Stream Bed	Granitoid50_Limestone30_Shale10_Siltstone10	no	Granitoid
095J_2003_2004	-123.04	62.7 0133	3.0	0.1	Inclined	Well	Secondary	Permanent	Moderate	Till	Boulder Trap	Granitoid50_Limestone30_Shale10_Siltstone10	no	Granitoid
095J_2003_2006	-122.93	62.6 5054	99.0	0.2	Inclined	Moderate	Quaternary	Permanent	Moderate	Till	Longitudinal Bar	Granitoid30_Limestone20_Siltstone25_Shale25	no	Granitoid_Metamorphic
095J_2003_2007	-122.83	62.6 8095	99.0	0.2	Inclined	Moderate	Quaternary	Permanent	Slow	Colluvium	Longitudinal Bar	Granitoid50_Limestone25_Siltstone25	no	no
095J_2003_2010	-122.82	62.6 0089	10.0	0.3	Inclined	Moderate	Tertiary	Permanent	Moderate	Colluvium	Longitudinal Bar	Granitoid50_Siltstone20_Limestone20_Metamorphics10	no	Granitoid
095J_2003_2013	-122.67	62.6 6821	75.0	0.3	Inclined	Moderate	Quaternary	Permanent	Moderate	Colluvium	Longitudinal Bar	Granitoid50_Limestone20_Siltstone20_Metamorphics10	no	no
095J_2003_2016	-122.43	62.6 3028	60.0	0.2	Inclined	Moderate	Quaternary	Permanent	Moderate	Till	Stream Bed	Sedimentary80_Granitoid20	no	Granitoid
095J_2003_2020	-122.34	62.6 1320	1.5	0.1	Inclined	Well	Secondary	Permanent	Fast	Bare Rock_Talus/Scree	Stream Bed	Shale70_Limestone30	Shale	Limestone
095J_2003_2024	-122.09	62.6 4159	25.0	0.0	Inclined	Well	Tertiary	Permanent	Moderate	Till	Longitudinal Bar_Boulder Trap	Granitoid40_Gneiss30_Sedimentary30	no	Granitoid
085E_200_1002	-119.93	61.6 6870	10.0	0.4	Inclined	Moderate	Secondary	Permanent	Slow	Colluvium	Boulder Trap	Granitoid40_Limestone40_Metamorphic10_Sandstone10	no	Metamorphic_Granitoid
085E_200_1003	-119.93	61.6 6870	10.0	0.4	Inclined	Moderate	Secondary	Permanent	Slow	Colluvium	Boulder Trap	Granitoid40_Limestone40_Metamorphic10_Sandstone10	no	Metamorphic_Granitoid
085E_200_1004	-119.81	61.6 5698	10.0	0.3	Level	Poor	Secondary	Permanent	Slow	Colluvium	Boulder Trap	Igneous75_Metamorphic15_Limestone5_Others5	no	Igneous
085E_200_1007	-119.73	61.7 0608	10.0	0.3	Level	Moderate	Quaternary	Permanent	Slow	Colluvium	Boulder Trap	Igneous60_Metamorphic30_Sandstone5_Limestone5	no	Metamorphic_Igneous
085E_200_1008	-119.87	61.6 8593	3.5	0.3	Inclined	Moderate	Quaternary	Permanent	Moderate	Colluvium	Boulder Trap	Igneous60_Metamorphic20_Limestone10_Sandstone10	no	Metamorphic_Igneous
085E_200_2122	-118.76	61.9 9310	4.0	0.4	Inclined	Well	Secondary	Permanent	Fast		Boulder Trap	Granitoid60_Limestone20_SandstoneShale20	no	Granitoid
085E_200_2124	-119.26	61.9 6993			Inclined	Well	Secondary	Permanent	Fast		Boulder Trap	Granitoid70_LimestoneSandstoneShale30	no	Granitoid
085E_200_2126	-118.56	61.8 6629	6.0	1.0	Level	Well	Secondary	Permanent	Moderate	Till_BareRock_Talus/Scree	Stream Bed	Limestone90_Granitoid10	Limestone	Granitoid
085E_200_2127	-118.56	61.8 6629	6.0	1.0	Level	Well	Secondary	Permanent	Moderate	Till_BareRock_Talus/Scree	Stream Bed	Limestone90_Granitoid10	Limestone	Granitoid
085E_200_2144	-118.18	61.8 6807			Level	Moderate	Quaternary	Permanent	ModSlow	Till_Organic	Gravel Veneer	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
085E_200_2145	-118.78	61.8 8218	15.0	2.0	Level	Moderate	Quaternary	Permanent	ModSlow	Alluvium_Till_Outwash	Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
085E_200_2176	-119.68	61.9 5749	2.0	0.1	Inclined	Well	Primary	Permanent	Slow	Till_Organic	Gravel Veneer_Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
085E_200_2177	-119.73	61.9 7948			Level						Beach		no	no
085E_200_2183	-119.61	61.9 9577	10.0	0.2	Inclined	Well	Tertiary	Permanent	Moderate	Till	Boulder Trap_Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
085E_200_2184	-119.61	61.9 9577	10.0	0.2	Inclined	Well	Tertiary	Permanent	Moderate	Till	Boulder Trap_Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
085E_200_2185	-119.60	61.9 3435	5.0	0.2	Inclined	Well	Tertiary	Permanent	Moderate	Till	Stream Bed	Granitoid50_SandstoneLimestoneShale50Limestone40	no	no
085E_200_2188	-119.63	61.7 6313	2.0	0.5	Level	Well	Tertiary	Permanent	Slow	Outwash_Organic	Stream Bed			
085E_200_2190	-119.73	61.9 2029	2.0	0.1	Inclined	Well	Secondary	Permanent	Moderate	Till	Gravel Veneer_Stream Bed	Granitoid50_SandstoneLimestoneShale50	no	no
085E_200_2192	-119.66	61.9 3495	3.0	0.1	Inclined	Well	Primary	Permanent	Moderate	Alluvium_Colluvium_Till	Stream Bed	Granitoid50_Limestone30_SandstoneShale20	no	Granitoid

085F_200	-	61.5	40.0	2.0	Level	Well	Quatern	Permanent	Fast	Alluvium_Colluvium	Transverse Bar	Granitoid60_Sandstone30_Limestone10	no	Sandstone_Granitoid
5_1002	117.92	8236					ary							
085F_200	-	61.6			Level	Well	Quatern	Permanent	Fast	Alluvium_Colluvium	Transverse Bar_Boulder Trap	Granitoid75_Sandstone20_Limestone5	no	Granitoid
5_1003	117.78	6794					ary							
085F_200	-	61.9	30.0	3.0	Level	Moderat	Quatern	Permanent	Modera	Alluvium_Colluvium	Gravel Veneer	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
5_2148	117.47	9050				e	ary		te	Till				
085K_200	-	62.3	25.0	3.0	Inclined	Moderat	Quatern	Permanent	Modera	Alluv	Gravel Veneer	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
5_2149	117.84	2172				e	ary		te					
085L_200	-	62.6	11.0	0.5	Level	Moderat	Tertiary	Permanent	Slow	Colluvium	Beaver Dam	Limestone30_Igneous30_Sandstone20_Othe	no	no
5_1002	119.70	6793				e						rs20		
085L_200	-	62.6	11.0	0.5	Level	Moderat	Tertiary	Permanent	Slow	Colluvium	Beaver Dam	Limestone30_Igneous30_Sandstone20_Othe	no	no
5_1003	119.70	6793				e						rs20		
085L_200	-	62.6	75.0	0.5	Inclined	Well	Quatern	Permanent	Modera	Colluvium	Longitudinal Bar	Igneous60_Limestone30_Others10	no	no
5_1004	119.77	3414					ary		te					
085L_200	-	62.6	2.5	0.5	Level	Poor	Tertiary	Permanent	Slow	Organic	Log Trap	Igneous50_Limestone25_Shale15_Others10	no	no
5_1005	119.68	4024												
085L_200	-	62.6	4.0	0.3	Inclined	Moderat	Seconda	Permanent	Modera	Colluvium	Longitudinal Bar	Igneous50_Metamorphic30_Limestone10_O	no	Igneous
5_1006	119.60	4609				e	ry		te			thers10		
085L_200	-	62.6	3.5	0.6	Inclined	Poor	Tertiary	Permanent	Slow	Colluvium	Gravel Veneer	Igneous60_Metamorphic30_Limestone5_Ot	no	no
5_1007	119.51	1279										hers5		
085L_200	-	62.6	30.0	0.5	Level	Well	Quatern	Permanent	Modera	Alluvium_Colluvium	Point Bar	Granitoid50_Sedimentary50	no	Granitoid
5_1010	119.94	7677					ary		te					
085L_200	-	62.6	3.0	0.4	Level	Well	Quatern	Permanent	Modera	Alluvium_Colluvium	Point Bar	Granitoid50_Sedimentary50	no	Granitoid
5_1011	119.78	0120					ary		te					
085L_200	-	62.5	1.5	0.2	Level	Moderat	Primary	Permanent	Slow	Colluvium	Boulder Trap	Granitoid90_Sedimentary10	no	Granitoid
5_1014	119.90	5579				e								
085L_200	-	62.5	3.0	0.3	Inclined	Well	Quatern	Permanent	Fast	Alluvium_Colluvium	Longitudinal Bar	Granitoid75_Metamorphic15_Sedimentary1	no	Granitoid
5_1016	119.80	2786					ary					0		
085L_200	-	62.4	2.5	0.2	Inclined	Well	Seconda	Permanent	Modera	Alluvium_Colluvium	Boulder Trap	Granitoid50_Sedimentary20_Metamorphic3	no	Granitoid
5_1017	119.68	9896					ry		te			0		
085L_200	-	62.4	1.8	0.3	Inclined	Well	Seconda	Permanent	Slow	Colluvium	Log Trap	Granitoid80_Sedimentary20	no	Granitoid
5_1018	119.79	6870					ry							
085L_200	-	62.4	30.0	0.3	Inclined	Well	Quatern	Permanent	Fast	Alluv	Point Bar	Granitoid80_Sedimentary20	no	Granitoid
5_1019	119.76	5073					ary							
085L_200	-	62.4	3.0	0.3	Inclined	Well	Seconda	Permanent	Modera	Colluvium	Log Trap	Granitoid60_Sedimentary25_Metamorphic1	no	no
5_1023	119.81	0203					ry		te			5		
085L_200	-	62.4	2.5	0.4	Inclined	Well	Primary	Permanent	Fast	Colluvium	Stream Bed	Igneous55_Metamorphic20_Limestone20_O	no	Limestone_Greenstone_Granit
5_1027	119.91	5482										thers5		oid
085L_200	-	62.4	3.0	0.4	Inclined	Well	Seconda	Permanent	Fast	Outwash	Longitudinal Bar	Igneous55_Metamorphic40_Limestone15	no	Limestone_Greenstone_Granit
5_1028	119.96	5107					ry							oid
085L_200	-	62.4	3.0	0.4	Inclined	Well	Seconda	Permanent	Fast	Outwash	Longitudinal Bar	Igneous55_Metamorphic40_Limestone15	no	Limestone_Greenstone_Granit
5_1029	119.96	5107					ry							oid
085L_200	-	62.4	2.5	0.4	Inclined	Well	Seconda	Permanent	Fast	Outwash	Longitudinal Bar	Igneous50_Metamorphic20_Limestone30	no	Limestone_Greenstone_Granit
5_1030	119.99	7316					ry							oid
085L_200	-	62.4	1.5	0.3	Inclined	Well	Primary	Reemerg	Modera	Outwash	Longitudinal Bar	Granitoid60_Metamorphic20_Limestone15_	no	Limestone_Greenstone_Granit
5_1033	119.69	6609							te			Sandstone5		oid
085L_200	-	62.4	1.5	0.2	Inclined	Well	Primary	Permanent	Modera	Till	Longitudinal Bar	Igneous50_Metamorphic30_Limestone10_O	no	Limestone_Greenstone_Granit
5_1034	119.59	6310							te			thers10		oid
085L_200	-	62.4	1.5	0.2	Inclined	Well	Primary	Intermittent	Modera	Till	Stream Bed	Igneous50_Metamorphic30_Limestone10_O	no	Limestone_Greenstone_Granit
5_1035	119.51	5491							te			thers10		oid
085L_200	-	62.4	4.0	0.5	Inclined	Well	Seconda	Intermittent	Modera	Outwash	Pool	Igneous60_Metamorphic15_Limestone15_O	no	Limestone_Greenstone_Granit
5_1037	119.33	2934					ry		te			thers10		oid
085L_200	-	62.3	1.5	0.3	Inclined	Moderat	Primary	Permanent	Modera	Colluvium	Stream Bed	Igneous50_Metamorphic30_Others20	no	Metamorphic_Igneous
5_1039	119.49	7078				e			te					
085L_200	-	62.5	2.0	0.2	Inclined	Moderat	Primary	Permanent	Slow	Colluvium	Stream Bed	Granitoid80_Metamorphic20	no	Granitoid
5_1040	119.63	1277				e								
085L_200	-	62.5	1.5	0.2	Inclined	Well	Primary	Permanent	Slow	Alluvium_Colluvium	Point Bar	Granitoid80_Metamorphic10_Sedimentary1	no	Granitoid
5_1042	119.60	2464										0		
085L_200	-	62.4	3.0	0.3	Inclined	Moderat	Primary	Permanent	Slow	Colluvium	Point Bar	Granitoid70_Sedimentary20_Metamorphic1	no	Granitoid
5_1043	119.54	9955				e						0		
085L_200	-	62.5	3.5	0.4	Level	Well	Seconda	Permanent	Slow	Colluvium	Log Trap	Granitoid65_Sedimentary35	no	no
5_1046	119.53	5215					ry							
085L_200	-	62.7	1.5	0.5	Level	Moderat	Tertiary	Permanent	Fast	Colluvium	Stream Bed	Granitoid60_Sedimentary40	no	Granitoid
5_1047	119.56	4076				e								
085L_200	-	62.6	15.0	0.3	Level	Well	Tertiary	Permanent	Fast	Alluvium_Colluvium	Point Bar	Granitoid70_Sedimentary30	no	Granitoid
5_1048	119.37	8980												
085L_200	-	62.6	8.0	0.3	Level	Well	Tertiary	Permanent	Slow	Colluvium	Gravel Veneer	Granitoid80_Sedimentary20	no	Granitoid
5_1049	119.36	4022												
085L_200	-	62.5	4.0	0.2	Level	Well	Seconda	Permanent	Modera	Colluvium	Stream Bed	Granitoid_Sedimentary	no	Granitoid
5_1053	119.45	6382					ry		te					
085L_200	-	62.5	3.0	0.3	Level	Well	Primary	Permanent	Slow	Colluvium	Log Trap	Granitoid60_Sedimentary40	no	no
5_1054	119.42	4113												
085L_200	-	62.4	4.0	0.5	Level	Poor	Tertiary	Permanent	Slow	Colluvium	Longitudinal Bar	Igneous40_Metamorphic20_Limestone30_O	no	no
5_1055	118.41	5318										thers10		
085L_200	-	62.4	4.0	0.5	Level	Poor	Tertiary	Permanent	Slow	Colluvium	Longitudinal Bar	Igneous40_Metamorphic20_Limestone30_O	no	no
5_1056	118.41	5318										thers10		
085L_200	-	62.4	30.0	0.2	Level	Poor	Tertiary	Permanent	Slow	Colluvium	Longitudinal Bar	Igneous40_Metamorphic25_Limestone25_O	no	no
5_1057	118.40	5876										thers10		
085L_200	-	62.3	30.0	0.5	Inclined	Moderat	Quatern	Permanent	Fast	Colluvium	Boulder Trap	Igneous50_Limestone40_Others10	no	Igneous
5_1059	118.01	5464				e	ary							
085L_200	-	62.4	35.0	0.5	Inclined	Moderat	Quatern	Permanent	Modera	Colluvium	Boulder Trap	Igneous60_Limestone20_Others20	no	Limestone_Metamorphic_Sand
5_1060	118.23	1435				e	ary		te					stone_Igneous
085L_200	-	62.4	4.0	0.3	Level	Poor	Tertiary	Permanent	Modera	Colluvium	Gravel Veneer	Mudstone60_Igneous30_Limestone10	no	Igneous
5_1062	118.23	1083							te					
085L_200	-	62.3	12.0		Inclined	Moderat	Tertiary	Permanent	Modera	Outwash	Longitudinal Bar	Igneous50_Metamorphic20_Limestone10_S	no	Igneous
5_1063	118.48	8589				e			te			andstone10_Others10		

085L_2005_1064	-118.488589	62.3	12.0		Inclined	Moderate	Tertiary	Permanent	Moderate	Outwash	Longitudinal Bar	Igneous50_Metamorphic20_Limestone10_Sandstone10_Others10	no	Igneous
085L_2005_1066	-118.221795	62.3	1.5	0.3	Level	Poor	Secondary	Permanent	Moderate	Outwash	Longitudinal Bar	Igneous60_Sandstone25_Others15	no	no
085L_2005_1067	-118.276533	62.2	5.0	0.3	Inclined	Moderate	Secondary	Permanent	Slow	Colluvium	Longitudinal Bar	Igneous60_Metamorphic20_Others20	no	Igneous
085L_2005_1068	-118.370801	62.3	2.0	0.4	Level	Moderate	Secondary	Permanent	Slow	Colluvium	Beaver Dam	Igneous65_Metamorphic25_Limestone5_Others5	no	no
085L_2005_1069	-118.489446	62.2	1.5	0.2	Hummocky	Moderate	Primary	Intermittent	Slow	Colluvium	Stream Bed	Igneous55_Limestone20_Others25	no	Igneous
085L_2005_1070	-119.283437	62.6	8.0	0.3	Level	Moderate	Tertiary	Permanent	Moderate	Colluvium	Gravel Veneer	Granitoid75_Limestone15_Sedimentary10	no	Granitoid
085L_2005_1071	-119.332802	62.6	7.0	0.3	Level	Moderate	Secondary	Permanent	Slow	Colluvium	Gravel Veneer	Granitoid75_Limestone15_Sedimentary10	no	Granitoid
085L_2005_1072	-119.299290	62.5	4.0	0.3	Level	Moderate	Secondary	Permanent	Slow	Colluvium	Boulder Trap	Granitoid75_Sedimentary15_Limestone10	no	Granitoid
085L_2005_1074	-119.235660	62.5	8.0	0.3	Level	Well	Secondary	Permanent	Slow	Outwash	Longitudinal Bar	Granitoid80_Limestone10_Sedimentary10	no	no
085L_2005_1080	-119.252128	62.5	15.0	0.2	Level	Well	Secondary	Permanent	Moderate	Alluvium_Colluvium	Boulder Trap	Granitoid70_Sedimentary15_Limestone5_Metamorphic10	no	Schist_Granitoid
085L_2005_1082	-119.449506	62.4	5.0	0.2	Level	Moderate	Primary	Permanent	Slow	Alluvium_Colluvium	Point Bar	Granitoid65_Limestone20_Sandstone15	no	Granitoid
085L_2005_1083	-119.449506	62.4	5.0	0.2	Level	Moderate	Primary	Permanent	Slow	Alluvium_Colluvium	Point Bar	Granitoid65_Limestone20_Sandstone15	no	Granitoid
085L_2005_1084	-119.307723	62.4	2.5	0.2	Level	Well	Secondary	Permanent	Moderate	Alluv	Boulder Trap	Granitoid75_Metamorphic5_Limestone10_Sedimentary10	no	Limestone_Granitoid
085L_2005_1085	-119.277367	62.4	5.0	0.1	Level	Well	Secondary	Permanent	Moderate	Alluv	Boulder Trap	Granitoid80_Limestone10_Sedimentary10	no	Granitoid
085L_2005_1086	-119.174344	62.6	12.0	0.5	Level	Well	Tertiary	Permanent	Fast	Colluvium	Longitudinal Bar	Granitoid70_Sedimentary20_Metamorphic10	no	Granitoid
085L_2005_1090	-119.105093	62.5	3.0	0.2	Level	Well	Secondary	Permanent	Moderate	Alluvium_Colluvium	Pool	Granitoid75_Sedimentary25	no	no
085L_2005_1092	-119.134370	62.5	3.0	0.1	Level	Well	Secondary	Permanent	Slow	Colluvium	Stream Bed	Granitoid80_Metamorphic10_Sedimentary10	no	Granitoid
085L_2005_1093	-119.191136	62.5	3.5	0.3	Level	Moderate	Secondary	Permanent	Slow	Alluvium_Colluvium	Log Trap	Granitoid80_Sedimentary20	no	
085L_2005_1094	-119.139910	62.4	5.0	0.3	Level	Well	Secondary	Permanent	Moderate	Alluvium_Colluvium	Longitudinal Bar	Granitoid50_Sedimentary50	no	Granitoid
085L_2005_1095	-119.021141	62.5	10.0	0.3	Inclined	Well	Secondary	Permanent	Moderate	Colluvium	Boulder Trap	Granitoid90_Sedimentary10	no	Granitoid
085L_2005_1096	-119.019916	62.4	3.0	0.2	Level	Well	Secondary	Permanent	Moderate	Colluvium	Stream Bed	Granitoid75_Sedimentary25	no	no
085L_2005_1097	-119.217486	62.4	6.0	0.2	Level	Well	Primary	Permanent	Slow	Alluvium_Colluvium	Point Bar_Stream Bed	Granitoid80_Sedimentary20	no	Granitoid
085L_2005_1098	-119.415500	62.3									Beach Sand			
085L_2005_1100	-118.880380	62.5	15.0	0.3	Level	Well	Tertiary	Permanent	Fast	Alluvium_Colluvium	Boulder Trap	Granitoid75_Sandstone15_Limestone10	no	Limestone_Granitoid
085L_2005_1102	-119.002492	62.5	5.0	0.2	Level	Well	Tertiary	Permanent	Moderate	Alluv	Point Bar	Granitoid65_Limestone10_Sandstone20_Shale5	no	no
085L_2005_1103	-118.907645	62.4	10.0	0.4	Level	Well	Tertiary	Permanent	Fast	Alluvium_Colluvium	Transverse Bar	Granitoid60_Sandstone35_Shale5	no	Granitoid
085L_2005_1104	-118.874476	62.4	20.0	0.4	Level	Moderate	Secondary	Permanent	Slow	Colluvium	Longitudinal Bar	Granitc75_Sedimentary20_Limestone5	no	no
085L_2005_1105	-118.986432	62.4	7.0	0.2	Level	Moderate	Primary	Permanent	Moderate	Alluvium_Colluvium	Longitudinal Bar	Granitoid65_Limestone15_Metamorphic5_Sedimentary15	no	Granitoid
085L_2005_1106	-118.986432	62.4	7.0	0.2	Level	Moderate	Primary	Permanent	Moderate	Alluvium_Colluvium	Longitudinal Bar	Granitoid65_Limestone15_Metamorphic5_Sedimentary15	no	Granitoid
085L_2005_1107	-119.022481	62.4	10.0	0.5	Level	Moderate	Primary	Permanent	Slow	Alluvium_Colluvium	Boulder Trap	Granitoid70_Sandstone25_Limestone5	no	Sandstone_Granitoid
085L_2005_1108	-119.152223	62.4	3.0	0.2	Level	Moderate	Secondary	Permanent	Slow	Colluvium	Stream Bed	Granitoid60_Limestone15_Sandstone15_Shale5_Metamorphic5	no	Sandstone_Granitoid
085L_2005_1109	-119.115391	62.4	4.0	0.4	Level	Moderate	Secondary	Permanent	Moderate	Alluvium_Colluvium	Gravel Veneer	Granitoid65_Greenstone5_Limestone10_Sedimentary20	no	Granitoid
085L_2005_1111	-119.157160	62.4	5.0	0.3	Level	Well	Secondary	Permanent	Moderate	Alluv	Boulder Trap	Granitoid60_Metamorphic5_Limestone10_Sedimentary25	no	Metamorphic_Granitoid
085L_2005_1113	-119.289132	62.3	4.0	0.4	Level	Poor	Secondary	Permanent	Slow	Colluvium	Diagonal Bar	Granitoid60_Limestone10_Sedimentary30	no	Limestone
085L_2005_1116	-118.775017	62.5	20.0	0.4	Level	Moderate	Tertiary	Permanent	Fast	Colluvium	Boulder Trap	Granitoid65_Limestone10_Sedimentary25	no	Granitoid
085L_2005_1118	-118.621250	62.4	4.0	0.3	Level	Moderate	Secondary	Permanent	Moderate	Colluvium	Longitudinal Bar	Granitoid70_Metamorphic10_Limestone20	no	Granitoid
085L_2005_1119	-118.521309	62.4	7.0	0.4	Level	Moderate	Tertiary	Permanent	Moderate	Alluvium_Colluvium	Point Bar	Granitoid65_Limestone5_Metamorphic5_Sedimentary25	no	Metamorphic_Granitoid
085L_2005_1120	-118.628059	62.3	4.0	0.3	Level	Moderate	Secondary	Permanent	Slow	Alluvium_Colluvium	Transverse Bar	Granitoid70_Limestone10_Shale5_Sedimentary15	no	no
085L_2005_1122	-118.705090	62.4	15.0	0.3	Level	Moderate	Secondary	Permanent	Moderate	Alluvium_Colluvium	Boulder Trap	Granitoid60_Shale10_Metamorphic10_Sedimentary20	no	Granitoid
085L_2005_1123	-118.757905	62.3	10.0	0.2	Level	Well	Secondary	Permanent	Moderate	Alluvium_Colluvium	Longitudinal Bar	Granitoid70_Greenstone5_Limestone10_Other15	no	Metamorphic_Granitoid
085L_2005_1124	-118.776596	62.3			Level	Well	Secondary	Permanent	Fast	Alluv	Boulder Trap	Limestone5_Granitoid60_Sandstone30_Shale5	no	Limestone_Sandstone_Granitoid
085L_2005_1125	-118.776596	62.3			Level	Well	Secondary	Permanent	Fast	Alluv	Boulder Trap	Limestone5_Granitoid60_Sandstone30_Shale5	no	Limestone_Sandstone_Granitoid
085L_2005_1126	-118.870764	62.4	4.0	0.3	Level	Well	Secondary	Permanent	Moderate	Alluvium_Colluvium	Boulder Trap	Granitoid60_Limestone5_Sedimentary35	no	Sandstone_Granitoid

085L_200	-	62.4	3.5	0.3	Level	Well	Seconda	Permanent	Modera	Alluv	Boulder Trap	Granitoid65_Limestone10_Metamorphic5_S	no	Limestone_Metamorphic_Gran	
5_1127	118.93	2267					ry		te			edimentary20		itoid	
085L_200	-	62.3			Level	Well	Seconda	Permanent	Modera	Alluvium_Colluvium	Boulder Trap	Granitoid70_Limestone10_Sedimentary20	no	Limestone_Granitoid	
5_1128	119.00	8153					ry		te						
085L_200	-	62.3	15.0	0.5	Inclined	Moderat	Tertiary	Permanent	Fast	Colluvium	Boulder Trap	Granitoid70_Limestone10_Metamorphic10_	no	IgneousGranitoid	
5_1130	119.69	5501				e						Others10			
085L_200	-	62.3	10.0	0.2	Inclined	Moderat	Seconda	Intermittent	Slow	Colluvium	Stream Bed	Granitoid60_Metamorphic20_Limestone10_	no	Limestone_Sandstone_Granitoi	
5_1132	119.74	8326				e	ry					Sandstone10		d	
085L_200	-	62.4	70.0	0.5	Inclined	Moderat	Quatern	Permanent	Fast	Alluv	Longitudinal Bar	Granitoid60_Metamorphic20_Others20	no	Metamorphic_Granitoid	
5_1133	119.74	0179				e	ary								
085L_200	-	62.4	5.0	0.3	Inclined	Moderat	Seconda	Permanent	Slow	Colluvium	Stream Bed	Granitoid60_Metamorphic20_Limestone10_	no	Metamorphic_Limestone_Sand	
5_1134	119.75	1352				e	ry					Sandstone5_Others5		stone_Granitoid	
085L_200	-	62.3	5.0	0.7	Inclined	Moderat	Seconda	Permanent	Slow	Colluvium	Longitudinal Bar	Granitoid50_Metamorphic30_Limestone10_	no	Granitoid	
5_1135	119.31	3376				e	ry					Sandstone10			
085L_200	-	62.3	5.0	0.3	Inclined	Moderat	Seconda	Intermittent	Modera	Outwash	Stream Bed	Granitoid50_Metamorphic20_Limestone10_	no	Metamorphic_Granitoid	
5_1140	118.65	4285				e	ry		te			Others10			
085L_200	-	62.3	3.0	0.4	Inclined	Moderat	Seconda	Permanent	Modera	Outwash	Longitudinal Bar	Granitoid50_Metamorphic30_Limestone10_	no	Metamorphic_Sandstone_Grani	
5_1142	118.61	2884				e	ry		te			Siltstone10		toid	
085L_200	-	62.3	3.0	0.4	Inclined	Moderat	Seconda	Permanent	Modera	Outwash	Longitudinal Bar	Granitoid50_Metamorphic30_Limestone10_	no	Metamorphic_Sandstone_Grani	
5_1143	118.61	2884				e	ry		te			Siltstone10		toid	
085L_200	-	62.3	3.0	0.3	Inclined	Moderat	Tertiary	Permanent	Modera	Outwash	Stream Bed	Granitoid60_Metamorphic20_Limestone10_	no	Metamorphic_Granitoid	
5_1144	118.56	3468				e			te			Others10			
085L_200	-	62.2	6.0	0.4	Inclined	Moderat	Seconda	Permanent	Fast	Colluvium	Boulder Trap	Granitoid_Metamorphic_Limestone10_Sand	no	Metamorphic_Limestone_Gran	
5_1145	118.68	7747				e	ry					stone10		itoid	
085L_200	-	62.2	3.0	0.3	Level	Moderat	Seconda	Permanent	Modera	Colluvium	Gravel	Granitoid85_Limestone15	no	Granitoid	
5_1146	119.41	4264				e	ry		te		Veneer_Boulder				
085L_200	-	62.1	6.0	0.2	Level	Well	Seconda	Permanent	Modera	Colluvium	Boulder Trap	Granitoid75_Limestone5_Sedimentary20	no	Granitoid	
5_1149	119.29	5237					ry		te						
085L_200	-	62.1	4.0	0.5	Level	Well	Seconda	Permanent	Modera	Colluvium	Boulder Trap	Granitoid80_Sedimentary15_Limestone5	no	Granitoid	
5_1151	119.43	4679					ry		te						
085L_200	-	62.1	7.0	0.2	Level	Moderat	Seconda	Permanent	Modera	Colluvium	Point Bar	Granitoid80_Limestone10_Sandstone10	no	Granitoid	
5_1152	119.37	3861				e	ry		te						
085L_200	-	62.1	15.0	0.2	Level	Well	Tertiary	Permanent	Modera	Colluvium	Point Bar	Granitoid85_Sedimentary10_Limestone5	no	Granitoid	
5_1153	119.32	2667							te						
085L_200	-	62.1	20.0	0.4	Level	Moderat	Tertiary	Permanent	Modera	Colluvium	Transverse Bar	Granitoid70_Sandstone20_Limestone10	no	Sandstone_Granitoid	
5_1154	119.35	0474				e			te						
085L_200	-	62.0	2.0	0.2	Level	Poor	Primary	Permanent	Slow	Colluvium	Boulder Trap	Granitoid85_Sandstone10_Limestone5	no	Limestone_Granitoid	
5_1162	119.39	0171													
085L_200	-	62.2	7.0	0.2	Inclined	Moderat	Tertiary	Permanent	Modera	Till	Stream Bed	Granitoid50_Others50	no	Granitoid	
5_2098	119.93	5306				e			te						
085L_200	-	62.3	10.0	0.1	Inclined	Well	Tertiary	Permanent	Modera	Till	Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid	
5_2102	119.66	0253							te						
085L_200	-	62.3	20.0	0.1	Inclined	Well	Tertiary	Permanent	Modera	Till	Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid	
5_2103	119.70	1734							te						
085L_200	-	62.3			Inclined	Well	Quatern	Permanent	Fast	Till	Boulder Trap	Granitoid50_LimestoneSandstoneShale50	no	Granitoid	
5_2106	119.66	5266					ary								
085L_200	-	62.0	3.0	0.2	Inclined	Well	Tertiary	Permanent	Modera	Till	Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid	
5_2107	118.46	6034							te						
085L_200	-	62.0	25.0	0.1	Inclined	Moderat	Primary	Permanent	Modera	Alluvium_Colluvium	Stream Bed	Shale90_Limestone10	no	no	
5_2108	118.03	8436				e			te						
085L_200	-	62.1	10.0	0.1	Inclined	Well	Primary	Permanent	Modera	Talus/Scree	Boulder	Shale90_Granitoid5_Limestone5	Black	Granitoid	
5_2110	118.05	1085							te		Trap_Stream Bed		Shale		
085L_200	-	62.0	3.0	0.2	Inclined	Well	Seconda	Permanent	Modera	Till_Organic	Stream Bed	Granitoid70_Limestone10_Shale20	no	Granitoid	
5_2112	118.22	7862					ry		te						
085L_200	-	62.0	2.0	0.3	Inclined	Well	Seconda	Permanent	Modera	Till_Outwash	Boulder Trap	Granitoid70_Limestone10_Shale20	no	Granitoid	
5_2113	118.27	7756					ry		te						
085L_200	-	62.0	5.0	0.3	Inclined	Well	Seconda	Permanent	Modera	Till_Outwash	Stream Bed	Granitoid50_Shale50	no	Granitoid	
5_2114	118.44	7164					ry		te						
085L_200	-	62.2	10.0	0.1	Inclined	Well	Seconda	Permanent	Modera	Till	Stream Bed	Granitoid50_Limestone30_Shale10_Sandsto	no	Granitoid	
5_2115	118.28	2453					ry		te			ne10			
085L_200	-	62.2	2.0	0.1	Level	Moderat	Primary	Permanent	Modera	Till	Stream Bed	Granitoid50_Limestone30_Shale10_Others1	no	Granitoid	
5_2116	118.48	3150				e			te			0			
085L_200	-	62.0	3.0	0.1	Level	Well	Seconda	Permanent	Modera	Till	Boulder Trap	Granitoid50_Limestone40_SandstoneSH10	no	Granitoid	
5_2118	118.47	9503					ry		te						
085L_200	-	62.0	1.0	0.3	Inclined	Moderat	Seconda	Permanent	Modera	Colluvium	Stream Bed	Shale/Mudstone90_Granitoid10	no	Granitoid	
5_2129	118.12	9894				e	ry		te						
085L_200	-	62.2	2.5	0.3	Inclined	Moderat	Seconda	Permanent	Slow	Colluvium	Longitudinal Bar	Granitoid70_Limestone20_Sandstone10	no	no	
5_2130	118.15	5388				e	ry								
085L_200	-	62.2	3.5	0.3	Level	Well	Primary	Permanent	Slow	Colluvium	Stream Bed	Granitoid60_Sandstone25_Limestone10_Sh	no	no	
5_2131	118.10	3947										ale5			
085L_200	-	62.2	3.0	0.3	Level	Moderat	Primary	Permanent	Slow	Colluvium	Point Bar	Granitoid70_Sandstone20_Limestone10	no	Granitoid	
5_2133	118.08	2897				e									
085L_200	-	62.2	4.0	0.2	Level	Well	Seconda	Permanent	Slow	Alluv	Boulder Trap	Granitoid70_Limestone10_Sandstone10_Me	no	Metamorphic_Granitoid	
5_2134	118.54	4730					ry					tamorphic5			
085L_200	-	62.2	6.0	0.4	Level	Moderat	Primary	Permanent	Modera	Colluvium	Boulder Trap	Granitoid70_Limestone10_Sedimentary10_	no	Granitoid	
5_2139	118.77	3677				e			te			Shale10			
085L_200	-	62.1			Level						Beach	Granitoid95_Micas5	no	no	
5_2140	118.94	6732													
085L_200	-	62.2			Level	Moderat	Seconda	Permanent	Slow	Organic	Beach	Sand	no	no	
5_2152	119.59	3841				e	ry								
085L_200	-	62.2	2.0	0.2	Level	Moderat	Tertiary	Permanent	Modera		Boulder Trap	Granitoid50_LimestoneSandstoneShale50	no	Granitoid	
5_2153	119.72	3729				e			te						
085L_200	-	62.2	2.0	0.2	Level	Moderat	Tertiary	Permanent	Modera		Boulder Trap	Granitoid50_LimestoneSandstoneShale50	no	Granitoid	
5_2154	119.72	3729				e			te						
085L_200	-	62.1	2.0	0.3	Inclined	Well	Seconda	Permanent	Modera	Till_Organic	Boulder	Granitoid50_LimestoneSandstoneShale50	no	Granitoid	
5_2160	119.64	1398					ry		te		Trap_Stream Bed				

085L_200	-	62.0	5.0	0.4	Inclined	Well	Tertiary	Permanent	Modera	Till	Transverse Bar	Granitoid60_Limestone30_Sandstone10	no	Granitoid
5_2164	119.50	6364							te					
085L_200	-	62.1	5.0	0.3	Level	Well	Tertiary	Permanent	Modera	Till	Boulder	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
5_2169	119.91	3721							te		Trap_Stream Bed			
085L_200	-	62.1	5.0	0.3	Level	Well	Tertiary	Permanent	Modera	Till	Boulder	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
5_2170	119.91	3721							te		Trap_Stream Bed			
085L_200	-	62.0	2.0	0.3	Level	Moderat	Primary	Permanent	Modera	Till_Organic	Beach	Sand	no	no
5_2172	119.85	6583				e			te					
085L_200	-	62.0	3.0	0.5	Level	Moderat	Seconda	Permanent	Modera	Till_Organic	Beach		no	no
5_2180	119.63	3823				e	rv		te					
085L_200	-	62.3	0.5	0.1	Level	Moderat	Primary	Intermittent	Slow	Outwash	Beach	Granitoid70_Limestone10_Metamorphic20	no	Limestone_Granitoid
5_2193	119.39	1100				e								
085L_200	-	62.2	20.0	0.5	Inclined	Moderat	Tertiary	Permanent	Fast	Colluvium	Stream Bed	Granitoid80_Metamorphic20	no	Granitoid
5_2194	119.31	7182				e								
085L_200	-	62.3	2.5	0.4	Level	Poor	Seconda	Permanent	Slow	Organic	Gravel Veneer	Granitoid80_Metamorphic15_5	no	no
5_2196	119.17	0663					rv							
085L_200	-	62.2	2.5	0.3	Inclined	Moderat	Primary	Intermittent	Slow	Till	Stream Bed	Granitoid50_Metamorphic30_Sandstone10_	no	Sandstone_Metamorphic_Granitoid
5_2199	118.73	9838				e						Limestone10		
085L_200	-	62.2	1.5	0.3	Inclined	Moderat	Seconda	Permanent	Modera	Alluv	Gravel Veneer	Granitoid50_Metamorphic20_Limestone10_	no	Metamorphic_Sandstone_Limestone_Granitoid
5_2200	118.88	2826				e	rv		te			Sandstone10_Shale10		
085L_200	-	62.2	2.0	0.3	Inclined	Moderat	Seconda	Intermittent	Slow	Colluvium	Stream Bed	Granitoid60_Metamorphic20_Limestone10_	no	Metamorphic_Limestone_Sandstone_Granitoid
5_2202	118.55	8001				e	rv					Sandstone10		
085L_200	-	62.2	2.0	0.3	Inclined	Moderat	Seconda	Intermittent	Slow	Colluvium	Stream Bed	Granitoid60_Metamorphic20_Limestone10_	no	Metamorphic_Limestone_Sandstone_Granitoid
5_2203	118.55	8001				e	rv					Sandstone10		
085L_200	-	62.0	1.0	0.2	Inclined	Poor	Seconda	Intermittent	Slow	Colluvium	Beach	Granitoid60_Metamorphic30_Limestone5_S	no	Metamorphic_Granitoid
5_2204	118.68	9752					rv					andstone5		
085L_200	-	62.1	2.5	0.6	Level	Poor	Seconda	Permanent	Slow	Organic	Stream Bed	Granitoid60_Metamorphic25_Limestone10_	no	Granitoid
5_2206	118.84	2142					rv					Shale5		
085L_200	-	62.2	2.0	0.3	Level	Poor	Seconda	Permanent	Slow	Colluvium	Stream Bed	Granitoid50_Metamorphic20_Limestone20_	no	no
5_2207	119.02	2482					rv					Sandstone10		
085L_200	-	62.2	1.2	0.3	Level	Poor	Seconda	Permanent	Slow	Outwash	Beach	Granitoid70_Metamorphic20_Others10	no	Metamorphic_Granitoid
5_2209	119.27	2738					rv							
085L_200	-	62.1	5.0	1.0	Level	Moderat	Seconda	Permanent	Modera	Till_Organic	Beach		no	no
5_2213	119.13	2933				e	rv		te					
085L_200	-	62.1	2.0	3.0	Level	Moderat	Primary	Permanent	Modera	Till	Stream Bed	Granitoid		
5_2215	118.92	4933				e			te					
095H_200	-	61.8	12.0	0.1	Inclined	Moderat	Quatern	Permanent	Slow	Outwash	Boulder Trap	Granitoid50_Sandstone20_Metamorphic20_	no	Granitoid
5_1002	121.61	9241				e	arv					Limestone10		
095H_200	-	61.7	30.0	0.5	Inclined	Moderat	Quatern	Permanent	Modera	Alluv	Gravel Veneer	Igneous60_Metamorphic30_Limestone5_Others5	no	Metamorphic_Igneous
5_1003	120.63	7549				e	arv		te					
095H_200	-	61.7	1.5	0.2	Inclined	Moderat	Primary	Permanent	Modera	Outwash	Stream Bed	Igneous40_Metamorphic35_Siltstone15_Others10	no	Metamorphic_Igneous
5_1004	120.57	7765				e			te					
095H_200	-	61.7	40.0	0.4	Inclined	Moderat	Quatern	Permanent	Fast	Colluvium	Gravel	Igneous50_Metamorphic35_Limestone10_S	no	Igneous
5_1005	120.54	6695				e	arv				Veneer_Boulder	iltstone5		
095H_200	-	61.7	2.5	0.2	Level	Poor	Seconda	Permanent	Slow	Colluvium	Gravel Veneer	Igneous30_Metamorphic30_Limestone25_S	no	Yes
5_1006	120.57	4193					rv					iltstone15		
095H_200	-	61.7	13.0	0.3	Level	Moderat	Quatern	Permanent	Modera	Organic	Gravel Veneer	Igneous30_Metamorphic20_Limestone25_S	no	Igneous
5_1009	120.36	0281				e	arv		te			iltstone15_Others10		
095H_200	-	61.6	18.0		Level	Moderat	Quatern	Permanent	Modera	Outwash	Gravel Veneer	Igneous40_Metamorphic25_Limestone25_S	no	Igneous
5_1011	120.21	8392				e	arv		te			iltstone10		
095H_200	-	61.6	13.0	0.4	Level	Moderat	Quatern	Permanent	Modera	Colluvium	Gravel Veneer	Igneous40_Metamorphic25_Limestone20_O	no	Igneous
5_1014	120.04	8656				e	arv		te			thers15		
095H_200	-	61.7	5.0	0.8	Level	Poor	Seconda	Permanent	Modera	Colluvium	Boulder Trap	Granitoid90_Others10	no	Granitoid
5_1015	120.16	2205					rv		te					
095H_200	-	61.8	1.8	0.2	Inclined	Moderat	Primary	Permanent	Modera	Colluvium	Longitudinal Bar	Igneous50_Metamorphic20_Limestone20_S	no	Igneous
5_1017	120.52	1922				e			te			iltstone10		
095H_200	-	61.8	1.8	0.2	Inclined	Moderat	Primary	Permanent	Modera	Colluvium	Longitudinal Bar	Igneous50_Metamorphic20_Limestone20_S	no	Igneous
5_1018	120.52	1922				e			te			iltstone10		
095H_200	-	61.8	5.0	0.5	Inclined	Well	Seconda	Permanent	Fast	Colluvium	Boulder Trap	Igneous60_Metamorphic20_Sandstone20	no	Metamorphic_Igneous
5_1020	120.09	3641					rv							
095H_200	-	61.9	1.0	0.2	Inclined	Moderat	Primary	Permanent	Slow	Colluvium	Stream Bed	Igneous50_Metamorphic20_Sandstone20_Li	no	no
5_1022	120.38	5682				e						mestone10		
095H_200	-	61.9	0.8	0.2	Inclined	Moderat	Primary	Permanent	Modera	Colluvium	Log Trap	BlackShale75_Igneous20_Sandstone5	no	no
5_1023	120.24	2298				e			te					
095H_200	-	61.9	0.7	0.1	Inclined	Moderat	Seconda	Permanent	Modera	Colluvium	Longitudinal Bar	Shale80_Igneous10_Others10	no	no
5_1024	120.11	1190				e	rv		te					
095H_200	-	61.9	3.0	0.2	Inclined	Moderat	Seconda	Permanent	Fast		Longitudinal Bar	Igneous50_Metamorphic25_Sandstone20_Li	no	Metamorphic_Igneous
5_1025	120.07	0984				e	rv					mestone5		
095H_200	-	61.9	3.0	0.2	Inclined	Moderat	Seconda	Permanent	Fast		Longitudinal Bar	Igneous50_Metamorphic25_Sandstone20_Li	no	Metamorphic_Igneous
5_1026	120.07	0984				e	rv					mestone5		
095H_200	-	61.9	12.0	0.4	Inclined	Well	Seconda	Permanent	Fast	Colluvium	Boulder Trap	Igneous80_Sandstone15_Limestone5	no	Sandstone_Igneous
5_1027	120.07	5132					rv							
095H_200	-	61.8	3.0	0.1	Inclined	Well	Seconda	Permanent	Modera	Colluvium	Boulder Trap	Metamorphic60_Sedimentary40	no	Granitoid
5_2002	120.78	3993					rv		te					
095H_200	-	61.8	1.0	0.3	Inclined	Moderat	Tertiary	Permanent	Slow	Colluvium	Gravel Veneer	Granitoid40_Schist30_Sedimentary30	no	Granitoid
5_2003	120.69	1742				e								
095H_200	-	61.8	1.5	0.1	Inclined	Moderat	Tertiary	Permanent	Slow	Alluvium_Colluvium	Gravel	Granitoid60_Sedimentary40	no	Granitoid
5_2004	120.63	7606				e					Veneer_Longitudina			
095H_200	-	61.8	2.0	0.2	Inclined	Well	Seconda	Permanent	Modera	Alluvium_Colluvium	Beaver	Sedimentary70_Granitoid30	no	no
5_2005	120.77	7123					rv		te		Dam_Transverse			
095H_200	-	61.8	3.5	0.2	Inclined	Well	Seconda	Permanent	Slow	Colluvium	Boulder	Granitoid70_Sedimentary30	no	Granitoid
5_2006	120.82	9593					rv				Trap_Stream Bed			
095H_200	-	61.8	5.0	0.1	Inclined	Well	Seconda	Permanent	Modera	Colluvium	Pool	Granitoid30_Metamorphic20_Sedimentary5	no	Granitoid
5_2007	120.86	6253					rv		te			0		
095H_200	-	61.9	3.0	0.2	Inclined	Well	Seconda	Permanent	Modera	Alluvium_Colluvium	Boulder Trap	Granitoid75_Metamorphic5_Sedimentary20	no	Granitoid
5_2011	120.56	5034					rv		te					

095H_2005_2012	-120.54	61.96586	6.0	0.2	Inclined	Well	Secondary	Permanent	Slow	Alluvium_Colluvium	Boulder Trap	Granitoid70_Sandstone25_Sedimentary5	no	Granitoid
095H_2005_2013	-120.80	61.97333	2.5	0.3	Inclined	Poor	Secondary	Permanent	Slow	Colluvium	Beaver Dam	Sedimentary60_Granitoid40	no	Granitoid
095H_2005_2014	-120.80	61.97333	2.5	0.3	Inclined	Poor	Secondary	Permanent	Slow	Colluvium	Beaver Dam	Sedimentary60_Granitoid40	no	Granitoid
095H_2005_2015	-120.85	61.99126	2.0	0.3	Inclined	Moderate	Tertiary	Permanent	Slow	Colluvium	Boulder Trap	Granitoid90_Sedimentary10	no	Granitoid
095H_2005_2016	-120.87	61.94152	5.0	0.2	Level	Well	Tertiary	Permanent	Slow	Colluvium	Point Bar	Granitoid85_Metamorphic10_Sandstone5	no	Granitoid
095H_2005_2017	-120.93	61.94051	9.0	0.2	Inclined	Moderate	Tertiary	Permanent	Slow	Colluvium	Point Bar	Granitoid80_Metamorphic15_Sedimentary5	no	Granitoid
095I_2005_2006	-120.98	62.21886	5.0	0.2	Inclined	Poor	Secondary	Permanent	Slow	Colluvium	Point Bar	Granitoid60_Metamorphic30_Sedimentary10	no	no
095I_2005_2008	-120.88	62.17654	2.0	0.1	Level	Moderate	Secondary	Permanent	Slow	Colluvium	Stream Bed	Granitoid_Sedimentary	no	Granitoid
095I_2005_2009	-120.88	62.17654	2.0	0.1	Level	Moderate	Secondary	Permanent	Slow	Colluvium	Stream Bed	Granitoid_Sedimentary	no	Granitoid
095I_2005_2010	-120.87	62.14764	1.5	0.4	Level	Moderate	Primary	Permanent	Slow	Colluvium	Gravel Veneer_Stream Bed		no	no
095I_2005_2013	-120.86	62.05599	2.0	0.3	Level	Moderate	Secondary	Permanent	Slow	Alluvium_Colluvium	Gravel Veneer_Stream Bed	Granitoid80_Sedimentary20	no	no
095I_2005_2014	-120.67	62.04380	4.0	0.2	Inclined	Well	Secondary	Permanent	Moderate	Colluvium	Boulder Trap	Granitoid_Sedimentary	no	Granitoid
095I_2005_2015	-120.63	62.06253	3.0	0.3	Inclined	Well	Secondary	Permanent	Fast	Colluvium	Stream Bed	Granitoid40_Metamorphic30_Sedimentary30	no	Granitoid
095I_2005_2018	-120.53	62.00978	3.0	0.1	Level	Well	Secondary	Permanent	Moderate	Alluv	Point Bar	Granitoid50_Mudstone10_Sedimentary40	no	Granitoid
095I_2005_2019	-120.44	62.05138	3.0	0.3	Level	Well	Secondary	Permanent	Moderate	Colluvium	Pool	Granitoid30_Metamorphic20_Sedimentary50	no	Granitoid
095I_2005_2025	-120.15	62.44248	3.0	0.2	Inclined	Well	Secondary	Permanent	Moderate	Till	Boulder Trap	Granitoid50_Limestone30_Sandstone10_Silt10	no	Granitoid
095I_2005_2027	-120.31	62.36980	10.0	0.1	Inclined	Well	Secondary	Permanent	Fast	Till	Longitudinal Bar	Granitoid50_Limestone20_Sandstone20_Others10	no	Granitoid
095I_2005_2029	-120.36	62.43872	3.0	0.1	Inclined	Well	Secondary	Permanent	Moderate	Till	Boulder Trap	Granitoid50_Limestone30_Sandstone20	no	Granitoid
095I_2005_2032	-120.61	62.35583	2.0	0.1	Level	Moderate	Secondary	Permanent	Moderate	Till	Boulder Trap_Stream Bed	Granitoid50_Limestone40_Sandstone5_Others5	no	Granitoid
095I_2005_2034	-120.57	62.43441	2.0	0.2	Inclined	Moderate	Secondary	Permanent	Moderate	Till	Stream Bed	Granitoid60_Limestone30_Sandstone10	no	Granitoid
095I_2005_2036	-120.65	62.40948	1.0	0.1	Level	Poor	Secondary	Intermittent	Slow	Alluv	Stream Bed	Granitoid50_LimestoneSandstone40_Others10	no	Granitoid
095I_2005_2037	-120.62	62.38276	2.0	0.1	Inclined	Moderate	Secondary	Permanent	Moderate	Till	Stream Bed	Granitoid50_LimestoneSandstone40_Others10	no	Granitoid
095I_2005_2040	-120.89	62.46297	6.0	0.2	Level	Moderate	Tertiary	Permanent	Moderate	Till	Boulder Trap_Stream Bed	Granitoid50_LimestoneSandstone40_Others10	no	Granitoid
095I_2005_2044	-120.29	62.31147	7.0	0.2	Inclined	Moderate	Quaternary	Permanent	Moderate	Till	Stream Bed	Granitoid50_LimestoneSandstone40_Others10	no	Granitoid
095I_2005_2046	-120.45	62.29155	10.0	0.2	Inclined	Moderate	Quaternary	Permanent	ModSlow	Till	Stream Bed	Granitoid50_LimestoneSandstone40_Others10	no	Granitoid
095I_2005_2049	-120.64	62.28675	15.0	0.3	Level	Moderate	Quaternary	Permanent	Stagnant	Till	Boulder Trap_Stream Bed	Granitoid50_LimestoneSandstone40_Others10	no	Granitoid
095I_2005_2050	-120.64	62.28675	15.0	0.3	Level	Moderate	Quaternary	Permanent	Stagnant	Till	Boulder Trap_Stream Bed	Granitoid50_LimestoneSandstone40_Others10	no	Granitoid
095I_2005_2054	-120.85	62.29972	11.0	0.3	Level	Moderate	Quaternary	Permanent	Moderate	Till	Boulder Trap_Stream Bed	Granitoid50_SandstoneLimestoneShale40_Others10	no	Granitoid
095I_2005_2057	-121.00	62.30025	10.0	0.1	Level	Moderate	Quaternary	Permanent	Moderate	Till	Stream Bed	Granitoid40_SandstoneLimestoneShale50_Others10	no	no
095I_2005_2058	-120.98	62.27478	10.0	0.1	Level	Moderate	Quaternary	Permanent	Moderate	Till	Boulder Trap	Granitoid55_LLSandstoneShale45	no	Granitoid
095I_2005_2060	-120.80	62.25034	10.0	0.3	Level	Moderate	Quaternary	Permanent	Moderate	Till	Boulder Trap_Stream Bed	Granitoid50_SandstoneLimestoneShale50	no	Granitoid
095I_2005_2068	-120.63	62.20443	10.0	0.2	Level	Moderate	Quaternary	Permanent	Moderate	Till_Organic	Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
095I_2005_2070	-120.50	62.18766	5.0	0.1	Level	Moderate	Tertiary	Permanent	Moderate	Till_Organic	Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
095I_2005_2071	-120.50	62.18766	5.0	0.1	Level	Moderate	Tertiary	Permanent	Moderate	Till_Organic	Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
095I_2005_2072	-120.51	62.14584									Beach			
095I_2005_2075	-120.40	62.22957	3.0	0.2	Level	Moderate	Tertiary	Permanent	Moderate	Till_Organic	Stream Bed	Granitoid50_Others50	no	Granitoid
095I_2005_2077	-120.38	62.15904	1.0	0.1	Level	Moderate	Secondary	Permanent	Moderate	Till	Gravel Veneer_Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	no
095I_2005_2078	-120.40	62.10367									Beach			
095I_2005_2079	-120.31	62.13181	2.0	0.1	Inclined	Moderate	Secondary	Permanent	Slow	Till	Gravel Veneer_Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
095I_2005_2080	-120.14	62.15289									Beach			
095I_2005_2082	-120.04	62.02642									Beach			
095I_2005_2083	-120.05	62.22157	5.0	0.2	Inclined	Well	Tertiary	Permanent	Moderate	Till_Organic	Stream Bed	Granitoid50_SandstoneLimestoneShale50	no	Granitoid
095I_2005_2084	-120.00	62.23938	8.0	0.2	Inclined	Well	Tertiary	Permanent	Moderate	Till_Organic	Stream Bed			

0951_2005_2085	-120.04	62.24757	5.0	0.1	Level	Moderate	Secondary	Permanent	Moderate	Till_Organic	Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
0951_2005_2087	-120.12	62.38193	1.0	0.1	Inclined	Moderate	Primary	Permanent	Slow	Till	Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	no
0951_2005_2088	-120.12	62.38189									Beach			
0951_2005_2089	-120.04	62.49028	10.0	0.2	Level	Well	Tertiary	Permanent	Fast	Till	Boulder Trap, Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid
0951_2005_2092	-120.01	62.40808	10.0	0.4	Inclined	Well	Tertiary	Permanent	Moderate	Till	Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	no
0951_2005_2094	-120.02	62.39043	7.0	0.1	Inclined	Well	Secondary	Permanent	Moderate	Till	Boulder Trap, Stream Bed	Granitoid50_LimestoneSandstoneShale50	no	Granitoid

Table A.2 Horn Plateau area till sample locations and descriptions (from Mills, 2008)

SampleID	Datum	Zone	Easting	Northing	Elevation(m)	ExposureType	MappingUnit	Stratigraphy	Thickness(m)	Landform
DHH2006-11-1-45	NAD83	11	378411	6922423	666	cut bank	Tr	till (Laurentide)	>2 m	ridged moraine
DHH2006-11-2-139	NAD83	11	358209	6924977	513	cut bank		glaciofluvial outwash	4 m	
DHH2006-11-2-47	NAD83	11	358209	6924977	513	cut bank	Tb	till (Laurentide)	2 m	till blanket
DHH2006-11-3-50	NAD83	11	348861	6888149	761	sample pit	Tb	till (Laurentide)	>0.6 m	till blanket
DHH2006-15-1-56	NAD83	11	346258	6869508	691	sample pit	Tv	till (Laurentide)	>0.5m	till blanket
DHH2006-15-2-58	NAD83	11	367131	6873155	768	sample pit	Thr	till (Laurentide)	>0.5m	hummocky ridge
DHH2006-15-3-60	NAD83	11	360449	6884945	753	sample pit	Lx	glaciolacustrine	>0.8m	glacial lacustrine veneer
DHH2006-15-4-61	NAD83	11	360490	6884932	756	sample pit	Tb	till (Laurentide)	>0.6m	till blanket
DHH2006-15-5-62	NAD83	11	360439	6885170	738	sample pit	Ls	glaciolacustrine	>0.5m	lake shore
DHH2006-15-6-63	NAD83	11	373811	6909349	704	sample pit		till (Laurentide)	>1 m	
DHH2006-15-7-65	NAD83	11	358497	6910634	690	sample pit	Th	till (Laurentide)	5m	kame dump moraine
DHH2006-15-8-67	NAD83	11	356300	6930469	376	cut bank	Cz	till (Laurentide)	2.5m	rotational rock/debris slide
DHH2006-15-9-68	NAD83	10	651430	6895554	767	sample pit	Ls	glaciolacustrine	>0.6m	raised beach ridge
DHH2006-16-1-69	NAD83	10	653547	6922009	622	sample pit	Tb	till (Laurentide)	10m	meltwater channel
DHH2006-16-4-71	NAD83	10	600111	6981078	248	sample pit	Ls	glaciolacustrine	>1 m	shoreline deposits
DHH2006-16-5-72	NAD83	10	652338	6930681	412	cut bank	Tb.Cz	till (Laurentide)	7m	meltwater channel
DHH2006-17-2-76	NAD83	10	612233	6909194	405	cut bank	Tbp	till (Laurentide)	4m	till plain
DHH2006-19-3-85	NAD83	10	602708	6897049	324	sample pit	Ls	glaciolacustrine	>1m	lake shore
DHH2006-19-4-86	NAD83	10	611974	6904577	424	cutbank	Tb.Ev	till (Laurentide)	3	till blanket
DHH2006-19-6-88	NAD83	10	635350	6888330	612	sample pit	Ls	glaciolacustrine	>1 m	lake shore
DHH2006-26-4-118B	NAD83	10	564312	6922454	180	cutbank	Gt	glaciofluvial outwash	14 m	glaciofluvial terrace
DHH2006-28-1-123B	NAD83	10	649853	6880026	701	cutbank	Ls	glaciolacustrine	>1 m	shoreline deposits
DHH2006-8-1-35	NAD83	10	571158	6939097	176	cut bank	Tb	till (Laurentide)	6 m	stream cutbank
DHH2006-8-4-37	NAD83	10	643392	6935223	315	cut bank	Tb	till (Laurentide)	2m	cut bank
DHH2006-9-3-41	NAD83	10	646759	6920832	649	sample pit	Ls	glaciolacustrine	>1 m	shoreline deposits

Table A.3 Trout Lake area till sample locations and descriptions (from Watson, 2010)

Sample ID	Datum	Zone	NTS	Easting	Northing	Elevation (m)	Geomorphology	Sample Type	Exposure Type	Sample Depth (m)	Matrix	Mode Clast Size(cm)	Mode Clast Shape	Sample Site Comments
TL-08-002	NAD83	10	95H/02	6238 08	67850 01	290	Edge of meltwater channel	basal till	pipeline cut	3	silty-sand	1	subangular	4m cut on pipeline, adjacent to large meltwater channel
TL-08-003	NAD83	10	95H/02	6260 98	67780 94	312	Plain	basal till	hand-dug hole	0.75	silty-sand	0.5	subrounded	Hole at edge of poplar stand; till occurs under 0.45 m of sorted sand
TL-08-004	NAD83	10	95H/02	6291 49	67704 03	345	Plain	basal till	hand-dug hole	0.75	silty-sand	1	subrounded	Popular and pine stand, till occurs under 0.4 m sorted medium to fine sand
TL-08-005	NAD83	10	95A/15	6316 56	67625 51	349	Flute ridge	basal till	pipeline cut	0.7	silty-sand	1	subangular	Fluting covered with pine trees
TL-08-007	NAD83	10	95A/16	6376 09	67444 13	442	Till plain	till	hand-dug hole	0.65	silty-sand	1	subangular	Canadian Helicopters fuel cache, dug pit north of clearing; till occurs under 0.3 m sorted sand
TL-08-008	NAD83	10	95A/08	6652 37	66861 39	553	Flute ridge	basal till	hand-dug hole	0.75	silty-sand	1.5	subangular	Limestone-rich till
TL-08-009	NAD83	10	95A/08	6619 90	66922 31	597	Ridge in bog	till	hand-dug hole	0.65	sandy-silt	0.5	subrounded	Ridge with pine trees in very large bog
TL-08-010	NAD83	10	95A/08	6583 68	66988 88	647	Small ridge in bog	basal till	hand-dug hole	0.9	silty-sand	0.5	subrounded	Slight ridge in large peat bog, with pine trees; till under 0.7 m of stratified silt and sand
TL-08-011	NAD83	10	95A/08	6555 17	67043 09	638	Small ridges	basal till	hand-dug hole	0.95	silty-sand	0.5	subangular	Series of small ridges
TL-08-013	NAD83	10	95A/09	6422 14	67312 71	544	Till plain	basal till	hand-dug hole	0.9	silty-sand	0.5	subrounded	Dug hole beside borrow pit; till occurs under 0.5 m of pebbly sand and cobble lag
TL-08-014	NAD83	10	95A/09	6453 25	67249 31	609	Small ridge in large peatland	basal till	hand-dug hole	0.8	fine sand	1	subrounded	Calcareous till, under 0.2 m of organics (peat)
TL-08-015	NAD83	10	95A/09	6482 92	67183 00	639	Flat upland area between bogs	basal till	hand-dug hole	0.75	sandy-silt	0.75	subangular	Mature pines, large rocks at the surface
TL-08-016	NAD83	10	95A/09	6516 31	67112 49	671	Upland plain with ridges	basal till	hand-dug hole	0.9	sandy-silt	0.5	subangular	Series of small ridges in upland area
TL-08-017	NAD83	11	85E/04	3491 85	67812 86	270	Till plain	basal till	hand-dug hole	0.9	silty-sand	0.75	subrounded	Grey calcareous till
TL-08-018	NAD83	11	85E/04	3425 12	67846 62	262	Till veneer over limestone	basal till	roadcut	1.2	silty-sand	1	subangular	Grey calcareous till 3 m thick, outcropping limestone in base of ditch
TL-08-019	NAD83	10	95A/16	6619 40	67637 57	308	Upland plain	till	hand-dug hole	1.1	sandy-silt	1	subrounded	Till occurs under 0.6 m of moderate to well-sorted sand
TL-08-021	NAD83	10	95A/16	6515 22	67604 14	317	Ridge	basal till	roadcut	1.6	silty-sand	1	subangular	1.8 m section of till with thin gravel veneer (<0.5m)
TL-08-022	NAD83	10	95A/16	6308 06	67385 65	505	Ridge	till	roadcut	0.95	sandy-silt	0.5	subrounded	0.5 m section of till
TL-08-023	NAD83	10	95A/16	6395 44	67508 70	392	Ridge	basal till	roadcut	1.2	sandy-silt	1	subangular	0.8 m section of till
TL-08-024	NAD83	10	95A/16	6440 89	67575 91	345	Ridge	till	hand-dug hole	0.85	sandy-silt	0.75	subrounded	Small ridge of mature pine trees in peat bog
TL-08-025	NAD83	10	95A/16	6474 32	67496 51	386	Ridge	basal till	hand-dug hole	0.85	silty-sand	2	subrounded	Small ridge of pine trees large peat bog
TL-08-027	NAD83	10	95A/06	6055 23	66988 35	506	Terrace	till	river cut	4	silty-medium sand	1	subangular	5 m section, till exposed under 3 m of terrace sediments
TL-08-028	NAD83	10	95A/06	6097 90	66918 10	531	Plain cut by Island River	till	river cut	3	sandy-silt	0.5	subangular	Bogs perched in uplands, section is till but it is flowing or colluviated by downward
TL-08-029	NAD83	10	95A/07	6135 29	66854 46	545	Plain cut by Island River	basal till	river cut	2.6	sandy-silt	2	subangular	3 m section, till occurs under 2.1 m of glaciolacustrine sediment
TL-08-031	NAD83	10	95H/01	6463 95	67726 45	281	Plain cut by Trout River	basal till	river cut	3.5	silty-sand	1	subangular	3.5 m section, till occurs under 2 m of overbank sediments
TL-08-032	NAD83	10	95H/01	6572 08	67703 84	272	Plain cut by Trout River	till	river cut	3.2	silty-sand	1.5	subangular	3.5 m section, till occurs under 2 m of overbank sediments
TL-08-033	NAD83	10	95H/01	6373 46	67664 89	297	Plain cut by Trout River	basal till	river cut	5	silty-medium sand	1	subrounded	5 m section of till
TL-08-034	NAD83	10	95H/01	6453 42	67756 88	288	Crevasse ridge	till	hand-dug hole	0.8	silty-sand	0.5	subangular	Small curved ridge in large peatland
TL-08-035	NAD83	10	95H/01	6516 98	67834 71	275	Plain	till	hand-dug hole	1.15	sandy-silt	0.5	subrounded	Till occurs under 0.9 m of glaciolacustrine sediments
TL-08-036	NAD83	10	95H/01	6397 43	67823 88	282	Plain	till	hand-dug hole	1.3	sandy-silt	0.5	subrounded	Till occurs under 1.1 m of glaciolacustrine sediments
TL-08-037	NAD83	10	95A/07	6180 13	66923 50	548	Plain cut by Tetcho River	basal till	river cut	2.5	silty-fine sand	0.5	subangular	5 m section, till exposed under 1.5 m of glaciolacustrine sediments
TL-08-038	NAD83	10	95A/07	6284 87	67014 65	556	Terrace	till	river cut	2.6	clayey-silt	1	subangular	2 m section, till exposed under 1.8 m of peat and alluvium, till is rich in Cretaceous shale
TL-08-039	NAD83	11	85D/12	3417 21	67139 20	542	Plain cut by Redknife River	basal till	river cut	1.45	silty-sand	1.25	subangular	Section at top of river valley
TL-08-041	NAD83	11	85D/12	3498 16	67166 90	405	Small ridge	till	hand-dug hole	0.9	sandy-silt	1	subrounded	Small pine ridge in bog south of Redknife Creek

TL-08-042	NA	11	85D/12	3396 54	67235 33	805	Ridge top	basal till	hand-dug hole	0.75	fine sandy-silt	1	subrounded	On top of the Redknife Hills, at abandoned fire lookout
TL-08-043	NA	10	95A 16	6615 46	67520 74	313	Meltwater channel	till	river cut	4	silty-sand	1.5	subangular	4 m section, till occurs under 3.5 m of fluvial sediments
TL-08-044	NA	11	85D/13	3374 65	67421 56	345	Plain cut by river	till	river cut	6	silty-sand	1	subangular	11 m section, till sampled under a 0.9 m veneer of colluvium
TL-08-045	NA	11	85D/12	3374 28	67352 48	413	Plain cut by river	basal till	river cut	5	sandy-silt	1	subangular	6 m section of basal lodgement till
TL-08-046	NA	10	95A/09	6539 13	67314 35	507	Small ridge	basal till	hand-dug hole	0.9	sandy-silt	0.5	subrounded	Small pine ridge adjacent to fen
TL-08-047	NA	10	95A/16	6571 46	67434 80	383	Flute ridge	till	hand-dug hole	0.8	silty-sand	1	subangular	Narrow, 2 m high fluting ridge
TL-08-050	NA	10	95A/15	6236 11	67600 93	386	Ridge cut by Trout River	basal till	river cut	10	silty-sand	0.25	subangular	14 m section, till occurs under 9 m of glaciofluvial sediment
TL-08-051	NA	10	95A/15	6159 88	67548 39	418	Plain cut by Trout River	till	river cut	1.7	sandy-silt	0.75	subangular	Small section on till plain
TL-08-052	NA	10	95A/15	6107 06	67462 46	445	Plain cut by Trout River	colluviated till	river cut	2.3	silty-sand	1	subangular	2.5 m section of till, colluviated on slope
TL-08-053	NA	10	95A/14	6034 77	67392 30	481	Ridge cut by Trout River	basal till	river cut	1.5	silty-sand	1	subrounded	Till was deposited by ice flowing 260 (shear planes)
TL-08-055	NA	10	95A/06	6076 68	66819 20	560	Small ridge	till	hand-dug hole	0.95	silty-sand	0.5	subrounded	Small pine ridge adjacent to creek
TL-08-056	NA	10	95A/03	6032 58	66743 21	679	Drumlin flank	basal till	hand-dug hole	0.85	silty-medium sand	1.5	subrounded	Sample till on flank of pine covered drumlin
TL-08-057	NA	10	95A/03	6036 42	66651 52	672	Drumlin flank	basal till	hand-dug hole	1	silty-medium sand	1.5	subrounded	Hiked into pine cover drumlin, sampled on flank
TL-08-058	NA	10	95A/03	6039 56	66572 63	702	Small ridge	till	hand-dug hole	0.85	sandy-silt	0.75	subangular	Till contains abundant shale fragments
TL-08-061	NA	10	95A/02	6133 71	66570 62	642	Plain cut by creek	till	hand-dug hole	0.85	sandy-silt	1	subangular	Till sampled in poplar stand adjacent to creek
TL-08-062	NA	10	95A/02	6200 48	66707 81	566	Ridge cut by creek	till	river cut	1.6	sandy-silt	1	subangular	2 m section of till exposed in Island River
TL-08-063	NA	10	95A/06	6007 97	66905 72	599	Flat Plain	basal till	hand-dug hole	0.9	fine sandy-silt	0.5	subrounded	Till sample on plain in poplar stand
TL-08-064	NA	10	95A/03	5828 08	66793 65	532	Flat Plain	till	hand-dug hole	0.9	silt	1.25	subrounded	Till under veneer of silt and boulder lag; water table at base of pit
TL-08-065	NA	10	95A/03	5922 62	66709 22	631	Small Flat Area	basal till	hand-dug hole	0.9	sandy-silt	1	subangular	
TL-08-066	NA	10	95A/03	5938 04	66544 77	625	Flat Plain	basal till	hand-dug hole	1.1	silty-fine sand	0.5	subrounded	
TL-08-067	NA	10	95A/03	5903 89	66607 81	642	Series of small ridges	basal till	hand-dug hole	1.05	sandy-silt	0.25	subrounded	Possibly drumlinoid terrain
TL-08-068	NA	10	95A/04	5785 98	66612 98	550	Flute ridge	till	hand-dug hole	0.95	sandy-silt	1	subangular	
TL-08-069	NA	10	95A/03	5853 92	66672 29	588	Small ridge	basal till	hand-dug hole	0.8	sandy-silt	1	subangular	
TL-08-070	NA	10	95A/10	6107 82	67216 50	530	Small ridge	basal till	hand-dug hole	0.85	sandy-silt	0.75	subrounded	
TL-08-072	NA	10	95A/10	6145 12	67302 86	552	Flute ridge	basal till	hand-dug hole	0.9	silty-sand	1.5	subangular	Solitary pine covered flute
TL-08-073	NA	10	95A/15	6233 01	67435 21	472	Small ridge	basal till	hand-dug hole	0.85	fine sandy-silt	1	subrounded	
TL-08-074	NA	10	95A/15	6099 83	67391 17	483	Flute ridge	basal till	hand-dug hole	0.9	sandy-silt	1	subangular	Solitary pine covered flute
TL-08-075	NA	10	95A/02	6132 70	66779 75	554	Flute ridge	basal till	hand-dug hole	0.8	sandy-silt	0.5	subrounded	
TL-08-077	NA	10	95A/02	6260 68	66752 80	645	Flute ridge	till	hand-dug hole	0.9	sandy-silt	0.5	subangular	Fluted region; Till occurs under 0.5m pebbly-sandy gravel
TL-08-078	NA	10	95A/02	6349 07	66735 39	673	Small ridge	basal till	hand-dug hole	0.9	silty-fine sand	1	subangular	
TL-08-079	NA	10	95A/07	6254 09	66870 15	614	Flank of elevated area	till	hand-dug hole	0.9	silty-fine sand	1	subangular	Water table above bottom of hole (0.6m)
TL-08-081	NA	10	95A/03	6101 27	66700 07	634	Flute ridge	basal till	hand-dug hole	0.9	silty-sand	0.5	subangular	
TL-08-082	NA	10	95A/02	6297 08	66680 23	658	Adjacent to meltwater channel	till	hand-dug hole	0.9	sandy-silt	0.5	subangular	Sample from break in slope between perched bog and meltwater channel
TL-08-083	NA	10	95A/02	6378 27	66629 54	663	Edge of upland	basal till	hand-dug hole	0.85	silty-fine sand	0.75	subrounded	Sample from break in slope at edge of Cameron Hills
TL-08-084	NA	10	95A/01	6448 52	66579 71	560	Flute ridge	basal till	hand-dug hole	0.85	silty-fine sand	0.75	subrounded	
TL-08-085	NA	10	95A/02	6299 12	66594 55	644	Flute ridge	basal till	hand-dug hole	0.9	sandy-silt	0.5	subrounded	
TL-08-086	NA	10	95A/10	6127 54	67132 88	524	Creek edge	basal till	roadcut	1.1	silty-sand	1	subangular	Roadcut exposure on winter road

TL-08-088	NA D83	10	95A /10	6172 82	67196 79	557	Small ridge	basal till	hand-dug hole	0.8	sandy-silt	0.5	subrounded	Burnt area
TL-08-089	NA D83	10	95A /10	6265 59	67323 88	578	Flute ridge	basal till	hand-dug hole	0.9	silty-sand	1	subangular	
TL-08-090	NA D83	10	95A /14	6071 58	67552 53	441	Series of flute ridges	basal till	hand-dug hole	0.95	silty-sand	0.5	subangular	Water table at 0.9 m
TL-08-091	NA D83	10	95H /02	6133 88	67645 66	409	Flute ridge	till	hand-dug hole	0.85	silty-sand	0.5	subangular	Water seepage in upper profile, from nearby perched bog
TL-08-092	NA D83	10	95A /14	5896 87	67398 09	489	Small flute ridge	basal till	hand-dug hole	0.9	silty-fine sand	0.5	subangular	
TL-08-093	NA D83	10	95A /14	5844 13	67458 05	513	Creek cut	basal till	river cut	2.4	silty-sand	0.5	subangular	Abundant striated and faceted clasts
TL-08-095	NA D83	10	95A /15	5844 13	67458 05	419	Curvilinear ridge	basal till	hand-dug hole	0.6	silty-sand	1.5	subangular	Curvilinear pine ridge
TL-08-096	NA D83	10	95B /09	5491 36	67093 09	553	Creek cut in till plain	basal till	river cut	1.8	gritty-clayey-silt	1	subrounded	4.5m section on tributary of the Muskeg River
TL-08-097	NA D83	10	95B /09	5403 57	67055 19	508	Ridge cut by river	basal till	river cut	9	silty-sand	1	subrounded	10m high section; fragment of wood found in basal till
TL-08-101	NA D83	10	95A /05	5627 57	67009 35	590	Small ridge	till	hand-dug hole	0.7	sandy-silt	0.5	subrounded	Isolated poplar/pine ridge in large spruce bog
TL-08-102	NA D83	10	95B /07	5268 48	66821 31	339	River valley	colluviated till	river cut	14	silty-sand	1	subangular	Abundant shale fragments noted in till; Large sections in Muskeg River Valley
TL-08-103	NA D83	10	95B /08	5288 18	66886 15	401	River valley	colluviated till	river cut	5	silty-sand	0.5	subrounded	Tributary of the Muskeg River, Section 10-13 m
TL-08-104	NA D83	10	95B /08	5362 57	66823 93	365	River valley	colluviated till	river cut	6.5	silty-sand	0.75	subrounded	10m high section muskeg river abundant earthflows
TL-08-105	NA D83	10	95B /01	5497 81	66745 12	414	River valley	basal till	landslide	4	silty-sand	0.5	subangular	16m high section, lower half shale bedrock
TL-08-106	NA D83	10	95A /04	5603 01	66726 97	430	River valley	basal till	river cut	7	sandy-silt	1	subangular	basal till sampled below colluviated till
TL-08-108	NA D83	10	95A /02	6350 02	66650 01	579	small flute ridge	basal till	hand-dug hole	0.8	sandy-silt	2	subangular	
TL-08-109	NA D83	10	95A /08	6605 01	66833 40	570	small flute ridge	basal till	hand-dug hole	0.8	sandy-silt	0.5	subangular	
TL-08-110	NA D83	10	95A /01	6569 05	66750 65	575	small flute ridge	basal till	hand-dug hole	0.9	sandy-silt	2	subrounded	
TL-08-112	NA D83	10	95A /01	6496 54	66662 78	596	small flute ridge	basal till	hand-dug hole	0.9	silty-sand	1	subangular	
TL-08-113	NA D83	10	95A /01	6581 60	66614 92	504	small flute ridge	basal till	hand-dug hole	0.85	silty-sand	1	subangular	
TL-08-114	NA D83	10	95A /01	6600 18	66737 15	538	small flute ridge	basal till	hand-dug hole	0.8	silty-sand	1	subrounded	more gravelly than previous sites
TL-08-115	NA D83	10	95A /01	6476 77	66783 39	780	small flute ridge	basal till	hand-dug hole	0.8	sandy-silt	1	subrounded	a little browner than others, because of higher elevation
TL-08-116	NA D83	10	95A /08	6531 85	66870 45	629	small flute ridge	basal till	hand-dug hole	0.75	silty-sand	0.5	subangular	
TL-08-117	NA D83	10	95A /08	6442 37	66885 76	602	morainal ridge	till	hand-dug hole	0.75	silty-sand	0.5	subrounded	morainal ridge in swamp
TL-08-118	NA D83	10	95A /08	6387 57	66927 16	570	ridge cut by river	basal till	river cut	2.5	silty	0.5	subrounded	swampy all around, some sand and gravel ridges
TL-08-119	NA D83	10	95A /08	6391 62	67018 22	606	morainal ridge	till	hand-dug hole	0.8	sandy-silt	1	subrounded	
TL-08-122	NA D83	10	95A /09	6454 19	67106 32	649	large flute ridge	basal till	hand-dug hole	0.75	silty-sand	1	subrounded	higher fluted ridge 4m above swamp
TL-08-123	NA D83	10	95A /07	6321 12	66968 18	583	large flute ridge	basal till	hand-dug hole	0.75	silty-sand	0.5	subangular	large boulders on flank of flute (photo)
TL-08-124	NA D83	10	95A /07	6121 87	67013 79	538	morainal ridge	till	hand-dug hole	0.7	sandy-silt	1	subrounded	moderately compact till with small sand lens at 60cm
TL-08-125	NA D83	10	95A /05	5762 97	66938 89	537	till ridge	till	hand-dug hole	0.8	sandy	1	subrounded	30cm of silt cover over till
TL-08-126	NA D83	10	95A /04	5561 50	66632 80	517	large flute ridge	basal till	hand-dug hole	0.65	sandy-silt	0.5	subrounded	pine/poplar ridge, sites hard to find in SW, some silt, spruce bogs and NLs(trees)
TL-08-127	NA D83	10	95B /01	5427 72	66616 30	481	wide till ridge	basal till	hand-dug hole	0.8	sandy-silt	1	subrounded	large and high fluted till ridge with poplar and pine
TL-08-128	NA D83	10	95B /01	5315 78	66618 56	461	large flute ridge	basal till	hand-dug hole	0.85	sandy-silt	0.5	subrounded	
TL-08-129	NA D83	10	95B /08	5450 06	66819 10	412	river cut	basal till	section	2.5	silty	0.5	subrounded	total section 25m, massive fissilty (flow direction, photos)
TL-08-130	NA D83	10	95A /05	5573 00	66948 40	543	small flute ridge	basal till	hand-dug hole	0.9	sandy-silt	0.5	subrounded	along wide open and accessible seismic line
TL-08-131	NA D83	10	95A /04	5691 19	66660 34	525	small flute ridge	basal till	hand-dug hole	1	sandy-silt	0.5	subrounded	
TL-08-132	NA D83	10	95A /04	5698 51	66781 89	464	river cut	basal till	section	12	sandy-silt	1	subrounded	1.5m of massive basal till overlain by 10-12m of coarse sand/fine gravel

TL-08-134	NA D83	10	95A /04	5775 45	66708 34	557	small flute ridge	basal till	hand-dug hole	0.75	sandy-silt	0.5	subangular	twin' flute ridges about 30 m apart
TL-08-135	NA D83	10	95A /05	5730 55	66855 50	553	small flute ridge	basal till	hand-dug hole	0.85	silty-sand	0.5	subrounded	pine/poplar ridge
TL-08-136	NA D83	10	95A /05	5647 74	66820 86	541	small flute ridge	basal till	hand-dug hole	0.9	silty-sand	1	subangular	
TL-08-137	NA D83	10	95B /08	5517 62	66889 75	541	large flute ridge	basal till	hand-dug hole	0.65	sandy-silt	0.5	subrounded	very high ridge, 5m above swamp, good end to the day
TL-08-138	NA D83	10	95A /05	5695 11	66974 97	632	small flute ridge	basal till	hand-dug hole	0.7	sandy-silt	1	subangular	started day @ 8:30 because of fog
TL-08-139	NA D83	10	95B /08	5429 27	66895 59	527	large flute ridge	basal till	hand-dug hole	0.8	sandy-silt	1	subangular	large boulder in side of the pit
TL-08-141	NA D83	10	95B /08	5431 14	66999 96	590	small flute ridge	basal till	hand-dug hole	0.9	sandy-silt	0.5	subrounded	
TL-08-142	NA D83	10	95A /12	5582 61	67082 00	687	large flute ridge	basal till	hand-dug hole	0.9	sandy-silt	1	subrounded	
TL-08-143	NA D83	10	95B /09	5508 55	67228 87	667	small flute ridge	basal till	hand-dug hole	0.75	silty-sand	1	subrounded	poplar (some pine) ridge
TL-08-144	NA D83	10	95B /09	5411 30	67099 41	576	small flute ridge	till	hand-dug hole	0.85	silty-sand	0.5	subrounded	poplar (some pine) ridge
TL-08-145	NA D83	10	95A /12	5674 38	67116 85	685	small flute ridge	basal till	hand-dug hole	0.9	sandy-silt	0.5	subangular	
TL-08-146	NA D83	10	95A /12	5779 28	67083 14	574	small flute ridge	basal till	hand-dug hole	0.9	sandy-silt	0.5	subrounded	
TL-08-147	NA D83	10	95A /11	5856 87	67154 57	517	till ridge	till	hand-dug hole	0.9	silty-sand	1.5	subrounded	till ridge just off meltwater channel
TL-08-150	NA D83	10	95A /11	5911 62	67236 33	504	large flute ridge	basal till	hand-dug hole	0.8	silty-sand	1	subangular	on peninsula on the west side of TL, massive ridge
TL-08-151	NA D83	10	95A /12	5755 29	67182 81	629	small flute ridge	basal till	hand-dug hole	0.9	sandy-silt	0.5	subrounded	
TL-08-153	NA D83	10	95A /11	5818 71	67233 07	548	small flute ridge	basal till	hand-dug hole	0.9	silty-sand	0.5	subrounded	154FD
TL-08-155	NA D83	10	95A /12	5747 29	67230 87	625	small flute ridge	basal till	hand-dug hole	0.8	silty-sand	0.5	subrounded	depth.from photo
TL-08-156	NA D83	10	95A /12	5672 57	67184 09	659	small flute ridge	basal till	hand-dug hole	0.8	sandy-silt	0.5	subrounded	
TL-08-157	NA D83	10	95H /02	6233 37	67716 84	363	large flute ridge	basal till	hand-dug hole	1.05	silty-sand	1	subangular	large and long linear flute
TL-08-158	NA D83	10	95H /02	6241 88	67631 69	388	small flute ridge	basal till	hand-dug hole	0.9	silty-sand	2	subrounded	bouldery ridge
TL-08-159	NA D83	10	95H /02	6115 19	67743 87	374	small flute ridge	till	hand-dug hole	0.9	sandy-silt	0.5	subangular	covered with 40cm sand bouldery lag
TL-08-161	NA D83	10	95H /02	6097 18	67835 80	354	small flute ridge	basal till	hand-dug hole	0.85	silty-sand	0.5	subangular	
TL-08-162	NA D83	10	95H /03	5997 58	67740 05	375	small flute ridge	basal till	hand-dug hole	0.85	sandy-silt	1	subrounded	
TL-08-163	NA D83	10	95H /03	6063 52	67677 16	402	flute ridge	basal till	section	3	sandy-silt	1	subrounded	8m high section along tributary of the Poplar River
TL-08-164	NA D83	10	95A /12	5596 99	67204 23	668	small flute ridge	basal till	hand-dug hole	0.85	silty-sand	0.5	subangular	basal till ridge next to sand and gravel ridge, ridge complex
TL-08-165	NA D83	10	95A /12	5603 12	67337 40	612	complex ridge	basal till	hand-dug hole	0.75	sandy-silt	0.5	subrounded	
TL-08-166	NA D83	10	95A /12	5658 71	67265 94	694	small flute ridge	basal till	hand-dug hole	0.85	silty-sand	0.5	subrounded	
TL-08-167	NA D83	10	95B /09	5509 75	67328 22	679	small flute ridge	basal till	hand-dug hole	0.8	sandy-silt	0.5	subrounded	close to old drill pad
TL-08-168	NA D83	10	95B /16	5507 95	67432 67	629	small flute ridge	basal till	hand-dug hole	0.75	sandy-silt	0.5	subrounded	
TL-08-169	NA D83	10	95B /16	5394 18	67436 42	716	small flute ridge	basal till	hand-dug hole	1.1	sandy-silt	0.25	subrounded	very few pines, mostly poplar on ridge
TL-08-170	NA D83	10	95B /09	5419 83	67351 12	704	small flute ridge	basal till	hand-dug hole	0.75	sandy-silt	0.5	subrounded	
TL-08-172	NA D83	10	95B /09	5422 89	67243 35	667	flute ridge	basal till	hand-dug hole	0.8	sandy-silt	0.5	subangular	cluster of poplar ridges (no pines)
TL-08-173	NA D83	10	95B /08	5539 99	67035 53	639	complex ridge	till	hand-dug hole	0.85	sandy	0.5	subrounded	possibly ablation ridge
TL-08-174	NA D83	10	95A /12	5741 76	67322 14	575	small flute ridge	basal till	hand-dug hole	0.85	sandy-silt	0.5	subrounded	
TL-08-175	NA D83	10	95A /11	5872 64	67296 36	554	small flute ridge	basal till	hand-dug hole	0.8	sandy-silt	0.5	subrounded	
TL-08-176	NA D83	10	95A /13	5812 47	67370 68	561	small ridge	basal till	hand-dug hole	0.95	sandy-silt	0.5	subrounded	
TL-08-177	NA D83	10	95A /14	5967 58	67452 35	513	"twin" flute ridges	basal till	hand-dug hole	0.95	sandy-silt	0.5	subrounded	FD site

TL-08-179	NA	10	95A/13	5471 19	67537 91	585	small flute ridge	basal till	hand-dug hole	0.85	silty-sand	0.5	subangular	sand and gravel ridge close by (skunk)
TL-08-181	NA	10	95A/13	5567 39	67556 65	534	small flute ridge	basal till	hand-dug hole	0.75	sandy-silt	0.5	subrounded	
TL-08-182	NA	10	95A/13	5600 59	67420 21	563	small flute ridge	basal till	hand-dug hole	0.9	sandy-silt	0.5	subrounded	poplar ridge (few pines)
TL-08-183	NA	10	95A/13	5513 83	67611 29	462	section	basal till	river slump	3	sandy-silt	0.5	subrounded	northwestern most corner
TL-08-184	NA	10	95A/06	5974 97	67005 65	504	flute ridge	basal till	hand-dug hole	0.8	sandy-silt	0.5	subangular	along road just beyond the airstrip at Trout Lake
TL-08-185	NA	10	95A/06	5933 64	66859 19	699	small flute ridge	basal till	hand-dug hole	0.85	sandy-silt	0.5	subangular	"fill in" just south of TL
TL-08-186	NA	10	95A/06	5847 05	66855 77	539	small flute ridge	basal till	hand-dug hole	0.9	sandy-silt	0.5	subrounded	"fill in" just south of TL
TL-08-187	NA	10	95A/05	5681 45	67034 08	639	small flute ridge	basal till	hand-dug hole	0.9	sandy-silt	0.5	subrounded	
TL-08-189	NA	10	95A/07	6152 32	67078 65	304	flute ridge	basal till	hand-dug hole	0.95	sandy-silt	0.5	subangular	tighten up area along burn area
TL-08-190	NA	10	95A/10	6204 02	67142 43	562	small flute ridge	basal till	hand-dug hole	0.8	silty-sand	0.5	subangular	within burn (2005?) area
TL-08-191	NA	10	95A/14	5839 02	67547 34	531	small flute ridge	basal till	hand-dug hole	0.9	silty-sand	1	subangular	poplar ridge
TL-08-192	NA	10	95A/14	5966 61	67596 80	516	small pressure ridge?	till	hand-dug hole	1.05	sandy	1.5	subrounded	composite ridge
TL-08-193	NA	10	95A/14	5948 06	67528 95	515	small flute ridge	basal till	hand-dug hole	0.85	sandy-silt	0.5	subrounded	poplar ridge
TL-08-194	NA	10	95A/13	5670 50	67595 14	534	large flute ridge	basal till	hand-dug hole	0.8	silty-sand	0.5	subangular	massive flute ridge, FD 195
TL-08-196	NA	10	95A/13	5625 62	67511 49	558	small flute ridge	basal till	hand-dug hole	0.75	silty-sand	0.5	subrounded	
TL-08-197	NA	10	95A/13	5729 85	67405 39	547	small flute ridge	basal till	hand-dug hole	0.85	sandy-silt	0.5	subrounded	composite ridge
TL-08-198	NA	10	95A/07	6301 40	67077 85	579	small flute ridge	basal till	hand-dug hole	1	silty-sand	0.5	subangular	
TL-08-199	NA	10	95A/10	6329 60	67222 16	598	small flute ridge	basal till	hand-dug hole	0.8	sandy-silt	0.5	subangular	a few poplars and higher spruce amidst a spruce swamp
TL-08-204	NA	10	95A/08	6617 74	67089 53	666	small ridge	basal till	hand-dug hole	0.9	silty-sand	0.5	subrounded	201-203 Bulk Stream samples
TL-08-205	NA	10	95A/09	6580 79	67171 50	758	complex ridge	basal till	hand-dug hole	0.8	sandy-silt	1	subangular	open pine vegetation on wide low relief ridge
TL-08-206	NA	10	95A/09	6385 07	67164 21	591	complex ridge	basal till	hand-dug hole	0.9	sandy-silt	1	subangular	along very wide seismic line

Table B.1 Clinopyroxene EPMA results

Locality	SampleID	Size(mm)	Grain No.	P2O5	SiO2	TiO2	Al2O3	Cr2O3	V2O3	Fe2O3	FeO	MnO	NiO	MgO	CaO	Na2O	K2O	Total	mg#	Affinity
Horn Plateau	095I_2003_2109	0.5 - 1.0	17963-004	nd	54.89	0.15	1.39	1.02	bdl	0.78	1.09	0.02	bdl	17.57	21.55	1.06	0.07	99.59	0.91	peridotite
Horn Plateau	095I_2003_2117	0.5 - 1.0	17963-006	nd	54.24	0.18	1.53	2.03	0.08	0.37	0.07	0.12	0.07	16.72	20.91	1.69	0.02	98.03	0.93	peridotite
Horn Plateau	095H_2003_1002	0.25 - 0.5	17964-021	nd	52.78	0.15	5.17	0.44	0.11	1.81	1.93	0.17	0.13	32.43	0.88	0.11	bdl	96.12	0.90	non-peridotite
Horn Plateau	095I_2003_1035	0.25 - 0.5	17964-093	nd	54.41	0.21	1.45	0.85	bdl	0.74	0.62	0.03	0.05	17.46	21.15	1.21	0.02	98.20	0.92	peridotite
Horn Plateau	095I_2003_1036	0.25 - 0.5	17964-095	nd	53.17	0.19	1.53	1.12	0.08	0.63	0.21	0.11	0.03	17.09	20.74	1.20	0.04	96.14	0.91	peridotite
Horn Plateau	095I_2003_1050	0.25 - 0.5	17964-130	nd	53.71	0.32	1.79	1.06	bdl	0.81	0.45	0.21	0.12	17.16	20.04	1.42	0.03	97.13	0.91	peridotite
Horn Plateau	095I_2003_1076	0.25 - 0.5	17965-013	nd	53.68	0.10	1.49	0.62	0.02	0.71	1.21	bdl	0.11	16.73	21.55	1.06	0.03	97.30	0.91	peridotite
Horn Plateau	095I_2003_1082	0.25 - 0.5	17965-028	nd	55.04	0.05	1.09	1.19	0.01	0.60	1.12	0.07	0.05	18.29	20.89	0.96	0.03	99.38	0.93	peridotite
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-060	nd	54.57	0.30	1.94	2.61	bdl	0.67	0.95	0.07	0.04	16.32	19.79	1.99	0.04	99.30	0.92	peridotite
Horn Plateau	095I_2003_2048	0.25 - 0.5	17966-084	nd	55.31	0.16	1.71	2.16	0.05	0.59	0.35	0.14	0.06	17.61	19.41	1.89	0.02	99.46	0.93	peridotite
Horn Plateau	095I_2003_2056	0.25 - 0.5	17966-098	nd	54.47	0.29	1.83	0.97	bdl	0.70	0.26	0.10	0.09	17.16	20.62	1.59	0.04	98.13	0.91	peridotite
Horn Plateau	095I_2003_2087	0.25 - 0.5	17966-175	nd	54.73	0.18	1.63	0.85	bdl	0.72	0.55	0.07	0.05	17.23	21.76	1.15	0.06	98.99	0.92	peridotite
Horn Plateau	095I_2003_2092	0.25 - 0.5	17966-177	nd	54.34	0.26	1.96	1.44	0.01	0.70	0.50	0.14	0.03	17.48	20.06	1.43	0.10	98.45	0.92	peridotite
Horn Plateau	095I_2003_2104	0.25 - 0.5	17967-012	nd	53.92	0.10	1.52	1.59	0.03	0.48	0.13	0.17	0.05	17.57	20.20	1.40	0.04	97.20	0.93	peridotite
Horn Plateau	095I_2003_2112	0.25 - 0.5	17967-021	nd	53.34	0.01	1.30	0.97	0.03	1.06	0.95	0.08	0.14	17.35	22.17	0.48	0.02	97.91	0.89	peridotite
Horn Plateau	095I_2003_2112	0.25 - 0.5	17967-022	nd	53.76	0.27	1.61	1.95	0.03	0.72	1.03	0.14	0.01	16.24	21.16	1.41	0.00	98.33	0.91	peridotite
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-098	nd	53.67	0.06	1.31	0.94	0.10	0.66	0.80	0.10	0.12	17.65	20.62	1.01	0.03	97.08	0.93	peridotite
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-099	nd	54.17	0.22	1.77	1.33	0.12	0.74	0.72	0.15	0.07	16.96	20.82	1.37	0.04	98.46	0.92	peridotite
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-146	nd	54.75	0.15	1.73	1.56	0.02	0.59	0.30	0.08	0.04	17.07	21.19	1.48	0.05	99.03	0.93	peridotite
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-147	nd	54.50	0.22	1.72	1.34	0.13	0.68	0.38	0.14	0.06	17.31	20.67	1.48	0.00	98.63	0.92	peridotite
Horn Plateau	095J_2003_2016	0.25 - 0.5	17968-047	nd	53.61	0.08	1.05	3.83	0.05	bdl	2.13	0.09	0.09	15.51	20.10	2.25	0.06	98.85	0.93	peridotite
Horn Plateau	085L_2005_1096	0.5 - 1.0	21734-063	nd	55.12	0.11	1.20	0.99	0.16	0.21	2.34	0.07	0.05	17.63	21.74	0.86	0.04	100.52	0.92	peridotite
Horn Plateau	085E_2005_1008	0.25 - 0.5	21736-056	nd	54.98	0.20	1.91	1.92	0.02	0.64	0.75	0.16	0.01	16.56	20.03	1.96	0.02	99.17	0.93	peridotite
Horn Plateau	085E_2005_2183	0.25 - 0.5	21736-057	nd	54.07	0.02	1.25	1.02	0.02	0.72	2.96	0.18	0.03	16.40	22.31	0.64	0.02	99.62	0.87	non-peridotite
Horn Plateau	085E_2005_2183	0.25 - 0.5	21736-058	nd	53.51	0.17	4.30	2.15	0.03	0.17	0.01	0.04	bdl	13.94	20.27	2.87	0.00	97.48	0.92	peridotite
Horn Plateau	085E_2005_2192	0.25 - 0.5	21736-059	nd	54.60	0.05	1.14	1.45	0.05	0.60	0.25	0.13	0.09	17.91	21.07	1.13	0.03	98.50	0.93	peridotite
Horn Plateau	085E_2005_2192	0.25 - 0.5	21736-060	nd	55.23	0.19	1.42	1.00	0.10	0.62	1.77	0.12	0.06	17.72	20.56	1.21	0.05	100.05	0.91	peridotite
Horn Plateau	085E_2005_2192	0.25 - 0.5	21736-061	nd	54.51	0.09	2.05	3.07	0.06	0.60	0.31	0.11	0.07	16.10	18.92	2.43	bdl	98.35	0.92	peridotite
Horn Plateau	085F_2005_2148	0.25 - 0.5	21736-062	nd	54.05	0.10	1.25	1.14	0.03	0.61	2.65	0.15	0.11	17.24	22.11	0.50	bdl	99.94	0.89	peridotite
Horn Plateau	085L_2005_1006	0.25 - 0.5	21736-064	nd	54.80	0.03	1.13	1.24	0.10	0.44	1.61	0.03	0.05	18.23	20.69	0.94	0.05	99.36	0.93	peridotite
Horn Plateau	085L_2005_1006	0.25 - 0.5	21736-065	nd	54.57	0.05	1.10	1.31	0.03	0.63	0.33	0.09	0.12	18.36	20.74	1.03	0.03	98.37	0.93	peridotite
Horn Plateau	085L_2005_1007	0.25 - 0.5	21736-066	nd	53.31	0.21	1.80	1.28	bdl	1.02	1.09	0.10	0.13	16.09	22.78	0.81	bdl	98.65	0.89	peridotite
Horn Plateau	085L_2005_1007	0.25 - 0.5	21736-067	nd	53.81	0.28	1.27	1.71	0.08	0.00	0.00	0.20	0.00	16.74	20.65	1.46	0.39	96.59	0.93	peridotite
Horn Plateau	085L_2005_1010	0.25 - 0.5	21736-068	nd	54.46	0.16	1.66	1.17	0.02	0.70	0.30	0.15	0.06	17.59	20.00	1.51	0.04	97.81	0.92	peridotite

Horn Plateau	085L_2005_1010	0.25 - 0.5	21736-069	nd	55.09	0.43	3.15	0.78	0.01	0.70	0.88	0.05	0.01	16.63	18.94	2.30	0.03	98.98	0.92	peridotite
Horn Plateau	085L_2005_1010	0.25 - 0.5	21736-070	nd	54.95	0.15	1.37	1.09	0.06	0.67	1.36	0.11	0.06	18.57	19.54	1.16	0.04	99.11	0.92	peridotite
Horn Plateau	085L_2005_1010	0.25 - 0.5	21736-071	nd	54.55	0.25	1.50	0.80	0.14	0.84	1.20	0.08	0.07	18.17	19.97	1.18	0.02	98.77	0.91	peridotite
Horn Plateau	085L_2005_1010	0.25 - 0.5	21736-072	nd	54.68	0.12	1.43	1.47	0.10	0.53	0.16	0.10	0.07	17.17	21.90	1.28	0.05	99.05	0.93	peridotite
Horn Plateau	085L_2005_1010	0.25 - 0.5	21736-073	nd	54.37	0.30	1.58	0.56	0.11	0.79	1.49	0.10	0.03	16.98	21.06	1.20	bdl	98.58	0.90	peridotite
Horn Plateau	085L_2005_1014	0.25 - 0.5	21736-075	nd	54.99	0.17	0.66	1.48	0.08	0.60	0.33	0.10	0.09	17.22	22.63	1.10	0.02	99.47	0.93	peridotite
Horn Plateau	085L_2005_1018	0.25 - 0.5	21736-076	nd	54.34	0.20	1.62	0.91	0.12	0.97	0.94	0.08	0.10	17.82	20.02	1.23	0.03	98.39	0.90	peridotite
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-077	nd	54.69	0.17	1.08	2.75	0.02	0.46	0.78	0.07	0.02	16.71	20.06	1.88	0.03	98.70	0.94	peridotite
Horn Plateau	085L_2005_1030	0.25 - 0.5	21736-078	nd	54.06	0.19	1.44	1.32	0.04	0.70	0.48	0.10	0.09	16.78	21.65	1.25	0.03	98.12	0.92	peridotite
Horn Plateau	085L_2005_1034	0.25 - 0.5	21736-079	nd	54.58	0.20	1.43	0.80	0.07	0.51	0.11	0.10	0.08	17.77	21.63	1.09	0.05	98.41	0.92	peridotite
Horn Plateau	085L_2005_1047	0.25 - 0.5	21736-081	nd	54.88	0.02	1.02	1.10	0.07	0.72	0.49	0.09	0.11	18.83	20.71	0.90	0.02	98.96	0.93	peridotite
Horn Plateau	085L_2005_1047	0.25 - 0.5	21736-082	nd	53.18	0.04	1.17	0.75	bdl	0.91	2.21	0.19	0.07	15.76	22.96	0.58	0.01	97.84	0.87	non-peridotite
Horn Plateau	085L_2005_1067	0.25 - 0.5	21736-083	nd	54.64	0.15	1.28	1.28	0.08	bdl	2.57	0.14	0.02	17.15	20.84	1.12	0.02	99.30	0.92	peridotite
Horn Plateau	085L_2005_1067	0.25 - 0.5	21736-084	nd	54.96	0.00	1.50	0.82	0.02	0.52	0.42	0.16	0.05	16.87	22.56	1.21	bdl	99.12	0.94	peridotite
Horn Plateau	085L_2005_1067	0.25 - 0.5	21736-085	nd	54.56	0.30	2.47	1.87	0.02	0.50	1.78	0.12	0.07	17.32	18.22	1.89	0.03	99.15	0.92	peridotite
Horn Plateau	085L_2005_1068	0.25 - 0.5	21736-086	nd	55.06	0.19	1.59	0.83	0.01	0.04	3.58	0.13	bdl	18.93	18.48	0.99	0.02	99.85	0.90	peridotite
Horn Plateau	085L_2005_1071	0.25 - 0.5	21736-087	nd	54.17	0.22	1.65	0.77	0.06	0.78	0.62	0.04	0.02	16.66	21.95	1.22	0.01	98.18	0.91	peridotite
Horn Plateau	085L_2005_1071	0.25 - 0.5	21736-088	nd	54.46	0.27	1.51	0.87	0.04	0.82	0.62	0.01	0.08	17.36	21.06	1.24	0.04	98.36	0.91	peridotite
Horn Plateau	085L_2005_1071	0.25 - 0.5	21736-089	nd	54.10	0.23	1.17	1.01	0.08	0.47	0.11	0.01	0.07	17.04	22.52	1.04	0.05	97.87	0.92	peridotite
Horn Plateau	085L_2005_1074	0.25 - 0.5	21736-090	nd	54.94	0.03	0.85	0.45	0.12	1.10	2.35	0.14	0.02	15.46	24.60	0.65	bdl	100.72	0.85	non-peridotite
Horn Plateau	085L_2005_1084	0.25 - 0.5	21736-091	nd	54.10	0.20	1.52	0.78	0.05	0.69	0.30	0.09	0.02	16.70	22.32	1.13	0.04	97.93	0.91	peridotite
Horn Plateau	085L_2005_1093	0.25 - 0.5	21736-092	nd	54.57	0.21	1.33	1.38	bdl	0.56	0.20	0.12	0.06	16.99	22.17	1.20	0.07	98.87	0.93	peridotite
Horn Plateau	085L_2005_1094	0.25 - 0.5	21736-093	nd	53.91	0.27	1.21	1.28	bdl	0.77	2.84	0.11	0.10	18.02	21.01	0.39	bdl	99.92	0.88	non-peridotite
Horn Plateau	085L_2005_1097	0.25 - 0.5	21736-094	nd	54.95	0.13	1.34	1.87	0.06	0.59	0.28	0.10	0.03	17.11	21.49	1.47	0.02	99.43	0.93	peridotite
Horn Plateau	085L_2005_1007	0.25 - 0.5	21736-096	nd	57.87	0.10	0.60	0.17	0.02	0.78	3.48	0.08	0.17	35.72	0.50	0.10	bdl	99.59	0.93	non-peridotite
Horn Plateau	085L_2005_1105	0.5 - 1.0	21739-089	nd	55.04	0.17	1.44	0.97	0.08	0.65	0.45	0.05	0.11	17.64	22.13	1.00	0.08	99.82	0.93	peridotite
Horn Plateau	085L_2005_2169	0.5 - 1.0	21739-090	nd	55.42	0.21	1.80	2.04	bdl	0.43	1.76	0.06	0.02	17.01	20.18	1.75	0.02	100.71	0.92	peridotite
Horn Plateau	085L_2005_1104	0.25 - 0.5	21741-001	nd	54.64	0.22	1.71	1.08	0.05	bdl	2.88	0.18	0.07	16.82	22.32	1.43	0.04	101.44	0.91	peridotite
Horn Plateau	085L_2005_1108	0.25 - 0.5	21741-002	nd	55.08	0.30	1.76	2.03	0.02	0.36	1.00	0.08	0.08	16.97	20.77	1.69	0.00	100.15	0.94	peridotite
Horn Plateau	085L_2005_1108	0.25 - 0.5	21741-003	nd	54.64	0.19	0.59	1.10	0.06	0.36	0.07	0.07	0.10	16.98	24.05	0.82	0.00	99.05	0.93	peridotite
Horn Plateau	085L_2005_1109	0.25 - 0.5	21741-004	nd	54.26	0.28	1.26	2.02	0.11	0.56	0.26	0.06	0.02	16.39	21.40	1.64	0.03	98.29	0.93	peridotite
Horn Plateau	085L_2005_1119	0.25 - 0.5	21741-005	nd	55.07	0.21	1.68	0.93	0.10	0.71	1.25	0.07	0.01	16.87	20.90	1.54	0.04	99.39	0.91	peridotite
Horn Plateau	085L_2005_1120	0.25 - 0.5	21741-006	nd	55.20	0.17	1.48	1.15	0.08	0.71	1.01	0.12	0.01	17.49	21.51	1.20	0.06	100.20	0.92	peridotite
Horn Plateau	085L_2005_1120	0.25 - 0.5	21741-007	nd	54.85	0.23	1.14	1.66	bdl	0.54	0.21	0.12	0.10	17.03	22.26	1.29	0.02	99.46	0.93	peridotite
Horn Plateau	085L_2005_1122	0.25 - 0.5	21741-008	nd	54.71	0.22	2.05	1.10	0.13	1.01	0.83	0.11	0.10	19.06	17.29	1.64	0.01	98.26	0.90	peridotite
Horn Plateau	085L_2005_1123	0.25 - 0.5	21741-009	nd	55.48	0.26	1.64	0.87	0.02	0.26	1.90	0.08	0.07	16.79	22.22	1.24	0.02	100.87	0.93	peridotite
Horn Plateau	085L_2005_1124	0.25 - 0.5	21741-010	nd	55.23	0.25	1.64	1.56	0.13	0.63	0.49	0.14	0.04	17.35	20.77	1.61	0.03	99.86	0.93	peridotite

Horn Plateau	085L_2005_1127	0.25 - 0.5	21741-011	nd	54.90	0.16	1.40	0.90	0.01	0.57	0.19	0.08	0.06	17.28	22.50	1.08	0.06	99.20	0.92	peridotite
Horn Plateau	085L_2005_1128	0.25 - 0.5	21741-012	nd	54.60	0.11	1.25	1.14	0.08	0.81	0.74	0.11	bdl	18.42	20.50	0.98	0.04	98.79	0.92	peridotite
Horn Plateau	085L_2005_1134	0.25 - 0.5	21741-013	nd	54.61	0.14	1.27	1.51	bdl	0.68	0.91	0.01	0.04	18.02	20.26	1.17	0.08	98.71	0.93	peridotite
Horn Plateau	085L_2005_1146	0.25 - 0.5	21741-014	nd	53.32	0.10	1.37	0.88	bdl	1.13	0.88	0.17	0.06	16.03	23.46	0.66	bdl	98.09	0.87	non-peridotite
Horn Plateau	085L_2005_1146	0.25 - 0.5	21741-015	nd	54.71	0.05	0.81	0.78	0.03	1.06	1.19	0.14	0.11	16.85	22.23	0.97	bdl	98.94	0.89	peridotite
Horn Plateau	085L_2005_1153	0.25 - 0.5	21741-018	nd	54.46	0.06	1.18	1.00	bdl	0.76	0.87	0.08	0.10	18.06	21.33	0.83	0.05	98.78	0.92	peridotite
Horn Plateau	085L_2005_2098	0.25 - 0.5	21741-019	nd	54.69	0.22	1.57	1.49	bdl	0.71	0.32	0.07	0.14	17.63	20.07	1.54	0.03	98.49	0.92	peridotite
Horn Plateau	085L_2005_2107	0.25 - 0.5	21741-020	nd	54.74	0.22	1.56	0.69	0.06	0.71	1.90	0.09	0.04	17.45	20.64	1.16	0.02	99.27	0.90	peridotite
Horn Plateau	085L_2005_2107	0.25 - 0.5	21741-021	nd	55.49	0.09	1.21	1.13	bdl	0.79	1.00	0.14	0.01	18.60	20.84	0.98	0.04	100.32	0.92	peridotite
Horn Plateau	085L_2005_2113	0.25 - 0.5	21741-022	nd	55.10	0.31	1.80	1.04	bdl	0.74	1.03	0.07	bdl	16.89	21.28	1.49	0.04	99.81	0.91	peridotite
Horn Plateau	085L_2005_2114	0.25 - 0.5	21741-023	nd	54.92	0.19	1.62	1.16	0.06	0.71	0.98	0.07	bdl	17.99	20.02	1.35	0.05	99.15	0.92	peridotite
Horn Plateau	085L_2005_2131	0.25 - 0.5	21741-024	nd	54.79	0.25	1.60	0.79	0.06	0.82	0.63	0.06	0.08	16.76	22.53	1.13	0.08	99.58	0.91	peridotite
Horn Plateau	085L_2005_2169	0.25 - 0.5	21741-025	nd	55.05	0.17	1.34	0.95	0.08	0.68	1.15	0.05	0.01	17.59	21.66	1.07	0.01	99.83	0.92	peridotite
Horn Plateau	085L_2005_2169	0.25 - 0.5	21741-026	nd	55.22	0.10	1.58	1.51	0.02	0.29	0.04	0.08	0.06	18.15	20.76	1.43	0.08	99.31	0.93	peridotite
Horn Plateau	085E_2005_2176	0.25 - 0.5	21741-027	nd	55.39	0.29	1.63	2.31	bdl	0.34	1.68	0.03	bdl	16.67	20.41	1.84	0.02	100.64	0.93	peridotite
Horn Plateau	085L_2005_2194	0.25 - 0.5	21741-028	nd	55.35	0.20	1.07	2.19	bdl	0.47	0.82	bdl	0.04	17.04	22.20	1.28	0.06	100.73	0.94	peridotite
Horn Plateau	085L_2005_2207	0.25 - 0.5	21741-029	nd	54.58	0.25	1.52	0.78	0.12	0.54	0.15	0.04	0.05	17.11	22.10	1.23	0.05	98.52	0.92	peridotite
Horn Plateau	085L_2005_2207	0.25 - 0.5	21741-030	nd	57.56	0.12	0.54	0.23	bdl	0.78	3.75	0.12	0.08	35.36	0.62	0.08	bdl	99.28	0.92	non-peridotite
Horn Plateau	085L_2005_2206	0.25 - 0.5	21741-040	nd	54.93	0.18	1.10	1.70	bdl	0.61	0.78	0.09	0.09	16.91	22.54	1.12	0.04	100.08	0.93	peridotite
Horn Plateau	095H_2005_1014	0.5 - 1.0	21745-083	nd	55.20	0.15	1.42	0.92	0.10	0.67	1.40	0.12	0.10	17.74	21.56	1.00	0.05	100.43	0.92	peridotite
Horn Plateau	095I_2005_2008	0.5 - 1.0	21745-084	nd	55.42	0.05	0.85	1.77	bdl	0.68	1.06	0.13	0.05	18.99	20.33	0.94	0.05	100.31	0.93	peridotite
Horn Plateau	095I_2005_2017	0.5 - 1.0	21745-085	nd	54.99	0.24	1.36	1.35	0.10	0.67	0.80	0.14	bdl	17.18	21.81	1.24	0.02	99.92	0.93	peridotite
Horn Plateau	095I_2005_2054	0.5 - 1.0	21745-086	nd	54.36	0.27	1.16	1.67	0.08	0.14	0.01	0.17	0.07	17.01	21.28	1.50	0.06	97.78	0.92	peridotite
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-007	nd	52.10	0.14	6.92	1.08	bdl	0.71	1.16	0.07	0.05	15.45	19.22	1.79	bdl	98.70	0.91	peridotite
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-008	nd	54.73	0.18	1.05	1.29	0.02	0.58	0.21	0.13	0.06	16.94	23.27	1.00	0.03	99.48	0.92	peridotite
Horn Plateau	095H_2005_1005	0.25 - 0.5	21747-009	nd	52.43	0.22	4.39	1.06	0.08	0.96	1.48	0.08	0.09	18.07	21.33	0.17	0.00	100.37	0.90	peridotite
Horn Plateau	095H_2005_1006	0.25 - 0.5	21747-010	nd	55.23	0.23	1.40	1.33	0.04	0.70	0.45	0.13	0.04	16.99	22.52	1.24	0.01	100.32	0.92	peridotite
Horn Plateau	095H_2005_1009	0.25 - 0.5	21747-011	nd	55.32	0.28	0.97	2.13	0.05	0.55	0.28	0.14	0.02	16.98	22.15	1.41	0.07	100.35	0.93	peridotite
Horn Plateau	095H_2005_1014	0.25 - 0.5	21747-012	nd	55.11	0.17	1.55	1.05	0.10	0.73	1.20	0.10	0.03	18.37	20.56	1.06	0.06	100.09	0.92	peridotite
Horn Plateau	095H_2005_1023	0.25 - 0.5	21747-013	nd	55.48	0.20	0.96	1.75	0.10	0.44	0.11	0.08	0.05	16.92	22.92	1.34	0.02	100.36	0.93	peridotite
Horn Plateau	095H_2005_2003	0.25 - 0.5	21747-014	nd	55.15	0.16	1.77	1.20	0.07	0.17	2.30	0.05	bdl	16.94	21.26	1.28	0.05	100.42	0.92	peridotite
Horn Plateau	095H_2005_2011	0.25 - 0.5	21747-015	nd	55.37	0.16	0.69	2.25	bdl	0.58	0.78	0.08	0.06	16.71	22.84	1.25	0.04	100.81	0.93	peridotite
Horn Plateau	095H_2005_2011	0.25 - 0.5	21747-016	nd	55.38	0.26	1.81	1.30	0.10	0.71	0.94	0.09	0.15	17.38	20.61	1.55	0.02	100.30	0.92	peridotite
Horn Plateau	095H_2005_2011	0.25 - 0.5	21747-017	nd	55.71	0.25	1.57	1.16	0.10	0.81	1.67	0.11	0.07	18.80	19.19	1.28	0.05	100.79	0.91	peridotite
Horn Plateau	095H_2005_2012	0.25 - 0.5	21747-018	nd	55.05	0.12	1.22	0.89	0.05	0.75	0.56	0.09	0.05	17.85	21.95	0.92	0.05	99.54	0.92	peridotite
Horn Plateau	095H_2005_2012	0.25 - 0.5	21747-019	nd	55.04	0.12	1.32	0.83	0.11	0.66	1.17	0.08	0.04	17.74	21.52	0.97	0.06	99.67	0.92	peridotite
Horn Plateau	095H_2005_2015	0.25 - 0.5	21747-020	nd	52.79	0.41	1.34	1.50	0.02	1.10	0.72	0.03	0.12	18.01	21.48	0.40	bdl	97.91	0.89	peridotite

Horn Plateau	095H_2005_2015	0.25 - 0.5	21747-021	nd	54.93	bdl	0.26	1.04	0.03	bdl	0.52	0.27	0.03	17.69	26.19	0.29	bdl	101.29	0.98	peridotite
Horn Plateau	095H_2005_2015	0.25 - 0.5	21747-022	nd	55.10	0.21	1.57	0.81	0.06	1.01	1.20	0.07	0.02	20.13	18.00	1.04	0.06	99.28	0.91	peridotite
Horn Plateau	095H_2005_2015	0.25 - 0.5	21747-023	nd	55.47	0.03	0.39	0.83	bdl	bdl	0.68	0.26	bdl	17.63	26.13	0.29	bdl	101.74	0.98	peridotite
Horn Plateau	095H_2005_2016	0.25 - 0.5	21747-024	nd	53.72	0.03	1.31	0.90	bdl	1.03	0.76	0.16	0.04	16.41	23.74	0.54	0.05	98.69	0.89	peridotite
Horn Plateau	095H_2005_2016	0.25 - 0.5	21747-025	nd	55.26	0.13	0.65	0.63	bdl	0.68	0.78	0.10	0.02	17.06	24.18	0.70	0.01	100.20	0.92	peridotite
Horn Plateau	095H_2005_2017	0.25 - 0.5	21747-026	nd	55.62	0.22	2.79	2.67	0.04	0.24	2.10	0.01	0.04	15.81	18.49	2.66	0.03	100.70	0.92	peridotite
Horn Plateau	095I_2005_2010	0.25 - 0.5	21747-027	nd	55.24	0.20	1.76	0.99	0.01	0.84	0.42	0.12	0.09	19.36	18.69	1.34	0.04	99.10	0.91	peridotite
Horn Plateau	095I_2005_2010	0.25 - 0.5	21747-028	nd	54.82	0.09	0.92	0.50	bdl	0.64	2.82	0.06	bdl	17.55	23.07	0.25	bdl	100.75	0.88	non-peridotite
Horn Plateau	095I_2005_2010	0.25 - 0.5	21747-029	nd	55.37	0.08	1.40	0.95	0.04	0.23	2.14	0.04	0.04	17.20	21.97	1.04	0.03	100.53	0.92	peridotite
Horn Plateau	095I_2005_2010	0.25 - 0.5	21747-030	nd	53.95	0.20	1.81	0.98	bdl	0.56	2.82	0.09	0.03	17.52	22.47	0.27	bdl	100.73	0.89	peridotite
Horn Plateau	095I_2005_2025	0.25 - 0.5	21747-031	nd	54.49	0.22	1.61	0.76	0.00	1.02	0.77	0.13	0.08	19.67	18.17	1.07	0.03	98.03	0.90	peridotite
Horn Plateau	095I_2005_2027	0.25 - 0.5	21747-032	nd	55.22	0.17	0.98	0.97	0.04	0.72	0.45	0.05	0.01	17.18	23.20	0.96	0.05	99.98	0.92	peridotite
Horn Plateau	095I_2005_2034	0.25 - 0.5	21747-033	nd	54.76	0.27	1.79	1.87	0.08	0.72	0.55	0.13	0.07	16.76	20.72	1.65	0.05	99.41	0.92	peridotite
Horn Plateau	095I_2005_2040	0.25 - 0.5	21747-034	nd	53.88	0.44	5.11	1.38	0.11	bdl	1.26	0.08	0.09	15.01	21.30	2.38	bdl	101.07	0.95	peridotite
Horn Plateau	095I_2005_2057	0.25 - 0.5	21747-036	nd	55.27	0.23	1.44	1.13	0.11	0.61	0.26	0.04	bdl	17.14	22.07	1.36	0.05	99.72	0.92	peridotite
Horn Plateau	095I_2005_2077	0.25 - 0.5	21747-037	nd	55.32	0.18	2.15	1.91	0.03	0.74	0.74	0.12	0.08	16.85	19.90	1.97	0.02	100.01	0.92	peridotite
Horn Plateau	095I_2005_2082	0.25 - 0.5	21747-038	nd	55.23	0.18	0.99	0.91	bdl	0.24	0.02	0.12	0.01	17.40	23.38	1.02	0.05	99.56	0.93	peridotite
Horn Plateau	095I_2005_2083	0.25 - 0.5	21747-039	nd	55.09	0.13	1.37	1.21	0.08	0.76	0.58	0.11	0.09	17.98	20.76	1.20	0.04	99.41	0.92	peridotite
Horn Plateau	095I_2005_2087	0.25 - 0.5	21747-040	nd	54.76	0.21	1.71	1.27	0.08	0.69	0.43	0.09	0.01	17.30	21.20	1.40	0.03	99.17	0.92	peridotite
Horn Plateau	DHH2006-8-4-37	0.25 - 0.5	8-4-37-1	nd	53.49	bdl	2.09	0.83	nd	0.68	2.72	0.07	nd	16.88	21.75	0.55	0.04	99.12	0.88	peridotite
Horn Plateau	DHH2006-8-4-37	0.25 - 0.5	8-4-37-2	nd	53.44	bdl	1.43	0.44	nd	1.26	1.57	0.06	nd	16.48	22.84	0.53	0.03	98.10	0.86	non-peridotite
Horn Plateau	DHH2006-9-3-41	0.25 - 0.5	9-3-41-1	nd	54.17	0.25	2.12	2.15	nd	0.11	0.00	0.07	nd	17.15	19.40	2.04	0.02	97.48	0.92	peridotite
Horn Plateau	DHH2006-11-1-45	0.25 - 0.5	11-1-45-1	nd	53.67	0.21	1.03	0.95	nd	0.80	0.31	0.20	nd	18.55	22.10	0.38	0.02	98.22	0.91	peridotite
Horn Plateau	DHH2006-11-1-45	0.25 - 0.5	11-1-45-2	nd	52.69	0.17	1.28	1.03	nd	bdl	4.07	0.05	nd	17.88	22.99	0.40	bdl	100.58	0.89	peridotite
Horn Plateau	DHH2006-15-3-60	0.25 - 0.5	15-3-60-1	nd	53.53	0.04	1.22	0.78	nd	1.41	1.52	0.11	nd	18.33	21.16	0.24	0.03	98.36	0.87	non-peridotite
Horn Plateau	DHH2006-15-3-60	0.25 - 0.5	15-3-60-2	nd	53.10	0.37	1.63	1.03	nd	1.08	3.98	0.12	nd	19.12	17.80	0.36	0.04	98.63	0.85	non-peridotite
Horn Plateau	DHH2006-15-9-68	0.25 - 0.5	15-9-68-1	nd	55.23	0.26	1.40	2.12	nd	0.04	1.92	0.07	nd	16.44	20.99	1.71	0.03	100.21	0.94	peridotite
Horn Plateau	DHH2006-16-5-72	0.25 - 0.5	16-5-72-1	nd	52.67	0.16	2.31	0.83	nd	1.19	0.90	0.11	nd	17.75	21.59	0.38	0.02	97.91	0.88	non-peridotite
Horn Plateau	DHH2006-19-3-85	0.25 - 0.5	19-3-85-1	nd	53.12	bdl	2.70	0.86	nd	0.88	1.19	0.09	nd	17.77	22.38	0.22	0.02	99.24	0.91	peridotite
Horn Plateau	DHH2006-19-3-85	0.25 - 0.5	19-3-85-2	nd	53.92	0.07	1.60	0.43	nd	0.89	2.63	0.06	nd	15.36	22.89	0.89	0.04	98.77	0.86	non-peridotite
Trout Lake	TL-08-013	0.25 - 0.5	20161-002	bdl	53.28	0.01	1.51	0.84	0.02	0.14	4.02	0.12	0.01	15.38	23.49	0.38	bdl	99.22	0.86	non-peridotite
Trout Lake	TL-08-013	0.25 - 0.5	20161-003	bdl	52.96	0.20	1.87	0.91	0.02	0.84	1.92	0.10	0.01	17.22	22.38	0.26	bdl	98.70	0.90	peridotite
Trout Lake	TL-08-005	0.25 - 0.5	20161-004	bdl	53.44	0.01	1.00	0.58	0.02	0.59	4.08	0.36	0.06	15.48	22.43	0.51	bdl	98.57	0.84	non-peridotite
Trout Lake	TL-08-005	0.25 - 0.5	20161-005	bdl	53.83	0.01	1.00	0.14	0.02	0.69	3.18	0.22	0.01	15.17	24.21	0.44	bdl	98.96	0.86	non-peridotite
Trout Lake	TL-08-005	0.25 - 0.5	20161-006	bdl	52.79	0.10	2.52	0.45	0.02	0.74	3.73	0.14	0.01	15.54	22.60	0.41	bdl	99.07	0.84	non-peridotite
Trout Lake	TL-08-010	0.25 - 0.5	20161-007	bdl	54.22	0.01	0.59	0.13	0.02	1.03	2.88	0.20	0.01	15.11	22.94	0.95	bdl	98.10	0.84	non-peridotite
Trout Lake	TL-08-003	0.25 - 0.5	20161-008	bdl	54.07	0.01	1.70	0.39	0.02	0.37	2.55	0.16	0.09	15.75	23.39	0.70	bdl	99.22	0.89	non-peridotite

Trout Lake	TL-08-003	0.25 - 0.5	20161-009	bdl	54.14	0.01	1.08	0.35	0.02	0.21	3.85	0.18	0.01	15.67	23.39	0.52	bdl	99.46	0.87	non-peridotite
Trout Lake	TL-08-008	0.25 - 0.5	20161-010	bdl	53.25	0.17	2.15	0.66	0.02	0.50	3.87	0.16	0.08	14.76	22.57	0.86	bdl	99.05	0.85	non-peridotite
Trout Lake	TL-08-014	0.25 - 0.5	20161-012	bdl	51.37	0.37	3.64	1.17	0.02	0.86	3.97	0.18	0.01	17.29	19.28	0.25	bdl	98.44	0.85	non-peridotite
Trout Lake	TL-08-014	0.25 - 0.5	20161-013	bdl	53.49	0.20	1.30	0.48	0.02	0.65	2.49	0.11	0.01	16.96	22.92	0.25	bdl	98.90	0.89	non-peridotite
Trout Lake	TL-08-014	0.25 - 0.5	20161-014	bdl	54.00	0.01	0.64	0.02	0.02	0.93	2.37	0.15	0.01	15.22	24.29	0.62	bdl	98.31	0.86	non-peridotite
Trout Lake	TL-08-009	0.25 - 0.5	20161-015	bdl	54.63	0.01	1.08	0.16	0.02	0.68	2.99	0.20	0.01	15.84	23.26	0.71	bdl	99.63	0.87	non-peridotite
Trout Lake	TL-08-015	0.25 - 0.5	20161-016	bdl	53.13	0.01	1.68	0.31	0.02	0.78	2.08	0.30	0.10	16.14	23.51	0.29	bdl	98.36	0.89	non-peridotite
Trout Lake	TL-08-004	0.25 - 0.5	20161-017	bdl	53.64	0.09	0.79	0.28	0.02	1.04	3.09	0.15	0.01	14.47	23.74	0.81	bdl	98.16	0.83	non-peridotite
Trout Lake	TL-08-004	0.25 - 0.5	20161-018	bdl	53.53	0.01	1.21	0.24	0.02	0.84	3.15	0.22	0.01	15.08	23.64	0.55	bdl	98.53	0.85	non-peridotite
Trout Lake	TL-08-019	0.25 - 0.5	20161-019	bdl	53.33	0.15	1.92	0.76	0.02	0.95	3.43	0.16	0.07	14.46	21.90	1.15	bdl	98.31	0.83	non-peridotite
Trout Lake	TL-08-016	0.25 - 0.5	20161-021	bdl	55.04	0.08	1.70	0.63	0.02	0.53	5.05	0.16	0.01	17.20	15.86	1.93	bdl	98.24	0.84	non-peridotite
Trout Lake	TL-08-016	0.25 - 0.5	20161-022	bdl	53.88	0.11	1.27	0.64	0.02	0.14	5.74	0.17	0.09	15.25	21.73	0.73	bdl	99.77	0.82	non-peridotite
Trout Lake	TL-08-022	0.25 - 0.5	20161-023	bdl	53.23	0.14	1.50	0.82	0.02	0.23	4.36	0.17	0.07	15.25	22.84	0.50	bdl	99.15	0.85	non-peridotite
Trout Lake	TL-08-024	0.25 - 0.5	20161-024	bdl	54.21	0.01	0.95	0.45	0.02	0.30	3.42	0.23	0.11	16.57	23.04	0.35	bdl	99.68	0.88	non-peridotite
Trout Lake	TL-08-023	0.25 - 0.5	20161-025	bdl	54.32	0.01	0.53	0.17	0.02	0.52	4.07	0.17	0.01	14.58	24.22	0.67	bdl	99.29	0.84	non-peridotite
Trout Lake	TL-08-018	0.25 - 0.5	20161-026	bdl	51.41	0.35	3.46	1.13	0.02	0.56	3.94	0.15	0.01	16.69	20.53	0.22	bdl	98.49	0.85	non-peridotite
Trout Lake	TL-08-021	0.25 - 0.5	20161-027	bdl	53.59	0.01	1.05	0.30	0.02	0.89	3.11	0.21	0.01	15.54	23.22	0.49	bdl	98.46	0.85	non-peridotite
Trout Lake	TL-08-031	0.25 - 0.5	20161-028	bdl	54.31	0.01	0.51	0.21	0.02	0.72	2.51	0.23	0.01	15.39	24.78	0.47	bdl	99.18	0.87	non-peridotite
Trout Lake	TL-08-043	0.25 - 0.5	20161-029	bdl	53.65	0.01	1.18	0.42	0.02	bdl	5.12	0.24	0.06	15.19	23.12	0.39	bdl	99.43	0.84	non-peridotite
Trout Lake	TL-08-044	0.25 - 0.5	20161-030	bdl	54.25	0.01	0.63	0.70	0.02	bdl	4.33	0.19	0.01	14.93	24.39	0.62	bdl	100.10	0.87	non-peridotite
Trout Lake	TL-08-041	0.25 - 0.5	20161-031	bdl	53.01	0.16	2.17	0.73	0.02	1.11	1.35	0.14	0.01	17.04	21.76	0.27	bdl	97.79	0.86	non-peridotite
Trout Lake	TL-08-041	0.25 - 0.5	20161-032	bdl	52.56	0.18	2.96	0.93	0.02	0.56	4.60	0.17	0.01	19.14	17.40	0.24	bdl	98.80	0.86	non-peridotite
Trout Lake	TL-08-036	0.25 - 0.5	20161-033	bdl	53.54	0.12	0.98	0.68	0.02	0.82	1.75	0.11	0.01	17.19	22.98	0.25	bdl	98.46	0.90	peridotite
Trout Lake	TL-08-039	0.25 - 0.5	20161-034	bdl	53.93	0.01	0.50	0.24	0.02	0.31	4.64	0.22	0.01	14.67	24.45	0.36	bdl	99.36	0.83	non-peridotite
Trout Lake	TL-08-039	0.25 - 0.5	20161-035	bdl	52.80	0.17	2.05	1.15	0.02	bdl	5.10	0.15	0.01	14.36	22.65	0.71	bdl	99.21	0.83	non-peridotite
Trout Lake	TL-08-039	0.25 - 0.5	20161-036	bdl	53.77	0.18	1.69	0.68	0.02	0.60	4.04	0.15	0.06	14.54	21.92	1.20	bdl	98.87	0.83	non-peridotite
Trout Lake	TL-08-051	0.25 - 0.5	20161-046	bdl	51.25	0.40	3.58	1.11	0.02	0.67	4.15	0.16	0.01	16.74	20.21	0.20	bdl	98.51	0.85	non-peridotite
Trout Lake	TL-08-057	0.25 - 0.5	20161-047	bdl	53.97	0.01	1.62	0.35	0.02	0.27	4.32	0.15	0.06	16.36	21.36	0.67	bdl	99.17	0.86	non-peridotite
Trout Lake	TL-08-057	0.25 - 0.5	20161-048	bdl	53.36	0.12	2.10	0.62	0.02	0.44	2.32	0.13	0.01	15.63	23.91	0.51	bdl	99.19	0.89	peridotite
Trout Lake	TL-08-050	0.25 - 0.5	20161-049	bdl	53.76	0.01	1.26	0.16	0.02	0.71	3.67	0.15	0.19	16.86	21.90	0.33	bdl	99.03	0.86	non-peridotite
Trout Lake	TL-08-058	0.25 - 0.5	20161-050	bdl	54.75	0.11	2.08	0.77	0.02	0.54	1.79	0.08	0.01	15.32	21.71	1.70	bdl	98.91	0.90	peridotite
Trout Lake	TL-08-053	0.25 - 0.5	20161-051	bdl	53.80	0.01	1.45	0.26	0.02	0.94	3.70	0.18	0.01	15.77	22.42	0.57	bdl	99.15	0.84	non-peridotite
Trout Lake	TL-08-052	0.25 - 0.5	20161-052	bdl	53.81	0.32	1.20	0.81	0.02	0.68	6.05	0.20	0.08	21.44	14.23	0.23	bdl	99.11	0.84	non-peridotite
Trout Lake	TL-08-092	0.25 - 0.5	20161-112	bdl	54.47	0.12	0.77	0.34	0.02	0.54	1.69	0.09	0.01	17.82	23.28	0.26	bdl	99.43	0.92	non-peridotite
Trout Lake	TL-08-089	0.25 - 0.5	20161-113	bdl	53.81	0.15	1.28	0.83	0.02	0.41	2.92	0.22	0.09	16.32	22.82	0.51	bdl	99.40	0.88	peridotite
Trout Lake	TL-08-098	0.25 - 0.5	20161-114	bdl	52.27	0.30	3.36	0.57	0.02	1.21	2.25	0.14	0.06	17.10	20.62	0.47	bdl	98.36	0.86	non-peridotite
Trout Lake	TL-08-098	0.25 - 0.5	20161-115	bdl	53.70	0.01	1.12	0.40	0.02	0.53	2.94	0.21	0.08	16.26	23.03	0.40	bdl	98.72	0.88	non-peridotite

Trout Lake	TL-08-095	0.25 - 0.5	20161-116	bdl	53.45	0.01	1.46	0.26	0.02	0.14	5.53	0.22	0.01	15.24	22.86	0.32	bdl	99.55	0.83	non-peridotite
Trout Lake	TL-08-095	0.25 - 0.5	20161-117	bdl	54.09	0.01	0.47	0.55	0.02	0.60	3.80	0.12	0.01	14.49	24.05	0.75	bdl	98.98	0.84	non-peridotite
Trout Lake	TL-08-084	0.25 - 0.5	20161-118	bdl	53.15	0.17	1.39	1.06	0.02	0.83	2.56	0.17	0.01	15.24	23.05	0.70	bdl	98.37	0.86	non-peridotite
Trout Lake	TL-08-088	0.25 - 0.5	20161-119	bdl	54.01	0.01	1.09	0.44	0.02	0.66	2.28	0.17	0.14	16.70	23.27	0.35	bdl	99.17	0.89	non-peridotite
Trout Lake	TL-08-089	0.25 - 0.5	20161-120	bdl	53.56	0.12	2.25	0.93	0.02	0.14	2.95	0.12	0.08	15.36	23.04	0.81	bdl	99.40	0.90	peridotite
Trout Lake	TL-08-077	0.25 - 0.5	20161-121	bdl	53.03	0.01	1.63	0.54	0.02	0.69	4.10	0.26	0.07	15.30	22.37	0.48	bdl	98.53	0.83	non-peridotite
Trout Lake	TL-08-077	0.25 - 0.5	20161-122	bdl	52.41	0.11	2.37	0.57	0.02	0.43	3.77	0.16	0.07	15.09	23.24	0.32	bdl	98.60	0.85	non-peridotite
Trout Lake	TL-08-083	0.25 - 0.5	20161-123	bdl	53.24	0.01	1.38	0.27	0.02	1.14	2.83	0.19	0.01	15.32	22.73	0.62	bdl	97.79	0.84	non-peridotite
Trout Lake	TL-08-083	0.25 - 0.5	20161-124	bdl	53.82	0.01	1.52	0.36	0.02	0.70	3.65	0.24	0.01	15.96	22.19	0.61	bdl	99.10	0.85	non-peridotite
Trout Lake	TL-08-114	0.25 - 0.5	20161-127	bdl	52.77	0.15	3.56	0.45	0.02	0.83	4.16	0.15	0.01	15.81	20.79	0.69	bdl	99.42	0.83	non-peridotite
Trout Lake	TL-08-116	0.5 - 1.0	20161-128	bdl	54.04	0.01	1.50	0.26	0.02	0.21	3.54	0.15	0.01	15.91	23.94	0.34	bdl	99.95	0.88	non-peridotite
Trout Lake	TL-08-134	0.25 - 0.5	20161-129	bdl	54.23	0.01	0.55	0.02	0.02	1.16	2.60	0.23	0.01	14.88	24.13	0.70	bdl	98.57	0.84	non-peridotite
Trout Lake	TL-08-134	0.25 - 0.5	20161-130	bdl	53.84	0.01	1.24	0.34	0.02	0.49	4.12	0.23	0.14	16.28	22.51	0.33	bdl	99.57	0.85	non-peridotite
Trout Lake	TL-08-125	0.25 - 0.5	20161-131	bdl	51.16	0.64	6.32	0.96	0.02	0.47	2.24	0.11	0.01	14.58	21.02	1.27	bdl	98.81	0.89	peridotite
Trout Lake	TL-08-126	0.25 - 0.5	20161-132	bdl	53.80	0.09	1.47	0.69	0.02	0.48	2.95	0.20	0.11	15.60	23.65	0.50	bdl	99.56	0.88	non-peridotite
Trout Lake	TL-08-109	0.25 - 0.5	20161-133	bdl	53.75	0.11	1.52	0.37	0.02	0.39	3.43	0.17	0.08	15.96	23.22	0.43	bdl	99.48	0.87	non-peridotite
Trout Lake	TL-08-115	0.25 - 0.5	20161-134	bdl	52.72	0.17	2.51	0.74	0.02	0.86	2.18	0.14	0.01	15.34	23.13	0.66	bdl	98.50	0.88	non-peridotite
Trout Lake	TL-08-118	0.25 - 0.5	20161-135	bdl	53.86	0.01	0.74	0.11	0.02	0.97	3.45	0.19	0.01	14.57	24.06	0.63	bdl	98.63	0.83	non-peridotite
Trout Lake	TL-08-116	0.25 - 0.5	20161-136	bdl	53.56	0.01	1.63	0.25	0.02	0.77	2.45	0.13	0.01	16.09	23.61	0.34	bdl	98.89	0.88	non-peridotite
Trout Lake	TL-08-116	0.25 - 0.5	20161-137	bdl	53.86	0.01	0.71	0.18	0.02	0.61	2.99	0.17	0.01	15.38	24.64	0.33	bdl	98.93	0.87	non-peridotite
Trout Lake	TL-08-116	0.25 - 0.5	20161-138	bdl	53.69	0.22	1.78	0.61	0.02	bdl	3.70	0.12	0.01	15.97	23.16	0.36	bdl	99.66	0.88	peridotite
Trout Lake	TL-08-116	0.25 - 0.5	20161-139	bdl	54.01	0.01	1.56	0.22	0.02	0.39	3.09	0.14	0.01	15.88	23.96	0.35	bdl	99.66	0.88	non-peridotite
Trout Lake	TL-08-143	0.25 - 0.5	20163-004	bdl	53.94	0.01	0.56	0.02	0.02	0.98	1.87	0.16	0.01	15.63	23.99	0.60	bdl	97.81	0.87	non-peridotite
Trout Lake	TL-08-143	0.25 - 0.5	20163-005	bdl	52.46	0.09	1.62	0.76	0.02	bdl	6.00	0.14	0.06	15.15	22.05	0.26	bdl	98.63	0.82	non-peridotite
Trout Lake	TL-08-142	0.25 - 0.5	20163-006	bdl	53.75	0.01	0.52	0.18	0.02	1.02	1.50	0.16	0.01	15.67	23.45	0.78	bdl	97.07	0.88	non-peridotite
Trout Lake	TL-08-141	0.25 - 0.5	20163-007	bdl	53.14	0.07	1.31	0.45	0.02	bdl	7.17	0.20	0.09	16.21	19.23	0.52	bdl	98.43	0.80	non-peridotite
Trout Lake	TL-08-144	0.25 - 0.5	20163-009	bdl	51.10	0.41	6.65	0.73	0.02	0.72	0.52	0.09	0.01	15.08	19.89	1.65	bdl	96.90	0.91	peridotite
Trout Lake	TL-08-146	0.25 - 0.5	20163-012	bdl	51.68	0.24	3.24	0.68	0.02	0.80	1.84	0.10	0.01	17.24	21.61	0.17	bdl	97.65	0.90	peridotite
Trout Lake	TL-08-146	0.25 - 0.5	20163-013	bdl	53.10	0.09	1.45	0.41	0.02	0.59	3.16	0.14	0.08	16.06	22.91	0.34	bdl	98.36	0.87	non-peridotite
Trout Lake	TL-08-135	0.25 - 0.5	20163-014	bdl	52.98	0.01	1.52	0.15	0.02	0.73	3.97	0.21	0.01	15.06	22.53	0.58	bdl	97.80	0.83	non-peridotite
Trout Lake	TL-08-147	0.25 - 0.5	20163-015	bdl	51.76	0.10	1.75	0.70	0.02	0.82	2.97	0.14	0.01	15.74	22.02	0.39	bdl	96.43	0.86	non-peridotite
Trout Lake	TL-08-150	0.25 - 0.5	20163-016	bdl	52.20	0.16	2.16	0.90	0.02	1.06	2.12	0.15	0.08	14.81	22.04	0.95	bdl	96.66	0.86	non-peridotite
Trout Lake	TL-08-162	0.25 - 0.5	20163-017	bdl	52.01	0.08	3.26	0.69	0.02	0.85	1.47	0.12	0.01	16.19	22.12	0.56	bdl	97.39	0.89	peridotite
Trout Lake	TL-08-170	0.25 - 0.5	20163-018	bdl	51.60	0.22	2.92	0.88	0.02	0.82	3.26	0.16	0.01	17.63	19.69	0.21	bdl	97.43	0.87	non-peridotite
Trout Lake	TL-08-170	0.25 - 0.5	20163-019	bdl	53.16	0.01	0.80	0.76	0.02	0.91	1.88	0.15	0.01	15.13	24.04	0.61	bdl	97.49	0.87	non-peridotite
Trout Lake	TL-08-164	0.25 - 0.5	20163-020	bdl	53.38	0.01	1.40	0.27	0.02	0.87	1.38	0.11	0.01	16.22	23.06	0.63	bdl	97.39	0.89	non-peridotite
Trout Lake	TL-08-164	0.25 - 0.5	20163-021	bdl	53.37	0.01	1.05	0.46	0.02	0.72	1.66	0.12	0.06	16.53	23.00	0.48	bdl	97.50	0.89	non-peridotite
Trout Lake	TL-08-159	0.25 - 0.5	20163-022	bdl	53.25	0.08	0.99	0.66	0.02	0.80	2.97	0.13	0.06	15.51	22.49	0.71	bdl	97.68	0.86	non-peridotite

Trout Lake	TL-08-159	0.25 - 0.5	20163-023	bdl	50.68	0.67	7.31	0.69	0.02	0.73	0.94	0.09	0.01	14.35	19.57	1.89	bdl	96.97	0.90	peridotite
Trout Lake	TL-08-165	0.25 - 0.5	20163-024	bdl	51.89	0.01	0.87	0.02	0.02	bdl	9.54	0.13	0.01	11.19	24.70	0.10	bdl	98.53	0.68	non-peridotite
Trout Lake	TL-08-157	0.25 - 0.5	20163-030	bdl	53.39	0.01	1.34	0.24	0.02	0.79	1.95	0.16	0.07	16.32	22.70	0.56	bdl	97.58	0.89	non-peridotite
Trout Lake	TL-08-191	0.25 - 0.5	20163-031	bdl	53.35	0.11	0.99	0.50	0.02	0.24	3.25	0.09	0.01	16.91	22.45	0.29	bdl	98.22	0.89	non-peridotite
Trout Lake	TL-08-191	0.25 - 0.5	20163-032	bdl	52.53	0.16	2.02	0.65	0.02	0.71	3.73	0.17	0.01	18.23	19.36	0.20	bdl	97.79	0.86	non-peridotite
Trout Lake	TL-08-182	0.25 - 0.5	20163-033	bdl	53.85	0.01	0.91	0.34	0.02	0.36	2.98	0.13	0.09	16.68	22.90	0.37	bdl	98.65	0.89	non-peridotite
Trout Lake	TL-08-182	0.25 - 0.5	20163-034	bdl	52.33	0.11	1.69	0.73	0.02	0.62	3.60	0.29	0.20	15.53	22.11	0.40	bdl	97.63	0.85	non-peridotite
Trout Lake	TL-08-173	0.25 - 0.5	20163-035	bdl	53.21	0.01	1.22	0.40	0.02	0.92	1.30	0.17	0.01	16.33	23.11	0.54	bdl	97.26	0.89	non-peridotite
Trout Lake	TL-08-173	0.25 - 0.5	20163-036	bdl	53.29	0.01	1.20	0.21	0.02	0.91	2.68	0.22	0.01	15.73	23.26	0.41	bdl	97.96	0.86	non-peridotite
Trout Lake	TL-08-182	0.25 - 0.5	20163-037	bdl	53.85	0.01	0.93	0.43	0.02	0.39	2.16	0.15	0.01	17.04	23.38	0.28	bdl	98.66	0.92	non-peridotite
Trout Lake	TL-08-187	0.25 - 0.5	20163-038	bdl	53.65	0.07	0.60	0.02	0.02	0.95	2.34	0.17	0.01	15.43	23.72	0.60	bdl	97.60	0.86	non-peridotite
Trout Lake	TL-08-183	0.25 - 0.5	20163-039	bdl	53.24	0.28	3.39	1.49	0.02	0.84	0.36	0.10	0.05	15.03	19.90	2.23	bdl	96.96	0.90	peridotite
Trout Lake	TL-08-183	0.25 - 0.5	20163-040	bdl	52.72	0.01	2.01	0.46	0.02	0.88	2.56	0.14	0.06	15.29	22.62	0.68	bdl	97.47	0.86	non-peridotite
Trout Lake	TL-08-183	0.25 - 0.5	20163-041	bdl	53.35	0.01	1.22	0.50	0.02	0.73	3.05	0.18	0.13	16.79	21.60	0.43	bdl	98.02	0.87	non-peridotite
Trout Lake	TL-08-193	0.25 - 0.5	20163-042	bdl	52.71	0.07	1.20	0.59	0.02	0.78	3.26	0.12	0.01	15.46	22.68	0.50	bdl	97.43	0.85	non-peridotite
Trout Lake	TL-08-189	0.25 - 0.5	20163-043	bdl	53.06	0.01	1.52	0.34	0.02	1.01	2.66	0.22	0.01	15.47	22.35	0.69	bdl	97.38	0.85	non-peridotite
Trout Lake	TL-08-181	0.25 - 0.5	20163-044	bdl	52.98	0.01	1.59	0.36	0.02	1.10	5.12	0.30	0.12	16.56	19.73	0.38	bdl	98.29	0.80	non-peridotite
Trout Lake	TL-08-204	0.25 - 0.5	20163-045	bdl	53.34	0.10	1.16	0.87	0.02	0.41	2.61	0.22	0.12	16.39	22.27	0.58	bdl	98.09	0.90	peridotite
Trout Lake	TL-08-204	0.25 - 0.5	20163-046	bdl	53.05	0.01	1.40	0.75	0.02	0.52	2.65	0.15	0.08	15.92	22.83	0.49	bdl	97.88	0.88	peridotite
Trout Lake	TL-08-204	0.25 - 0.5	20163-050	bdl	54.10	0.08	1.92	1.32	0.02	0.55	0.43	0.07	0.01	16.24	21.79	1.47	bdl	98.02	0.94	peridotite
Trout Lake	TL-08-194	0.25 - 0.5	20163-051	bdl	53.30	0.01	2.01	1.11	0.02	bdl	1.91	0.08	0.01	16.33	21.64	1.45	bdl	97.90	0.94	peridotite
Trout Lake	TL-08-194	0.25 - 0.5	20163-055	bdl	53.36	0.01	0.43	0.31	0.02	0.88	1.61	0.20	0.01	15.64	23.91	0.52	bdl	96.93	0.88	non-peridotite
Trout Lake	TL-08-204	0.25 - 0.5	20163-056	bdl	50.94	0.42	7.12	0.65	0.02	0.81	0.81	0.11	0.01	15.29	19.19	1.66	bdl	97.04	0.90	peridotite
Trout Lake	TL-08-204	0.25 - 0.5	20163-058	bdl	53.73	0.09	2.11	1.79	0.02	0.34	0.08	0.06	0.01	15.96	21.22	1.77	bdl	97.20	0.95	peridotite

Table B.2 Eclogitic garnet EPMA results

Locality	SampleID	Size(mm)	Grain No.	P2O5	SiO2	TiO2	Al2O3	Cr2O3	V2O3	FeO	MnO	NiO	MgO	CaO	Na2O	K2O	Total	mg#	G-Class
Horn Plateau	095I_2003_2067	0.25 - 0.5	17966-102	nd	41.20	0.31	22.96	0.15	0.03	14.77	0.53	0.01	15.79	5.29	0.05	0.02	101.11	0.79	G4
Horn Plateau	095I_2003_2074	0.25 - 0.5	17966-119	nd	41.64	0.36	23.37	0.20	0.01	10.15	0.45	bdl	17.66	6.99	0.04	bdl	100.87	0.83	G3
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-097	nd	41.55	0.35	22.74	0.94	0.04	10.03	0.36	0.06	19.95	4.58	0.02	bdl	100.63	0.80	G4
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-020	nd	40.68	0.40	22.65	0.10	0.01	13.93	0.37	0.03	14.66	7.33	0.10	bdl	100.27	0.84	G3
Horn Plateau	085L_2005_1093	0.5 - 1.0	21734-062	nd	41.22	0.22	22.93	0.27	0.12	10.81	0.48	0.08	18.76	4.33	0.01	bdl	99.23	0.82	G4
Horn Plateau	085L_2005_1102	0.25 - 0.5	21736-045	nd	37.05	0.02	21.40	0.02	0.08	33.44	0.79	0.02	3.31	4.34	0.03	bdl	100.53	0.83	G3
Horn Plateau	085L_2005_1039	0.25 - 0.5	21736-052	nd	40.92	0.35	23.17	0.19	0.01	10.52	0.44	0.06	19.31	4.36	0.04	0.03	99.39	0.84	G4
Horn Plateau	085L_2005_1062	0.25 - 0.5	21736-053	nd	41.10	0.49	22.22	0.96	0.04	12.09	0.45	bdl	18.34	4.34	0.06	bdl	100.11	0.81	G4
Horn Plateau	085L_2005_1068	0.25 - 0.5	21736-054	nd	40.54	0.43	22.91	0.18	0.12	11.42	0.49	bdl	18.58	4.87	0.01	bdl	99.55	0.82	G4
Horn Plateau	085E_2005_2176	0.5 - 1.0	21739-088	nd	41.54	0.36	23.38	0.25	0.05	8.85	0.30	bdl	20.47	4.06	0.06	bdl	99.34	0.83	G4
Horn Plateau	085L_2005_2106	0.25 - 0.5	21740-180	nd	41.28	0.05	21.33	3.55	0.04	13.16	0.77	bdl	15.42	5.97	0.03	bdl	101.62	0.79	G5
Horn Plateau	085L_2005_1144	0.25 - 0.5	21740-302	nd	40.89	0.40	22.58	0.51	0.02	11.23	0.44	bdl	18.22	4.43	0.02	bdl	98.75	0.84	G4
Horn Plateau	085L_2005_2133	0.25 - 0.5	21740-305	nd	39.04	0.06	22.54	0.04	0.02	20.09	0.56	0.00	10.56	6.21	0.02	bdl	99.15	0.82	G3
Horn Plateau	095I_2005_2034	0.5 - 1.0	21745-082	nd	40.59	0.02	23.10	0.04	0.07	12.65	0.28	bdl	16.59	5.94	bdl	bdl	99.30	0.83	G4
Horn Plateau	095H_2005_1011	0.25 - 0.5	21747-001	nd	39.72	0.24	21.94	0.79	0.02	16.05	0.49	0.01	14.55	5.27	bdl	bdl	99.09	0.83	G4
Trout Lake	TL-08-165	0.25-0.5	20163-063	0.03	38.66	0.06	21.60	0.05	bdl	23.48	1.08	bdl	5.88	8.16	bdl	bdl	99.04	0.31	G3
Trout Lake	TL-08-172	0.25-0.5	20163-068	bdl	38.81	0.17	21.70	0.03	0.05	22.41	0.44	bdl	7.50	7.76	bdl	bdl	98.92	0.37	G3
Trout Lake	TL-08-193	0.25-0.5	20163-069	bdl	38.62	0.12	21.49	0.03	0.03	23.43	0.72	bdl	7.39	6.59	bdl	bdl	98.46	0.36	G3
Trout Lake	TL-08-196	0.25-0.5	20163-070	bdl	38.33	0.11	21.05	bdl	bdl	24.40	0.50	bdl	6.02	8.02	bdl	bdl	98.48	0.31	G3
Trout Lake	TL-08-063	0.25-0.5	20163-071	bdl	37.96	0.07	20.64	bdl	0.03	27.22	1.18	bdl	4.46	7.04	bdl	bdl	98.65	0.23	G3
Trout Lake	TL-08-151	0.25-0.5	20163-072	0.03	38.75	0.19	21.34	bdl	bdl	22.77	0.65	bdl	7.44	7.53	0.04	bdl	98.77	0.37	G3
Trout Lake	TL-08-183	0.25-0.5	20163-074	bdl	38.67	0.15	21.52	bdl	bdl	22.79	0.53	bdl	6.72	8.44	bdl	bdl	98.88	0.34	G3
Trout Lake	TL-08-183	0.25-0.5	20163-075	bdl	38.29	0.08	21.32	bdl	bdl	25.58	0.82	bdl	5.33	7.48	bdl	bdl	98.94	0.27	G3
Trout Lake	TL-08-033	0.25-0.5	20163-078	bdl	37.93	0.06	20.59	bdl	bdl	28.06	0.91	bdl	3.73	7.78	bdl	bdl	99.14	0.19	G3

Table B.3 Peridotitic garnet EPMA results

Locality	SampleID	Size(mm)	Grain No.	P2O5	SiO2	TiO2	Al2O3	Cr2O3	V2O3	FeO	MnO	NiO	MgO	CaO	Na2O	K2O	Total	mg#	G-Class
Horn Plateau	095H_2003_1002	0.5 - 1.0	17960-001	nd	40.38	0.05	17.47	8.86	bdl	7.78	0.54	bdl	16.84	8.15	0.01	0.00	100.11	0.78	G12
Horn Plateau	095I_2003_1003	0.5 - 1.0	17960-002	nd	42.25	0.14	20.67	4.23	bdl	7.61	0.31	bdl	20.47	4.54	0.06	0.01	100.32	0.84	G11
Horn Plateau	095I_2003_1008	0.5 - 1.0	17960-006	nd	41.43	0.33	18.48	6.60	0.07	6.79	0.32	0.01	19.86	5.56	0.04	bdl	99.51	0.84	G9
Horn Plateau	095I_2003_1012	0.5 - 1.0	17960-011	nd	40.97	0.04	17.57	8.42	0.08	6.20	0.37	0.02	19.42	6.36	0.03	bdl	99.50	0.82	G9
Horn Plateau	095I_2003_1018	0.5 - 1.0	17960-016	nd	41.70	0.13	19.55	5.63	0.09	6.94	0.31	0.07	20.16	5.45	0.06	0.00	100.10	0.84	G9
Horn Plateau	095I_2003_1042	0.5 - 1.0	17960-025	nd	41.96	0.27	20.04	5.95	0.02	7.11	0.36	0.04	20.13	5.01	bdl	0.01	100.92	0.85	G9
Horn Plateau	095I_2003_1082	0.5 - 1.0	17960-034	nd	42.18	0.33	19.80	5.37	0.02	7.36	0.29	0.00	19.96	5.17	0.07	0.03	100.58	0.82	G9
Horn Plateau	095I_2003_2006	0.5 - 1.0	17962-007	nd	41.05	0.06	19.91	5.32	0.09	6.88	0.28	bdl	20.04	5.48	0.01	bdl	99.16	0.83	G9
Horn Plateau	095I_2003_2025	0.5 - 1.0	17962-023	nd	41.63	0.05	20.61	4.43	bdl	7.45	0.52	0.04	18.87	5.97	0.05	0.00	99.63	0.81	G9
Horn Plateau	095I_2003_2033	0.5 - 1.0	17962-026	nd	41.83	0.17	20.48	4.17	bdl	7.30	0.47	bdl	20.93	4.74	0.09	0.01	100.21	0.84	G9
Horn Plateau	095I_2003_2039	0.5 - 1.0	17962-027	nd	42.11	0.05	20.19	4.96	0.08	6.44	0.33	bdl	20.66	5.27	0.04	bdl	100.15	0.81	G9
Horn Plateau	095I_2003_2045	0.5 - 1.0	17962-028	nd	41.84	0.29	22.48	2.18	0.01	7.93	0.40	bdl	20.86	4.12	0.05	bdl	100.18	0.85	G9
Horn Plateau	095I_2003_2053	0.5 - 1.0	17962-038	nd	41.49	bdl	18.22	7.34	bdl	7.05	0.38	bdl	19.56	5.64	bdl	bdl	99.73	0.82	G9
Horn Plateau	095I_2003_2053	0.5 - 1.0	17962-040	nd	42.25	0.37	19.91	5.03	0.05	7.37	0.38	0.04	20.48	5.21	0.09	bdl	101.19	0.82	G9
Horn Plateau	095I_2003_2071	0.5 - 1.0	17962-050	nd	41.21	0.15	20.50	4.44	0.11	8.35	0.43	0.03	19.42	4.99	0.01	bdl	99.64	0.82	G9
Horn Plateau	095I_2003_2078	0.5 - 1.0	17962-060	nd	41.98	0.16	18.57	7.38	0.04	6.82	0.26	bdl	19.83	5.67	0.00	bdl	100.74	0.82	G9
Horn Plateau	095I_2003_2094	0.5 - 1.0	17963-001	nd	42.22	0.05	19.84	5.38	0.06	7.67	0.42	bdl	18.81	6.04	0.01	bdl	100.51	0.82	G9
Horn Plateau	095I_2003_2094	0.5 - 1.0	17963-002	nd	42.70	0.04	20.94	4.80	bdl	6.89	0.29	bdl	21.38	4.14	0.03	0.01	101.25	0.83	G10D
Horn Plateau	095I_2003_2094	0.5 - 1.0	17963-003	nd	42.28	0.02	21.22	4.48	0.02	7.89	0.44	0.04	20.66	4.24	bdl	0.00	101.31	0.84	G10
Horn Plateau	095I_2003_2117	0.5 - 1.0	17963-005	nd	42.31	0.24	20.94	3.83	0.15	7.46	0.41	0.02	20.30	4.77	bdl	0.01	100.45	0.83	G11
Horn Plateau	095I_2003_2125	0.5 - 1.0	17963-009	nd	40.97	0.05	19.87	6.03	bdl	7.92	0.57	bdl	20.49	3.57	0.05	bdl	99.54	0.83	G10
Horn Plateau	095J_2003_1003	0.5 - 1.0	17963-010	nd	41.30	0.06	18.27	6.97	0.04	7.62	0.39	bdl	18.86	5.88	0.01	0.02	99.43	0.84	G9
Horn Plateau	095J_2003_1003	0.5 - 1.0	17963-011	nd	41.41	0.09	17.60	8.56	bdl	7.48	0.44	0.01	18.76	6.08	0.05	0.02	100.51	0.81	G9
Horn Plateau	095J_2003_1003	0.5 - 1.0	17963-012	nd	42.18	0.41	20.81	4.27	0.04	8.03	0.54	0.01	20.07	5.05	0.09	bdl	101.52	0.85	G9
Horn Plateau	095J_2003_1003	0.5 - 1.0	17963-013	nd	41.96	0.07	18.25	7.66	0.06	7.11	0.32	bdl	19.20	6.06	bdl	bdl	100.70	0.84	G9
Horn Plateau	095J_2003_1011	0.5 - 1.0	17963-028	nd	41.79	0.27	18.82	6.69	bdl	6.55	0.35	0.01	19.95	5.69	0.02	0.01	100.17	0.81	G9
Horn Plateau	095J_2003_1019	0.5 - 1.0	17963-030	nd	41.46	0.45	16.78	8.32	0.12	7.04	0.36	bdl	18.64	6.76	0.06	bdl	100.01	0.82	G11
Horn Plateau	095J_2003_1020	0.5 - 1.0	17963-036	nd	40.38	0.15	18.42	6.85	0.04	7.24	0.39	0.04	19.47	5.70	0.00	bdl	98.69	0.83	G9
Horn Plateau	095J_2003_1025	0.5 - 1.0	17963-040	nd	41.11	0.21	17.34	8.21	0.14	6.48	0.31	0.01	19.73	6.05	0.03	bdl	99.63	0.82	G9
Horn Plateau	095J_2003_2002	0.5 - 1.0	17963-046	nd	40.44	0.04	17.18	8.99	0.08	7.24	0.46	0.07	17.75	7.28	bdl	bdl	99.55	0.80	G11
Horn Plateau	095J_2003_2002	0.5 - 1.0	17963-047	nd	41.46	0.05	16.12	10.74	0.04	6.51	0.30	bdl	20.14	4.84	bdl	0.02	100.24	0.82	G10D
Horn Plateau	095J_2003_2002	0.5 - 1.0	17963-048	nd	41.91	0.32	20.49	4.38	0.02	7.05	0.47	0.04	20.57	4.64	0.08	bdl	99.99	0.82	G9
Horn Plateau	095J_2003_2006	0.5 - 1.0	17963-061	nd	40.64	0.07	17.70	8.16	0.03	7.22	0.43	0.02	17.64	7.65	0.03	0.02	99.61	0.82	G12
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-014	nd	41.60	0.39	20.62	3.51	0.01	7.58	0.39	0.02	20.42	5.01	0.04	0.01	99.61	0.84	G11
Horn Plateau	095H_2003_1002	0.25 - 0.5	17964-028	nd	41.95	0.01	21.68	3.47	0.02	7.66	0.29	bdl	20.09	5.15	0.03	0.00	100.36	0.84	G9
Horn Plateau	095I_2003_1003	0.25 - 0.5	17964-030	nd	41.69	0.52	18.87	5.11	0.06	8.29	0.34	0.00	18.95	6.49	0.03	bdl	100.35	0.83	G11
Horn Plateau	095I_2003_1003	0.25 - 0.5	17964-031	nd	41.79	0.36	18.72	6.05	0.12	7.43	0.35	bdl	19.45	5.96	0.01	bdl	100.27	0.82	G9
Horn Plateau	095I_2003_1008	0.25 - 0.5	17964-038	nd	41.05	0.25	16.33	9.92	0.12	7.34	0.31	0.01	18.66	6.57	bdl	bdl	100.58	0.82	G11
Horn Plateau	095I_2003_1008	0.25 - 0.5	17964-039	nd	41.60	0.33	20.31	4.53	0.04	7.56	0.44	bdl	19.73	4.90	0.07	bdl	99.54	0.82	G9
Horn Plateau	095I_2003_1008	0.25 - 0.5	17964-040	nd	41.17	0.04	19.12	6.60	0.04	8.25	0.47	0.01	18.14	6.27	0.01	0.02	100.13	0.85	G11
Horn Plateau	095I_2003_1008	0.25 - 0.5	17964-042	nd	41.37	0.27	19.97	5.03	0.04	6.85	0.36	0.01	20.47	4.75	0.03	bdl	99.16	0.82	G9
Horn Plateau	095I_2003_1008	0.25 - 0.5	17964-043	nd	41.99	0.23	19.99	5.34	0.10	7.60	0.41	bdl	19.90	4.75	0.06	0.00	100.39	0.83	G9

Horn Plateau	095I_2003_1008	0.25 - 0.5	17964-044	nd	41.67	0.58	16.14	9.46	0.02	7.01	0.45	0.07	18.88	6.15	0.07	bdl	100.53	0.83	G11
Horn Plateau	095I_2003_1008	0.25 - 0.5	17964-045	nd	41.18	0.33	18.55	7.05	0.11	7.36	0.39	0.01	19.72	5.82	0.04	bdl	100.57	0.84	G9
Horn Plateau	095I_2003_1008	0.25 - 0.5	17964-046	nd	41.90	0.20	21.47	3.41	0.01	9.17	0.50	0.14	18.91	5.02	0.05	bdl	100.78	0.85	G9
Horn Plateau	095I_2003_1008	0.25 - 0.5	17964-047	nd	41.80	0.12	18.96	6.52	0.04	6.91	0.34	0.00	19.84	5.38	0.01	bdl	99.93	0.85	G9
Horn Plateau	095I_2003_1008	0.25 - 0.5	17964-048	nd	41.54	0.27	19.50	6.25	bdl	7.08	0.34	0.03	19.95	5.49	0.02	0.01	100.49	0.83	G11
Horn Plateau	095I_2003_1009	0.25 - 0.5	17964-050	nd	41.33	0.34	18.53	6.74	0.14	6.74	0.40	0.04	19.77	5.64	0.01	0.02	99.69	0.81	G11
Horn Plateau	095I_2003_1009	0.25 - 0.5	17964-051	nd	40.67	0.05	18.55	7.31	bdl	7.77	0.56	0.00	18.34	6.28	0.05	bdl	99.60	0.80	G11
Horn Plateau	095I_2003_1009	0.25 - 0.5	17964-052	nd	41.80	0.48	18.88	6.16	0.13	6.87	0.37	bdl	19.82	5.52	0.13	bdl	100.18	0.85	G11
Horn Plateau	095I_2003_1012	0.25 - 0.5	17964-053	nd	40.87	0.46	15.31	10.35	0.11	8.14	0.58	0.03	17.31	6.89	0.08	0.01	100.14	0.82	G9
Horn Plateau	095I_2003_1012	0.25 - 0.5	17964-054	nd	40.74	0.01	18.50	7.14	bdl	8.07	0.45	0.04	17.05	7.41	0.00	bdl	99.44	0.81	G12
Horn Plateau	095I_2003_1014	0.25 - 0.5	17964-055	nd	41.67	0.24	20.06	4.62	0.05	6.83	0.36	bdl	20.57	5.34	0.03	bdl	99.78	0.85	G9
Horn Plateau	095I_2003_1014	0.25 - 0.5	17964-056	nd	41.71	0.11	20.30	5.04	0.05	8.25	0.49	bdl	18.75	6.08	0.04	bdl	100.84	0.84	G11
Horn Plateau	095I_2003_1014	0.25 - 0.5	17964-057	nd	41.28	0.61	17.71	7.69	bdl	6.86	0.40	bdl	19.17	5.98	0.04	bdl	99.78	0.84	G11
Horn Plateau	095I_2003_1016	0.25 - 0.5	17964-063	nd	40.66	0.06	17.61	8.66	0.02	7.40	0.49	0.09	19.67	4.62	bdl	0.01	99.30	0.86	G11
Horn Plateau	095I_2003_1016	0.25 - 0.5	17964-064	nd	41.35	0.23	20.56	4.46	0.04	6.71	0.33	0.10	20.68	5.27	0.06	bdl	99.81	0.78	G9
Horn Plateau	095I_2003_1016	0.25 - 0.5	17964-065	nd	41.30	0.21	17.22	8.48	0.06	6.78	0.45	0.01	18.98	6.40	0.02	bdl	99.91	0.79	G9
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-068	nd	41.63	0.29	19.44	5.57	0.12	6.93	0.36	0.01	20.15	5.33	0.07	0.01	99.90	0.81	G9
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-069	nd	41.03	0.60	16.80	8.62	0.05	7.44	0.48	0.02	19.05	6.02	0.07	bdl	100.19	0.83	G11
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-070	nd	41.25	0.04	15.87	10.56	0.20	7.23	0.45	0.04	17.71	7.41	0.03	bdl	100.80	0.79	G9
Horn Plateau	095I_2003_1019	0.25 - 0.5	17964-084	nd	40.84	0.06	19.26	5.99	0.07	8.18	0.52	0.03	17.57	7.19	0.03	bdl	99.75	0.85	G12
Horn Plateau	095I_2003_1019	0.25 - 0.5	17964-085	nd	39.92	0.13	14.19	12.11	0.04	8.71	0.53	bdl	15.81	8.09	0.02	0.01	99.56	0.83	G9
Horn Plateau	095I_2003_1025	0.25 - 0.5	17964-087	nd	40.91	0.05	20.99	3.86	bdl	8.64	0.54	bdl	19.06	5.26	0.01	0.00	99.35	0.80	G9
Horn Plateau	095I_2003_1035	0.25 - 0.5	17964-092	nd	41.66	0.21	21.24	3.51	bdl	7.73	0.45	0.03	19.76	4.91	0.05	0.01	99.58	0.79	G9
Horn Plateau	095I_2003_1036	0.25 - 0.5	17964-096	nd	41.64	0.64	18.87	4.82	bdl	7.27	0.29	0.02	20.34	5.36	0.02	bdl	99.29	0.81	G11
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-104	nd	40.46	0.40	15.16	10.00	bdl	6.75	0.46	0.08	19.25	6.41	0.06	bdl	99.03	0.80	G11
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-106	nd	40.17	0.11	14.97	11.91	bdl	6.54	0.39	bdl	18.14	7.62	bdl	0.01	99.89	0.84	G9
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-107	nd	42.36	0.24	20.01	4.88	0.20	6.87	0.25	bdl	20.80	5.07	0.03	0.07	100.79	0.84	G9
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-108	nd	41.37	0.08	17.14	8.31	0.10	7.48	0.32	0.04	18.92	6.66	bdl	bdl	100.46	0.82	G9
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-109	nd	41.34	0.48	18.20	6.83	bdl	6.63	0.25	0.09	19.70	5.45	0.07	bdl	99.07	0.83	G11
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-110	nd	41.67	0.34	17.49	8.53	0.06	6.52	0.23	0.05	19.70	5.79	0.11	0.01	100.50	0.83	G9
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-111	nd	41.40	0.39	17.82	7.89	bdl	7.25	0.41	bdl	19.58	6.27	0.04	bdl	101.08	0.79	G11
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-112	nd	41.15	0.39	18.87	6.70	bdl	7.68	0.47	0.08	20.16	5.63	0.07	bdl	101.20	0.84	G9
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-113	nd	42.35	0.47	19.83	5.22	0.06	8.05	0.43	bdl	20.06	5.29	0.02	bdl	101.80	0.83	G11
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-115	nd	40.94	0.20	19.78	5.60	bdl	7.83	0.50	0.11	19.61	4.76	0.18	bdl	99.54	0.84	G10
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-116	nd	40.74	0.48	20.50	4.43	0.04	6.55	0.44	0.11	20.75	4.77	0.07	0.02	98.93	0.81	G11
Horn Plateau	095I_2003_1048	0.25 - 0.5	17964-121	nd	40.89	0.27	17.83	7.37	0.14	7.42	0.39	bdl	19.22	5.91	bdl	bdl	99.47	0.79	G9
Horn Plateau	095I_2003_1048	0.25 - 0.5	17964-122	nd	42.33	0.16	20.38	4.69	bdl	7.10	0.32	bdl	19.96	4.76	bdl	bdl	99.74	0.79	G9
Horn Plateau	095I_2003_1050	0.25 - 0.5	17964-124	nd	41.80	0.10	18.82	6.68	bdl	7.28	0.39	bdl	20.01	5.48	0.04	0.03	100.64	0.84	G9
Horn Plateau	095I_2003_1050	0.25 - 0.5	17964-125	nd	41.50	0.27	19.63	5.48	bdl	7.02	0.26	0.03	20.45	5.28	0.09	bdl	100.04	0.80	G9
Horn Plateau	095I_2003_1050	0.25 - 0.5	17964-126	nd	42.21	0.31	18.46	7.43	0.08	6.53	0.50	bdl	19.93	5.87	0.05	bdl	101.37	0.83	G11
Horn Plateau	095I_2003_1050	0.25 - 0.5	17964-127	nd	41.68	0.13	20.93	3.83	0.04	6.42	0.42	0.05	21.03	4.77	0.06	bdl	99.35	0.83	G9
Horn Plateau	095I_2003_1050	0.25 - 0.5	17964-128	nd	42.05	0.48	19.06	6.43	0.16	7.13	0.42	0.07	20.17	5.25	0.11	0.01	101.34	0.85	G11
Horn Plateau	095I_2003_1050	0.25 - 0.5	17964-129	nd	40.62	0.43	16.19	9.25	0.06	7.45	0.21	bdl	17.89	6.88	0.07	bdl	99.06	0.83	G11
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-13	nd	41.64	bdl	20.96	4.63	0.06	7.83	0.48	0.07	20.49	3.77	0.05	bdl	100.00	0.78	G10
Horn Plateau	095I_2003_1052	0.25 - 0.5	17964-131	nd	40.86	0.58	19.47	4.09	0.25	8.06	0.42	0.04	17.95	6.57	0.14	bdl	98.46	0.83	G11

Horn Plateau	095I_2003_1052	0.25 - 0.5	17964-132	nd	41.38	0.43	19.07	5.65	0.10	6.51	0.38	bdl	20.10	5.29	0.13	bdl	99.05	0.84	G11
Horn Plateau	095I_2003_1052	0.25 - 0.5	17964-133	nd	42.43	0.10	22.28	2.86	0.02	8.03	0.56	bdl	20.16	5.05	0.09	bdl	101.59	0.82	G11
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-134	nd	40.48	0.22	16.36	9.09	0.08	7.43	0.64	bdl	17.87	6.42	0.14	bdl	98.74	0.81	G9
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-135	nd	42.05	0.16	19.94	5.26	0.12	6.60	0.58	bdl	20.48	5.29	0.06	bdl	100.56	0.79	G9
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-136	nd	41.38	0.37	19.56	5.84	bdl	6.92	0.24	0.08	20.58	5.85	0.03	0.06	100.92	0.76	G11
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-137	nd	40.58	0.23	19.47	5.78	bdl	6.74	0.20	0.06	19.66	5.71	0.01	0.02	98.49	0.80	G9
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-138	nd	40.44	0.39	18.67	7.24	bdl	6.15	0.40	0.04	20.47	5.33	bdl	bdl	99.16	0.82	G11
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-139	nd	40.94	bdl	18.53	7.26	bdl	8.39	0.38	0.15	16.77	7.50	bdl	bdl	99.95	0.83	G11
Horn Plateau	095I_2003_1058	0.25 - 0.5	17964-146	nd	40.26	bdl	17.36	8.65	0.10	8.09	0.57	0.11	16.99	7.45	0.02	0.02	99.64	0.83	G9
Horn Plateau	095I_2003_1058	0.25 - 0.5	17964-149	nd	41.25	0.10	19.68	4.97	0.06	8.44	0.38	0.02	19.98	5.25	0.03	0.01	100.16	0.84	G11
Horn Plateau	095I_2003_1059	0.25 - 0.5	17965-001	nd	42.16	0.27	21.81	2.77	bdl	7.42	0.19	0.08	20.69	4.48	0.13	bdl	100.02	0.80	G9
Horn Plateau	095I_2003_1059	0.25 - 0.5	17965-002	nd	41.28	0.19	22.02	2.62	0.02	8.94	0.59	0.08	19.23	4.80	0.02	bdl	99.81	0.81	G9
Horn Plateau	095I_2003_1062	0.25 - 0.5	17965-003	nd	41.13	0.33	16.38	9.30	bdl	6.44	0.26	0.06	20.70	5.11	0.03	bdl	99.76	0.82	G11
Horn Plateau	095I_2003_1063	0.25 - 0.5	17965-004	nd	41.22	0.18	19.93	5.43	bdl	7.19	0.49	0.04	19.65	5.23	0.02	bdl	99.41	0.83	G9
Horn Plateau	095I_2003_1063	0.25 - 0.5	17965-005	nd	42.09	0.13	20.92	4.80	0.18	8.54	0.43	0.05	19.60	5.54	0.04	bdl	102.34	0.83	G9
Horn Plateau	095I_2003_1066	0.25 - 0.5	17965-007	nd	40.32	0.19	17.79	7.89	0.12	8.07	0.29	0.07	17.38	8.02	0.09	bdl	100.23	0.83	G11
Horn Plateau	095I_2003_1070	0.25 - 0.5	17965-008	nd	40.80	0.31	20.00	5.26	0.04	8.11	0.41	bdl	19.76	5.57	0.02	bdl	100.29	0.84	G9
Horn Plateau	095I_2003_1071	0.25 - 0.5	17965-009	nd	41.86	0.33	17.58	7.96	0.16	8.17	0.44	bdl	18.85	6.17	0.05	0.02	101.61	0.82	G9
Horn Plateau	095I_2003_1073	0.25 - 0.5	17965-010	nd	41.39	0.20	20.20	4.57	bdl	8.35	0.43	0.17	19.63	5.20	bdl	0.03	100.18	0.23	G9
Horn Plateau	095I_2003_1076	0.25 - 0.5	17965-014	nd	40.05	0.55	17.86	7.80	0.02	7.18	0.43	0.01	18.84	5.62	0.13	0.02	98.50	0.78	G11
Horn Plateau	095I_2003_1076	0.25 - 0.5	17965-015	nd	42.67	0.11	21.38	3.36	bdl	7.32	0.31	0.01	20.57	5.00	0.12	0.02	100.89	0.85	G11
Horn Plateau	095I_2003_1076	0.25 - 0.5	17965-016	nd	40.18	0.05	17.56	8.54	bdl	6.96	0.40	0.03	18.42	6.93	0.13	bdl	99.22	0.85	G9
Horn Plateau	095I_2003_1076	0.25 - 0.5	17965-017	nd	41.42	0.59	19.10	4.57	0.21	7.57	0.42	0.08	20.56	5.60	0.00	0.03	100.15	0.84	G11
Horn Plateau	095I_2003_1078	0.25 - 0.5	17965-018	nd	40.86	bdl	18.98	5.66	bdl	6.98	0.31	bdl	20.71	5.55	0.10	0.02	99.21	0.81	G9
Horn Plateau	095I_2003_1078	0.25 - 0.5	17965-019	nd	41.60	0.03	19.28	6.61	0.02	7.40	0.45	bdl	18.86	5.89	0.02	bdl	100.19	0.11	G9
Horn Plateau	095I_2003_1078	0.25 - 0.5	17965-021	nd	41.47	0.01	18.27	7.99	0.04	8.49	0.43	bdl	17.36	7.16	0.13	0.08	101.43	0.82	G11
Horn Plateau	095I_2003_1078	0.25 - 0.5	17965-022	nd	41.86	0.39	18.06	7.35	bdl	6.33	0.54	0.04	20.38	5.83	0.07	0.01	100.89	0.83	G11
Horn Plateau	095I_2003_1079	0.25 - 0.5	17965-023	nd	42.14	0.19	19.55	5.82	0.10	6.57	0.29	bdl	20.19	5.51	bdl	0.02	100.40	0.86	G9
Horn Plateau	095I_2003_1079	0.25 - 0.5	17965-024	nd	42.34	0.14	18.91	7.48	0.22	6.80	0.33	bdl	20.00	5.17	0.09	0.00	101.49	0.78	G10D
Horn Plateau	095I_2003_1082	0.25 - 0.5	17965-025	nd	41.46	0.22	17.48	8.49	0.04	7.80	0.33	0.05	19.17	5.52	0.04	bdl	100.60	0.82	G9
Horn Plateau	095I_2003_1082	0.25 - 0.5	17965-027	nd	42.12	0.38	19.68	5.64	0.12	6.59	0.38	bdl	20.45	5.31	0.06	bdl	100.75	0.78	G11
Horn Plateau	095I_2003_1084	0.25 - 0.5	17965-029	nd	41.73	0.52	18.55	6.25	0.07	7.43	0.37	0.05	19.36	5.85	bdl	bdl	100.18	0.83	G11
Horn Plateau	095I_2003_1084	0.25 - 0.5	17965-030	nd	41.84	0.18	19.90	5.54	0.11	7.35	0.42	0.00	20.17	5.21	0.06	bdl	100.80	0.83	G9
Horn Plateau	095I_2003_1084	0.25 - 0.5	17965-031	nd	41.65	0.04	18.70	6.60	0.04	6.40	0.45	0.11	21.45	3.76	0.04	0.01	99.25	0.09	G10
Horn Plateau	095I_2003_1086	0.25 - 0.5	17965-032	nd	41.29	0.14	21.56	3.01	0.04	9.35	0.58	0.04	18.08	5.17	0.04	bdl	99.30	0.82	G9
Horn Plateau	095I_2003_1092	0.25 - 0.5	17965-035	nd	42.51	0.25	21.46	3.44	0.04	7.83	0.39	0.06	20.24	4.66	0.03	bdl	100.93	0.80	G9
Horn Plateau	095I_2003_1092	0.25 - 0.5	17965-036	nd	41.33	0.10	20.00	5.86	0.06	7.11	0.45	0.01	18.90	5.94	0.01	bdl	99.77	0.85	G9
Horn Plateau	095I_2003_1092	0.25 - 0.5	17965-037	nd	40.98	0.08	18.24	7.63	0.06	8.17	0.59	0.02	16.72	7.50	0.11	bdl	100.11	0.82	G11
Horn Plateau	095I_2003_1092	0.25 - 0.5	17965-038	nd	42.01	0.06	19.41	5.86	0.03	7.38	0.42	0.06	19.60	5.21	0.04	0.00	100.08	0.83	G9
Horn Plateau	095I_2003_1092	0.25 - 0.5	17965-039	nd	41.96	0.29	19.52	5.78	bdl	7.25	0.33	0.08	20.16	5.16	0.05	0.00	100.61	0.81	G9
Horn Plateau	095I_2003_1092	0.25 - 0.5	17965-041	nd	41.92	0.04	19.62	5.51	0.13	7.56	0.39	0.02	19.41	5.72	0.06	bdl	100.41	0.83	G9
Horn Plateau	095I_2003_1092	0.25 - 0.5	17965-042	nd	41.10	0.04	19.30	6.37	0.01	8.25	0.45	0.02	18.38	6.57	bdl	bdl	100.52	0.84	G9
Horn Plateau	095I_2003_1092	0.25 - 0.5	17965-043	nd	42.00	0.04	21.52	3.97	0.03	6.65	0.37	0.05	21.01	4.07	0.04	0.01	99.75	0.83	G10
Horn Plateau	095I_2003_1092	0.25 - 0.5	17965-044	nd	40.95	0.50	19.98	4.24	0.03	7.67	0.47	bdl	19.35	6.11	0.05	0.02	99.38	0.78	G11
Horn Plateau	095I_2003_1095	0.25 - 0.5	17965-045	nd	40.83	0.19	18.76	6.35	0.07	7.25	0.36	bdl	19.51	5.74	0.02	0.02	99.12	0.15	G9

Horn Plateau	095I_2003_1095	0.25 - 0.5	17965-046	nd	41.64	0.08	22.25	2.45	bdl	8.27	0.42	bdl	19.94	4.75	0.07	bdl	99.89	0.83	G11
Horn Plateau	095I_2003_1095	0.25 - 0.5	17965-047	nd	40.92	0.31	19.68	5.04	bdl	7.19	0.34	bdl	20.03	5.09	0.03	bdl	98.66	0.82	G9
Horn Plateau	095I_2003_1097	0.25 - 0.5	17965-048	nd	41.43	0.34	20.49	4.26	0.04	7.53	0.36	0.04	20.08	4.74	0.09	0.02	99.43	0.83	G11
Horn Plateau	095I_2003_1097	0.25 - 0.5	17965-049	nd	41.31	0.19	18.45	7.26	0.16	6.51	0.37	0.01	19.85	5.32	0.02	0.01	99.47	0.84	G9
Horn Plateau	095I_2003_1097	0.25 - 0.5	17965-050	nd	41.27	bdl	19.55	6.49	0.08	7.92	0.48	bdl	21.77	2.24	0.04	0.01	99.86	0.81	G10
Horn Plateau	095I_2003_1097	0.25 - 0.5	17965-051	nd	39.13	0.02	15.63	10.04	0.03	8.38	0.52	bdl	16.41	8.14	0.01	bdl	98.31	0.83	G12
Horn Plateau	095I_2003_1100	0.25 - 0.5	17965-053	nd	41.34	0.47	19.72	4.86	0.07	7.24	0.37	bdl	20.18	5.31	0.01	bdl	99.58	0.84	G11
Horn Plateau	095I_2003_1100	0.25 - 0.5	17965-054	nd	41.80	0.31	21.62	2.58	0.09	7.87	0.35	0.05	20.78	4.39	0.06	bdl	99.90	0.80	G9
Horn Plateau	095I_2003_1100	0.25 - 0.5	17965-055	nd	41.35	0.52	19.18	5.66	0.04	7.26	0.41	0.02	20.04	5.18	0.04	bdl	99.71	0.83	G11
Horn Plateau	095I_2003_1100	0.25 - 0.5	17965-056	nd	41.98	0.22	20.94	3.81	0.02	6.86	0.38	0.00	20.84	4.43	0.04	bdl	99.53	0.80	G9
Horn Plateau	095I_2003_1100	0.25 - 0.5	17965-057	nd	40.90	bdl	17.98	8.30	0.11	7.60	0.52	0.04	18.15	6.56	0.03	0.01	100.21	0.81	G9
Horn Plateau	095I_2003_1102	0.25 - 0.5	17965-061	nd	42.16	0.01	22.24	2.64	0.08	7.25	0.27	0.02	20.40	4.98	0.01	bdl	100.06	0.81	G9
Horn Plateau	095I_2003_1102	0.25 - 0.5	17965-062	nd	41.32	0.05	19.37	5.55	bdl	6.82	0.29	0.08	20.05	5.51	bdl	bdl	99.08	0.80	G9
Horn Plateau	095I_2003_1102	0.25 - 0.5	17965-063	nd	41.29	0.44	17.53	7.82	0.06	6.65	0.37	bdl	19.78	5.67	0.07	bdl	99.71	0.84	G11
Horn Plateau	095I_2003_1102	0.25 - 0.5	17965-064	nd	41.29	0.06	18.45	7.41	0.08	7.84	0.38	0.00	17.72	7.24	bdl	0.00	100.49	0.83	G9
Horn Plateau	095I_2003_1102	0.25 - 0.5	17965-065	nd	41.50	0.59	18.31	6.26	0.13	7.31	0.37	bdl	19.57	5.98	0.09	bdl	100.13	0.80	G11
Horn Plateau	095I_2003_1102	0.25 - 0.5	17965-066	nd	41.19	bdl	21.21	3.75	0.11	8.55	0.55	bdl	18.64	5.52	0.01	bdl	99.57	0.84	G9
Horn Plateau	095I_2003_1102	0.25 - 0.5	17965-067	nd	42.10	0.10	22.08	2.65	0.14	8.44	0.49	0.08	19.65	4.75	bdl	bdl	100.49	0.80	G11
Horn Plateau	095I_2003_1102	0.25 - 0.5	17965-068	nd	41.22	0.00	20.15	5.59	0.04	7.82	0.48	0.02	18.64	5.84	0.04	bdl	99.84	0.80	G9
Horn Plateau	095I_2003_1107	0.25 - 0.5	17965-069	nd	41.06	0.05	18.13	7.73	0.16	7.98	0.48	0.04	17.91	6.88	0.06	bdl	100.49	0.79	G9
Horn Plateau	095I_2003_1107	0.25 - 0.5	17965-070	nd	41.99	0.42	20.24	4.60	0.15	7.11	0.30	0.00	20.53	4.90	0.07	bdl	100.33	0.84	G11
Horn Plateau	095I_2003_1107	0.25 - 0.5	17965-071	nd	40.96	0.25	17.72	8.24	0.09	6.80	0.43	0.03	19.25	5.75	0.02	bdl	99.53	0.85	G9
Horn Plateau	095I_2003_1107	0.25 - 0.5	17965-072	nd	41.73	0.06	20.76	4.02	bdl	8.47	0.48	0.12	18.69	5.43	bdl	bdl	99.78	0.82	G9
Horn Plateau	095I_2003_1107	0.25 - 0.5	17965-073	nd	42.10	0.16	18.34	7.69	0.05	6.83	0.36	0.07	20.26	5.41	0.02	bdl	101.30	0.83	G9
Horn Plateau	095I_2003_1107	0.25 - 0.5	17965-074	nd	41.25	0.54	19.84	4.64	0.12	8.40	0.31	0.03	18.75	6.17	0.05	0.03	100.15	0.84	G11
Horn Plateau	095I_2003_1107	0.25 - 0.5	17965-075	nd	42.03	0.27	21.20	3.55	0.07	8.74	0.48	0.01	19.39	4.91	0.04	bdl	100.70	0.85	G9
Horn Plateau	095I_2003_2004	0.25 - 0.5	17965-081	nd	41.44	0.11	19.06	6.40	0.14	8.32	0.38	bdl	17.78	6.47	0.03	bdl	100.16	0.84	G9
Horn Plateau	095I_2003_2004	0.25 - 0.5	17965-082	nd	41.54	bdl	18.90	7.39	0.07	7.54	0.54	0.01	22.23	1.87	bdl	0.01	100.11	0.80	G10D
Horn Plateau	095I_2003_2004	0.25 - 0.5	17965-083	nd	41.38	0.15	17.28	8.68	0.13	6.79	0.43	bdl	20.97	4.16	0.02	0.01	100.01	0.84	G10
Horn Plateau	095I_2003_2004	0.25 - 0.5	17965-084	nd	41.08	0.33	17.16	8.39	0.01	7.63	0.36	0.03	19.04	6.12	0.04	0.03	100.21	0.80	G9
Horn Plateau	095I_2003_2006	0.25 - 0.5	17965-085	nd	40.57	0.06	15.85	10.38	0.08	6.71	0.48	bdl	18.38	6.84	0.05	bdl	99.42	0.81	G9
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-089	nd	41.42	0.01	20.88	4.68	0.04	7.69	0.44	bdl	22.05	2.24	0.02	bdl	99.49	0.83	G10
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-090	nd	41.37	0.02	18.30	8.15	0.11	6.94	0.43	0.01	22.30	1.79	bdl	bdl	99.43	0.86	G11
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-091	nd	40.85	0.09	17.17	8.57	0.08	6.47	0.43	0.03	19.46	6.19	0.06	0.00	99.40	0.84	G9
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-092	nd	40.75	0.01	18.01	8.01	0.09	7.90	0.53	0.02	17.44	6.53	0.03	bdl	99.33	0.81	G9
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-093	nd	40.74	0.33	17.43	7.86	0.04	6.66	0.35	bdl	19.82	5.96	0.02	bdl	99.21	0.82	G11
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-117	nd	40.82	0.01	17.71	8.40	0.01	7.83	0.55	0.02	17.86	6.39	0.02	bdl	99.63	0.84	G9
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-118	nd	40.92	0.04	17.68	8.43	0.13	7.27	0.50	0.01	17.94	7.07	0.01	bdl	100.01	0.84	G9
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-120	nd	41.26	0.01	20.67	4.66	0.01	7.61	0.44	0.05	21.14	3.46	0.04	bdl	99.36	0.82	G10
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-121	nd	41.23	0.39	21.69	2.99	0.01	6.24	0.32	0.00	21.14	4.97	0.04	bdl	99.04	0.83	G11
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-122	nd	41.32	0.34	19.89	4.93	0.06	7.03	0.34	0.07	20.64	4.92	0.05	bdl	99.60	0.86	G9
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-123	nd	41.05	0.09	20.33	4.90	0.04	8.13	0.44	bdl	19.35	5.06	0.04	bdl	99.44	0.78	G9
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-124	nd	40.99	0.56	19.43	4.20	0.11	7.84	0.25	0.06	19.97	5.17	0.04	bdl	98.61	0.83	G11
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-125	nd	40.94	0.11	17.98	7.30	0.08	6.85	0.32	0.08	20.08	5.62	0.02	0.04	99.42	0.84	G9
Horn Plateau	095I_2003_2018	0.25 - 0.5	17966-005	nd	42.71	0.20	21.73	3.24	0.02	7.26	0.35	bdl	21.19	4.61	0.05	0.01	101.39	0.82	G9

Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-006	nd	42.16	bdl	21.89	3.85	bdl	8.10	0.53	0.00	20.91	3.52	bdl	0.01	101.00	0.84	G10
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-007	nd	42.01	0.19	18.72	7.43	0.02	7.11	0.30	bdl	19.84	5.92	0.02	bdl	101.57	0.82	G9
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-008	nd	41.82	0.13	16.76	10.43	bdl	6.17	0.33	0.01	21.27	4.15	0.02	bdl	101.11	0.82	G10D
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-009	nd	41.10	0.11	16.60	9.86	0.03	8.20	0.54	0.02	16.29	8.33	bdl	0.00	101.10	0.84	G12
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-010	nd	41.74	0.12	18.91	7.02	0.09	7.28	0.44	0.04	19.74	5.16	0.05	bdl	100.59	0.79	G11
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-011	nd	41.18	0.35	19.71	5.80	0.05	6.70	0.30	0.04	20.28	5.61	0.05	0.01	100.06	0.82	G9
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-012	nd	41.81	0.02	20.14	5.85	0.09	8.11	0.64	bdl	20.70	3.67	0.01	bdl	101.05	0.85	G10
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-013	nd	42.15	0.18	17.83	8.33	0.10	6.82	0.35	0.01	19.64	6.20	0.04	0.01	101.66	0.84	G9
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-014	nd	42.04	0.03	20.15	6.01	bdl	7.93	0.61	0.06	19.93	4.32	0.02	0.01	101.11	0.84	G11
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-015	nd	42.49	0.06	20.44	5.58	0.16	7.58	0.35	0.04	19.45	5.64	0.05	0.03	101.86	0.84	G9
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-016	nd	42.60	0.28	19.28	6.42	bdl	6.97	0.40	bdl	20.04	5.26	0.05	bdl	101.31	0.84	G9
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-017	nd	41.81	0.67	18.52	6.11	0.12	8.36	0.45	0.04	17.65	7.80	0.04	bdl	101.58	0.84	G11
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-018	nd	42.90	0.05	20.91	5.06	0.02	7.81	0.46	0.00	19.98	4.79	0.03	bdl	102.02	0.79	G9
Horn Plateau	095I_2003_2025	0.25 - 0.5	17966-019	nd	42.23	0.24	18.88	7.32	0.01	6.56	0.26	0.03	20.39	5.98	0.04	bdl	101.95	0.85	G11
Horn Plateau	095I_2003_2029	0.25 - 0.5	17966-023	nd	42.22	0.28	18.52	7.61	0.13	6.91	0.23	0.04	19.84	5.83	0.05	bdl	101.67	0.86	G9
Horn Plateau	095I_2003_2029	0.25 - 0.5	17966-024	nd	42.81	0.39	20.65	4.54	0.03	6.94	0.42	0.02	20.71	4.71	0.06	bdl	101.29	0.82	G11
Horn Plateau	095I_2003_2029	0.25 - 0.5	17966-025	nd	41.99	0.16	18.68	7.12	0.04	6.70	0.31	0.03	19.68	5.68	0.00	0.01	100.41	0.80	G9
Horn Plateau	095I_2003_2029	0.25 - 0.5	17966-026	nd	42.41	0.34	19.33	6.89	bdl	6.96	0.37	0.01	20.01	5.76	0.08	bdl	102.17	0.83	G11
Horn Plateau	095I_2003_2029	0.25 - 0.5	17966-027	nd	42.33	0.31	18.52	7.03	0.01	6.76	0.42	0.00	20.05	5.54	0.05	bdl	101.01	0.82	G9
Horn Plateau	095I_2003_2029	0.25 - 0.5	17966-028	nd	42.48	0.07	19.85	5.75	0.08	8.74	0.38	0.04	18.85	6.24	bdl	bdl	102.51	0.83	G11
Horn Plateau	095I_2003_2029	0.25 - 0.5	17966-029	nd	42.49	0.54	19.64	5.40	bdl	6.50	0.31	bdl	20.83	5.38	0.06	bdl	101.17	0.81	G11
Horn Plateau	095I_2003_2030	0.25 - 0.5	17966-032	nd	42.97	0.18	21.03	4.24	0.10	6.33	0.30	bdl	21.03	4.88	0.04	bdl	101.11	0.83	G9
Horn Plateau	095I_2003_2030	0.25 - 0.5	17966-033	nd	42.47	0.03	21.30	4.01	0.09	7.99	0.46	0.06	20.42	4.58	0.01	bdl	101.42	0.83	G9
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-034	nd	41.65	0.12	17.75	9.12	0.05	7.75	0.47	0.02	17.31	7.75	0.01	0.02	102.01	0.80	G12
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-035	nd	42.38	0.52	17.81	7.60	0.05	7.02	0.32	bdl	19.95	5.98	0.07	bdl	101.73	0.83	G11
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-036	nd	42.19	0.40	20.20	4.73	0.07	7.97	0.29	bdl	19.77	5.83	0.07	bdl	101.55	0.79	G9
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-037	nd	41.56	0.68	16.30	9.05	0.06	6.89	0.30	bdl	19.36	5.93	0.13	bdl	100.29	0.81	G11
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-038	nd	43.03	0.05	21.36	3.77	0.15	8.11	0.35	bdl	19.50	5.19	0.02	0.02	101.55	0.81	G9
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-039	nd	41.97	0.26	19.22	6.23	0.18	7.55	0.38	0.02	19.98	5.85	0.01	bdl	101.66	0.82	G9
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-040	nd	42.13	0.04	17.51	9.28	0.08	7.39	0.30	bdl	20.71	4.06	0.02	0.02	101.54	0.82	G10D
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-042	nd	42.13	0.29	19.43	6.37	0.09	7.14	0.47	bdl	20.18	5.48	0.08	0.02	101.70	0.84	G9
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-043	nd	41.96	bdl	20.55	5.55	0.08	8.78	0.57	0.07	18.57	6.17	bdl	bdl	102.32	0.81	G9
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-044	nd	42.27	bdl	19.75	5.68	0.07	7.72	0.49	bdl	18.93	6.11	bdl	bdl	101.07	0.78	G9
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-045	nd	41.73	0.06	19.34	6.54	0.06	7.74	0.51	bdl	18.94	6.02	0.02	bdl	100.97	0.80	G9
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-051	nd	42.01	0.02	18.61	7.58	0.11	7.28	0.38	bdl	18.38	7.20	0.03	0.01	101.64	0.84	G9
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-052	nd	41.29	0.10	16.88	9.71	bdl	7.35	0.53	0.07	18.35	6.52	0.06	bdl	100.89	0.81	G9
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-054	nd	42.43	0.22	19.80	5.94	0.06	7.12	0.46	0.06	20.36	5.10	0.05	bdl	101.61	0.83	G9
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-055	nd	41.87	0.03	21.12	4.95	0.01	7.91	0.35	bdl	19.40	5.41	0.02	bdl	101.09	0.08	G9
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-056	nd	41.39	0.23	19.04	6.97	bdl	8.88	0.71	0.03	17.99	6.51	0.06	bdl	101.84	0.81	G9
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-057	nd	42.28	0.19	22.48	2.12	0.06	8.81	0.36	0.06	19.94	4.55	0.03	bdl	100.89	0.83	G9
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-058	nd	41.55	0.08	18.98	6.95	0.02	6.61	0.48	bdl	19.97	5.52	0.06	0.01	100.24	0.82	G11
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-059	nd	42.11	0.07	22.21	2.46	0.05	8.53	0.40	0.03	20.11	4.47	0.06	bdl	100.51	0.83	G9
Horn Plateau	095I_2003_2048	0.25 - 0.5	17966-085	nd	42.39	0.46	19.59	5.57	0.04	7.32	0.37	0.02	20.78	5.32	0.04	bdl	101.91	0.84	G11
Horn Plateau	095I_2003_2050	0.25 - 0.5	17966-086	nd	42.37	0.37	19.08	6.65	0.03	7.11	0.27	bdl	20.06	5.32	0.02	0.00	101.30	0.83	G9
Horn Plateau	095I_2003_2053	0.25 - 0.5	17966-091	nd	41.34	0.35	21.60	3.13	0.03	8.30	0.30	0.01	19.76	4.86	0.11	bdl	99.79	0.83	G11

Horn Plateau	095I_2003_2053	0.25 - 0.5	17966-092	nd	41.37	0.32	18.13	7.40	0.10	7.21	0.32	bdl	19.63	6.18	0.03	0.00	100.71	0.83	G9
Horn Plateau	095I_2003_2053	0.25 - 0.5	17966-093	nd	42.07	0.64	18.88	5.66	0.05	7.74	0.38	bdl	19.65	6.09	0.07	0.01	101.26	0.66	G11
Horn Plateau	095I_2003_2053	0.25 - 0.5	17966-094	nd	41.57	0.11	19.34	6.32	0.04	7.20	0.45	0.03	19.52	6.09	0.05	0.01	100.72	0.84	G9
Horn Plateau	095I_2003_2056	0.25 - 0.5	17966-095	nd	42.06	0.27	20.84	4.60	0.05	7.16	0.34	0.04	21.25	4.69	0.07	bdl	101.39	0.84	G9
Horn Plateau	095I_2003_2056	0.25 - 0.5	17966-096	nd	41.43	0.25	18.93	6.92	0.03	7.35	0.48	0.08	20.17	5.32	0.06	bdl	101.02	0.84	G11
Horn Plateau	095I_2003_2056	0.25 - 0.5	17966-097	nd	41.90	0.17	19.87	5.95	0.04	6.94	0.35	0.06	20.40	5.56	0.01	0.00	101.26	0.83	G9
Horn Plateau	095I_2003_2067	0.25 - 0.5	17966-101	nd	41.82	0.19	18.98	6.63	0.11	7.28	0.40	bdl	19.67	5.64	0.02	0.00	100.74	0.83	G11
Horn Plateau	095I_2003_2070	0.25 - 0.5	17966-105	nd	41.43	0.23	16.70	10.03	0.06	6.56	0.35	bdl	19.31	6.45	0.05	bdl	101.18	0.83	G9
Horn Plateau	095I_2003_2070	0.25 - 0.5	17966-106	nd	41.45	0.23	18.89	6.99	0.02	6.89	0.37	bdl	20.12	5.76	0.06	bdl	100.81	0.82	G9
Horn Plateau	095I_2003_2070	0.25 - 0.5	17966-107	nd	41.34	0.51	17.04	8.76	0.07	6.93	0.36	bdl	19.72	6.01	0.06	bdl	100.82	0.83	G11
Horn Plateau	095I_2003_2070	0.25 - 0.5	17966-108	nd	41.51	0.18	18.00	7.60	bdl	6.93	0.31	0.08	19.55	6.37	0.04	0.00	100.59	0.83	G9
Horn Plateau	095I_2003_2070	0.25 - 0.5	17966-110	nd	41.19	0.51	18.75	7.10	0.03	7.35	0.39	0.05	19.84	5.61	0.07	0.02	100.89	0.76	G11
Horn Plateau	095I_2003_2070	0.25 - 0.5	17966-111	nd	41.44	0.04	20.14	5.83	0.16	8.71	0.54	0.04	18.86	5.85	bdl	bdl	101.65	0.81	G9
Horn Plateau	095I_2003_2070	0.25 - 0.5	17966-112	nd	41.97	0.36	19.71	6.12	0.02	7.59	0.34	bdl	20.61	5.21	0.06	0.01	102.02	0.83	G9
Horn Plateau	095I_2003_2070	0.25 - 0.5	17966-113	nd	41.89	0.01	20.91	5.09	0.12	7.92	0.44	bdl	19.90	4.90	0.03	0.00	101.21	0.84	G9
Horn Plateau	095I_2003_2071	0.25 - 0.5	17966-116	nd	41.90	0.30	20.45	4.77	0.02	7.52	0.37	0.04	20.69	5.26	0.04	0.01	101.38	0.83	G9
Horn Plateau	095I_2003_2071	0.25 - 0.5	17966-117	nd	41.77	0.19	20.27	4.77	0.06	7.59	0.41	0.00	20.61	4.93	0.04	0.01	100.65	0.84	G9
Horn Plateau	095I_2003_2071	0.25 - 0.5	17966-118	nd	41.61	0.38	19.90	5.42	0.02	7.83	0.39	0.04	18.79	6.85	bdl	0.01	101.25	0.79	G12
Horn Plateau	095I_2003_2074	0.25 - 0.5	17966-120	nd	41.15	0.10	17.67	9.06	0.10	7.67	0.60	0.01	18.14	6.84	0.03	0.02	101.41	0.83	G9
Horn Plateau	095I_2003_2074	0.25 - 0.5	17966-121	nd	41.61	0.28	17.58	8.49	0.08	7.08	0.44	0.03	19.56	5.97	0.02	bdl	101.17	0.82	G9
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-122	nd	42.60	0.27	21.01	4.07	0.13	6.94	0.37	bdl	20.91	4.74	0.04	bdl	101.10	0.85	G11
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-123	nd	42.02	0.38	17.87	7.85	0.06	7.18	0.42	0.02	19.66	6.07	0.08	bdl	101.64	0.84	G9
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-124	nd	42.58	0.23	20.26	5.03	0.04	7.00	0.24	0.01	20.81	5.13	0.03	0.02	101.39	0.84	G9
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-125	nd	41.58	0.12	21.20	4.30	0.11	9.23	0.51	0.11	19.32	4.94	0.07	bdl	101.52	0.83	G9
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-126	nd	42.17	0.24	19.25	6.22	0.01	7.41	0.34	bdl	20.02	5.74	0.03	0.00	101.42	0.78	G11
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-127	nd	42.05	0.24	22.21	2.76	0.07	7.54	0.39	0.03	21.24	4.32	0.04	bdl	100.89	0.80	G9
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-128	nd	41.89	0.06	21.70	3.77	0.04	7.75	0.37	bdl	20.19	5.07	bdl	0.01	100.89	0.83	G9
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-129	nd	41.70	0.42	19.43	5.86	bdl	6.78	0.42	bdl	20.74	5.24	0.05	bdl	100.66	0.82	G11
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-130	nd	41.72	0.11	18.78	7.50	bdl	6.92	0.34	0.02	20.27	5.86	bdl	bdl	101.56	0.81	G9
Horn Plateau	095I_2003_2079	0.25 - 0.5	17966-153	nd	41.77	0.09	18.60	7.73	bdl	6.79	0.35	0.06	20.58	4.36	0.02	0.00	100.37	0.85	G10D
Horn Plateau	095I_2003_2080	0.25 - 0.5	17966-154	nd	41.46	0.32	18.22	7.56	0.13	7.02	0.37	bdl	19.75	5.85	0.09	bdl	100.80	0.84	G9
Horn Plateau	095I_2003_2080	0.25 - 0.5	17966-155	nd	41.85	0.65	19.66	4.37	bdl	8.84	0.42	bdl	17.79	7.14	0.07	bdl	100.82	0.82	G11
Horn Plateau	095I_2003_2080	0.25 - 0.5	17966-156	nd	41.74	0.08	21.26	4.13	0.01	8.43	0.41	0.06	19.27	5.58	0.01	0.03	101.01	0.79	G9
Horn Plateau	095I_2003_2082	0.25 - 0.5	17966-162	nd	41.07	0.63	17.29	8.15	0.09	7.37	0.29	bdl	19.42	6.61	0.05	bdl	100.99	0.83	G11
Horn Plateau	095I_2003_2082	0.25 - 0.5	17966-163	nd	42.20	bdl	21.26	3.97	0.09	8.39	0.43	0.01	19.82	5.03	bdl	0.00	101.22	0.85	G11
Horn Plateau	095I_2003_2082	0.25 - 0.5	17966-164	nd	41.92	0.30	20.27	4.70	0.05	6.81	0.36	bdl	20.86	5.17	0.09	0.00	100.54	0.82	G11
Horn Plateau	095I_2003_2082	0.25 - 0.5	17966-165	nd	41.59	0.13	18.68	7.45	0.04	6.77	0.43	0.05	20.27	5.16	0.03	bdl	100.62	0.84	G10
Horn Plateau	095I_2003_2082	0.25 - 0.5	17966-166	nd	41.33	0.67	16.71	8.90	0.06	7.21	0.28	0.04	19.03	6.69	0.04	0.00	100.95	0.85	G11
Horn Plateau	095I_2003_2082	0.25 - 0.5	17966-167	nd	42.29	0.31	21.66	3.12	0.08	9.15	0.53	0.04	19.25	5.12	0.05	0.02	101.62	0.80	G9
Horn Plateau	095I_2003_2082	0.25 - 0.5	17966-169	nd	41.95	0.23	20.15	5.32	0.07	7.58	0.41	0.01	20.44	5.22	0.04	0.00	101.41	0.84	G9
Horn Plateau	095I_2003_2087	0.25 - 0.5	17966-170	nd	41.97	0.50	17.90	8.04	0.01	6.30	0.30	0.02	20.46	5.49	0.02	bdl	101.01	0.83	G11
Horn Plateau	095I_2003_2087	0.25 - 0.5	17966-171	nd	41.82	0.48	20.38	4.71	0.03	7.90	0.47	0.11	20.37	5.38	0.04	0.04	101.73	0.85	G11
Horn Plateau	095I_2003_2087	0.25 - 0.5	17966-172	nd	41.81	0.06	17.66	9.74	0.09	7.61	0.60	bdl	21.89	2.46	0.05	bdl	101.98	0.83	G10D
Horn Plateau	095I_2003_2087	0.25 - 0.5	17966-173	nd	42.55	0.00	20.47	6.53	0.14	6.98	0.49	0.09	22.94	2.09	0.05	0.01	102.32	0.80	G10
Horn Plateau	095I_2003_2087	0.25 - 0.5	17966-174	nd	41.69	bdl	19.79	6.34	0.08	8.06	0.43	0.06	18.66	6.42	0.01	bdl	101.56	0.82	G9

Horn Plateau	095I_2003_2092	0.25 - 0.5	17966-178	nd	41.65	0.41	20.32	4.35	0.19	8.63	0.44	0.01	17.97	7.58	0.06	0.01	101.63	0.82	G12
Horn Plateau	095I_2003_2092	0.25 - 0.5	17966-179	nd	41.45	0.16	18.16	8.10	0.13	6.77	0.27	0.02	19.93	5.89	0.04	bdl	100.92	0.83	G9
Horn Plateau	095I_2003_2092	0.25 - 0.5	17966-180	nd	42.36	0.26	21.47	3.50	0.02	7.63	0.36	0.09	21.00	4.45	0.05	bdl	101.19	0.84	G9
Horn Plateau	095I_2003_2092	0.25 - 0.5	17966-181	nd	41.60	0.08	16.01	10.52	0.02	6.20	0.39	0.04	19.31	6.44	0.01	0.01	100.65	0.80	G9
Horn Plateau	095I_2003_2092	0.25 - 0.5	17966-182	nd	42.47	0.31	20.58	4.05	0.07	7.56	0.33	bdl	20.69	5.18	0.01	bdl	101.27	0.85	G9
Horn Plateau	095I_2003_2092	0.25 - 0.5	17966-183	nd	41.44	0.03	17.40	8.95	0.16	8.13	0.49	0.01	17.77	7.36	0.01	bdl	101.76	0.84	G9
Horn Plateau	095I_2003_2094	0.25 - 0.5	17967-001	nd	41.14	0.06	17.63	8.23	bdl	7.68	0.42	0.02	19.12	5.73	0.02	0.01	100.05	0.81	G9
Horn Plateau	095I_2003_2100	0.25 - 0.5	17967-005	nd	41.69	0.02	20.30	4.93	0.03	7.36	0.42	0.10	20.33	4.78	bdl	0.00	99.97	0.83	G9
Horn Plateau	095I_2003_2100	0.25 - 0.5	17967-006	nd	41.04	0.14	18.11	8.17	0.05	6.80	0.41	0.03	19.93	5.22	0.05	bdl	99.96	0.82	G10
Horn Plateau	095I_2003_2100	0.25 - 0.5	17967-007	nd	41.39	0.01	19.39	5.80	0.08	8.31	0.55	bdl	18.21	6.55	bdl	0.01	100.31	0.84	G9
Horn Plateau	095I_2003_2100	0.25 - 0.5	17967-008	nd	41.73	0.15	18.09	7.83	0.18	6.45	0.39	bdl	20.09	5.87	0.03	bdl	100.82	0.83	G11
Horn Plateau	095I_2003_2100	0.25 - 0.5	17967-009	nd	41.54	0.20	18.51	6.84	bdl	6.83	0.46	0.05	20.03	5.70	0.02	0.00	100.20	0.84	G9
Horn Plateau	095I_2003_2100	0.25 - 0.5	17967-011	nd	41.27	0.07	19.17	6.63	0.09	7.63	0.44	0.01	18.28	6.84	0.04	0.00	100.46	0.13	G9
Horn Plateau	095I_2003_2109	0.25 - 0.5	17967-015	nd	40.92	0.21	17.96	7.53	0.13	7.26	0.29	0.05	19.31	6.32	bdl	bdl	100.01	0.84	G9
Horn Plateau	095I_2003_2109	0.25 - 0.5	17967-016	nd	40.94	0.08	16.88	9.24	0.13	7.37	0.42	0.02	18.32	7.00	0.00	bdl	100.42	0.83	G9
Horn Plateau	095I_2003_2112	0.25 - 0.5	17967-023	nd	41.66	0.17	20.71	4.34	0.05	7.28	0.28	0.08	20.72	5.12	0.02	bdl	100.41	0.81	G9
Horn Plateau	095I_2003_2112	0.25 - 0.5	17967-024	nd	41.03	0.41	16.68	9.23	0.00	6.94	0.30	bdl	19.27	6.58	0.06	0.02	100.54	0.85	G11
Horn Plateau	095I_2003_2112	0.25 - 0.5	17967-025	nd	41.44	0.06	19.88	5.14	0.07	6.98	0.34	0.02	20.47	5.44	0.05	0.02	99.91	0.84	G9
Horn Plateau	095I_2003_2112	0.25 - 0.5	17967-026	nd	41.02	0.01	22.17	2.78	bdl	7.66	0.30	bdl	19.89	5.57	0.02	bdl	99.45	0.83	G9
Horn Plateau	095I_2003_2117	0.25 - 0.5	17967-029	nd	40.44	0.04	16.72	9.61	bdl	6.46	0.37	0.03	18.97	6.45	0.01	0.01	99.12	0.80	G9
Horn Plateau	095I_2003_2117	0.25 - 0.5	17967-030	nd	41.85	0.36	21.49	2.75	bdl	7.60	0.36	bdl	20.51	4.37	bdl	0.01	99.33	0.81	G9
Horn Plateau	095I_2003_2117	0.25 - 0.5	17967-031	nd	41.11	0.09	19.73	5.61	bdl	8.11	0.46	0.10	19.37	5.41	0.02	bdl	100.04	0.83	G9
Horn Plateau	095I_2003_2117	0.25 - 0.5	17967-032	nd	41.14	0.05	17.91	8.24	bdl	6.47	0.37	bdl	20.71	4.68	0.01	bdl	99.60	0.83	G10
Horn Plateau	095I_2003_2119	0.25 - 0.5	17967-036	nd	41.42	0.30	19.24	5.83	0.06	6.92	0.37	bdl	20.57	5.42	bdl	bdl	100.16	0.77	G9
Horn Plateau	095I_2003_2119	0.25 - 0.5	17967-037	nd	41.48	0.03	21.35	4.20	0.03	7.90	0.42	bdl	21.44	3.42	bdl	bdl	100.29	0.82	G10
Horn Plateau	095I_2003_2119	0.25 - 0.5	17967-038	nd	40.61	0.33	16.18	9.33	0.13	6.48	0.33	0.03	19.39	6.23	0.02	bdl	99.07	0.84	G9
Horn Plateau	095I_2003_2119	0.25 - 0.5	17967-039	nd	40.09	0.03	18.29	7.62	0.14	7.67	0.55	0.02	17.29	7.25	bdl	bdl	98.96	0.84	G9
Horn Plateau	095I_2003_2122	0.25 - 0.5	17967-040	nd	40.64	0.37	17.46	8.14	bdl	7.82	0.43	0.07	18.36	6.63	0.05	bdl	99.99	0.83	G11
Horn Plateau	095I_2003_2122	0.25 - 0.5	17967-041	nd	41.61	0.38	21.28	3.18	0.04	7.62	0.44	bdl	20.65	4.50	0.07	0.01	99.81	0.82	G11
Horn Plateau	095I_2003_2122	0.25 - 0.5	17967-043	nd	41.18	0.47	20.18	3.75	0.14	9.46	0.49	0.01	17.52	7.38	0.07	0.01	100.67	0.84	G12
Horn Plateau	095I_2003_2125	0.25 - 0.5	17967-052	nd	40.46	0.18	17.17	9.28	0.06	7.20	0.42	0.05	18.83	6.55	0.04	bdl	100.25	0.79	G9
Horn Plateau	095I_2003_2125	0.25 - 0.5	17967-053	nd	41.06	0.33	19.65	5.76	0.05	7.01	0.39	0.01	20.35	5.31	0.07	bdl	99.99	0.83	G9
Horn Plateau	095I_2003_2125	0.25 - 0.5	17967-054	nd	41.03	0.18	17.59	8.42	0.13	6.73	0.40	bdl	20.10	5.61	0.03	bdl	100.24	0.82	G9
Horn Plateau	095I_2003_2125	0.25 - 0.5	17967-055	nd	41.38	0.39	18.62	6.98	bdl	7.12	0.31	bdl	20.08	5.31	0.08	bdl	100.32	0.84	G11
Horn Plateau	095J_2003_1003	0.25 - 0.5	17967-056	nd	41.60	0.45	20.31	4.14	0.07	7.97	0.38	0.02	20.13	4.84	0.05	bdl	99.98	0.84	G11
Horn Plateau	095J_2003_1004	0.25 - 0.5	17967-060	nd	41.36	0.01	17.91	8.24	0.01	6.99	0.50	0.02	21.34	3.54	0.04	bdl	99.97	0.83	G10
Horn Plateau	095J_2003_1004	0.25 - 0.5	17967-061	nd	40.56	0.07	16.65	9.85	0.01	8.20	0.51	0.01	16.94	8.09	0.01	bdl	100.89	0.82	G12
Horn Plateau	095J_2003_1004	0.25 - 0.5	17967-062	nd	40.33	0.09	17.45	8.43	0.06	7.01	0.42	0.04	19.13	6.71	0.05	bdl	99.75	0.81	G9
Horn Plateau	095J_2003_1004	0.25 - 0.5	17967-063	nd	41.57	0.03	19.39	6.26	0.08	7.81	0.63	bdl	20.30	4.22	bdl	0.01	100.33	0.81	G10
Horn Plateau	095J_2003_1004	0.25 - 0.5	17967-064	nd	41.75	bdl	19.87	6.30	0.03	7.60	0.51	bdl	22.28	2.12	0.03	0.01	100.53	0.85	G10
Horn Plateau	095J_2003_1008	0.25 - 0.5	17967-067	nd	41.21	0.26	18.69	6.80	0.07	6.86	0.42	0.01	20.28	5.74	0.03	bdl	100.38	0.84	G11
Horn Plateau	095J_2003_1008	0.25 - 0.5	17967-068	nd	41.12	0.45	17.27	7.67	bdl	8.39	0.40	0.03	18.62	6.21	0.10	bdl	100.28	0.80	G9
Horn Plateau	095J_2003_1011	0.25 - 0.5	17967-069	nd	41.87	bdl	19.81	6.04	0.03	7.27	0.46	0.03	19.66	5.82	0.04	0.02	101.05	0.80	G9
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-076	nd	41.47	0.20	18.69	7.02	0.11	7.72	0.42	bdl	19.17	6.00	bdl	0.03	100.87	0.84	G9
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-077	nd	41.21	0.02	19.48	5.96	0.06	7.91	0.60	bdl	18.86	6.29	0.01	bdl	100.43	0.82	G9

Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-078	nd	40.78	bdl	18.10	8.79	0.02	7.69	0.53	0.07	18.26	7.07	0.07	bdl	101.39	0.83	G9
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-079	nd	42.11	0.31	20.96	4.20	0.04	6.61	0.34	bdl	21.10	5.05	0.06	0.02	100.81	0.83	G11
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-080	nd	41.04	0.42	19.37	5.87	0.04	6.66	0.39	0.05	20.18	5.55	0.12	0.00	99.70	0.68	G11
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-081	nd	40.96	0.03	18.14	8.08	0.04	7.50	0.40	0.06	17.23	7.79	bdl	0.01	100.23	0.80	G12
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-082	nd	41.19	0.07	17.96	7.45	0.16	7.74	0.48	0.10	17.56	6.90	bdl	0.01	99.63	0.84	G9
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-083	nd	42.00	0.05	21.72	3.98	0.03	7.56	0.38	0.04	21.59	3.34	0.01	bdl	100.71	0.80	G10
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-085	nd	41.16	0.04	19.39	6.71	bdl	8.00	0.41	bdl	20.07	4.56	0.02	bdl	100.38	0.83	G10
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-086	nd	40.65	0.07	17.32	9.20	0.04	6.98	0.60	0.03	19.32	5.52	bdl	0.02	99.76	0.84	G10
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-087	nd	41.53	0.79	17.28	7.40	0.11	7.30	0.40	0.06	19.41	6.16	0.08	bdl	100.54	0.84	G11
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-088	nd	40.28	0.05	18.07	7.32	0.07	12.32	0.72	0.05	14.80	7.45	0.02	0.01	101.17	0.81	G12
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-089	nd	41.09	0.08	17.94	7.71	0.16	8.03	0.36	0.01	17.49	7.38	0.02	0.01	100.28	0.83	G11
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-090	nd	41.61	0.30	17.65	7.67	0.04	6.62	0.32	bdl	19.91	6.05	0.06	bdl	100.27	0.78	G9
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-091	nd	41.20	0.03	18.03	8.01	0.09	8.00	0.54	bdl	17.43	7.51	0.05	bdl	100.90	0.84	G12
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-092	nd	41.61	0.38	17.81	7.83	0.00	7.13	0.39	bdl	19.45	6.06	0.07	0.01	100.75	0.83	G9
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-093	nd	42.14	0.14	20.70	4.11	bdl	6.89	0.38	0.03	20.96	4.75	bdl	0.02	100.15	0.85	G9
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-094	nd	41.69	0.33	19.59	6.00	0.07	6.88	0.36	0.02	20.47	5.28	0.07	0.02	100.78	0.83	G9
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-095	nd	41.31	0.27	19.51	5.79	0.09	8.05	0.40	0.02	19.28	6.11	0.08	0.01	100.91	0.83	G9
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-096	nd	41.02	0.61	16.23	9.34	bdl	6.99	0.38	0.02	19.40	6.54	0.06	bdl	100.61	0.85	G11
Horn Plateau	095J_2003_1020	0.25 - 0.5	17967-125	nd	41.31	0.08	17.90	8.01	0.02	6.80	0.36	0.07	19.71	5.42	0.03	bdl	99.70	0.82	G9
Horn Plateau	095J_2003_1020	0.25 - 0.5	17967-126	nd	41.81	0.24	20.18	4.81	0.06	7.66	0.52	0.06	20.47	4.89	0.04	bdl	100.75	0.84	G9
Horn Plateau	095J_2003_1020	0.25 - 0.5	17967-127	nd	41.80	0.02	21.18	4.52	0.11	6.71	0.27	0.04	21.08	4.65	0.05	0.01	100.44	0.83	G9
Horn Plateau	095J_2003_1020	0.25 - 0.5	17967-128	nd	41.56	0.30	20.51	4.48	0.04	7.38	0.38	bdl	20.35	4.93	0.02	0.02	99.98	0.83	G9
Horn Plateau	095J_2003_1022	0.25 - 0.5	17967-129	nd	41.70	0.15	19.45	6.18	bdl	7.24	0.48	bdl	20.19	5.13	0.02	bdl	100.57	0.81	G9
Horn Plateau	095J_2003_1022	0.25 - 0.5	17967-130	nd	41.14	0.23	17.24	8.51	bdl	6.27	0.38	0.01	19.79	6.19	0.03	bdl	99.81	0.84	G9
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-133	nd	40.84	0.05	21.07	4.23	bdl	8.29	0.42	0.07	18.56	6.52	0.02	bdl	100.09	0.80	G12
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-134	nd	41.20	0.17	19.17	6.29	bdl	7.98	0.45	bdl	19.76	5.18	0.02	bdl	100.25	0.81	G9
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-135	nd	40.57	0.25	17.90	7.46	0.02	6.78	0.31	bdl	19.75	5.86	0.02	bdl	98.95	0.83	G9
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-136	nd	41.28	bdl	20.70	4.81	0.06	8.07	0.39	0.07	21.94	1.90	bdl	bdl	99.24	0.84	G10
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-137	nd	41.31	0.07	18.35	7.80	0.06	7.20	0.40	0.02	19.86	5.94	0.02	bdl	101.05	0.83	G11
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-139	nd	41.05	0.14	19.83	5.89	0.12	7.03	0.40	bdl	20.30	5.03	bdl	bdl	99.82	0.84	G9
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-140	nd	40.69	0.06	19.81	5.79	bdl	8.25	0.48	0.04	18.66	6.02	0.04	0.01	99.85	0.80	G9
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-141	nd	40.33	0.19	17.51	7.89	0.06	7.86	0.43	bdl	19.00	6.07	0.08	0.00	99.42	0.84	G11
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-142	nd	41.23	0.05	19.57	5.96	0.06	7.14	0.48	0.03	19.70	5.72	0.01	0.02	99.97	0.83	G9
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-143	nd	41.80	0.23	19.42	5.35	0.06	6.94	0.37	bdl	20.50	5.27	0.01	bdl	99.97	0.80	G9
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-144	nd	41.38	0.40	18.00	7.04	0.14	6.98	0.32	0.04	19.74	5.90	bdl	bdl	99.96	0.81	G11
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-158	nd	41.40	0.22	21.85	3.29	bdl	7.01	0.36	bdl	20.14	5.20	0.05	bdl	99.56	0.83	G9
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-159	nd	41.08	0.08	19.49	6.01	0.06	8.18	0.49	0.06	18.70	6.23	bdl	0.01	100.39	0.84	G9
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-160	nd	40.91	0.62	18.50	5.41	0.07	7.13	0.28	bdl	20.33	5.38	0.11	bdl	98.76	0.16	G11
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-161	nd	41.38	0.24	19.58	5.59	0.14	7.65	0.39	bdl	20.25	4.64	bdl	bdl	99.90	0.85	G11
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-162	nd	41.06	0.35	19.44	5.32	0.06	8.35	0.30	0.03	18.65	6.64	0.01	bdl	100.22	0.83	G9
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-163	nd	41.47	0.05	19.66	6.32	0.08	7.88	0.50	bdl	18.73	5.85	0.02	bdl	100.59	0.84	G9
Horn Plateau	095J_2003_2003	0.25 - 0.5	17967-176	nd	41.39	0.30	20.61	4.16	0.04	7.00	0.33	bdl	20.78	4.86	0.07	0.01	99.57	0.81	G9
Horn Plateau	095J_2003_2003	0.25 - 0.5	17967-177	nd	41.67	0.18	20.01	5.52	bdl	7.47	0.35	0.04	20.29	5.02	0.07	bdl	100.64	0.82	G9
Horn Plateau	095J_2003_2003	0.25 - 0.5	17967-180	nd	41.17	0.38	20.75	4.22	0.09	6.59	0.30	bdl	20.92	5.05	0.03	bdl	99.52	0.84	G11
Horn Plateau	095J_2003_2003	0.25 - 0.5	17967-181	nd	41.25	0.16	18.99	6.22	bdl	7.15	0.45	bdl	19.62	5.45	0.03	bdl	99.35	0.83	G9

Horn Plateau	095J_2003_2003	0.25 - 0.5	17967-182	nd	41.26	0.11	16.85	9.03	bdl	6.73	0.36	bdl	19.59	6.43	0.03	0.00	100.41	0.81	G9
Horn Plateau	095J_2003_2003	0.25 - 0.5	17967-183	nd	41.74	0.16	20.90	4.15	bdl	8.00	0.38	0.06	19.34	5.58	0.01	0.03	100.37	0.84	G9
Horn Plateau	095J_2003_2004	0.25 - 0.5	17968-001	nd	40.79	0.12	19.37	6.44	0.02	7.54	0.48	0.05	18.86	6.25	0.06	0.02	100.00	0.83	G9
Horn Plateau	095J_2003_2004	0.25 - 0.5	17968-003	nd	41.27	0.22	19.22	6.00	0.11	7.83	0.40	0.02	20.14	5.69	0.03	bdl	100.93	0.82	G9
Horn Plateau	095J_2003_2006	0.25 - 0.5	17968-004	nd	41.42	0.57	19.57	4.91	0.12	7.27	0.30	bdl	20.67	5.27	0.03	bdl	100.15	0.81	G11
Horn Plateau	095J_2003_2006	0.25 - 0.5	17968-005	nd	41.15	bdl	18.56	7.56	0.04	7.38	0.48	0.04	20.33	4.72	0.01	0.01	100.30	0.85	G10
Horn Plateau	095J_2003_2006	0.25 - 0.5	17968-006	nd	41.45	0.04	20.99	3.98	0.06	8.11	0.43	0.01	19.37	5.22	0.00	bdl	99.68	0.85	G9
Horn Plateau	095J_2003_2006	0.25 - 0.5	17968-007	nd	41.33	0.19	18.35	7.10	0.07	6.83	0.27	0.00	19.91	6.11	bdl	0.01	100.18	0.84	G9
Horn Plateau	095J_2003_2006	0.25 - 0.5	17968-008	nd	40.99	0.06	19.68	5.76	0.09	7.32	0.46	bdl	19.60	5.86	0.04	0.01	99.87	0.80	G9
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-011	nd	40.93	0.16	21.74	3.17	0.10	8.76	0.44	0.05	19.43	4.85	0.01	bdl	99.64	0.83	G9
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-012	nd	40.37	0.16	19.90	5.36	0.10	7.87	0.32	0.03	19.49	5.39	0.01	bdl	99.01	0.83	G9
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-013	nd	40.39	0.02	17.12	8.94	0.11	7.67	0.47	bdl	18.68	6.36	bdl	bdl	99.79	0.65	G9
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-014	nd	41.25	0.25	20.07	5.30	0.04	6.67	0.32	0.01	20.76	5.27	0.03	0.03	100.00	0.78	G9
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-016	nd	41.27	0.34	21.32	3.39	0.04	7.39	0.34	0.11	21.15	4.63	0.05	bdl	100.04	0.79	G9
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-017	nd	41.01	0.06	18.70	6.95	0.09	7.82	0.43	bdl	17.83	7.48	0.01	bdl	100.40	0.69	G12
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-018	nd	41.64	0.21	19.67	5.28	0.13	7.34	0.37	0.04	20.43	4.74	0.05	bdl	99.89	0.80	G9
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-019	nd	41.23	0.34	18.63	7.00	bdl	7.38	0.44	0.05	19.89	5.52	0.04	bdl	100.55	0.79	G9
Horn Plateau	095J_2003_2010	0.25 - 0.5	17968-025	nd	41.24	0.01	21.54	3.28	0.06	9.66	0.59	bdl	18.83	5.11	0.03	0.01	100.37	0.81	G9
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-029	nd	40.89	0.03	18.45	7.93	bdl	8.32	0.57	bdl	17.50	7.89	0.01	bdl	101.62	0.81	G12
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-031	nd	42.09	0.07	20.75	4.53	0.01	8.69	0.31	0.07	19.53	5.22	0.01	bdl	101.29	0.81	G9
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-032	nd	40.99	0.11	19.51	6.34	0.04	8.45	0.51	bdl	18.15	6.46	0.01	bdl	100.59	0.84	G9
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-033	nd	42.34	0.24	22.39	2.23	bdl	7.22	0.32	bdl	21.24	4.12	0.03	bdl	100.16	0.78	G11
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-034	nd	40.87	0.40	19.38	5.59	0.06	7.90	0.48	0.08	19.52	5.90	0.05	bdl	100.24	0.83	G9
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-035	nd	41.33	0.15	20.90	4.67	bdl	7.28	0.28	0.01	20.35	4.76	0.07	bdl	99.82	0.83	G9
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-036	nd	40.72	0.04	19.86	5.86	0.04	8.01	0.60	0.03	18.56	6.09	bdl	bdl	99.84	0.83	G9
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-037	nd	40.47	0.21	18.14	8.19	0.09	7.62	0.40	0.01	18.82	6.77	0.07	bdl	100.81	0.82	G9
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-039	nd	41.61	0.14	20.83	3.99	0.08	7.26	0.39	0.01	20.68	4.92	0.06	0.03	99.99	0.82	G9
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-040	nd	40.78	0.71	18.55	5.96	0.07	8.71	0.54	0.03	17.45	7.32	0.01	bdl	100.14	0.81	G11
Horn Plateau	095J_2003_2016	0.25 - 0.5	17968-048	nd	41.62	0.32	22.50	2.58	0.04	7.41	0.38	0.00	20.99	4.47	0.08	0.01	100.38	0.83	G11
Horn Plateau	095J_2003_2016	0.25 - 0.5	17968-049	nd	41.87	0.37	18.55	6.48	0.06	7.51	0.40	bdl	20.21	5.65	0.07	bdl	101.18	0.84	G9
Horn Plateau	095J_2003_2016	0.25 - 0.5	17968-050	nd	41.50	0.33	19.30	5.86	0.08	7.34	0.38	bdl	20.12	5.37	0.03	bdl	100.32	0.84	G9
Horn Plateau	095J_2003_2016	0.25 - 0.5	17968-051	nd	41.18	0.06	19.22	6.83	0.05	8.39	0.58	0.04	20.80	3.33	0.02	bdl	100.50	0.82	G10
Horn Plateau	095J_2003_2024	0.25 - 0.5	17968-055	nd	41.47	0.14	20.00	5.82	0.09	7.73	0.67	bdl	19.80	4.59	0.04	0.00	100.36	0.82	G10
Horn Plateau	095J_2003_2024	0.25 - 0.5	17968-056	nd	41.27	0.09	21.41	3.76	0.01	8.50	0.48	bdl	20.18	4.73	0.01	0.01	100.46	0.83	G11
Horn Plateau	095J_2003_2024	0.25 - 0.5	17968-057	nd	40.69	0.64	17.15	8.31	bdl	6.64	0.42	0.02	18.48	8.13	0.07	bdl	100.58	0.84	G11
Horn Plateau	085L_2005_1018	1.0 - 2.0	21734-001	nd	41.03	0.04	20.86	3.99	bdl	7.51	0.50	0.02	20.80	4.26	bdl	bdl	99.05	0.84	G11
Horn Plateau	085L_2005_1030	1.0 - 2.0	21734-002	nd	40.68	0.01	20.69	4.32	0.04	7.81	0.51	bdl	19.00	5.70	0.01	bdl	98.78	0.77	G9
Horn Plateau	085E_2005_1002	0.5 - 1.0	21734-004	nd	40.18	0.01	17.61	7.93	0.08	8.39	0.57	bdl	16.62	8.00	0.02	0.04	99.45	0.80	G12
Horn Plateau	085E_2005_2122	0.5 - 1.0	21734-005	nd	40.42	0.07	18.74	6.98	0.06	8.01	0.58	0.04	17.82	7.20	0.02	bdl	99.96	0.80	G11
Horn Plateau	085E_2005_2123	0.5 - 1.0	21734-006	nd	40.27	0.26	18.80	5.83	0.06	10.10	0.67	0.04	16.66	6.84	0.08	bdl	99.64	0.84	G9
Horn Plateau	085E_2005_2190	0.5 - 1.0	21734-007	nd	41.01	0.43	17.91	7.57	0.05	6.80	0.46	0.03	18.75	6.79	0.05	bdl	99.85	0.80	G11
Horn Plateau	085E_2005_2190	0.5 - 1.0	21734-008	nd	40.81	0.24	18.07	7.33	bdl	7.04	0.33	0.07	19.33	6.36	0.07	bdl	99.67	0.83	G9
Horn Plateau	085E_2005_2190	0.5 - 1.0	21734-009	nd	40.69	0.14	19.42	5.49	bdl	8.36	0.47	0.02	18.62	6.27	bdl	0.01	99.50	0.80	G9
Horn Plateau	085E_2005_2190	0.5 - 1.0	21734-010	nd	40.86	0.04	19.44	5.96	0.08	7.74	0.51	0.09	19.09	6.28	bdl	bdl	100.11	0.83	G9
Horn Plateau	085E_2005_2192	0.5 - 1.0	21734-011	nd	41.19	0.35	19.21	5.87	0.01	6.94	0.28	0.08	20.12	5.49	0.09	bdl	99.64	0.80	G9

Horn Plateau	085L_2005_1002	0.5 - 1.0	21734-012	nd	41.39	0.25	19.86	4.67	bdl	7.53	0.42	0.04	20.10	5.22	0.04	bdl	99.53	0.76	G9
Horn Plateau	085L_2005_1004	0.5 - 1.0	21734-013	nd	40.81	0.05	19.10	6.48	bdl	7.36	0.49	0.04	18.66	6.85	0.02	0.00	99.88	0.84	G9
Horn Plateau	085L_2005_1004	0.5 - 1.0	21734-014	nd	41.08	0.31	20.05	4.51	bdl	6.59	0.35	0.00	20.62	5.29	0.00	bdl	98.83	0.81	G11
Horn Plateau	085L_2005_1004	0.5 - 1.0	21734-015	nd	40.91	0.02	18.35	7.26	0.03	6.97	0.28	0.04	21.06	4.26	bdl	0.03	99.21	0.84	G10D
Horn Plateau	085L_2005_1004	0.5 - 1.0	21734-016	nd	41.70	0.25	20.20	4.72	0.06	6.19	0.41	bdl	21.21	5.20	0.01	0.01	99.97	0.73	G9
Horn Plateau	085L_2005_1006	0.5 - 1.0	21734-017	nd	42.10	0.33	22.64	1.79	0.03	7.40	0.31	0.05	21.10	4.50	0.06	bdl	100.32	0.81	G11
Horn Plateau	085L_2005_1007	0.5 - 1.0	21734-018	nd	40.75	0.05	18.85	6.50	bdl	7.80	0.46	bdl	18.36	6.32	0.01	0.03	99.15	0.82	G9
Horn Plateau	085L_2005_1010	0.5 - 1.0	21734-019	nd	41.47	0.25	20.37	4.32	0.02	7.25	0.36	0.09	20.43	4.85	0.05	bdl	99.46	0.82	G9
Horn Plateau	085L_2005_1016	0.5 - 1.0	21734-021	nd	40.85	0.61	17.35	7.60	0.14	7.89	0.45	0.02	17.76	8.06	0.04	bdl	100.76	0.82	G11
Horn Plateau	085L_2005_1018	0.5 - 1.0	21734-022	nd	40.30	0.14	17.41	8.56	0.05	7.24	0.46	0.01	18.87	6.50	0.03	0.02	99.58	0.85	G9
Horn Plateau	085L_2005_1019	0.5 - 1.0	21734-023	nd	40.56	0.70	15.55	9.42	0.02	6.77	0.38	0.08	18.74	6.94	0.04	bdl	99.21	0.83	G11
Horn Plateau	085L_2005_1027	0.5 - 1.0	21734-024	nd	41.66	0.07	20.70	4.22	0.06	6.58	0.37	0.01	21.54	4.57	0.04	0.01	99.84	0.84	G9
Horn Plateau	085L_2005_1027	0.5 - 1.0	21734-025	nd	40.74	0.73	16.00	9.47	0.00	6.83	0.39	0.03	19.39	6.35	0.09	0.01	100.03	0.85	G11
Horn Plateau	085L_2005_1034	0.5 - 1.0	21734-026	nd	41.72	0.47	19.57	5.46	0.07	6.70	0.36	0.05	20.61	5.26	0.04	bdl	100.32	0.81	G11
Horn Plateau	085L_2005_1035	0.5 - 1.0	21734-027	nd	40.73	0.27	19.14	5.87	0.07	7.29	0.42	0.02	20.03	5.34	0.10	0.03	99.31	0.79	G9
Horn Plateau	085L_2005_1035	0.5 - 1.0	21734-028	nd	40.74	0.20	18.09	7.66	bdl	7.14	0.39	bdl	19.79	5.54	0.03	bdl	99.60	0.85	G9
Horn Plateau	085L_2005_1039	0.5 - 1.0	21734-030	nd	41.47	0.22	20.76	3.88	0.10	6.79	0.36	0.07	20.76	5.35	0.02	bdl	99.79	0.82	G9
Horn Plateau	085L_2005_1040	0.5 - 1.0	21734-031	nd	40.51	0.49	17.87	6.51	0.08	7.14	0.31	0.04	19.64	6.05	0.02	0.01	98.68	0.84	G11
Horn Plateau	085L_2005_1049	0.5 - 1.0	21734-032	nd	41.08	0.18	20.23	4.94	bdl	6.54	0.42	0.01	20.42	5.20	0.03	0.01	99.08	0.82	G9
Horn Plateau	085L_2005_1053	0.5 - 1.0	21734-033	nd	40.51	bdl	18.97	6.85	0.11	7.83	0.55	0.06	19.70	5.41	0.06	bdl	100.09	0.84	G9
Horn Plateau	085L_2005_1067	0.5 - 1.0	21734-034	nd	40.76	0.43	18.40	6.92	0.06	6.14	0.30	bdl	20.56	5.60	0.02	bdl	99.21	0.83	G11
Horn Plateau	085L_2005_1069	0.5 - 1.0	21734-036	nd	40.52	0.10	17.31	8.58	0.09	6.95	0.41	bdl	20.77	4.71	0.02	bdl	99.48	0.82	G10
Horn Plateau	085L_2005_1071	0.5 - 1.0	21734-037	nd	41.17	0.49	18.53	6.36	0.04	7.29	0.60	0.02	19.79	5.50	0.05	0.02	99.84	0.84	G11
Horn Plateau	085L_2005_1072	0.5 - 1.0	21734-038	nd	41.26	0.14	21.23	3.60	bdl	8.14	0.41	bdl	20.20	4.54	0.04	bdl	99.58	0.85	G9
Horn Plateau	085L_2005_1074	0.5 - 1.0	21734-039	nd	40.60	0.11	17.66	8.32	0.10	6.41	0.39	0.01	19.56	6.20	0.04	bdl	99.42	0.82	G9
Horn Plateau	085L_2005_1074	0.5 - 1.0	21734-040	nd	40.91	bdl	20.31	4.93	bdl	7.03	0.49	0.02	20.37	4.67	0.07	0.03	98.86	0.83	G9
Horn Plateau	085L_2005_1074	0.5 - 1.0	21734-041	nd	41.70	0.09	19.96	5.60	0.12	6.19	0.29	bdl	22.12	3.95	bdl	bdl	100.05	0.70	G10D
Horn Plateau	085L_2005_1080	0.5 - 1.0	21734-042	nd	40.08	0.07	17.07	8.30	0.02	8.32	0.57	bdl	17.22	7.93	0.02	bdl	99.61	0.83	G12
Horn Plateau	085L_2005_1080	0.5 - 1.0	21734-043	nd	40.86	0.02	17.10	9.26	0.11	6.94	0.50	bdl	20.62	4.15	bdl	0.03	99.62	0.86	G11
Horn Plateau	085L_2005_1084	0.5 - 1.0	21734-044	nd	40.24	0.06	16.20	8.90	0.11	6.83	0.30	0.06	19.02	6.77	bdl	bdl	98.51	0.84	G9
Horn Plateau	085L_2005_1084	0.5 - 1.0	21734-045	nd	41.24	0.10	20.52	4.12	0.03	7.95	0.50	0.01	20.56	4.52	0.02	bdl	99.59	0.84	G9
Horn Plateau	085L_2005_1084	0.5 - 1.0	21734-046	nd	39.64	0.94	15.23	9.52	bdl	7.41	0.40	0.04	18.43	6.81	0.04	bdl	98.47	0.83	G11
Horn Plateau	085L_2005_1090	0.5 - 1.0	21734-047	nd	41.09	0.10	20.98	4.33	0.09	8.23	0.48	0.00	19.66	5.29	0.04	bdl	100.31	0.84	G9
Horn Plateau	085L_2005_1090	0.5 - 1.0	21734-048	nd	41.24	0.53	19.02	6.17	0.05	6.68	0.40	0.07	20.19	5.72	0.13	bdl	100.20	0.87	G11
Horn Plateau	085L_2005_1093	0.5 - 1.0	21734-050	nd	40.31	0.01	17.89	7.95	0.03	7.65	0.43	0.03	17.41	7.86	bdl	bdl	99.59	0.84	G11
Horn Plateau	085L_2005_1093	0.5 - 1.0	21734-051	nd	41.87	0.22	22.01	2.39	0.04	7.04	0.39	bdl	21.30	4.44	0.09	0.01	99.79	0.83	G9
Horn Plateau	085L_2005_1094	0.5 - 1.0	21734-052	nd	41.06	0.14	19.99	4.29	bdl	8.04	0.36	0.01	20.44	4.62	0.05	bdl	99.02	0.83	G9
Horn Plateau	085L_2005_1096	0.5 - 1.0	21734-053	nd	40.39	0.06	20.32	4.39	0.01	8.31	0.42	0.07	19.17	5.62	0.00	0.03	98.79	0.83	G9
Horn Plateau	085L_2005_1096	0.5 - 1.0	21734-054	nd	41.25	0.26	20.02	4.46	0.04	7.34	0.34	bdl	20.45	4.70	0.04	bdl	98.92	0.79	G9
Horn Plateau	085L_2005_1096	0.5 - 1.0	21734-055	nd	40.33	0.49	16.30	9.52	0.09	7.00	0.47	bdl	18.81	6.54	0.06	0.00	99.61	0.79	G11
Horn Plateau	085L_2005_1097	0.5 - 1.0	21734-056	nd	40.51	0.08	18.88	6.33	0.09	7.18	0.38	0.09	19.48	6.44	0.00	bdl	99.45	0.84	G9
Horn Plateau	085L_2005_1097	0.5 - 1.0	21734-057	nd	40.79	bdl	20.02	5.60	0.07	7.87	0.60	bdl	21.89	1.78	bdl	0.00	98.65	0.80	G10
Horn Plateau	085L_2005_1097	0.5 - 1.0	21734-058	nd	41.15	0.47	20.00	4.11	0.01	7.33	0.35	bdl	20.85	5.16	0.03	bdl	99.49	0.81	G11
Horn Plateau	085L_2005_1102	0.5 - 1.0	21734-059	nd	41.03	0.22	20.39	4.55	0.11	7.58	0.35	0.01	20.58	4.85	0.08	bdl	99.77	0.83	G11
Horn Plateau	085L_2005_1103	0.5 - 1.0	21734-060	nd	40.40	bdl	17.48	8.71	0.08	7.73	0.42	0.03	17.81	7.70	0.02	0.02	100.41	0.85	G11

Horn Plateau	085E_2005_1002	0.25 - 0.5	21735-001	nd	41.85	0.03	21.44	3.70	bdl	8.58	0.43	0.13	18.93	5.37	bdl	bdl	100.49	0.79	G9
Horn Plateau	085E_2005_1002	0.25 - 0.5	21735-002	nd	40.58	0.35	14.29	12.67	0.06	6.82	0.36	0.02	18.47	7.26	0.06	0.03	100.98	0.83	G9
Horn Plateau	085E_2005_1002	0.25 - 0.5	21735-003	nd	40.98	0.26	16.96	9.27	0.06	7.26	0.46	bdl	19.20	5.38	0.07	0.01	99.92	0.80	G10
Horn Plateau	085E_2005_1002	0.25 - 0.5	21735-005	nd	40.77	0.28	16.76	9.36	0.15	6.65	0.41	0.03	19.71	5.39	bdl	0.00	99.52	0.79	G10
Horn Plateau	085E_2005_1004	0.25 - 0.5	21735-007	nd	41.37	0.08	19.39	6.51	0.03	7.62	0.43	0.05	17.61	7.26	bdl	0.03	100.40	0.83	G12
Horn Plateau	085E_2005_1007	0.25 - 0.5	21735-008	nd	41.58	0.82	17.00	7.01	0.04	7.30	0.37	0.03	19.69	6.27	0.06	bdl	100.19	0.84	G11
Horn Plateau	085E_2005_1007	0.25 - 0.5	21735-009	nd	41.48	0.31	18.70	6.53	0.02	7.27	0.35	bdl	20.02	5.52	0.05	bdl	100.27	0.80	G9
Horn Plateau	085E_2005_1008	0.25 - 0.5	21735-010	nd	41.63	0.00	19.37	6.81	0.05	6.69	0.43	0.05	20.36	4.84	bdl	bdl	100.26	0.82	G10
Horn Plateau	085E_2005_1008	0.25 - 0.5	21735-011	nd	41.43	0.29	17.07	8.77	0.06	6.92	0.33	0.00	19.20	6.13	0.04	bdl	100.26	0.81	G9
Horn Plateau	085E_2005_1008	0.25 - 0.5	21735-012	nd	41.94	0.29	20.37	4.44	0.09	7.58	0.35	bdl	20.17	5.48	0.04	0.04	100.78	0.80	G9
Horn Plateau	085E_2005_1008	0.25 - 0.5	21735-015	nd	41.75	0.23	20.35	4.58	0.10	6.36	0.30	bdl	20.70	5.16	0.01	0.03	99.59	0.81	G9
Horn Plateau	085E_2005_2122	0.25 - 0.5	21735-016	nd	41.37	0.33	17.57	8.37	0.09	6.02	0.42	0.01	20.17	5.60	0.01	bdl	99.98	0.84	G9
Horn Plateau	085E_2005_2123	0.25 - 0.5	21735-017	nd	41.13	0.25	18.30	7.30	0.05	6.85	0.38	0.05	19.54	5.92	0.03	bdl	99.82	0.83	G9
Horn Plateau	085E_2005_2123	0.25 - 0.5	21735-018	nd	41.32	0.01	16.64	10.38	0.08	6.61	0.49	0.00	20.25	4.61	0.01	bdl	100.40	0.84	G10D
Horn Plateau	085E_2005_2123	0.25 - 0.5	21735-019	nd	41.78	0.56	18.43	6.80	bdl	7.00	0.34	bdl	19.52	5.79	0.06	0.01	100.31	0.85	G11
Horn Plateau	085E_2005_2123	0.25 - 0.5	21735-021	nd	42.08	bdl	21.67	4.11	0.06	7.27	0.41	0.05	21.09	3.46	0.05	0.01	100.26	0.84	G10
Horn Plateau	085E_2005_2123	0.25 - 0.5	21735-022	nd	41.63	0.53	19.09	5.69	bdl	7.49	0.19	bdl	19.84	5.58	0.05	bdl	100.13	0.79	G11
Horn Plateau	085E_2005_2123	0.25 - 0.5	21735-023	nd	42.46	0.02	18.87	8.51	bdl	6.86	0.40	0.01	23.20	1.00	bdl	bdl	101.35	0.83	G10D
Horn Plateau	085E_2005_2124	0.25 - 0.5	21735-024	nd	41.47	0.15	20.64	4.47	0.12	7.84	0.55	0.01	19.82	4.74	0.04	bdl	99.85	0.81	G9
Horn Plateau	085E_2005_2124	0.25 - 0.5	21735-025	nd	42.09	0.07	21.78	3.44	0.06	8.25	0.48	bdl	19.92	4.83	bdl	0.03	100.99	0.83	G11
Horn Plateau	085E_2005_2183	0.25 - 0.5	21735-026	nd	41.42	0.35	19.88	5.65	0.04	6.70	0.30	0.02	20.40	5.23	0.06	0.01	100.08	0.84	G9
Horn Plateau	085E_2005_2183	0.25 - 0.5	21735-027	nd	41.50	0.36	19.36	5.56	bdl	6.57	0.30	0.06	20.03	5.70	0.04	0.04	99.54	0.84	G11
Horn Plateau	085E_2005_2183	0.25 - 0.5	21735-028	nd	41.55	0.25	17.53	8.36	0.09	6.82	0.40	0.06	19.63	6.03	0.02	bdl	100.78	0.81	G11
Horn Plateau	085E_2005_2185	0.25 - 0.5	21735-029	nd	41.11	bdl	19.16	6.68	0.14	7.84	0.40	bdl	18.12	6.89	0.01	bdl	100.38	0.81	G9
Horn Plateau	085E_2005_2185	0.25 - 0.5	21735-030	nd	42.10	0.36	21.82	3.07	0.04	7.44	0.37	bdl	20.51	4.64	0.07	0.01	100.45	0.80	G9
Horn Plateau	085E_2005_2185	0.25 - 0.5	21735-031	nd	41.01	0.52	18.69	6.68	0.02	7.25	0.47	bdl	19.33	5.77	0.05	bdl	99.80	0.84	G11
Horn Plateau	085E_2005_2185	0.25 - 0.5	21735-032	nd	41.68	0.81	19.39	4.28	0.03	7.69	0.38	bdl	20.26	5.55	0.12	bdl	100.22	0.80	G11
Horn Plateau	085E_2005_2185	0.25 - 0.5	21735-033	nd	41.58	0.08	22.47	2.53	0.04	9.23	0.50	0.02	19.34	4.89	0.01	0.04	100.73	0.84	G9
Horn Plateau	085E_2005_2185	0.25 - 0.5	21735-034	nd	40.56	0.04	17.30	7.90	0.01	8.05	0.57	bdl	17.28	7.00	0.02	0.03	98.77	0.85	G11
Horn Plateau	085E_2005_2190	0.25 - 0.5	21735-035	nd	41.40	0.07	20.70	4.90	0.11	7.60	0.45	0.01	19.44	5.72	0.03	0.00	100.41	0.84	G9
Horn Plateau	085E_2005_2190	0.25 - 0.5	21735-038	nd	41.84	0.38	22.36	1.88	0.09	7.93	0.40	0.03	20.68	4.39	0.11	bdl	100.10	0.85	G9
Horn Plateau	085E_2005_2190	0.25 - 0.5	21735-039	nd	41.50	0.12	20.30	5.40	0.06	8.57	0.42	bdl	18.44	6.18	0.05	bdl	101.06	0.79	G9
Horn Plateau	085E_2005_2190	0.25 - 0.5	21735-040	nd	41.87	0.34	20.01	5.20	0.08	7.08	0.43	bdl	19.82	5.36	0.09	bdl	100.30	0.84	G9
Horn Plateau	085E_2005_2190	0.25 - 0.5	21735-042	nd	42.22	0.39	20.97	4.18	0.13	6.57	0.32	bdl	21.42	4.73	0.04	0.03	101.00	0.82	G11
Horn Plateau	085E_2005_2190	0.25 - 0.5	21735-043	nd	41.44	0.14	19.27	6.53	0.09	7.25	0.40	bdl	19.98	4.93	0.02	0.01	100.06	0.83	G10
Horn Plateau	085E_2005_2190	0.25 - 0.5	21735-044	nd	40.44	0.04	18.39	7.67	0.03	7.77	0.46	0.07	17.57	7.19	0.01	bdl	99.62	0.84	G9
Horn Plateau	085E_2005_2190	0.25 - 0.5	21735-045	nd	41.91	0.06	19.21	7.23	0.18	7.57	0.37	bdl	17.49	7.53	bdl	bdl	101.57	0.84	G11
Horn Plateau	085E_2005_2190	0.25 - 0.5	21735-047	nd	40.83	0.01	18.40	7.26	0.11	7.47	0.50	bdl	18.10	6.63	0.03	bdl	99.36	0.80	G9
Horn Plateau	085E_2005_2192	0.25 - 0.5	21735-048	nd	41.93	0.27	18.23	7.42	0.05	6.82	0.38	bdl	19.73	5.87	0.02	0.01	100.75	0.84	G9
Horn Plateau	085E_2005_2192	0.25 - 0.5	21735-050	nd	41.04	0.03	19.90	5.52	0.02	8.41	0.50	0.02	18.43	6.41	bdl	bdl	100.29	0.84	G9
Horn Plateau	085E_2005_2192	0.25 - 0.5	21735-051	nd	40.94	0.02	18.42	8.04	0.09	8.42	0.59	bdl	16.83	7.68	0.03	bdl	101.08	0.86	G12
Horn Plateau	085E_2005_2192	0.25 - 0.5	21735-052	nd	40.44	0.12	17.04	8.58	bdl	7.57	0.42	0.05	18.25	7.10	bdl	0.01	99.60	0.83	G11
Horn Plateau	085F_2005_1002	0.25 - 0.5	21735-053	nd	40.66	0.06	17.39	8.49	0.02	7.78	0.59	0.01	16.97	8.12	0.05	bdl	100.14	0.83	G12
Horn Plateau	085F_2005_2146	0.25 - 0.5	21735-054	nd	40.25	0.04	18.49	7.51	0.06	8.52	0.55	0.07	16.85	7.67	0.08	bdl	100.12	0.83	G12
Horn Plateau	085F_2005_2148	0.25 - 0.5	21735-055	nd	41.40	0.08	20.84	4.63	0.06	7.88	0.44	0.02	18.90	5.61	0.04	0.03	99.92	0.80	G9

Horn Plateau	085F_2005_2148	0.25 - 0.5	21735-056	nd	41.27	0.25	18.52	7.13	0.09	7.21	0.33	0.02	19.80	5.38	0.07	bdl	100.08	0.82	G9
Horn Plateau	085F_2005_2148	0.25 - 0.5	21735-057	nd	40.90	0.05	18.71	7.26	0.14	7.95	0.56	0.04	18.61	6.01	0.08	0.03	100.34	0.81	G9
Horn Plateau	085L_2005_1002	0.25 - 0.5	21735-058	nd	41.76	0.03	20.80	4.58	0.02	8.44	0.48	bdl	19.12	5.65	0.06	bdl	100.95	0.82	G11
Horn Plateau	085L_2005_1002	0.25 - 0.5	21735-060	nd	41.31	0.23	17.48	9.21	0.02	6.77	0.32	0.04	19.58	5.67	0.05	bdl	100.69	0.84	G11
Horn Plateau	085L_2005_1002	0.25 - 0.5	21735-062	nd	40.70	0.45	16.92	9.14	bdl	7.33	0.34	0.04	18.38	7.03	0.05	0.03	100.40	0.15	G11
Horn Plateau	085L_2005_1002	0.25 - 0.5	21735-063	nd	40.77	bdl	18.10	8.40	0.10	7.87	0.46	0.07	16.82	8.08	bdl	bdl	100.71	0.85	G12
Horn Plateau	085L_2005_1004	0.25 - 0.5	21735-064	nd	41.63	0.28	18.79	6.58	0.11	6.98	0.37	0.01	19.63	5.69	0.00	0.00	100.07	0.82	G9
Horn Plateau	085L_2005_1004	0.25 - 0.5	21735-065	nd	41.88	0.24	20.94	4.09	0.18	7.22	0.32	bdl	20.55	5.07	0.05	0.01	100.56	0.83	G9
Horn Plateau	085L_2005_1004	0.25 - 0.5	21735-066	nd	41.09	1.04	16.91	7.05	0.08	7.89	0.28	0.01	18.93	6.15	0.07	bdl	99.50	0.84	G11
Horn Plateau	085L_2005_1004	0.25 - 0.5	21735-069	nd	41.71	bdl	19.42	6.55	0.08	7.60	0.45	0.11	20.14	4.28	0.02	0.02	100.39	0.77	G10
Horn Plateau	085L_2005_1004	0.25 - 0.5	21735-071	nd	41.81	0.25	19.80	5.89	0.04	7.13	0.38	bdl	19.93	5.28	0.09	0.02	100.63	0.74	G9
Horn Plateau	085L_2005_1004	0.25 - 0.5	21735-073	nd	41.58	0.24	17.71	8.19	0.11	6.52	0.35	0.02	19.64	6.39	0.02	bdl	100.77	0.09	G9
Horn Plateau	085L_2005_1004	0.25 - 0.5	21735-074	nd	41.86	0.21	20.87	4.75	0.07	8.13	0.38	bdl	20.11	4.75	bdl	bdl	101.16	0.02	G9
Horn Plateau	085L_2005_1005	0.25 - 0.5	21735-075	nd	42.00	0.24	21.49	3.34	0.01	7.71	0.42	bdl	20.60	4.34	0.05	bdl	100.21	0.25	G9
Horn Plateau	085L_2005_1005	0.25 - 0.5	21735-076	nd	41.61	0.01	21.07	4.36	0.04	8.32	0.60	0.01	18.54	5.87	0.04	bdl	100.48	0.83	G9
Horn Plateau	085L_2005_1005	0.25 - 0.5	21735-077	nd	41.49	0.12	20.38	5.03	bdl	7.00	0.41	bdl	20.34	5.14	0.03	0.04	99.98	0.84	G11
Horn Plateau	085L_2005_1006	0.25 - 0.5	21735-078	nd	41.16	0.75	16.39	9.70	0.04	7.25	0.34	0.05	19.19	6.21	0.07	bdl	101.16	0.84	G11
Horn Plateau	085L_2005_1006	0.25 - 0.5	21735-080	nd	41.33	0.05	18.84	7.71	0.05	7.56	0.62	0.04	19.68	4.39	0.03	0.01	100.31	0.83	G10
Horn Plateau	085L_2005_1006	0.25 - 0.5	21735-081	nd	41.98	0.05	19.06	7.35	bdl	6.57	0.37	bdl	19.77	5.63	0.01	bdl	100.82	0.80	G9
Horn Plateau	085L_2005_1006	0.25 - 0.5	21735-082	nd	42.02	0.27	21.13	3.75	0.08	7.05	0.29	0.06	20.70	5.01	0.02	0.01	100.39	0.85	G9
Horn Plateau	085L_2005_1007	0.25 - 0.5	21735-084	nd	41.32	0.47	17.86	7.88	0.06	6.88	0.41	0.03	19.70	6.19	0.06	bdl	100.86	0.81	G11
Horn Plateau	085L_2005_1007	0.25 - 0.5	21735-085	nd	42.62	0.02	21.09	4.60	0.01	6.53	0.25	0.01	22.32	2.83	0.01	0.04	100.33	0.83	G10D
Horn Plateau	085L_2005_1007	0.25 - 0.5	21735-086	nd	41.38	0.03	19.91	5.83	0.11	8.01	0.49	bdl	18.23	6.80	0.04	0.01	100.86	0.85	G9
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-087	nd	41.01	0.19	16.79	9.75	0.10	6.77	0.43	0.02	19.44	6.27	bdl	0.04	100.81	0.81	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-088	nd	42.41	0.38	21.16	4.05	0.00	7.51	0.35	0.06	20.45	4.84	0.05	bdl	101.27	0.84	G9
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-089	nd	41.64	0.21	19.90	5.42	0.07	7.17	0.37	0.04	20.12	5.27	0.05	0.03	100.29	0.83	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-090	nd	41.94	0.44	18.42	7.20	0.16	6.20	0.36	0.05	20.65	5.44	0.04	0.00	100.89	0.82	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-092	nd	41.59	0.54	18.43	6.92	0.08	6.95	0.44	bdl	19.71	5.87	0.04	bdl	100.60	0.82	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-093	nd	40.99	0.71	16.59	7.87	0.12	7.64	0.44	bdl	19.60	5.86	0.04	bdl	99.87	0.83	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-094	nd	40.94	0.05	17.43	9.21	bdl	6.61	0.35	bdl	20.17	4.85	0.01	bdl	99.66	0.83	G10D
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-095	nd	41.01	0.28	17.45	7.66	0.17	7.29	0.36	bdl	18.88	6.72	bdl	bdl	99.86	0.83	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-096	nd	41.10	0.27	16.85	9.46	0.01	6.79	0.39	0.07	19.25	6.44	0.04	bdl	100.67	0.84	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-097	nd	41.01	0.22	18.23	7.92	0.10	6.95	0.35	bdl	19.36	6.32	0.04	bdl	100.53	0.83	G9
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-098	nd	40.55	0.70	16.43	8.92	0.02	7.07	0.39	0.06	18.45	6.79	0.04	bdl	99.42	0.82	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-099	nd	41.23	0.33	19.32	6.61	0.11	7.31	0.35	0.01	19.52	5.54	0.03	bdl	100.36	0.84	G9
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-100	nd	41.34	0.46	17.62	7.83	0.09	6.57	0.39	0.03	19.48	6.20	0.05	0.00	100.06	0.82	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-101	nd	41.10	0.20	18.71	7.00	0.13	6.72	0.43	bdl	19.96	5.86	0.02	0.03	100.18	0.84	G9
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-102	nd	44.39	0.10	23.69	3.08	0.05	8.68	0.44	0.02	20.49	4.98	0.03	bdl	105.98	0.78	G9
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-103	nd	41.48	0.04	21.43	3.94	0.07	8.59	0.46	bdl	19.07	5.54	bdl	0.04	100.68	0.86	G9
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-105	nd	42.07	0.14	19.59	5.79	0.08	6.67	0.35	bdl	20.73	4.73	0.01	0.00	100.20	0.84	G10D
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-106	nd	41.48	0.23	19.68	6.56	bdl	6.88	0.35	bdl	20.21	5.42	0.05	0.03	100.92	0.84	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-107	nd	40.70	0.15	16.34	9.98	0.14	7.94	0.59	bdl	16.25	8.61	0.02	0.00	100.73	0.83	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-108	nd	40.97	0.29	18.55	7.27	0.05	6.83	0.38	bdl	19.45	5.95	0.01	bdl	99.77	0.82	G9
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-109	nd	41.81	0.46	20.02	5.23	0.06	7.71	0.40	0.03	19.90	5.31	0.09	0.02	101.03	0.82	G11
Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-110	nd	41.71	0.34	21.98	2.86	0.08	7.44	0.28	0.03	20.58	4.58	0.01	bdl	99.91	0.85	G9

Horn Plateau	085L_2005_1010	0.25 - 0.5	21735-111	nd	41.31	0.62	18.78	6.22	0.03	7.59	0.38	0.09	19.87	5.78	0.05	0.01	100.74	0.81	G11
Horn Plateau	085L_2005_1011	0.25 - 0.5	21735-112	nd	41.34	0.39	17.28	8.25	0.09	7.02	0.33	bdl	19.29	6.02	0.04	0.05	100.11	0.84	G11
Horn Plateau	085L_2005_1011	0.25 - 0.5	21735-113	nd	41.53	0.38	20.46	4.35	0.07	6.93	0.38	bdl	20.55	5.06	0.04	bdl	99.77	0.83	G11
Horn Plateau	085L_2005_1011	0.25 - 0.5	21735-114	nd	42.27	bdl	21.42	4.28	bdl	7.51	0.36	0.04	21.31	3.27	0.02	bdl	100.51	0.83	G10D
Horn Plateau	085L_2005_1011	0.25 - 0.5	21735-115	nd	40.74	0.39	20.70	3.72	bdl	8.57	0.47	0.01	18.62	5.63	0.04	bdl	98.91	0.85	G11
Horn Plateau	085L_2005_1011	0.25 - 0.5	21735-116	nd	41.58	0.31	18.46	6.97	0.10	6.84	0.32	0.07	19.78	5.78	0.05	0.02	100.27	0.77	G9
Horn Plateau	085L_2005_1011	0.25 - 0.5	21735-118	nd	40.75	0.01	18.61	7.36	0.06	7.87	0.42	0.04	17.04	7.40	0.02	0.02	99.59	0.84	G12
Horn Plateau	085L_2005_1011	0.25 - 0.5	21735-119	nd	40.86	0.52	17.65	8.46	0.04	7.80	0.51	0.03	18.99	5.61	0.07	bdl	100.55	0.82	G11
Horn Plateau	085L_2005_1014	0.25 - 0.5	21735-120	nd	40.92	0.02	17.86	8.47	0.08	7.53	0.54	bdl	17.22	8.15	0.04	bdl	100.85	0.81	G12
Horn Plateau	085L_2005_1014	0.25 - 0.5	21735-121	nd	41.66	0.44	18.87	6.42	0.04	7.33	0.26	bdl	20.57	4.74	0.06	bdl	100.40	0.83	G11
Horn Plateau	085L_2005_1014	0.25 - 0.5	21735-122	nd	41.83	0.27	21.07	4.11	0.01	7.06	0.27	bdl	20.63	4.68	0.04	0.00	99.98	0.84	G11
Horn Plateau	085L_2005_1014	0.25 - 0.5	21735-123	nd	40.81	bdl	18.58	7.53	0.04	7.79	0.63	0.04	17.41	6.71	0.08	0.01	99.65	0.81	G9
Horn Plateau	085L_2005_1014	0.25 - 0.5	21735-124	nd	40.55	0.03	18.86	7.37	0.04	8.60	0.57	bdl	16.71	7.53	bdl	0.02	100.29	0.81	G12
Horn Plateau	085L_2005_1016	0.25 - 0.5	21735-125	nd	41.12	0.04	17.45	8.36	0.13	6.70	0.42	0.11	18.91	6.42	0.01	bdl	99.67	0.84	G11
Horn Plateau	085L_2005_1016	0.25 - 0.5	21735-126	nd	40.85	bdl	20.96	5.03	0.06	7.88	0.60	0.02	18.75	5.92	bdl	0.01	100.09	0.82	G9
Horn Plateau	085L_2005_1017	0.25 - 0.5	21735-127	nd	41.33	0.69	18.76	6.28	0.04	7.67	0.40	0.01	19.00	6.53	0.09	bdl	100.82	0.85	G11
Horn Plateau	085L_2005_1017	0.25 - 0.5	21735-128	nd	41.33	0.38	19.23	6.26	0.06	7.91	0.51	bdl	18.72	6.36	0.09	0.01	100.87	0.84	G9
Horn Plateau	085L_2005_1017	0.25 - 0.5	21735-129	nd	41.78	0.02	19.11	7.13	0.06	7.63	0.46	0.01	18.34	6.61	bdl	0.05	101.22	0.82	G9
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-130	nd	41.25	0.07	17.91	8.55	0.03	7.10	0.31	0.05	18.77	6.42	bdl	0.03	100.49	0.84	G9
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-131	nd	41.50	0.30	18.43	7.54	bdl	6.23	0.28	bdl	20.05	5.78	0.07	0.05	100.25	0.83	G11
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-132	nd	40.88	0.04	15.51	10.97	0.09	6.61	0.34	bdl	19.00	6.62	bdl	0.03	100.10	0.82	G9
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-133	nd	41.14	0.33	18.88	6.37	0.04	6.73	0.37	bdl	19.82	5.62	0.01	bdl	99.33	0.84	G9
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-134	nd	41.06	bdl	18.47	7.58	0.02	7.75	0.42	bdl	17.27	7.57	bdl	0.02	100.19	0.81	G12
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-135	nd	41.27	0.03	18.70	7.95	0.03	7.71	0.45	bdl	17.61	7.16	0.01	0.02	100.94	0.82	G9
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-136	nd	41.91	0.06	19.37	6.29	0.11	6.81	0.38	0.01	19.99	5.98	bdl	bdl	100.94	0.81	G9
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-137	nd	41.00	0.04	19.11	6.96	0.10	7.72	0.38	bdl	17.86	7.35	0.02	bdl	100.55	0.82	G12
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-138	nd	41.44	0.43	19.05	6.95	0.07	7.25	0.33	0.01	19.80	5.56	0.06	bdl	100.96	0.83	G11
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-139	nd	41.65	0.48	18.46	6.36	0.07	7.98	0.43	0.03	19.23	6.46	0.01	0.03	101.20	0.85	G11
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-140	nd	41.60	0.06	19.47	6.32	0.14	6.09	0.34	0.07	20.33	5.63	0.01	bdl	100.07	0.83	G9
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-141	nd	42.09	0.11	21.52	4.04	bdl	8.51	0.55	0.01	20.02	4.51	0.01	0.01	101.41	0.83	G9
Horn Plateau	085L_2005_1018	0.25 - 0.5	21735-142	nd	41.72	0.04	20.00	6.78	0.06	7.52	0.55	0.01	19.23	5.67	bdl	0.03	101.63	0.85	G9
Horn Plateau	085L_2005_1019	0.25 - 0.5	21735-143	nd	41.75	0.25	18.63	7.75	0.09	7.42	0.35	0.05	19.21	6.00	0.04	bdl	101.56	0.84	G9
Horn Plateau	085L_2005_1019	0.25 - 0.5	21735-145	nd	41.01	bdl	15.19	12.20	0.08	6.89	0.48	0.04	19.43	5.24	0.02	bdl	100.58	0.77	G10D
Horn Plateau	085L_2005_1019	0.25 - 0.5	21735-146	nd	40.04	0.30	11.78	15.61	0.05	6.44	0.35	0.05	17.22	8.34	0.05	0.03	100.25	0.80	G9
Horn Plateau	085L_2005_1019	0.25 - 0.5	21735-147	nd	41.27	0.41	20.29	4.48	0.08	7.56	0.36	bdl	18.92	6.51	0.06	bdl	99.96	0.84	G9
Horn Plateau	085L_2005_1019	0.25 - 0.5	21735-148	nd	41.86	0.12	20.83	4.45	bdl	7.55	0.25	0.06	20.26	4.97	0.08	0.02	100.45	0.85	G9
Horn Plateau	085L_2005_1023	0.25 - 0.5	21735-150	nd	41.92	0.03	20.97	5.37	0.07	7.35	0.54	bdl	20.49	4.02	0.01	0.01	100.79	0.82	G10
Horn Plateau	085L_2005_1023	0.25 - 0.5	21735-151	nd	41.42	0.04	19.85	6.13	0.04	7.89	0.58	0.00	19.06	5.35	0.01	bdl	100.38	0.82	G9
Horn Plateau	085L_2005_1027	0.25 - 0.5	21735-152	nd	40.89	0.31	18.73	6.79	0.06	8.14	0.50	0.09	18.22	6.03	0.07	bdl	99.84	0.84	G11
Horn Plateau	085L_2005_1027	0.25 - 0.5	21735-153	nd	41.31	0.32	16.71	9.17	0.08	6.55	0.28	0.03	19.19	6.44	0.06	bdl	100.13	0.85	G11
Horn Plateau	085L_2005_1028	0.25 - 0.5	21735-154	nd	42.20	0.36	19.52	5.57	0.08	6.52	0.32	0.01	20.57	5.31	0.03	bdl	100.49	0.85	G11
Horn Plateau	085L_2005_1028	0.25 - 0.5	21735-155	nd	41.64	0.32	18.43	7.27	0.04	6.77	0.35	0.03	19.91	5.83	0.04	0.03	100.65	0.81	G9
Horn Plateau	085L_2005_1028	0.25 - 0.5	21735-156	nd	41.12	0.10	20.97	4.94	bdl	7.79	0.51	0.02	18.97	5.78	0.04	bdl	100.26	0.83	G9
Horn Plateau	085L_2005_1030	0.25 - 0.5	21735-157	nd	41.70	0.52	18.57	7.09	0.09	6.13	0.42	0.02	20.29	5.52	0.10	bdl	100.48	0.83	G11
Horn Plateau	085L_2005_1030	0.25 - 0.5	21735-158	nd	41.29	0.40	19.62	5.93	0.09	8.54	0.45	0.04	18.75	5.35	0.15	0.02	100.63	0.84	G9

Horn Plateau	085L_2005_1033	0.25 - 0.5	21735-159	nd	42.03	0.44	20.28	4.78	0.15	7.37	0.48	0.05	20.12	5.25	0.03	bdl	100.98	0.83	G11
Horn Plateau	085L_2005_1033	0.25 - 0.5	21735-160	nd	41.97	0.32	19.05	6.58	0.08	6.42	0.31	bdl	20.12	5.83	0.08	bdl	100.79	0.83	G9
Horn Plateau	085L_2005_1033	0.25 - 0.5	21735-161	nd	42.23	0.34	20.82	3.56	bdl	7.05	0.24	0.06	20.51	5.03	0.03	bdl	99.89	0.80	G9
Horn Plateau	085L_2005_1033	0.25 - 0.5	21735-162	nd	41.63	0.04	18.55	7.65	0.02	7.95	0.51	0.09	17.10	7.78	0.04	0.05	101.40	0.83	G12
Horn Plateau	085L_2005_1033	0.25 - 0.5	21735-163	nd	42.16	0.52	18.30	7.25	0.13	6.99	0.42	0.05	19.67	6.23	0.07	0.02	101.82	0.84	G11
Horn Plateau	085L_2005_1033	0.25 - 0.5	21735-164	nd	41.53	0.03	19.60	6.24	0.03	8.27	0.63	0.08	17.80	6.77	0.03	0.03	101.03	0.82	G9
Horn Plateau	085L_2005_1034	0.25 - 0.5	21735-167	nd	42.19	0.35	22.54	2.50	bdl	7.60	0.34	0.02	20.61	4.77	0.02	0.01	100.96	0.85	G11
Horn Plateau	085L_2005_1034	0.25 - 0.5	21735-168	nd	41.09	0.10	18.32	7.98	0.05	7.60	0.44	bdl	18.99	5.74	0.02	0.02	100.36	0.83	G9
Horn Plateau	085L_2005_1034	0.25 - 0.5	21735-169	nd	41.98	0.05	21.90	3.59	bdl	8.56	0.43	bdl	19.23	5.36	0.02	bdl	101.15	0.83	G9
Horn Plateau	085L_2005_1034	0.25 - 0.5	21735-170	nd	41.60	0.38	20.58	4.13	0.00	7.40	0.49	bdl	20.08	4.85	0.09	bdl	99.63	0.75	G9
Horn Plateau	085L_2005_1034	0.25 - 0.5	21735-171	nd	41.72	0.76	19.66	4.08	0.07	8.54	0.35	0.03	19.83	5.59	0.05	0.01	100.70	0.80	G11
Horn Plateau	085L_2005_1034	0.25 - 0.5	21735-172	nd	41.30	0.37	20.39	4.52	0.01	6.87	0.35	bdl	20.59	4.74	0.06	bdl	99.22	0.81	G11
Horn Plateau	085L_2005_1034	0.25 - 0.5	21735-173	nd	41.37	0.20	21.04	3.94	0.02	8.52	0.56	0.05	19.04	5.20	0.05	bdl	100.00	0.83	G11
Horn Plateau	085L_2005_1034	0.25 - 0.5	21735-174	nd	41.46	0.24	19.18	6.29	0.02	7.11	0.40	bdl	19.63	5.75	0.00	bdl	100.10	0.84	G9
Horn Plateau	085L_2005_1034	0.25 - 0.5	21735-177	nd	41.82	0.31	21.09	3.65	0.02	7.37	0.34	0.01	20.23	4.72	0.05	bdl	99.62	0.82	G11
Horn Plateau	085L_2005_1034	0.25 - 0.5	21735-178	nd	40.92	0.05	19.16	6.40	0.10	8.07	0.47	bdl	17.44	6.98	0.03	bdl	99.64	0.83	G9
Horn Plateau	085L_2005_1035	0.25 - 0.5	21735-179	nd	41.42	0.11	18.57	7.82	0.03	6.89	0.33	bdl	19.64	5.88	0.02	bdl	100.74	0.83	G11
Horn Plateau	085L_2005_1035	0.25 - 0.5	21735-180	nd	41.14	0.20	16.31	10.09	0.10	6.58	0.34	0.02	19.45	5.99	bdl	bdl	100.25	0.80	G9
Horn Plateau	085L_2005_1035	0.25 - 0.5	21735-181	nd	41.65	0.01	20.77	4.74	0.06	8.51	0.47	0.02	18.30	5.83	0.03	bdl	100.41	0.84	G11
Horn Plateau	085L_2005_1037	0.25 - 0.5	21735-184	nd	41.80	0.47	18.64	6.25	0.13	6.86	0.31	bdl	19.64	5.95	0.04	0.01	100.10	0.83	G11
Horn Plateau	085L_2005_1037	0.25 - 0.5	21735-185	nd	41.61	0.50	19.08	5.85	0.08	7.85	0.44	0.02	19.14	5.58	0.01	bdl	100.17	0.83	G11
Horn Plateau	085L_2005_1037	0.25 - 0.5	21735-186	nd	41.93	0.40	19.73	5.65	0.07	6.87	0.37	0.06	19.81	5.71	0.03	bdl	100.65	0.84	G11
Horn Plateau	085L_2005_1037	0.25 - 0.5	21735-187	nd	40.94	0.08	17.50	8.62	bdl	7.97	0.49	0.03	17.38	7.23	0.04	0.04	100.32	0.79	G9
Horn Plateau	085L_2005_1037	0.25 - 0.5	21735-189	nd	43.01	bdl	19.97	6.90	0.03	8.02	0.44	0.03	18.54	6.57	0.02	0.01	103.55	0.81	G9
Horn Plateau	085L_2005_1037	0.25 - 0.5	21735-190	nd	41.50	0.09	16.85	9.99	bdl	6.79	0.44	bdl	18.72	7.03	0.02	bdl	101.46	0.81	G9
Horn Plateau	085L_2005_1039	0.25 - 0.5	21735-191	nd	41.42	0.10	19.49	6.45	0.01	6.79	0.25	bdl	20.08	5.56	0.00	bdl	100.17	0.87	G9
Horn Plateau	085L_2005_1039	0.25 - 0.5	21735-192	nd	42.50	0.03	21.81	4.10	0.10	7.55	0.44	bdl	22.05	2.29	bdl	0.01	100.90	0.84	G10
Horn Plateau	085L_2005_1039	0.25 - 0.5	21735-193	nd	41.97	0.39	21.16	3.80	0.09	7.64	0.34	0.01	19.76	5.04	0.02	0.02	100.25	0.82	G9
Horn Plateau	085L_2005_1039	0.25 - 0.5	21735-194	nd	41.43	0.02	19.43	7.01	0.06	7.91	0.47	0.08	17.82	6.86	bdl	0.00	101.12	0.81	G9
Horn Plateau	085L_2005_1039	0.25 - 0.5	21735-195	nd	42.04	0.00	21.77	3.68	0.13	7.68	0.40	0.01	20.07	4.41	0.01	0.00	100.19	0.81	G9
Horn Plateau	085L_2005_1039	0.25 - 0.5	21735-196	nd	41.84	0.07	18.10	8.39	bdl	7.73	0.46	0.03	20.48	4.11	0.00	bdl	101.24	0.84	G10
Horn Plateau	085L_2005_1039	0.25 - 0.5	21735-197	nd	40.91	0.08	16.27	10.35	0.13	6.40	0.38	bdl	19.24	6.28	bdl	0.02	100.09	0.83	G9
Horn Plateau	085L_2005_1040	0.25 - 0.5	21735-199	nd	41.19	0.47	15.68	10.44	0.06	7.42	0.36	0.02	18.47	6.82	0.06	0.01	101.01	0.84	G11
Horn Plateau	085L_2005_1040	0.25 - 0.5	21735-200	nd	41.01	0.11	17.93	7.91	0.11	7.41	0.34	0.03	17.55	7.72	0.02	bdl	100.15	0.84	G12
Horn Plateau	085L_2005_1040	0.25 - 0.5	21735-201	nd	41.90	0.16	20.37	5.34	0.13	7.14	0.45	bdl	20.45	5.10	0.02	bdl	101.10	0.85	G9
Horn Plateau	085L_2005_1042	0.25 - 0.5	21735-202	nd	41.43	0.38	17.89	7.70	0.04	6.93	0.46	bdl	19.39	5.86	0.06	0.02	100.16	0.85	G9
Horn Plateau	085L_2005_1043	0.25 - 0.5	21735-203	nd	41.84	0.16	23.00	2.50	0.08	8.96	0.55	0.07	18.74	5.25	bdl	0.01	101.15	0.83	G9
Horn Plateau	085L_2005_1043	0.25 - 0.5	21735-204	nd	41.31	0.04	19.94	5.59	0.09	8.02	0.44	0.03	18.44	6.06	0.01	0.01	100.00	0.84	G9
Horn Plateau	085L_2005_1046	0.25 - 0.5	21735-205	nd	41.68	0.41	19.68	5.36	0.04	8.50	0.42	0.05	17.15	8.27	0.01	bdl	101.59	0.78	G12
Horn Plateau	085L_2005_1046	0.25 - 0.5	21735-206	nd	41.78	0.10	20.66	4.81	bdl	8.54	0.49	bdl	18.54	6.30	bdl	bdl	101.25	0.83	G9
Horn Plateau	085L_2005_1046	0.25 - 0.5	21735-207	nd	40.93	0.34	18.48	7.14	0.07	7.19	0.36	0.01	19.54	5.62	0.05	bdl	99.74	0.84	G9
Horn Plateau	085L_2005_1046	0.25 - 0.5	21735-208	nd	42.64	0.31	20.11	5.58	0.01	6.91	0.40	0.00	20.30	5.39	0.02	0.03	101.70	0.83	G11
Horn Plateau	085L_2005_1046	0.25 - 0.5	21735-209	nd	41.73	0.47	18.51	7.23	0.05	6.59	0.38	bdl	20.00	5.88	0.08	bdl	100.93	0.82	G11
Horn Plateau	085L_2005_1046	0.25 - 0.5	21735-210	nd	41.60	0.06	16.79	9.74	0.07	7.57	0.38	0.06	18.42	6.63	0.03	0.01	101.35	0.84	G11
Horn Plateau	085L_2005_1047	0.25 - 0.5	21735-211	nd	41.62	0.73	19.28	4.97	bdl	7.29	0.32	bdl	20.37	5.59	0.07	0.00	100.26	0.74	G11

Horn Plateau	085L_2005_1047	0.25 - 0.5	21735-213	nd	42.21	0.55	19.26	5.31	0.09	7.01	0.30	bdl	20.31	5.58	0.07	0.01	100.73	0.86	G11
Horn Plateau	085L_2005_1053	0.25 - 0.5	21735-215	nd	41.21	0.19	16.03	10.24	bdl	6.65	0.43	0.01	19.24	6.24	0.03	0.04	100.32	0.84	G9
Horn Plateau	085L_2005_1053	0.25 - 0.5	21735-216	nd	42.12	0.06	20.22	5.98	0.11	7.07	0.45	bdl	19.66	6.06	0.03	0.01	101.77	0.83	G9
Horn Plateau	085L_2005_1053	0.25 - 0.5	21735-217	nd	41.39	0.04	18.84	7.20	0.02	6.82	0.40	0.06	18.89	6.50	bdl	0.01	100.18	0.85	G9
Horn Plateau	085L_2005_1053	0.25 - 0.5	21735-218	nd	41.68	0.05	19.73	6.25	0.10	8.01	0.40	0.08	19.51	5.01	bdl	bdl	100.84	0.84	G11
Horn Plateau	085L_2005_1053	0.25 - 0.5	21735-219	nd	41.57	0.27	19.76	5.90	0.06	8.87	0.54	bdl	18.81	5.07	0.11	bdl	100.98	0.84	G9
Horn Plateau	085L_2005_1053	0.25 - 0.5	21735-220	nd	40.42	0.04	15.96	10.87	0.15	7.79	0.59	bdl	16.57	8.54	0.02	bdl	100.96	0.79	G12
Horn Plateau	085L_2005_1053	0.25 - 0.5	21735-221	nd	41.63	0.40	19.13	6.72	0.06	6.63	0.42	bdl	20.19	5.64	0.05	0.00	100.88	0.84	G11
Horn Plateau	085L_2005_1053	0.25 - 0.5	21735-222	nd	42.36	0.29	19.66	5.05	0.06	7.59	0.41	bdl	20.17	4.71	0.08	bdl	100.40	0.84	G9
Horn Plateau	085L_2005_1053	0.25 - 0.5	21735-224	nd	41.63	0.04	22.45	2.54	bdl	9.91	0.60	bdl	18.55	5.09	0.00	0.01	100.85	0.83	G11
Horn Plateau	085L_2005_1055	0.25 - 0.5	21735-225	nd	41.62	0.01	20.27	5.36	0.14	8.19	0.38	0.03	18.32	6.20	0.01	0.02	100.56	0.85	G9
Horn Plateau	085L_2005_1055	0.25 - 0.5	21735-226	nd	41.15	0.30	19.19	5.33	bdl	8.04	0.38	0.01	18.52	6.84	0.09	bdl	99.85	0.83	G12
Horn Plateau	085L_2005_1055	0.25 - 0.5	21735-227	nd	41.93	0.10	18.54	7.62	bdl	6.52	0.41	0.02	19.55	6.08	0.00	0.01	100.79	0.76	G9
Horn Plateau	085L_2005_1055	0.25 - 0.5	21735-228	nd	41.52	0.06	19.15	7.55	bdl	8.23	0.45	bdl	18.25	6.16	0.03	bdl	101.42	0.84	G9
Horn Plateau	085L_2005_1055	0.25 - 0.5	21735-229	nd	42.00	0.34	19.48	5.57	0.19	7.08	0.38	bdl	19.73	5.68	0.01	bdl	100.48	0.83	G9
Horn Plateau	085L_2005_1055	0.25 - 0.5	21735-230	nd	41.09	0.04	18.98	6.80	bdl	7.98	0.41	0.04	17.60	7.57	0.02	bdl	100.54	0.82	G12
Horn Plateau	085L_2005_1055	0.25 - 0.5	21735-231	nd	42.07	0.12	22.48	2.75	0.03	7.34	0.35	0.03	20.60	4.67	0.01	0.01	100.45	0.82	G9
Horn Plateau	085L_2005_1059	0.25 - 0.5	21735-232	nd	40.80	0.06	15.84	10.64	0.09	7.48	0.39	bdl	16.43	9.01	bdl	0.02	100.78	0.84	G12
Horn Plateau	085L_2005_1060	0.25 - 0.5	21735-233	nd	41.35	0.31	20.12	4.03	0.06	10.22	0.38	bdl	18.47	5.73	0.09	bdl	100.78	0.80	G9
Horn Plateau	085L_2005_1060	0.25 - 0.5	21735-234	nd	42.34	0.14	19.79	6.46	0.01	6.95	0.27	0.03	20.10	5.59	0.04	bdl	101.73	0.81	G9
Horn Plateau	085L_2005_1062	0.25 - 0.5	21735-235	nd	41.07	0.26	17.02	9.55	bdl	7.68	0.48	0.01	18.78	6.39	0.03	bdl	101.29	0.83	G11
Horn Plateau	085L_2005_1062	0.25 - 0.5	21735-236	nd	41.67	0.18	20.38	5.22	0.04	6.77	0.34	0.06	20.58	5.07	0.01	bdl	100.34	0.83	G9
Horn Plateau	085L_2005_1063	0.25 - 0.5	21735-237	nd	40.86	0.03	19.06	7.11	0.01	10.81	0.52	0.04	16.04	6.93	bdl	bdl	101.45	0.83	G9
Horn Plateau	085L_2005_1063	0.25 - 0.5	21735-238	nd	41.81	0.12	20.51	4.81	0.03	7.99	0.45	bdl	18.60	5.99	0.06	0.00	100.38	0.75	G9
Horn Plateau	085L_2005_1066	0.25 - 0.5	21735-239	nd	41.88	0.36	18.96	6.01	0.07	7.37	0.38	bdl	19.23	6.21	0.04	0.02	100.55	0.84	G9
Horn Plateau	085L_2005_1066	0.25 - 0.5	21735-240	nd	41.56	0.62	19.18	5.60	0.10	7.68	0.34	0.05	19.36	5.81	0.04	bdl	100.37	0.82	G11
Horn Plateau	085L_2005_1066	0.25 - 0.5	21735-241	nd	42.12	0.38	20.03	5.09	0.07	6.54	0.44	bdl	20.07	5.61	0.05	bdl	100.43	0.82	G11
Horn Plateau	085L_2005_1066	0.25 - 0.5	21735-242	nd	41.15	0.74	18.02	6.91	0.07	7.29	0.35	0.07	18.64	6.84	0.09	bdl	100.17	0.80	G11
Horn Plateau	085L_2005_1066	0.25 - 0.5	21735-243	nd	41.81	0.37	19.82	5.81	0.09	6.35	0.30	0.02	20.56	5.49	bdl	0.01	100.63	0.82	G11
Horn Plateau	085L_2005_1066	0.25 - 0.5	21735-244	nd	41.36	0.42	20.11	5.22	0.09	7.16	0.37	bdl	19.97	5.32	0.04	0.00	100.08	0.80	G11
Horn Plateau	085L_2005_1066	0.25 - 0.5	21735-245	nd	41.31	0.07	17.51	9.26	bdl	6.80	0.47	0.03	20.18	4.81	bdl	0.02	100.49	0.81	G11
Horn Plateau	085L_2005_1066	0.25 - 0.5	21735-246	nd	41.88	0.10	19.69	6.70	0.04	6.59	0.40	bdl	20.38	5.52	bdl	0.00	101.33	0.83	G9
Horn Plateau	085L_2005_1066	0.25 - 0.5	21735-247	nd	41.41	0.02	20.72	4.81	bdl	7.86	0.52	0.02	18.71	6.17	0.01	0.04	100.29	0.80	G9
Horn Plateau	085L_2005_1066	0.25 - 0.5	21735-248	nd	42.07	0.05	21.61	4.24	bdl	8.72	0.54	bdl	18.52	5.49	0.02	bdl	101.29	0.78	G9
Horn Plateau	085L_2005_1067	0.25 - 0.5	21735-249	nd	42.53	0.24	22.10	2.57	0.08	6.81	0.36	0.06	21.09	4.64	0.01	0.01	100.48	0.11	G9
Horn Plateau	085L_2005_1067	0.25 - 0.5	21735-250	nd	40.91	0.42	18.01	7.07	0.08	6.80	0.42	0.06	19.44	5.92	0.07	0.01	99.23	0.78	G11
Horn Plateau	085L_2005_1067	0.25 - 0.5	21735-251	nd	41.85	bdl	20.51	5.84	bdl	7.98	0.62	bdl	20.33	3.85	0.04	bdl	101.06	0.85	G11
Horn Plateau	085L_2005_1067	0.25 - 0.5	21735-252	nd	41.48	0.19	18.85	6.96	0.04	6.71	0.34	bdl	20.16	5.56	0.02	bdl	100.31	0.82	G9
Horn Plateau	085L_2005_1067	0.25 - 0.5	21735-253	nd	41.45	0.38	17.76	8.27	0.06	7.17	0.43	0.08	18.83	6.26	0.06	0.01	100.75	0.85	G11
Horn Plateau	085L_2005_1067	0.25 - 0.5	21735-254	nd	41.90	0.33	20.88	4.70	0.08	6.87	0.36	0.02	20.68	5.03	0.07	bdl	100.93	0.84	G9
Horn Plateau	085L_2005_1068	0.25 - 0.5	21735-255	nd	41.82	0.21	18.50	7.58	bdl	7.34	0.37	0.00	19.74	5.82	0.05	0.01	101.45	0.83	G9
Horn Plateau	085L_2005_1068	0.25 - 0.5	21735-257	nd	41.89	bdl	19.80	6.50	0.01	7.47	0.50	0.01	19.44	5.15	0.00	0.02	100.81	0.80	G9
Horn Plateau	085L_2005_1068	0.25 - 0.5	21735-258	nd	41.87	0.38	20.82	4.27	0.11	7.09	0.38	0.00	20.50	5.15	0.07	0.02	100.69	0.83	G11
Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-259	nd	42.00	0.47	18.70	6.46	0.02	6.38	0.27	0.01	20.66	5.63	0.05	0.00	100.66	0.81	G11
Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-260	nd	42.55	0.27	22.11	2.65	0.08	7.90	0.38	0.02	20.20	4.91	0.04	bdl	101.11	0.80	G9

Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-261	nd	41.09	0.08	16.64	9.70	0.07	6.47	0.38	bdl	18.31	7.09	0.05	bdl	99.89	0.85	G9
Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-262	nd	40.70	0.10	18.14	7.23	0.13	11.40	0.61	0.06	15.15	7.65	bdl	bdl	101.18	0.84	G12
Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-263	nd	41.90	0.17	19.91	5.04	bdl	7.13	0.33	0.01	19.99	5.45	0.04	bdl	100.00	0.83	G9
Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-264	nd	41.81	bdl	17.90	8.85	0.08	6.07	0.37	0.01	20.61	5.50	bdl	bdl	101.24	0.83	G10
Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-265	nd	42.28	0.03	17.56	9.24	0.09	6.59	0.30	bdl	19.47	6.86	0.01	bdl	102.45	0.83	G9
Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-266	nd	42.07	0.04	21.70	4.09	0.13	7.18	0.33	0.01	21.42	3.29	0.03	0.03	100.32	0.83	G10D
Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-267	nd	42.56	0.68	19.94	4.52	0.00	7.27	0.38	0.00	20.54	5.48	0.07	0.02	101.47	0.82	G11
Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-269	nd	42.42	0.21	20.59	5.63	0.01	6.08	0.30	bdl	22.46	2.80	0.03	0.02	100.55	0.71	G10D
Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-271	nd	40.91	0.29	17.21	8.76	bdl	6.80	0.33	bdl	19.54	6.26	0.06	bdl	100.19	0.82	G9
Horn Plateau	085L_2005_1069	0.25 - 0.5	21735-272	nd	42.63	0.62	19.81	5.22	0.09	7.54	0.35	0.03	20.16	5.69	0.07	0.01	102.21	0.84	G11
Horn Plateau	085L_2005_1070	0.25 - 0.5	21735-273	nd	41.35	0.64	19.63	4.59	0.06	7.22	0.28	bdl	20.36	5.52	bdl	0.00	99.68	0.85	G11
Horn Plateau	085L_2005_1071	0.25 - 0.5	21735-274	nd	41.46	0.06	20.46	5.14	bdl	7.62	0.47	bdl	20.26	4.88	0.02	bdl	100.39	0.83	G9
Horn Plateau	085L_2005_1072	0.25 - 0.5	21735-275	nd	41.76	0.11	22.13	2.79	bdl	8.83	0.41	0.01	19.16	4.59	0.01	0.02	99.83	0.84	G9
Horn Plateau	085L_2005_1072	0.25 - 0.5	21735-276	nd	41.11	0.02	18.61	7.57	bdl	8.23	0.47	bdl	17.36	7.60	0.01	bdl	101.01	0.81	G12
Horn Plateau	085L_2005_1072	0.25 - 0.5	21735-277	nd	41.76	0.57	17.77	7.80	0.07	6.61	0.38	0.05	19.49	6.16	0.08	bdl	100.76	0.83	G11
Horn Plateau	085L_2005_1072	0.25 - 0.5	21735-278	nd	41.13	bdl	18.87	7.31	0.09	7.90	0.51	0.04	17.26	7.64	bdl	bdl	100.77	0.84	G12
Horn Plateau	085L_2005_1072	0.25 - 0.5	21735-279	nd	42.73	0.06	18.61	8.39	0.12	7.59	0.52	0.06	18.20	7.72	bdl	0.03	104.03	0.84	G12
Horn Plateau	085L_2005_1074	0.25 - 0.5	21735-280	nd	41.32	0.22	20.20	4.28	0.09	7.33	0.19	0.03	19.93	5.39	bdl	bdl	99.00	0.80	G9
Horn Plateau	085L_2005_1074	0.25 - 0.5	21735-281	nd	42.30	0.24	21.45	3.36	0.02	6.78	0.32	bdl	20.92	4.74	0.03	bdl	100.19	0.69	G9
Horn Plateau	085L_2005_1074	0.25 - 0.5	21735-283	nd	41.64	0.34	18.25	7.25	bdl	7.62	0.39	0.04	19.03	6.18	0.01	bdl	100.79	0.84	G9
Horn Plateau	085L_2005_1080	0.25 - 0.5	21735-284	nd	40.78	0.01	15.23	11.40	0.17	7.56	0.34	bdl	16.39	8.58	0.02	bdl	100.50	0.79	G12
Horn Plateau	085L_2005_1080	0.25 - 0.5	21735-285	nd	42.14	0.57	20.28	4.60	0.09	7.03	0.32	0.03	19.34	6.31	0.05	0.01	100.77	0.83	G11
Horn Plateau	085L_2005_1080	0.25 - 0.5	21735-286	nd	41.30	bdl	18.54	7.69	bdl	7.96	0.58	bdl	18.22	6.34	bdl	0.01	100.67	0.84	G11
Horn Plateau	085L_2005_1080	0.25 - 0.5	21735-287	nd	42.18	0.06	21.14	4.48	0.10	8.63	0.55	0.10	18.55	5.52	bdl	bdl	101.33	0.80	G9
Horn Plateau	085L_2005_1082	0.25 - 0.5	21735-291	nd	41.88	0.06	20.79	4.85	0.06	8.59	0.37	0.07	19.15	5.48	0.02	0.01	101.33	0.82	G9
Horn Plateau	085L_2005_1082	0.25 - 0.5	21735-292	nd	41.77	0.39	19.20	6.01	0.10	7.52	0.42	0.02	19.69	5.49	0.01	bdl	100.64	0.81	G9
Horn Plateau	085L_2005_1082	0.25 - 0.5	21735-293	nd	40.56	0.26	20.48	4.43	0.08	8.07	0.49	0.02	18.91	5.02	0.01	0.00	98.33	0.84	G9
Horn Plateau	085L_2005_1084	0.25 - 0.5	21735-295	nd	41.84	0.28	19.01	6.71	0.11	6.94	0.36	bdl	19.84	5.63	0.02	bdl	100.77	0.85	G9
Horn Plateau	085L_2005_1085	0.25 - 0.5	21735-296	nd	41.83	0.03	20.23	5.82	0.04	7.47	0.49	bdl	21.22	2.67	bdl	bdl	99.83	0.82	G10
Horn Plateau	085L_2005_1086	0.25 - 0.5	21736-001	nd	41.39	0.32	19.08	6.61	0.05	7.78	0.43	0.03	19.20	5.48	0.04	0.02	100.43	0.83	G9
Horn Plateau	085L_2005_1086	0.25 - 0.5	21736-002	nd	41.51	0.03	20.49	5.28	0.04	7.70	0.51	0.03	22.44	1.69	bdl	bdl	99.73	0.84	G10
Horn Plateau	085L_2005_1086	0.25 - 0.5	21736-003	nd	41.15	0.03	19.73	5.71	0.06	7.10	0.41	0.03	19.36	6.02	bdl	bdl	99.61	0.82	G9
Horn Plateau	085L_2005_1086	0.25 - 0.5	21736-004	nd	40.55	bdl	16.44	9.52	0.09	6.81	0.46	0.04	19.88	5.33	bdl	bdl	99.15	0.80	G10
Horn Plateau	085L_2005_1086	0.25 - 0.5	21736-005	nd	41.48	0.51	20.40	4.65	0.11	6.64	0.39	0.01	20.87	4.90	0.03	bdl	100.01	0.82	G11
Horn Plateau	085L_2005_1086	0.25 - 0.5	21736-006	nd	41.70	0.36	20.64	3.63	bdl	6.91	0.45	0.01	20.95	4.88	0.03	bdl	99.57	0.84	G9
Horn Plateau	085L_2005_1090	0.25 - 0.5	21736-008	nd	41.75	0.47	20.28	4.17	bdl	7.35	0.36	bdl	20.24	5.19	0.03	0.00	99.85	0.82	G11
Horn Plateau	085L_2005_1092	0.25 - 0.5	21736-009	nd	41.31	0.00	18.70	7.32	0.11	7.55	0.53	0.02	18.16	6.37	0.02	0.01	100.11	0.80	G9
Horn Plateau	085L_2005_1092	0.25 - 0.5	21736-010	nd	41.17	0.35	18.34	6.41	0.09	6.93	0.38	bdl	19.59	5.87	0.05	0.01	99.20	0.83	G9
Horn Plateau	085L_2005_1093	0.25 - 0.5	21736-011	nd	40.78	0.24	16.40	9.42	0.11	6.73	0.34	0.06	19.62	6.39	0.08	0.04	100.22	0.85	G9
Horn Plateau	085L_2005_1093	0.25 - 0.5	21736-013	nd	41.21	0.28	19.07	5.18	0.17	7.88	0.37	bdl	18.46	6.98	0.06	bdl	99.68	0.86	G12
Horn Plateau	085L_2005_1093	0.25 - 0.5	21736-014	nd	40.90	0.03	20.32	4.45	0.05	7.86	0.43	bdl	19.41	5.64	0.03	bdl	99.13	0.80	G9
Horn Plateau	085L_2005_1093	0.25 - 0.5	21736-015	nd	40.43	0.01	18.24	7.88	0.10	7.88	0.45	0.01	17.18	7.83	0.03	0.01	100.05	0.83	G12
Horn Plateau	085L_2005_1094	0.25 - 0.5	21736-016	nd	40.93	0.19	17.89	7.58	0.11	6.76	0.41	0.02	19.26	6.48	0.05	bdl	99.69	0.83	G9
Horn Plateau	085L_2005_1094	0.25 - 0.5	21736-017	nd	40.98	0.31	19.05	5.28	bdl	8.32	0.38	bdl	18.36	6.91	bdl	bdl	99.64	0.80	G12
Horn Plateau	085L_2005_1095	0.25 - 0.5	21736-020	nd	41.48	0.05	21.33	4.25	0.04	7.32	0.47	0.00	21.14	3.40	0.05	bdl	99.54	0.85	G10

Horn Plateau	085L_2005_1096	0.25 - 0.5	21736-024	nd	40.81	0.57	16.88	7.90	0.12	6.53	0.39	bdl	19.53	6.38	0.12	0.01	99.24	0.84	G11
Horn Plateau	085L_2005_1096	0.25 - 0.5	21736-026	nd	40.84	0.44	16.41	9.12	0.00	7.27	0.40	0.03	18.76	6.76	0.03	bdl	100.06	0.84	G11
Horn Plateau	085L_2005_1096	0.25 - 0.5	21736-027	nd	41.33	0.37	20.44	3.55	0.10	7.56	0.27	0.03	20.96	4.56	0.08	bdl	99.26	0.83	G9
Horn Plateau	085L_2005_1096	0.25 - 0.5	21736-028	nd	41.09	0.10	17.88	8.55	0.04	6.83	0.52	bdl	20.83	4.32	0.01	bdl	100.21	0.82	G11
Horn Plateau	085L_2005_1096	0.25 - 0.5	21736-029	nd	41.62	0.03	19.57	5.95	0.06	6.69	0.38	0.01	20.01	5.62	0.01	0.00	99.94	0.85	G9
Horn Plateau	085L_2005_1097	0.25 - 0.5	21736-031	nd	41.10	0.05	18.71	7.01	0.07	8.21	0.62	0.05	18.05	6.52	bdl	0.00	100.42	0.85	G9
Horn Plateau	085L_2005_1097	0.25 - 0.5	21736-032	nd	40.98	0.07	18.68	6.34	bdl	6.83	0.44	0.01	19.75	5.68	0.01	bdl	98.80	0.85	G9
Horn Plateau	085L_2005_1097	0.25 - 0.5	21736-033	nd	41.19	0.09	19.08	6.26	0.08	6.94	0.35	0.04	20.26	5.63	0.07	bdl	100.00	0.84	G9
Horn Plateau	085L_2005_1097	0.25 - 0.5	21736-034	nd	41.27	0.29	19.37	5.54	0.02	6.23	0.29	bdl	21.16	5.17	0.03	0.01	99.37	0.83	G9
Horn Plateau	085L_2005_1097	0.25 - 0.5	21736-035	nd	41.56	0.22	21.26	3.39	0.06	7.56	0.37	0.03	20.41	5.11	0.02	0.03	100.02	0.83	G9
Horn Plateau	085L_2005_1097	0.25 - 0.5	21736-036	nd	41.34	0.03	20.51	4.84	0.02	7.59	0.48	bdl	20.97	3.44	0.01	bdl	99.25	0.84	G10
Horn Plateau	085L_2005_1097	0.25 - 0.5	21736-037	nd	41.05	0.45	18.92	6.45	0.04	7.43	0.36	0.02	19.85	5.92	0.03	0.02	100.53	0.82	G11
Horn Plateau	085L_2005_1098	0.25 - 0.5	21736-038	nd	41.36	0.12	21.33	3.52	0.07	8.34	0.41	0.01	19.23	5.29	0.04	0.02	99.73	0.83	G9
Horn Plateau	085L_2005_1100	0.25 - 0.5	21736-039	nd	41.40	0.43	18.79	5.88	0.08	7.70	0.40	0.05	19.87	5.75	0.01	bdl	100.36	0.83	G11
Horn Plateau	085L_2005_1100	0.25 - 0.5	21736-040	nd	40.65	bdl	19.39	6.11	0.05	8.00	0.49	0.05	19.45	4.63	0.04	bdl	98.87	0.79	G10
Horn Plateau	085L_2005_1100	0.25 - 0.5	21736-041	nd	40.63	0.03	20.66	4.36	0.08	7.61	0.38	0.02	19.25	6.03	0.00	bdl	99.05	0.84	G9
Horn Plateau	085L_2005_1100	0.25 - 0.5	21736-042	nd	41.39	0.32	18.68	6.40	bdl	6.97	0.35	0.01	19.66	6.00	0.02	bdl	99.82	0.68	G9
Horn Plateau	085L_2005_1100	0.25 - 0.5	21736-043	nd	40.21	0.14	15.63	10.75	0.15	6.48	0.42	0.01	19.19	6.66	0.02	bdl	99.67	0.81	G9
Horn Plateau	085L_2005_1102	0.25 - 0.5	21736-046	nd	41.35	0.24	20.83	4.38	0.06	6.67	0.47	0.05	20.67	4.85	0.02	0.02	99.60	0.82	G11
Horn Plateau	085L_2005_1102	0.25 - 0.5	21736-047	nd	40.11	0.03	16.91	9.66	0.01	7.06	0.51	bdl	17.81	7.71	0.01	bdl	99.83	0.83	G9
Horn Plateau	085L_2005_1102	0.25 - 0.5	21736-048	nd	41.70	0.32	21.09	3.15	0.05	7.39	0.38	0.04	20.63	5.00	0.05	bdl	99.82	0.83	G9
Horn Plateau	085L_2005_1103	0.25 - 0.5	21736-049	nd	40.87	0.11	15.85	10.91	0.06	6.80	0.48	0.05	19.63	5.37	0.06	0.02	100.21	0.79	G10D
Horn Plateau	085L_2005_1104	1.0 - 2.0	21739-001	nd	40.92	0.08	18.22	7.40	0.04	7.13	0.37	bdl	19.62	6.21	bdl	bdl	100.02	0.85	G9
Horn Plateau	085L_2005_1109	1.0 - 2.0	21739-002	nd	41.01	0.43	17.45	7.57	0.04	6.70	0.38	bdl	19.30	6.09	0.07	bdl	99.06	0.83	G11
Horn Plateau	085L_2005_1142	1.0 - 2.0	21739-003	nd	41.36	0.19	20.11	4.62	0.06	6.83	0.42	0.05	20.78	5.01	0.00	bdl	99.46	0.83	G9
Horn Plateau	085L_2005_1144	1.0 - 2.0	21739-004	nd	40.84	0.05	18.99	5.94	0.04	8.06	0.41	bdl	19.11	6.04	0.01	bdl	99.53	0.83	G9
Horn Plateau	095I_2005_2094	1.0 - 2.0	21739-005	nd	41.02	0.19	18.91	6.12	0.09	7.43	0.31	0.02	19.81	5.42	0.03	0.01	99.35	0.80	G9
Horn Plateau	085L_2005_2107	1.0 - 2.0	21739-006	nd	39.78	0.05	17.82	7.43	0.13	8.11	0.50	0.06	18.14	6.60	bdl	bdl	98.65	0.81	G9
Horn Plateau	085L_2005_2107	1.0 - 2.0	21739-007	nd	41.06	0.31	20.45	4.11	bdl	6.67	0.36	bdl	21.16	5.45	0.03	0.00	99.64	0.84	G11
Horn Plateau	085L_2005_2133	1.0 - 2.0	21739-008	nd	41.38	0.27	21.25	3.41	0.08	7.33	0.34	0.05	21.00	4.48	0.03	bdl	99.63	0.83	G9
Horn Plateau	085L_2005_2134	1.0 - 2.0	21739-009	nd	41.18	0.13	20.68	4.15	0.11	7.93	0.43	bdl	19.28	5.43	0.06	bdl	99.41	0.85	G9
Horn Plateau	085L_2005_1105	0.5 - 1.0	21739-013	nd	40.68	0.23	17.45	7.66	0.01	6.26	0.29	0.08	19.86	5.95	bdl	bdl	98.49	0.82	G9
Horn Plateau	085L_2005_1105	0.5 - 1.0	21739-014	nd	40.85	0.04	17.79	7.83	0.09	7.56	0.48	0.01	17.53	8.00	bdl	bdl	100.21	0.84	G12
Horn Plateau	085L_2005_1105	0.5 - 1.0	21739-015	nd	41.23	0.13	17.90	8.87	0.10	6.64	0.54	0.04	20.17	5.42	0.02	bdl	101.06	0.86	G10
Horn Plateau	085L_2005_1105	0.5 - 1.0	21739-016	nd	40.93	0.35	17.71	8.14	bdl	6.89	0.44	0.08	19.32	6.00	0.04	0.01	99.94	0.84	G9
Horn Plateau	085L_2005_1105	0.5 - 1.0	21739-017	nd	41.99	0.14	22.24	2.50	0.03	8.12	0.37	0.06	20.83	4.54	0.04	bdl	100.86	0.83	G9
Horn Plateau	085L_2005_1105	0.5 - 1.0	21739-018	nd	41.60	0.21	20.38	3.97	bdl	6.92	0.34	0.08	21.12	4.92	0.02	bdl	99.58	0.80	G11
Horn Plateau	085L_2005_1108	0.5 - 1.0	21739-019	nd	41.12	0.25	19.21	5.87	0.06	7.72	0.46	bdl	20.27	4.69	0.05	bdl	99.73	0.83	G10
Horn Plateau	085L_2005_1123	0.5 - 1.0	21739-020	nd	41.09	0.42	18.01	7.13	bdl	6.89	0.36	0.05	19.31	6.57	0.11	bdl	99.97	0.79	G11
Horn Plateau	085L_2005_1123	0.5 - 1.0	21739-021	nd	41.35	0.47	17.96	7.12	0.02	7.07	0.40	bdl	19.58	5.97	0.05	bdl	100.00	0.80	G11
Horn Plateau	085L_2005_1126	0.5 - 1.0	21739-022	nd	41.20	0.42	17.81	7.39	0.10	7.02	0.50	bdl	19.69	6.29	0.05	bdl	100.47	0.82	G11
Horn Plateau	085L_2005_1127	0.5 - 1.0	21739-023	nd	41.79	0.05	20.64	5.00	0.08	7.60	0.54	bdl	22.56	1.71	bdl	bdl	99.99	0.82	G10
Horn Plateau	085L_2005_1127	0.5 - 1.0	21739-024	nd	41.85	0.12	20.67	4.56	0.06	7.53	0.46	bdl	20.62	4.89	0.08	bdl	100.86	0.85	G9
Horn Plateau	085L_2005_1128	0.5 - 1.0	21739-025	nd	40.82	0.15	19.73	5.45	0.13	7.68	0.47	0.06	19.39	5.80	0.08	bdl	99.77	0.83	G9
Horn Plateau	085L_2005_1130	0.5 - 1.0	21739-026	nd	41.08	0.08	19.32	6.34	0.02	6.82	0.29	0.00	20.08	5.47	0.07	bdl	99.57	0.83	G9

Horn Plateau	085L_2005_1134	0.5 - 1.0	21739-027	nd	41.59	0.10	19.39	6.05	0.11	7.83	0.43	bdl	20.01	5.11	0.01	0.01	100.65	0.84	G9
Horn Plateau	085L_2005_1135	0.5 - 1.0	21739-028	nd	40.82	0.04	19.03	6.51	0.06	6.99	0.37	bdl	20.10	5.54	0.02	0.01	99.51	0.84	G9
Horn Plateau	085L_2005_1135	0.5 - 1.0	21739-029	nd	39.77	0.20	15.46	10.18	0.06	7.22	0.39	0.02	14.67	12.22	0.00	0.02	100.20	0.82	G12
Horn Plateau	085L_2005_1142	0.5 - 1.0	21739-030	nd	41.00	0.16	16.70	9.98	bdl	6.16	0.40	0.04	20.65	5.37	0.03	0.01	100.49	0.82	G10
Horn Plateau	085L_2005_1146	0.5 - 1.0	21739-032	nd	40.49	0.30	16.43	9.68	0.18	6.57	0.29	bdl	19.37	6.63	0.10	0.01	100.06	0.85	G9
Horn Plateau	085L_2005_1149	0.5 - 1.0	21739-033	nd	40.43	0.06	16.07	10.22	0.04	6.62	0.43	0.02	19.48	6.29	0.04	bdl	99.73	0.82	G9
Horn Plateau	085L_2005_1151	0.5 - 1.0	21739-034	nd	41.35	0.35	19.99	4.76	bdl	7.61	0.35	bdl	20.15	5.00	0.00	bdl	99.60	0.82	G9
Horn Plateau	085L_2005_1151	0.5 - 1.0	21739-035	nd	40.82	0.08	19.37	6.27	0.14	7.32	0.49	bdl	19.22	6.11	bdl	bdl	99.84	0.83	G11
Horn Plateau	085L_2005_1154	0.5 - 1.0	21739-036	nd	41.49	0.35	20.19	4.76	0.04	7.84	0.34	0.02	20.27	5.28	0.09	bdl	100.70	0.84	G9
Horn Plateau	085L_2005_1154	0.5 - 1.0	21739-037	nd	40.98	0.11	17.06	9.29	0.01	6.49	0.35	bdl	20.52	5.29	0.03	0.02	100.16	0.80	G10D
Horn Plateau	085L_2005_1162	0.5 - 1.0	21739-038	nd	41.18	0.02	19.35	6.03	0.10	7.96	0.45	0.04	18.98	6.31	0.03	bdl	100.46	0.79	G9
Horn Plateau	095I_2005_2094	0.5 - 1.0	21739-039	nd	40.86	0.05	17.26	9.13	0.01	7.03	0.60	bdl	21.13	3.92	0.01	0.00	100.03	0.83	G10D
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-040	nd	40.72	0.26	18.05	7.99	0.04	6.90	0.37	bdl	19.53	6.53	0.05	bdl	100.46	0.83	G9
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-041	nd	41.17	0.38	16.84	8.70	0.02	7.20	0.39	0.07	19.41	6.32	0.07	0.04	100.62	0.85	G9
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-042	nd	41.27	0.27	18.01	7.92	0.18	6.21	0.38	0.04	19.94	6.08	0.05	0.02	100.36	0.81	G11
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-043	nd	40.91	0.07	21.46	3.11	bdl	9.92	0.59	0.02	18.88	4.86	0.02	bdl	99.85	0.82	G9
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-044	nd	40.67	0.04	17.73	8.46	0.06	7.96	0.54	0.02	20.30	4.13	bdl	0.06	99.98	0.81	G10
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-045	nd	41.50	0.19	19.07	6.16	0.17	6.91	0.33	0.05	19.98	5.73	0.06	0.02	100.17	0.83	G9
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-046	nd	41.60	0.34	20.91	3.36	0.02	7.99	0.40	0.07	20.54	4.79	0.03	bdl	100.05	0.84	G11
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-047	nd	40.69	bdl	19.08	6.85	0.02	7.83	0.45	0.05	19.07	5.76	bdl	0.02	99.85	0.81	G9
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-048	nd	41.47	0.03	20.60	4.71	0.01	7.62	0.40	0.06	21.56	3.12	0.05	bdl	99.63	0.82	G10
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-049	nd	41.55	0.14	18.24	7.14	0.04	6.53	0.27	bdl	19.92	6.02	0.03	bdl	99.91	0.82	G9
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-050	nd	41.77	0.54	19.59	5.00	0.07	8.05	0.40	0.10	19.83	5.39	0.02	bdl	100.77	0.81	G11
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-052	nd	41.25	0.05	21.15	4.17	0.06	7.00	0.47	bdl	20.82	3.95	0.06	bdl	98.99	0.83	G11
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-053	nd	41.36	0.54	19.55	5.23	0.04	7.81	0.43	0.05	19.94	6.12	0.04	bdl	101.12	0.83	G11
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-054	nd	41.84	0.43	19.92	4.82	0.10	6.62	0.35	bdl	21.14	5.15	0.01	bdl	100.41	0.80	G11
Horn Plateau	085L_2005_2107	0.5 - 1.0	21739-055	nd	41.73	0.31	19.43	5.40	0.04	6.80	0.33	0.01	20.61	5.42	0.04	bdl	100.14	0.85	G9
Horn Plateau	085L_2005_2112	0.5 - 1.0	21739-056	nd	40.76	0.08	19.96	4.32	bdl	7.75	0.34	0.04	20.32	5.41	0.03	bdl	99.03	0.81	G9
Horn Plateau	085L_2005_2112	0.5 - 1.0	21739-058	nd	40.67	0.29	17.38	8.22	0.03	7.06	0.35	0.06	19.54	6.13	0.01	bdl	99.75	0.85	G9
Horn Plateau	085L_2005_2113	0.5 - 1.0	21739-059	nd	40.74	0.08	18.81	6.58	0.12	7.52	0.39	bdl	19.11	5.65	0.02	bdl	99.04	0.82	G11
Horn Plateau	085L_2005_2115	0.5 - 1.0	21739-060	nd	41.87	0.02	22.09	3.35	0.07	7.45	0.43	bdl	21.53	3.48	bdl	bdl	100.34	0.83	G10
Horn Plateau	085L_2005_2115	0.5 - 1.0	21739-061	nd	40.65	0.20	17.15	8.51	0.06	7.62	0.44	0.06	18.66	6.86	0.04	0.02	100.27	0.84	G11
Horn Plateau	085L_2005_2118	0.5 - 1.0	21739-062	nd	41.34	bdl	20.20	5.64	0.03	7.71	0.42	0.01	20.35	4.19	0.01	bdl	99.94	0.81	G11
Horn Plateau	085L_2005_2118	0.5 - 1.0	21739-063	nd	41.01	0.10	18.99	6.77	bdl	7.78	0.65	0.01	19.20	5.37	0.06	0.00	99.94	0.82	G9
Horn Plateau	085L_2005_2130	0.5 - 1.0	21739-064	nd	40.66	0.11	18.49	6.79	0.13	7.19	0.41	0.01	18.89	6.54	0.03	bdl	99.24	0.81	G11
Horn Plateau	085L_2005_2130	0.5 - 1.0	21739-065	nd	40.93	0.31	20.16	4.62	bdl	7.19	0.42	0.08	20.35	5.13	0.05	bdl	99.27	0.82	G9
Horn Plateau	085L_2005_2130	0.5 - 1.0	21739-066	nd	41.12	0.16	18.78	6.25	0.15	6.21	0.42	0.06	20.41	5.82	0.05	bdl	99.45	0.80	G11
Horn Plateau	085L_2005_2130	0.5 - 1.0	21739-067	nd	40.62	0.57	16.47	8.80	0.04	6.87	0.41	0.08	19.31	6.70	0.04	0.02	99.92	0.80	G11
Horn Plateau	085L_2005_2131	0.5 - 1.0	21739-068	nd	40.91	0.26	17.74	7.47	0.06	6.92	0.39	0.01	19.63	5.54	0.08	bdl	99.01	0.66	G9
Horn Plateau	085L_2005_2131	0.5 - 1.0	21739-069	nd	41.34	bdl	20.35	5.58	0.07	7.03	0.42	bdl	22.75	1.60	bdl	0.00	99.18	0.84	G10
Horn Plateau	085L_2005_2131	0.5 - 1.0	21739-071	nd	40.98	0.28	18.97	6.05	0.06	6.67	0.33	0.03	20.47	5.71	0.00	0.00	99.56	0.84	G9
Horn Plateau	085L_2005_2133	0.5 - 1.0	21739-072	nd	40.27	bdl	19.09	6.15	0.12	9.17	0.59	0.01	17.28	6.85	0.02	bdl	99.57	0.80	G9
Horn Plateau	085L_2005_2133	0.5 - 1.0	21739-073	nd	40.83	0.05	18.00	7.33	0.19	8.10	0.46	0.05	18.17	7.11	0.02	bdl	100.31	0.84	G11
Horn Plateau	085L_2005_2133	0.5 - 1.0	21739-074	nd	40.58	0.51	17.37	8.15	bdl	6.70	0.36	0.01	19.59	6.18	0.04	bdl	99.51	0.83	G11
Horn Plateau	085L_2005_2134	0.5 - 1.0	21739-075	nd	42.17	0.28	22.42	2.15	0.04	6.87	0.34	0.04	21.41	4.62	0.05	0.02	100.41	0.80	G9

Horn Plateau	085K_2005_2149	0.5 - 1.0	21739-076	nd	40.78	0.07	18.46	6.91	0.04	7.39	0.53	bdl	17.73	7.89	0.02	bdl	99.84	0.83	G12
Horn Plateau	085L_2005_2160	0.5 - 1.0	21739-077	nd	40.81	0.11	18.79	6.66	0.02	7.35	0.46	bdl	19.26	6.11	0.03	bdl	99.61	0.84	G11
Horn Plateau	085L_2005_2169	0.5 - 1.0	21739-079	nd	41.39	0.01	19.98	5.58	0.01	6.90	0.38	0.05	20.49	4.77	0.04	0.01	99.61	0.84	G11
Horn Plateau	085L_2005_2180	0.5 - 1.0	21739-080	nd	41.45	0.17	17.81	8.02	bdl	6.21	0.29	0.05	20.41	5.80	0.01	bdl	100.25	0.83	G9
Horn Plateau	085L_2005_2194	0.5 - 1.0	21739-081	nd	41.40	0.18	18.33	7.11	0.19	6.65	0.35	bdl	20.40	5.73	bdl	0.00	100.34	0.83	G9
Horn Plateau	085L_2005_2194	0.5 - 1.0	21739-082	nd	42.03	0.36	21.82	2.98	bdl	8.33	0.47	bdl	20.50	4.79	0.07	bdl	101.38	0.83	G9
Horn Plateau	085L_2005_2196	0.5 - 1.0	21739-083	nd	41.28	0.43	18.25	6.67	bdl	7.19	0.37	0.02	19.82	5.63	0.06	bdl	99.74	0.79	G11
Horn Plateau	085L_2005_2196	0.5 - 1.0	21739-084	nd	41.20	0.48	19.40	4.86	bdl	7.36	0.29	0.03	20.26	5.28	0.05	0.02	99.24	0.83	G11
Horn Plateau	085L_2005_2199	0.5 - 1.0	21739-085	nd	40.69	0.01	16.69	9.76	0.09	6.85	0.43	0.07	20.09	5.21	0.02	bdl	99.91	0.84	G11
Horn Plateau	085L_2005_2199	0.5 - 1.0	21739-086	nd	40.51	0.48	17.06	8.50	0.09	7.19	0.32	bdl	19.66	6.03	0.08	0.01	99.94	0.83	G11
Horn Plateau	085L_2005_2204	0.5 - 1.0	21739-087	nd	40.79	0.30	19.28	5.92	bdl	7.13	0.43	0.07	20.17	5.59	0.05	bdl	99.74	0.83	G9
Horn Plateau	085L_2005_1104	0.25 - 0.5	21740-001	nd	41.70	0.44	20.09	4.92	0.04	7.58	0.33	0.05	20.09	5.08	0.09	0.03	100.44	0.81	G11
Horn Plateau	085L_2005_1104	0.25 - 0.5	21740-002	nd	41.27	0.16	19.68	6.19	0.06	6.70	0.30	bdl	20.02	5.68	bdl	0.02	100.10	0.83	G9
Horn Plateau	085L_2005_1105	0.25 - 0.5	21740-003	nd	42.19	0.44	20.72	4.38	0.09	7.86	0.46	0.03	19.71	4.97	0.05	bdl	100.91	0.83	G11
Horn Plateau	085L_2005_1105	0.25 - 0.5	21740-004	nd	42.23	0.13	20.30	5.03	0.10	7.19	0.40	bdl	20.02	5.01	bdl	0.02	100.44	0.80	G9
Horn Plateau	085L_2005_1105	0.25 - 0.5	21740-005	nd	42.45	0.58	19.49	5.71	bdl	6.87	0.36	bdl	20.48	5.32	0.06	0.01	101.35	0.79	G11
Horn Plateau	085L_2005_1105	0.25 - 0.5	21740-006	nd	42.16	0.53	20.03	4.90	0.04	6.60	0.36	bdl	20.55	5.08	0.04	bdl	100.32	0.74	G11
Horn Plateau	085L_2005_1105	0.25 - 0.5	21740-007	nd	42.05	0.25	21.63	3.26	0.02	7.67	0.38	0.01	20.49	4.60	0.01	0.01	100.38	0.83	G9
Horn Plateau	085L_2005_1107	0.25 - 0.5	21740-008	nd	42.12	0.54	18.76	7.25	bdl	7.04	0.45	0.03	19.58	5.50	0.06	bdl	101.35	0.80	G11
Horn Plateau	085L_2005_1108	0.25 - 0.5	21740-009	nd	41.65	0.09	20.90	3.62	0.06	10.30	0.55	bdl	17.36	6.01	0.02	bdl	100.58	0.79	G9
Horn Plateau	085L_2005_1109	0.25 - 0.5	21740-010	nd	41.19	0.89	16.54	9.46	0.01	7.44	0.45	0.06	17.11	8.47	0.07	0.00	101.69	0.84	G11
Horn Plateau	085L_2005_1109	0.25 - 0.5	21740-011	nd	41.88	0.02	20.82	4.73	0.10	8.11	0.39	bdl	18.94	5.80	bdl	0.03	100.84	0.85	G9
Horn Plateau	085L_2005_1109	0.25 - 0.5	21740-012	nd	42.12	0.45	19.56	4.93	0.04	7.21	0.29	0.07	20.41	5.61	0.04	bdl	100.74	0.80	G11
Horn Plateau	085L_2005_1109	0.25 - 0.5	21740-013	nd	41.74	0.22	19.80	6.01	0.09	6.58	0.33	0.06	20.09	5.65	bdl	bdl	100.58	0.82	G9
Horn Plateau	085L_2005_1111	0.25 - 0.5	21740-015	nd	41.95	0.29	19.63	5.62	0.12	6.72	0.37	bdl	20.53	4.83	0.08	bdl	100.17	0.83	G11
Horn Plateau	085L_2005_1113	0.25 - 0.5	21740-016	nd	41.09	0.02	18.73	6.92	0.09	7.06	0.49	0.02	18.66	6.30	0.02	bdl	99.40	0.81	G9
Horn Plateau	085L_2005_1113	0.25 - 0.5	21740-017	nd	42.02	0.41	20.42	4.84	0.04	7.26	0.42	bdl	19.84	5.43	0.03	bdl	100.73	0.83	G11
Horn Plateau	085L_2005_1113	0.25 - 0.5	21740-019	nd	41.05	0.11	17.21	9.35	0.08	7.56	0.34	0.03	16.89	8.25	0.02	bdl	100.89	0.84	G12
Horn Plateau	085L_2005_1113	0.25 - 0.5	21740-020	nd	41.91	0.06	19.41	6.68	0.07	6.75	0.40	bdl	19.64	5.89	0.04	bdl	100.87	0.74	G9
Horn Plateau	085L_2005_1116	0.25 - 0.5	21740-021	nd	41.26	0.46	18.89	6.78	0.02	6.38	0.32	0.08	19.92	5.56	0.08	0.05	99.80	0.82	G11
Horn Plateau	085L_2005_1118	0.25 - 0.5	21740-023	nd	41.95	0.43	19.44	5.78	0.06	7.31	0.39	0.04	19.47	5.29	0.07	0.01	100.24	0.48	G11
Horn Plateau	085L_2005_1119	0.25 - 0.5	21740-025	nd	42.41	0.34	20.74	3.67	0.04	7.30	0.29	0.02	21.18	4.43	0.03	bdl	100.47	0.03	G9
Horn Plateau	085L_2005_1119	0.25 - 0.5	21740-026	nd	42.01	0.12	22.38	2.93	0.14	9.04	0.56	0.03	18.68	5.09	0.05	0.00	101.03	0.13	G9
Horn Plateau	085L_2005_1119	0.25 - 0.5	21740-028	nd	41.27	0.09	19.55	6.50	0.08	7.54	0.42	0.01	17.95	7.02	bdl	bdl	100.44	0.84	G9
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-029	nd	41.03	0.66	18.65	5.73	bdl	7.23	0.49	bdl	17.73	7.94	0.08	0.02	99.59	0.83	G11
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-031	nd	41.19	0.10	14.83	12.42	0.08	6.67	0.35	0.03	19.55	5.56	0.01	0.01	100.81	0.84	G10D
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-032	nd	41.21	0.03	16.79	9.88	bdl	7.03	0.47	0.01	17.67	7.54	0.03	bdl	100.67	0.84	G9
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-033	nd	41.68	0.11	19.51	5.91	0.06	7.88	0.51	0.04	18.63	5.61	0.06	bdl	100.02	0.81	G9
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-035	nd	40.75	0.05	15.77	11.47	0.05	7.30	0.54	bdl	17.28	7.80	bdl	0.01	101.05	0.82	G9
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-036	nd	42.45	0.14	22.38	2.90	0.10	7.03	0.38	bdl	21.09	4.63	0.05	bdl	101.17	0.83	G9
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-037	nd	42.17	0.14	19.23	6.14	0.02	7.27	0.40	bdl	19.66	5.74	bdl	bdl	100.79	0.80	G9
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-038	nd	41.54	0.27	19.00	6.59	0.17	7.22	0.34	0.04	19.62	5.99	0.02	0.01	100.81	0.83	G9
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-039	nd	41.84	0.23	21.32	3.42	0.04	6.89	0.40	0.03	20.75	4.67	0.04	bdl	99.65	0.83	G9
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-040	nd	42.61	0.09	19.39	6.83	0.04	6.71	0.24	0.02	20.12	5.87	0.02	bdl	101.97	0.83	G9
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-041	nd	41.61	0.25	17.88	8.63	0.02	6.04	0.26	0.05	19.95	5.88	0.02	0.03	100.60	0.78	G9

Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-042	nd	42.41	bdl	21.59	4.78	0.15	6.89	0.41	bdl	22.17	2.32	0.00	bdl	100.75	0.84	G10
Horn Plateau	085L_2005_1120	0.25 - 0.5	21740-043	nd	41.75	0.48	19.33	5.37	0.12	7.48	0.34	bdl	20.15	5.57	0.01	bdl	100.62	0.84	G11
Horn Plateau	085L_2005_1122	0.25 - 0.5	21740-044	nd	41.74	0.06	21.36	4.24	bdl	7.20	0.36	0.04	20.82	3.66	0.04	bdl	99.54	0.83	G10
Horn Plateau	085L_2005_1122	0.25 - 0.5	21740-045	nd	40.76	0.02	17.19	9.19	0.04	8.23	0.43	0.01	16.69	8.41	bdl	bdl	101.00	0.83	G12
Horn Plateau	085L_2005_1122	0.25 - 0.5	21740-046	nd	41.77	0.34	20.84	4.49	0.02	7.51	0.31	bdl	20.32	5.14	0.04	bdl	100.80	0.84	G9
Horn Plateau	085L_2005_1123	0.25 - 0.5	21740-047	nd	41.53	0.41	19.35	5.43	0.08	6.82	0.37	0.01	19.93	5.56	0.07	bdl	99.58	0.79	G11
Horn Plateau	085L_2005_1123	0.25 - 0.5	21740-048	nd	40.72	0.43	17.81	7.15	0.13	6.97	0.41	0.00	19.09	6.11	0.05	bdl	98.89	0.87	G11
Horn Plateau	085L_2005_1123	0.25 - 0.5	21740-049	nd	41.80	0.05	19.60	6.61	bdl	7.49	0.43	bdl	19.65	4.79	0.06	0.02	100.52	0.80	G10
Horn Plateau	085L_2005_1124	0.25 - 0.5	21740-050	nd	41.59	0.35	18.33	7.87	0.03	6.39	0.49	0.02	19.37	6.19	0.03	bdl	100.66	0.80	G9
Horn Plateau	085L_2005_1124	0.25 - 0.5	21740-051	nd	40.38	0.04	19.53	5.49	bdl	10.43	0.57	0.10	16.33	6.56	0.01	bdl	99.46	0.82	G9
Horn Plateau	085L_2005_1124	0.25 - 0.5	21740-052	nd	41.45	0.08	19.01	7.52	0.04	6.79	0.46	0.05	19.02	6.88	0.01	0.03	101.32	0.83	G9
Horn Plateau	085L_2005_1124	0.25 - 0.5	21740-053	nd	41.85	0.34	19.37	6.31	bdl	6.14	0.29	bdl	20.67	5.44	0.04	bdl	100.47	0.83	G11
Horn Plateau	085L_2005_1124	0.25 - 0.5	21740-054	nd	41.80	0.18	21.38	3.94	0.03	8.24	0.46	0.05	19.19	5.22	0.00	0.01	100.51	0.84	G9
Horn Plateau	085L_2005_1126	0.25 - 0.5	21740-055	nd	41.44	0.22	18.12	7.74	0.04	6.86	0.41	0.06	19.54	5.88	0.09	bdl	100.42	0.79	G11
Horn Plateau	085L_2005_1127	0.25 - 0.5	21740-056	nd	41.70	0.24	18.44	7.14	0.03	6.88	0.44	0.08	19.40	5.98	bdl	0.02	100.36	0.83	G9
Horn Plateau	085L_2005_1127	0.25 - 0.5	21740-058	nd	41.75	0.27	18.20	7.87	0.04	6.60	0.32	bdl	19.85	5.84	bdl	0.01	100.78	0.78	G9
Horn Plateau	085L_2005_1127	0.25 - 0.5	21740-059	nd	41.93	0.32	20.62	4.26	0.08	6.90	0.37	0.07	20.53	5.10	0.04	0.03	100.25	0.84	G9
Horn Plateau	085L_2005_1127	0.25 - 0.5	21740-060	nd	42.23	0.32	22.41	2.09	bdl	8.78	0.46	0.08	18.68	5.10	0.03	bdl	100.21	0.83	G11
Horn Plateau	085L_2005_1127	0.25 - 0.5	21740-061	nd	41.80	0.22	20.56	4.97	0.01	6.68	0.34	bdl	20.25	5.11	0.04	bdl	100.01	0.84	G11
Horn Plateau	085L_2005_1127	0.25 - 0.5	21740-062	nd	42.01	0.30	19.92	5.26	0.07	6.93	0.32	0.08	20.41	5.19	0.00	0.06	100.56	0.85	G11
Horn Plateau	085L_2005_1127	0.25 - 0.5	21740-064	nd	42.32	bdl	20.67	4.88	0.04	7.44	0.47	bdl	20.05	4.35	bdl	0.01	100.25	0.82	G11
Horn Plateau	085L_2005_1127	0.25 - 0.5	21740-065	nd	41.46	0.36	19.06	6.61	bdl	6.50	0.28	bdl	20.36	5.40	0.04	bdl	100.11	0.83	G11
Horn Plateau	085L_2005_1127	0.25 - 0.5	21740-066	nd	41.50	0.02	20.44	4.92	0.04	7.76	0.43	0.02	20.52	4.03	0.04	bdl	99.73	0.82	G10
Horn Plateau	085L_2005_1127	0.25 - 0.5	21740-067	nd	40.73	0.06	19.35	6.60	0.08	9.42	0.60	0.09	17.11	6.43	0.01	bdl	100.49	0.83	G11
Horn Plateau	085L_2005_1128	0.25 - 0.5	21740-068	nd	41.35	0.09	16.95	9.35	bdl	6.51	0.31	bdl	19.60	5.99	0.03	bdl	100.22	0.84	G11
Horn Plateau	085L_2005_1128	0.25 - 0.5	21740-069	nd	41.58	0.11	18.69	7.24	0.03	6.99	0.34	bdl	19.40	5.91	bdl	bdl	100.33	0.83	G9
Horn Plateau	085L_2005_1128	0.25 - 0.5	21740-070	nd	41.66	0.02	21.61	4.39	0.02	7.34	0.49	bdl	19.27	5.69	bdl	bdl	100.52	0.83	G11
Horn Plateau	085L_2005_1130	0.25 - 0.5	21740-071	nd	41.38	0.20	19.97	5.36	0.08	7.66	0.38	bdl	19.73	5.07	0.05	0.03	99.91	0.84	G9
Horn Plateau	085L_2005_1130	0.25 - 0.5	21740-072	nd	41.36	0.37	18.46	6.87	bdl	6.69	0.32	0.02	20.17	5.69	0.02	bdl	99.99	0.81	G11
Horn Plateau	085L_2005_1130	0.25 - 0.5	21740-073	nd	41.80	0.10	22.45	2.56	0.08	8.68	0.46	bdl	19.22	4.53	bdl	0.01	99.92	0.85	G9
Horn Plateau	085L_2005_1133	0.25 - 0.5	21740-074	nd	41.27	0.03	19.99	5.58	bdl	7.80	0.45	bdl	18.46	5.94	0.02	bdl	99.59	0.82	G9
Horn Plateau	085L_2005_1133	0.25 - 0.5	21740-075	nd	40.94	0.32	19.30	5.41	0.02	7.35	0.27	0.04	19.67	5.52	0.01	0.02	98.86	0.83	G11
Horn Plateau	085L_2005_1133	0.25 - 0.5	21740-077	nd	41.35	0.03	19.68	6.85	0.07	7.47	0.52	bdl	20.69	3.98	0.03	bdl	100.69	0.81	G10
Horn Plateau	085L_2005_1134	0.25 - 0.5	21740-078	nd	40.55	0.17	19.67	5.98	0.02	9.99	0.72	bdl	16.44	6.50	0.06	0.01	100.11	0.84	G11
Horn Plateau	085L_2005_1134	0.25 - 0.5	21740-079	nd	40.81	0.47	15.60	9.89	0.10	6.56	0.37	0.05	18.99	6.38	0.03	bdl	99.26	0.85	G11
Horn Plateau	085L_2005_1134	0.25 - 0.5	21740-080	nd	40.77	0.50	20.05	4.46	bdl	7.91	0.30	0.01	19.74	5.39	0.07	bdl	99.21	0.85	G11
Horn Plateau	085L_2005_1135	0.25 - 0.5	21740-081	nd	41.09	0.41	17.37	8.31	0.06	7.35	0.42	0.09	19.01	6.13	0.03	bdl	100.28	0.85	G11
Horn Plateau	085L_2005_1135	0.25 - 0.5	21740-082	nd	41.60	0.09	18.65	7.35	bdl	7.68	0.63	bdl	17.41	7.51	bdl	0.01	100.95	0.82	G12
Horn Plateau	085L_2005_1135	0.25 - 0.5	21740-083	nd	41.64	0.10	20.23	4.83	0.01	7.80	0.42	0.06	19.63	5.43	0.05	bdl	100.20	0.85	G9
Horn Plateau	085L_2005_1135	0.25 - 0.5	21740-084	nd	41.19	0.29	20.32	3.96	0.04	8.46	0.47	bdl	18.40	7.15	0.02	0.02	100.33	0.84	G12
Horn Plateau	085L_2005_1135	0.25 - 0.5	21740-085	nd	41.98	0.13	22.18	2.42	0.11	8.09	0.45	0.06	19.75	4.88	0.04	0.03	100.13	0.84	G9
Horn Plateau	085L_2005_1135	0.25 - 0.5	21740-086	nd	41.88	0.17	21.73	3.38	0.08	7.57	0.35	bdl	20.48	4.73	0.11	0.00	100.48	0.83	G9
Horn Plateau	085L_2005_1135	0.25 - 0.5	21740-087	nd	41.01	0.54	19.79	4.75	0.08	8.39	0.32	0.04	18.27	6.98	0.03	0.05	100.25	0.84	G11
Horn Plateau	085L_2005_1135	0.25 - 0.5	21740-088	nd	41.40	0.08	20.90	4.42	bdl	9.05	0.55	0.03	18.12	5.55	0.05	bdl	100.17	0.83	G9
Horn Plateau	085L_2005_1140	0.25 - 0.5	21740-092	nd	41.20	0.12	17.33	9.00	0.01	6.48	0.35	0.06	20.75	4.64	bdl	0.00	99.95	0.80	G10D

Horn Plateau	085L_2005_1140	0.25 - 0.5	21740-093	nd	42.06	0.53	19.99	5.49	0.07	7.29	0.39	0.04	19.10	6.84	0.01	0.01	101.83	0.83	G11
Horn Plateau	085L_2005_1140	0.25 - 0.5	21740-094	nd	41.54	0.39	17.40	8.17	0.04	6.37	0.36	0.01	19.74	6.08	0.03	bdl	100.14	0.79	G11
Horn Plateau	085L_2005_1140	0.25 - 0.5	21740-095	nd	41.11	0.39	17.96	7.28	bdl	6.72	0.30	0.04	19.46	6.00	bdl	bdl	99.28	0.79	G11
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-096	nd	41.52	0.02	20.13	5.94	0.13	7.75	0.43	bdl	21.36	2.73	bdl	0.02	100.06	0.82	G11
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-097	nd	41.39	0.44	18.73	7.11	0.05	7.34	0.50	0.01	19.44	5.59	0.05	bdl	100.65	0.70	G11
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-098	nd	41.78	0.50	20.14	4.59	0.06	8.19	0.42	0.10	18.36	6.89	0.10	bdl	101.13	0.80	G11
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-100	nd	41.26	0.38	18.18	7.18	0.11	7.70	0.34	bdl	18.94	6.16	0.08	0.00	100.34	0.83	G11
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-101	nd	41.48	0.40	19.83	5.17	0.04	8.36	0.37	0.02	18.42	7.07	0.06	bdl	101.23	0.80	G12
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-102	nd	41.56	0.14	18.88	7.45	0.07	6.26	0.25	0.03	19.92	5.85	0.05	0.02	100.48	0.83	G9
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-103	nd	42.34	0.40	19.62	5.69	bdl	7.01	0.43	0.09	20.43	5.50	0.03	bdl	101.56	0.84	G11
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-104	nd	42.02	0.34	21.73	2.87	0.06	7.68	0.39	0.08	20.42	4.90	0.06	bdl	100.54	0.79	G9
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-105	nd	42.08	0.31	20.99	4.33	bdl	7.52	0.34	0.08	20.39	4.89	0.04	0.00	100.98	0.83	G11
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-106	nd	41.44	0.26	16.43	10.25	0.10	6.62	0.36	0.01	18.55	6.61	0.01	bdl	100.65	0.84	G9
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-107	nd	41.29	0.31	17.78	7.79	0.12	6.88	0.30	0.05	19.23	6.29	0.02	0.02	100.07	0.80	G9
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-108	nd	41.19	0.59	17.03	8.67	0.03	7.56	0.44	0.01	19.01	6.16	0.08	0.01	100.80	0.81	G11
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-110	nd	41.56	0.19	20.16	5.38	0.02	11.37	0.73	0.04	15.87	6.82	0.05	bdl	102.18	0.81	G11
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-111	nd	41.67	0.42	18.12	7.97	bdl	6.76	0.50	0.06	19.82	5.84	0.07	bdl	101.23	0.81	G11
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-113	nd	41.66	0.19	19.11	6.71	0.09	6.96	0.32	bdl	19.81	5.70	0.03	bdl	100.60	0.84	G11
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-114	nd	41.66	0.31	19.90	5.34	0.06	6.45	0.34	bdl	20.44	5.52	0.05	bdl	100.09	0.79	G9
Horn Plateau	085L_2005_1142	0.25 - 0.5	21740-115	nd	41.25	0.38	19.03	5.37	bdl	7.36	0.37	0.04	19.58	5.59	bdl	0.01	99.02	0.84	G9
Horn Plateau	085L_2005_1144	0.25 - 0.5	21740-116	nd	43.11	0.27	20.05	6.17	0.01	6.91	0.33	0.01	20.80	5.71	0.04	bdl	103.43	0.77	G9
Horn Plateau	085L_2005_1144	0.25 - 0.5	21740-117	nd	42.21	0.03	19.95	6.09	0.04	8.07	0.44	bdl	19.34	5.69	0.01	bdl	101.89	0.83	G9
Horn Plateau	085L_2005_1144	0.25 - 0.5	21740-118	nd	41.59	bdl	20.42	5.03	0.10	7.17	0.48	bdl	20.30	4.33	0.01	0.02	99.47	0.80	G10
Horn Plateau	085L_2005_1149	0.25 - 0.5	21740-119	nd	41.68	0.27	18.60	7.06	0.01	6.82	0.38	0.04	19.57	5.87	bdl	bdl	100.32	0.83	G9
Horn Plateau	085L_2005_1149	0.25 - 0.5	21740-120	nd	42.08	0.22	20.08	5.38	0.07	7.16	0.40	bdl	20.32	5.07	0.04	bdl	100.84	0.83	G9
Horn Plateau	085L_2005_1149	0.25 - 0.5	21740-121	nd	42.10	0.05	21.16	4.00	0.09	8.37	0.49	0.04	18.93	5.32	bdl	0.03	100.60	0.81	G9
Horn Plateau	085L_2005_1149	0.25 - 0.5	21740-122	nd	40.28	0.17	15.80	9.63	0.21	11.36	0.64	bdl	14.07	8.49	0.04	0.00	100.70	0.85	G12
Horn Plateau	085L_2005_1149	0.25 - 0.5	21740-124	nd	42.49	0.06	20.46	5.31	0.08	7.05	0.43	bdl	20.11	5.46	0.05	0.05	101.56	0.82	G11
Horn Plateau	085L_2005_1149	0.25 - 0.5	21740-125	nd	40.84	0.02	18.00	8.26	0.13	8.04	0.41	0.01	17.02	8.09	bdl	bdl	100.83	0.82	G12
Horn Plateau	085L_2005_1149	0.25 - 0.5	21740-126	nd	41.34	0.05	20.54	5.73	0.01	7.39	0.58	0.02	20.04	4.61	0.01	0.02	100.33	0.81	G10
Horn Plateau	085L_2005_1149	0.25 - 0.5	21740-127	nd	41.90	0.14	20.93	3.93	0.04	7.17	0.41	0.01	20.85	4.54	0.06	0.02	100.00	0.81	G9
Horn Plateau	085L_2005_1149	0.25 - 0.5	21740-128	nd	41.37	0.67	18.86	5.71	0.07	8.13	0.38	bdl	18.54	6.35	0.02	bdl	100.13	0.80	G11
Horn Plateau	085L_2005_1151	0.25 - 0.5	21740-129	nd	41.34	0.39	18.49	7.14	0.08	7.47	0.47	0.03	19.63	5.59	0.05	bdl	100.69	0.84	G9
Horn Plateau	085L_2005_1151	0.25 - 0.5	21740-130	nd	41.54	0.50	19.45	4.82	0.12	7.31	0.36	0.04	19.72	5.67	0.05	bdl	99.58	0.83	G11
Horn Plateau	085L_2005_1162	0.25 - 0.5	21740-132	nd	40.49	0.49	14.93	10.73	0.07	7.11	0.33	0.03	18.02	7.44	0.07	bdl	99.72	0.82	G11
Horn Plateau	085L_2005_1162	0.25 - 0.5	21740-133	nd	41.39	0.04	19.21	6.27	0.12	7.74	0.43	0.03	18.47	6.54	bdl	bdl	100.25	0.82	G9
Horn Plateau	085L_2005_1162	0.25 - 0.5	21740-134	nd	41.66	0.05	20.71	5.29	bdl	7.05	0.43	0.05	20.21	4.91	0.03	bdl	100.40	0.79	G9
Horn Plateau	085L_2005_1162	0.25 - 0.5	21740-135	nd	41.88	0.27	21.02	4.14	0.03	7.36	0.37	bdl	20.11	5.01	0.03	bdl	100.25	0.84	G9
Horn Plateau	085L_2005_1162	0.25 - 0.5	21740-136	nd	41.60	0.19	20.15	5.27	0.11	6.63	0.43	bdl	20.63	4.98	0.04	0.01	100.06	0.80	G9
Horn Plateau	085L_2005_1162	0.25 - 0.5	21740-137	nd	41.70	0.45	18.99	5.74	0.03	7.48	0.34	0.09	19.48	6.11	0.04	bdl	100.47	0.83	G11
Horn Plateau	085L_2005_1162	0.25 - 0.5	21740-138	nd	41.29	0.24	19.83	5.55	0.09	7.18	0.48	bdl	19.41	5.59	0.07	bdl	99.74	0.83	G9
Horn Plateau	095l_2005_2094	0.25 - 0.5	21740-139	nd	41.38	0.41	18.50	7.23	0.08	6.76	0.44	0.08	19.47	5.87	0.10	bdl	100.32	0.83	G11
Horn Plateau	085L_2005_2098	0.25 - 0.5	21740-140	nd	41.94	0.31	20.57	4.32	0.08	7.86	0.37	bdl	19.64	5.53	0.07	bdl	100.72	0.82	G9
Horn Plateau	085L_2005_2098	0.25 - 0.5	21740-141	nd	41.16	0.13	19.64	6.22	0.08	8.01	0.46	bdl	18.27	6.47	0.05	bdl	100.49	0.83	G9
Horn Plateau	085L_2005_2098	0.25 - 0.5	21740-142	nd	41.08	0.48	15.48	10.77	bdl	7.16	0.42	0.06	18.12	7.31	0.03	0.03	100.96	0.80	G11

Horn Plateau	085L_2005_2102	0.25 - 0.5	21740-143	nd	42.21	0.25	22.15	2.61	0.01	7.21	0.30	0.02	20.61	4.85	0.02	0.03	100.27	0.84	G9
Horn Plateau	085L_2005_2102	0.25 - 0.5	21740-145	nd	41.30	0.39	20.63	4.11	0.08	7.86	0.46	bdl	20.17	4.96	0.06	0.02	100.05	0.83	G9
Horn Plateau	085L_2005_2102	0.25 - 0.5	21740-146	nd	40.82	0.14	20.18	5.00	0.04	8.12	0.36	bdl	18.70	5.76	0.02	0.03	99.17	0.83	G9
Horn Plateau	085L_2005_2102	0.25 - 0.5	21740-147	nd	41.34	0.29	19.75	6.22	0.05	7.17	0.40	0.04	19.91	5.44	0.01	bdl	100.62	0.82	G9
Horn Plateau	085L_2005_2102	0.25 - 0.5	21740-148	nd	41.64	0.30	20.45	4.47	0.01	6.52	0.34	bdl	20.38	4.92	0.02	bdl	99.07	0.82	G9
Horn Plateau	085L_2005_2103	0.25 - 0.5	21740-150	nd	42.20	bdl	21.14	5.11	0.09	6.63	0.36	bdl	22.45	2.38	bdl	0.04	100.43	0.85	G11
Horn Plateau	085L_2005_2103	0.25 - 0.5	21740-151	nd	40.62	0.03	18.55	7.53	0.06	7.96	0.49	0.01	17.60	7.37	0.05	bdl	100.29	0.83	G12
Horn Plateau	085L_2005_2107	0.25 - 0.5	21740-152	nd	41.96	bdl	21.32	4.44	bdl	7.31	0.45	bdl	20.57	4.04	0.05	0.03	100.20	0.81	G10
Horn Plateau	085L_2005_2107	0.25 - 0.5	21740-153	nd	40.31	0.03	15.11	11.71	0.08	6.45	0.39	bdl	17.88	7.77	bdl	0.02	99.77	0.83	G9
Horn Plateau	085L_2005_2107	0.25 - 0.5	21740-155	nd	41.03	0.09	17.83	7.92	bdl	7.50	0.38	0.02	19.10	5.68	0.09	bdl	99.64	0.80	G9
Horn Plateau	085L_2005_2107	0.25 - 0.5	21740-156	nd	41.74	0.46	19.49	5.01	0.17	7.28	0.32	bdl	19.91	5.32	0.05	bdl	99.77	0.82	G11
Horn Plateau	085L_2005_2107	0.25 - 0.5	21740-157	nd	41.84	0.02	20.55	5.50	0.01	6.92	0.26	0.01	22.70	1.96	0.05	bdl	99.83	0.84	G10D
Horn Plateau	085L_2005_2107	0.25 - 0.5	21740-158	nd	41.22	0.15	18.71	7.01	0.09	6.36	0.28	0.03	19.83	5.93	0.03	0.02	99.67	0.84	G9
Horn Plateau	085L_2005_2107	0.25 - 0.5	21740-159	nd	41.66	0.38	19.84	5.45	0.03	6.75	0.34	bdl	20.33	5.23	0.11	0.03	100.17	0.83	G11
Horn Plateau	085L_2005_2107	0.25 - 0.5	21740-160	nd	41.42	0.72	17.82	6.44	0.13	6.87	0.28	0.01	20.43	5.95	0.04	bdl	100.11	0.83	G11
Horn Plateau	085L_2005_2107	0.25 - 0.5	21740-161	nd	41.26	0.04	20.21	5.57	0.03	6.82	0.46	0.05	20.32	5.01	0.05	bdl	99.83	0.85	G9
Horn Plateau	085L_2005_2107	0.25 - 0.5	21740-162	nd	40.98	0.25	17.54	8.30	0.13	6.75	0.39	bdl	19.46	6.13	0.03	bdl	99.98	0.85	G9
Horn Plateau	085L_2005_2107	0.25 - 0.5	21740-163	nd	41.53	0.25	18.40	7.47	0.08	6.72	0.40	0.05	19.96	5.55	0.04	bdl	100.47	0.80	G9
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-165	nd	41.76	0.06	20.00	5.69	0.07	7.51	0.42	0.05	20.54	4.02	0.03	bdl	100.17	0.84	G10
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-166	nd	42.57	bdl	20.54	5.18	0.17	7.65	0.40	0.06	18.92	6.20	0.01	bdl	101.73	0.81	G9
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-167	nd	41.69	0.15	19.47	5.41	0.11	6.61	0.30	0.04	20.32	5.24	0.03	bdl	99.37	0.80	G9
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-168	nd	41.44	0.28	17.50	8.39	0.04	6.33	0.30	0.04	19.82	5.96	0.06	bdl	100.18	0.85	G11
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-169	nd	41.85	0.31	17.47	7.86	0.03	6.18	0.32	bdl	20.03	5.77	0.09	bdl	99.94	0.83	G9
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-170	nd	41.42	0.20	18.78	7.03	0.08	6.41	0.38	0.01	20.48	4.82	0.03	bdl	99.65	0.82	G10
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-171	nd	41.44	0.02	16.82	10.05	0.02	6.76	0.49	bdl	20.25	4.46	0.02	0.01	100.35	0.82	G10D
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-172	nd	41.52	0.44	18.15	6.88	0.08	6.98	0.28	0.08	19.24	6.17	0.05	0.02	99.88	0.85	G11
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-173	nd	41.24	0.07	19.05	7.10	bdl	6.94	0.38	0.05	18.46	6.63	0.04	bdl	99.97	0.82	G9
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-175	nd	41.77	0.37	18.17	7.15	0.09	7.30	0.45	bdl	19.09	6.01	0.06	0.02	100.50	0.83	G9
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-176	nd	41.88	0.01	19.46	7.02	0.13	7.41	0.52	0.02	19.67	5.13	0.01	bdl	101.28	0.83	G10
Horn Plateau	085L_2005_2112	0.25 - 0.5	21740-177	nd	42.03	0.31	21.14	3.67	bdl	7.28	0.34	0.01	20.52	4.95	0.01	0.02	100.29	0.80	G9
Horn Plateau	085L_2005_2206	0.25 - 0.5	21740-178	nd	41.52	0.26	20.93	4.28	0.05	8.58	0.53	bdl	18.50	5.62	0.04	bdl	100.34	0.83	G9
Horn Plateau	085L_2005_2206	0.25 - 0.5	21740-179	nd	41.41	0.32	17.77	7.42	0.13	6.87	0.27	0.07	19.54	6.15	0.04	bdl	100.01	0.77	G9
Horn Plateau	085L_2005_2106	0.25 - 0.5	21740-181	nd	41.69	0.28	19.39	6.07	0.03	8.21	0.49	0.01	19.60	5.02	0.04	bdl	100.85	0.83	G9
Horn Plateau	085L_2005_2106	0.25 - 0.5	21740-182	nd	41.10	0.17	15.31	11.61	0.03	6.79	0.42	0.04	17.44	7.92	0.02	0.01	100.87	0.84	G9
Horn Plateau	085L_2005_2106	0.25 - 0.5	21740-183	nd	41.57	0.45	19.02	6.58	0.02	6.99	0.45	0.01	19.80	5.55	0.07	0.00	100.50	0.85	G11
Horn Plateau	085L_2005_2106	0.25 - 0.5	21740-184	nd	40.76	0.23	20.54	4.09	0.06	7.54	0.26	0.02	19.78	4.82	bdl	0.01	98.12	0.80	G11
Horn Plateau	085L_2005_2113	0.25 - 0.5	21740-185	nd	40.63	0.14	17.10	9.19	0.08	6.76	0.37	0.03	19.15	6.42	0.03	bdl	99.91	0.81	G9
Horn Plateau	085L_2005_2113	0.25 - 0.5	21740-186	nd	41.75	0.09	20.27	4.90	0.04	7.34	0.41	0.03	20.11	5.49	bdl	0.04	100.50	0.82	G9
Horn Plateau	085L_2005_2114	0.25 - 0.5	21740-187	nd	41.20	0.09	18.65	7.96	0.10	8.24	0.48	0.01	17.37	7.26	0.02	bdl	101.37	0.82	G9
Horn Plateau	085L_2005_2114	0.25 - 0.5	21740-188	nd	41.19	0.24	18.95	6.88	bdl	6.45	0.36	bdl	20.13	5.86	0.01	bdl	100.09	0.81	G9
Horn Plateau	085L_2005_2114	0.25 - 0.5	21740-189	nd	40.99	0.36	17.99	7.50	bdl	7.04	0.38	bdl	19.40	5.83	0.08	bdl	99.61	0.82	G9
Horn Plateau	085L_2005_2114	0.25 - 0.5	21740-190	nd	41.00	0.01	19.30	6.66	0.15	6.77	0.33	bdl	19.52	6.13	bdl	0.01	99.91	0.80	G9
Horn Plateau	085L_2005_2114	0.25 - 0.5	21740-191	nd	41.33	0.09	20.96	3.99	0.08	8.15	0.52	0.07	19.10	5.32	bdl	bdl	99.63	0.84	G9
Horn Plateau	085L_2005_2114	0.25 - 0.5	21740-192	nd	40.56	0.31	19.21	5.66	0.05	7.74	0.29	bdl	19.39	5.71	0.02	0.00	98.95	0.85	G9
Horn Plateau	085L_2005_2114	0.25 - 0.5	21740-193	nd	41.30	0.02	21.32	4.07	0.04	7.32	0.31	0.06	21.82	2.83	bdl	bdl	99.11	0.84	G10D

Horn Plateau	085L_2005_2114	0.25 - 0.5	21740-194	nd	41.16	0.01	20.50	5.08	0.06	7.82	0.37	bdl	18.82	5.99	0.05	bdl	99.89	0.84	G9
Horn Plateau	085L_2005_2114	0.25 - 0.5	21740-195	nd	41.50	0.07	17.90	8.09	0.09	6.26	0.23	0.02	19.96	6.20	0.02	bdl	100.35	0.82	G9
Horn Plateau	085L_2005_2114	0.25 - 0.5	21740-196	nd	41.17	0.40	16.50	9.58	0.08	7.04	0.37	bdl	18.76	6.74	0.05	bdl	100.70	0.83	G11
Horn Plateau	085L_2005_2114	0.25 - 0.5	21740-197	nd	40.95	0.04	14.12	13.87	0.05	6.60	0.42	bdl	20.84	3.87	bdl	bdl	100.79	0.82	G11
Horn Plateau	085L_2005_2115	0.25 - 0.5	21740-198	nd	41.57	0.10	17.82	8.20	0.14	7.21	0.40	0.04	19.17	6.51	0.04	bdl	101.20	0.80	G9
Horn Plateau	085L_2005_2115	0.25 - 0.5	21740-199	nd	41.59	0.20	18.76	7.10	0.06	6.96	0.35	0.05	19.72	6.27	0.02	0.01	101.10	0.83	G9
Horn Plateau	085L_2005_2115	0.25 - 0.5	21740-200	nd	41.23	0.43	18.63	6.74	bdl	7.10	0.46	bdl	19.80	5.88	0.09	bdl	100.40	0.81	G11
Horn Plateau	085L_2005_2115	0.25 - 0.5	21740-201	nd	40.84	0.04	18.59	7.65	0.11	7.76	0.47	0.04	17.64	6.86	0.01	bdl	100.00	0.84	G9
Horn Plateau	085L_2005_2115	0.25 - 0.5	21740-202	nd	41.14	0.15	19.87	5.98	0.15	7.93	0.40	0.03	18.71	6.07	0.00	bdl	100.43	0.82	G11
Horn Plateau	085L_2005_2115	0.25 - 0.5	21740-203	nd	40.54	bdl	17.90	8.28	bdl	6.55	0.33	bdl	19.47	5.54	bdl	bdl	98.66	0.84	G9
Horn Plateau	085L_2005_2116	0.25 - 0.5	21740-205	nd	41.91	0.20	21.59	3.29	0.07	6.59	0.36	bdl	20.91	4.51	0.04	bdl	99.49	0.85	G9
Horn Plateau	085L_2005_2118	0.25 - 0.5	21740-207	nd	41.23	0.06	16.26	10.08	0.08	7.01	0.42	0.07	18.05	6.77	0.01	0.02	100.05	0.81	G11
Horn Plateau	085L_2005_2118	0.25 - 0.5	21740-208	nd	42.05	0.31	21.50	3.68	0.09	7.12	0.34	0.01	20.83	5.06	0.02	0.03	101.05	0.83	G9
Horn Plateau	085L_2005_2118	0.25 - 0.5	21740-209	nd	42.16	bdl	21.31	4.66	bdl	6.58	0.32	0.07	22.49	2.49	bdl	0.02	100.13	0.80	G10D
Horn Plateau	085L_2005_2130	0.25 - 0.5	21740-210	nd	41.16	0.23	17.40	8.46	bdl	6.57	0.39	bdl	19.28	6.58	0.04	bdl	100.14	0.83	G9
Horn Plateau	085L_2005_2130	0.25 - 0.5	21740-211	nd	40.55	0.27	15.07	11.40	0.17	6.64	0.30	bdl	18.02	7.60	0.03	0.01	100.07	0.82	G9
Horn Plateau	085L_2005_2130	0.25 - 0.5	21740-212	nd	41.06	0.02	18.77	6.94	0.07	7.88	0.42	bdl	18.22	6.63	bdl	bdl	100.05	0.83	G9
Horn Plateau	085L_2005_2130	0.25 - 0.5	21740-214	nd	40.66	0.30	18.34	7.17	bdl	8.22	0.51	0.02	17.74	6.83	0.03	0.03	99.85	0.80	G9
Horn Plateau	085L_2005_2130	0.25 - 0.5	21740-215	nd	41.79	0.44	19.39	5.27	0.07	8.64	0.46	0.03	19.06	5.64	0.01	bdl	100.81	0.84	G11
Horn Plateau	085L_2005_2130	0.25 - 0.5	21740-216	nd	41.67	0.50	19.49	5.56	0.15	7.80	0.30	0.01	19.75	5.41	0.07	bdl	100.70	0.84	G11
Horn Plateau	085L_2005_2130	0.25 - 0.5	21740-217	nd	41.30	0.03	20.06	5.67	0.06	7.93	0.57	bdl	20.85	3.17	bdl	0.02	99.70	0.84	G10
Horn Plateau	085L_2005_2131	0.25 - 0.5	21740-218	nd	41.42	0.31	18.96	6.18	0.04	6.42	0.26	0.06	20.02	5.70	0.03	bdl	99.42	0.83	G9
Horn Plateau	085L_2005_2131	0.25 - 0.5	21740-220	nd	40.56	0.33	17.54	7.92	0.08	6.79	0.43	bdl	19.03	6.17	0.03	bdl	98.90	0.83	G11
Horn Plateau	085L_2005_2131	0.25 - 0.5	21740-221	nd	40.52	0.25	18.23	7.47	0.10	6.50	0.44	bdl	19.52	5.88	0.04	0.00	98.98	0.76	G9
Horn Plateau	085L_2005_2131	0.25 - 0.5	21740-222	nd	40.72	0.16	16.37	10.02	0.15	6.77	0.31	0.06	19.45	5.84	0.01	bdl	99.86	0.77	G10D
Horn Plateau	085L_2005_2131	0.25 - 0.5	21740-223	nd	41.06	0.12	19.31	6.23	0.07	7.34	0.43	0.03	19.38	5.19	0.01	bdl	99.18	0.81	G11
Horn Plateau	085L_2005_2131	0.25 - 0.5	21740-224	nd	41.33	0.04	19.52	6.26	0.06	7.40	0.36	0.09	19.48	5.69	bdl	0.04	100.29	0.77	G9
Horn Plateau	085L_2005_2131	0.25 - 0.5	21740-225	nd	41.49	0.03	20.01	5.65	bdl	8.09	0.53	bdl	19.76	4.27	0.01	bdl	99.86	0.81	G10
Horn Plateau	085L_2005_2131	0.25 - 0.5	21740-226	nd	41.01	0.14	19.65	6.03	0.02	6.63	0.42	bdl	20.37	5.16	0.01	bdl	99.45	0.82	G9
Horn Plateau	085L_2005_2131	0.25 - 0.5	21740-227	nd	41.12	0.07	17.92	8.20	0.18	7.39	0.44	0.02	18.76	5.89	0.01	0.00	99.99	0.85	G9
Horn Plateau	085L_2005_2131	0.25 - 0.5	21740-228	nd	41.34	0.00	18.39	7.91	0.05	7.25	0.49	0.07	18.69	5.98	0.03	0.01	100.21	0.83	G9
Horn Plateau	085L_2005_2131	0.25 - 0.5	21740-229	nd	41.58	0.45	17.66	7.70	0.10	6.93	0.33	0.00	19.01	6.01	0.08	bdl	99.87	0.81	G11
Horn Plateau	085L_2005_2133	0.25 - 0.5	21740-230	nd	41.27	0.16	18.45	7.51	bdl	6.80	0.31	bdl	19.95	5.65	0.04	0.00	100.14	0.82	G9
Horn Plateau	085L_2005_2133	0.25 - 0.5	21740-231	nd	41.75	0.08	22.12	2.67	0.04	8.37	0.40	0.02	19.28	4.76	0.05	bdl	99.55	0.82	G9
Horn Plateau	085L_2005_2133	0.25 - 0.5	21740-232	nd	41.15	0.19	19.85	5.55	0.01	8.56	0.54	0.01	18.42	6.00	0.09	0.01	100.38	0.84	G9
Horn Plateau	085L_2005_2133	0.25 - 0.5	21740-233	nd	41.64	0.04	20.97	4.50	0.05	7.42	0.42	bdl	20.32	4.28	0.02	0.01	99.68	0.81	G10
Horn Plateau	085L_2005_2133	0.25 - 0.5	21740-234	nd	41.17	0.47	18.36	7.10	0.06	7.05	0.44	0.00	19.78	5.62	0.08	bdl	100.14	0.83	G11
Horn Plateau	085L_2005_2133	0.25 - 0.5	21740-235	nd	41.54	0.05	18.49	8.02	bdl	6.49	0.41	0.03	20.19	5.42	0.01	bdl	100.67	0.83	G9
Horn Plateau	085L_2005_2133	0.25 - 0.5	21740-236	nd	40.42	0.68	18.95	5.30	0.06	7.89	0.33	0.07	19.19	6.05	0.04	0.01	99.01	0.84	G11
Horn Plateau	085L_2005_2133	0.25 - 0.5	21740-237	nd	41.46	bdl	19.73	6.27	bdl	7.73	0.45	0.00	19.20	5.49	bdl	bdl	100.38	0.83	G9
Horn Plateau	085L_2005_2133	0.25 - 0.5	21740-238	nd	41.67	0.65	19.39	4.52	bdl	7.97	0.29	0.04	19.42	5.58	0.02	0.01	99.57	0.74	G11
Horn Plateau	085L_2005_2133	0.25 - 0.5	21740-239	nd	40.57	0.49	18.72	6.25	0.17	7.16	0.40	0.08	19.51	5.56	0.03	0.01	98.96	0.81	G11
Horn Plateau	085L_2005_2134	0.25 - 0.5	21740-240	nd	40.88	0.25	16.78	9.22	bdl	6.44	0.35	bdl	19.21	6.56	0.05	0.03	99.78	0.84	G9
Horn Plateau	085K_2005_2149	0.25 - 0.5	21740-241	nd	40.71	0.00	19.62	6.08	0.08	7.81	0.51	0.04	18.17	6.86	bdl	0.01	99.91	0.83	G9
Horn Plateau	085L_2005_2152	0.25 - 0.5	21740-242	nd	40.30	0.07	20.06	5.26	bdl	7.79	0.45	0.03	19.46	4.88	bdl	bdl	98.34	0.84	G9

Horn Plateau	085L_2005_2153	0.25 - 0.5	21740-243	nd	40.67	0.33	17.47	8.34	0.13	7.45	0.44	bdl	18.76	6.08	0.07	bdl	99.76	0.85	G9
Horn Plateau	085L_2005_2153	0.25 - 0.5	21740-244	nd	41.07	0.16	20.77	3.99	bdl	8.20	0.35	0.03	19.10	5.75	0.08	0.01	99.52	0.82	G11
Horn Plateau	085L_2005_2153	0.25 - 0.5	21740-246	nd	40.89	0.15	16.59	10.05	0.19	6.92	0.46	0.01	19.21	5.93	0.01	bdl	100.42	0.84	G9
Horn Plateau	085L_2005_2153	0.25 - 0.5	21740-247	nd	41.30	0.47	19.87	4.90	bdl	7.34	0.44	bdl	19.80	5.04	0.03	0.00	99.22	0.83	G11
Horn Plateau	085L_2005_2153	0.25 - 0.5	21740-248	nd	40.54	bdl	16.84	9.16	0.04	8.06	0.47	0.11	17.87	6.67	0.03	bdl	99.79	0.83	G9
Horn Plateau	085L_2005_2153	0.25 - 0.5	21740-249	nd	41.79	0.34	20.78	4.23	bdl	6.60	0.29	0.07	20.74	4.92	0.08	bdl	99.86	0.83	G9
Horn Plateau	085L_2005_2153	0.25 - 0.5	21740-250	nd	40.38	0.12	18.07	7.99	0.02	7.20	0.50	bdl	17.48	7.40	0.04	bdl	99.22	0.82	G12
Horn Plateau	085L_2005_2156	0.25 - 0.5	21740-252	nd	40.84	0.54	19.09	5.71	0.06	6.59	0.29	bdl	20.24	5.39	0.02	0.01	98.79	0.80	G11
Horn Plateau	085L_2005_2160	0.25 - 0.5	21740-253	nd	41.25	0.03	20.34	5.06	bdl	7.43	0.44	0.07	19.36	5.70	0.00	bdl	99.70	0.86	G9
Horn Plateau	085L_2005_2160	0.25 - 0.5	21740-254	nd	41.45	0.35	18.15	7.60	0.04	7.06	0.42	0.01	19.33	5.91	0.08	bdl	100.39	0.82	G9
Horn Plateau	085L_2005_2164	0.25 - 0.5	21740-255	nd	41.79	0.46	18.92	6.27	0.06	6.96	0.31	0.01	20.30	5.20	0.10	bdl	100.38	0.85	G11
Horn Plateau	085L_2005_2164	0.25 - 0.5	21740-256	nd	40.91	0.03	21.40	3.48	bdl	8.35	0.43	bdl	19.46	5.06	0.03	0.00	99.18	0.80	G9
Horn Plateau	085L_2005_2169	0.25 - 0.5	21740-257	nd	40.85	0.28	15.36	10.32	0.06	7.15	0.24	0.04	18.03	7.26	0.02	bdl	99.63	0.83	G9
Horn Plateau	085L_2005_2169	0.25 - 0.5	21740-258	nd	40.95	0.03	19.58	6.23	0.14	7.66	0.48	0.06	18.89	5.94	0.04	bdl	99.99	0.84	G9
Horn Plateau	085L_2005_2169	0.25 - 0.5	21740-259	nd	40.79	0.08	16.51	10.02	0.13	7.53	0.56	0.06	18.74	5.60	bdl	bdl	100.04	0.81	G11
Horn Plateau	085L_2005_2169	0.25 - 0.5	21740-260	nd	41.30	0.08	21.02	4.21	0.03	8.38	0.40	0.02	18.65	5.56	bdl	bdl	99.68	0.84	G11
Horn Plateau	085L_2005_2169	0.25 - 0.5	21740-261	nd	40.64	0.16	18.36	7.07	0.13	8.02	0.47	bdl	18.04	6.74	0.01	bdl	99.66	0.82	G9
Horn Plateau	085L_2005_2169	0.25 - 0.5	21740-263	nd	40.98	0.31	16.78	9.77	0.06	6.60	0.38	0.04	19.49	6.39	0.05	bdl	100.86	0.80	G9
Horn Plateau	085L_2005_2169	0.25 - 0.5	21740-264	nd	39.16	0.19	14.35	11.42	0.16	7.60	0.48	0.04	13.61	12.68	0.07	bdl	99.78	0.84	G12
Horn Plateau	085L_2005_2169	0.25 - 0.5	21740-265	nd	41.00	0.00	16.76	9.65	bdl	6.74	0.44	bdl	19.70	5.10	bdl	0.01	99.44	0.84	G10
Horn Plateau	085E_2005_2176	0.25 - 0.5	21740-266	nd	41.12	0.09	18.56	7.62	bdl	7.63	0.52	bdl	17.29	7.88	bdl	0.00	100.75	0.80	G11
Horn Plateau	085E_2005_2176	0.25 - 0.5	21740-267	nd	41.19	0.30	18.29	7.55	0.01	7.02	0.38	bdl	19.99	5.13	0.10	0.03	99.99	0.79	G10
Horn Plateau	085E_2005_2176	0.25 - 0.5	21740-268	nd	40.99	0.39	19.71	5.67	0.02	7.33	0.33	bdl	19.86	5.30	0.05	bdl	99.68	0.81	G9
Horn Plateau	085L_2005_2193	0.25 - 0.5	21740-269	nd	41.96	0.04	21.23	3.81	0.05	8.44	0.46	bdl	19.34	5.23	0.02	0.03	100.63	0.84	G11
Horn Plateau	085L_2005_2194	0.25 - 0.5	21740-271	nd	40.96	0.20	17.06	8.71	0.03	6.73	0.39	0.01	19.50	6.19	0.01	bdl	99.81	0.83	G9
Horn Plateau	085L_2005_2194	0.25 - 0.5	21740-273	nd	40.66	0.13	15.66	11.06	bdl	6.37	0.34	0.01	19.02	6.38	0.06	bdl	99.72	0.84	G9
Horn Plateau	085L_2005_2196	0.25 - 0.5	21740-275	nd	41.51	0.01	19.67	5.99	bdl	7.46	0.33	0.05	20.86	3.97	0.04	0.02	99.93	0.83	G10D
Horn Plateau	085L_2005_2196	0.25 - 0.5	21740-276	nd	41.34	0.47	19.37	5.37	bdl	7.41	0.36	0.06	19.86	5.57	0.03	bdl	99.88	0.81	G11
Horn Plateau	085L_2005_2196	0.25 - 0.5	21740-278	nd	41.28	0.03	19.05	7.19	0.04	7.42	0.41	bdl	19.92	4.56	bdl	bdl	99.95	0.85	G10
Horn Plateau	085L_2005_2196	0.25 - 0.5	21740-279	nd	41.35	0.05	21.09	4.05	bdl	7.19	0.33	0.06	20.83	4.63	0.06	bdl	99.65	0.84	G9
Horn Plateau	085L_2005_2196	0.25 - 0.5	21740-280	nd	41.07	0.27	20.37	4.37	bdl	7.43	0.38	0.02	19.86	4.75	0.05	bdl	98.58	0.84	G9
Horn Plateau	085L_2005_2199	0.25 - 0.5	21740-281	nd	41.91	0.19	20.99	3.73	0.05	7.30	0.30	bdl	20.48	4.78	0.04	bdl	99.80	0.80	G9
Horn Plateau	085L_2005_2199	0.25 - 0.5	21740-282	nd	39.95	0.02	18.15	8.01	0.06	7.07	0.53	bdl	19.82	4.42	0.01	bdl	98.06	0.82	G10
Horn Plateau	085L_2005_2199	0.25 - 0.5	21740-283	nd	40.88	0.05	17.23	8.79	bdl	7.56	0.56	0.04	18.35	6.37	0.02	0.02	99.89	0.81	G9
Horn Plateau	085L_2005_2199	0.25 - 0.5	21740-284	nd	41.32	0.25	20.26	4.54	0.08	7.19	0.40	0.05	20.17	5.07	0.08	bdl	99.41	0.82	G9
Horn Plateau	085L_2005_2199	0.25 - 0.5	21740-285	nd	40.78	0.19	16.67	9.61	0.11	6.94	0.28	bdl	18.86	6.65	0.04	0.02	100.16	0.85	G11
Horn Plateau	085L_2005_2200	0.25 - 0.5	21740-286	nd	40.43	0.01	19.42	6.48	0.13	7.90	0.35	bdl	17.51	7.04	0.01	bdl	99.30	0.80	G12
Horn Plateau	085L_2005_2202	0.25 - 0.5	21740-287	nd	40.83	0.05	17.85	8.21	0.17	8.26	0.58	0.04	17.19	7.54	bdl	0.01	100.73	0.81	G12
Horn Plateau	085L_2005_2202	0.25 - 0.5	21740-288	nd	39.79	bdl	15.28	11.04	0.06	9.28	0.68	0.02	14.72	9.28	0.05	bdl	100.23	0.80	G12
Horn Plateau	085L_2005_2202	0.25 - 0.5	21740-289	nd	40.77	0.23	15.83	10.35	0.15	6.79	0.43	bdl	18.88	6.70	0.07	bdl	100.22	0.80	G11
Horn Plateau	085L_2005_2204	0.25 - 0.5	21740-290	nd	41.61	0.12	22.26	2.46	0.03	8.93	0.43	bdl	19.58	4.82	0.01	bdl	100.27	0.80	G9
Horn Plateau	085L_2005_2204	0.25 - 0.5	21740-291	nd	41.50	0.60	20.41	4.05	0.08	8.45	0.31	bdl	18.26	6.64	0.09	0.04	100.44	0.84	G11
Horn Plateau	085L_2005_2207	0.25 - 0.5	21740-292	nd	40.78	0.55	16.41	9.64	0.08	6.64	0.38	bdl	19.08	6.39	0.10	bdl	100.07	0.84	G11
Horn Plateau	085L_2005_2207	0.25 - 0.5	21740-293	nd	40.98	0.28	17.58	8.47	0.17	6.35	0.33	0.06	19.51	6.36	0.04	0.00	100.13	0.84	G9
Horn Plateau	085L_2005_2207	0.25 - 0.5	21740-294	nd	41.04	0.16	19.96	4.87	0.08	8.50	0.64	bdl	19.16	4.87	0.05	bdl	99.33	0.83	G9

Horn Plateau	085L_2005_2209	0.25 - 0.5	21740-295	nd	41.28	0.26	20.04	4.96	0.01	7.61	0.41	bdl	20.04	5.19	0.08	bdl	99.91	0.82	G9
Horn Plateau	085L_2005_2215	0.25 - 0.5	21740-296	nd	43.28	0.36	21.70	4.88	0.04	8.02	0.30	bdl	20.93	5.08	0.08	0.01	104.68	0.82	G9
Horn Plateau	085L_2005_2215	0.25 - 0.5	21740-297	nd	41.63	0.18	21.40	3.41	0.05	7.36	0.44	0.09	20.57	4.67	0.05	bdl	99.85	0.83	G9
Horn Plateau	085L_2005_2215	0.25 - 0.5	21740-298	nd	40.42	0.60	18.33	6.21	0.05	7.83	0.37	bdl	18.78	6.32	0.04	bdl	98.97	0.82	G11
Horn Plateau	085L_2005_2215	0.25 - 0.5	21740-299	nd	41.95	0.29	19.36	5.78	0.08	7.27	0.39	bdl	20.30	5.12	0.03	bdl	100.60	0.80	G9
Horn Plateau	085L_2005_1128	0.25 - 0.5	21740-301	nd	41.42	0.37	19.93	5.21	bdl	6.95	0.37	0.01	20.02	5.35	0.06	bdl	99.70	0.83	G9
Horn Plateau	085L_2005_1149	0.25 - 0.5	21741-017	nd	37.50	0.58	15.04	5.43	0.63	5.30	0.79	bdl	0.08	34.30	0.01	bdl	99.67	0.80	G11
Horn Plateau	095H_2005_1009	1.0 - 2.0	21745-002	nd	40.47	0.14	17.60	8.21	0.06	6.69	0.32	0.02	19.61	6.06	0.06	0.03	99.27	0.83	G9
Horn Plateau	095H_2005_2016	1.0 - 2.0	21745-003	nd	40.61	0.19	17.38	8.07	0.13	6.86	0.38	0.02	19.33	6.27	0.04	0.03	99.30	0.84	G9
Horn Plateau	095H_2005_1002	0.5 - 1.0	21745-005	nd	40.79	0.09	19.82	5.67	0.03	7.09	0.42	bdl	19.60	5.94	bdl	bdl	99.49	0.83	G9
Horn Plateau	095H_2005_1002	0.5 - 1.0	21745-006	nd	40.71	0.12	17.08	9.23	0.07	6.59	0.38	0.03	19.34	6.37	0.05	bdl	99.97	0.81	G9
Horn Plateau	095H_2005_1004	0.5 - 1.0	21745-007	nd	41.74	0.26	21.24	2.99	0.06	7.18	0.32	0.05	21.06	4.49	0.08	bdl	99.47	0.83	G9
Horn Plateau	095H_2005_1004	0.5 - 1.0	21745-008	nd	40.99	0.09	18.80	6.86	0.02	7.53	0.48	0.05	18.50	7.19	0.00	bdl	100.53	0.84	G12
Horn Plateau	095H_2005_1006	0.5 - 1.0	21745-009	nd	40.77	0.21	19.22	5.47	0.04	7.70	0.42	0.04	20.03	5.22	0.05	bdl	99.16	0.85	G9
Horn Plateau	095H_2005_1006	0.5 - 1.0	21745-010	nd	40.78	0.43	17.51	7.50	bdl	7.21	0.43	0.04	19.54	6.15	0.06	0.01	99.66	0.84	G11
Horn Plateau	095H_2005_1006	0.5 - 1.0	21745-011	nd	40.74	0.02	18.95	6.28	0.12	8.16	0.40	0.04	18.36	6.96	0.01	0.01	100.06	0.81	G9
Horn Plateau	095H_2005_1006	0.5 - 1.0	21745-012	nd	41.35	0.37	19.77	4.97	bdl	7.19	0.36	0.01	19.95	5.48	0.01	0.00	99.48	0.84	G9
Horn Plateau	095H_2005_1009	0.5 - 1.0	21745-013	nd	40.40	0.15	17.44	8.38	0.04	7.22	0.33	bdl	19.43	5.61	0.03	bdl	99.05	0.81	G9
Horn Plateau	095H_2005_1014	0.5 - 1.0	21745-014	nd	40.89	0.65	19.83	4.43	0.13	7.20	0.36	0.06	19.99	5.80	0.05	bdl	99.42	0.83	G11
Horn Plateau	095H_2005_1014	0.5 - 1.0	21745-015	nd	40.30	0.02	16.83	8.65	0.05	8.34	0.54	0.02	16.63	8.24	bdl	bdl	99.64	0.82	G12
Horn Plateau	095H_2005_1017	0.5 - 1.0	21745-016	nd	40.95	0.11	18.03	8.20	0.09	6.95	0.44	0.08	19.97	5.24	0.05	bdl	100.13	0.84	G10
Horn Plateau	095H_2005_1017	0.5 - 1.0	21745-017	nd	41.11	0.12	19.73	4.87	0.07	6.92	0.32	0.02	20.47	5.31	0.06	0.01	98.99	0.79	G9
Horn Plateau	095H_2005_1017	0.5 - 1.0	21745-018	nd	41.64	0.13	21.67	3.33	0.13	7.67	0.43	0.04	21.22	3.98	0.00	bdl	100.24	0.81	G10
Horn Plateau	095H_2005_1022	0.5 - 1.0	21745-019	nd	41.20	0.27	19.91	4.88	0.06	7.36	0.27	0.04	20.69	5.38	0.01	bdl	100.06	0.76	G9
Horn Plateau	095H_2005_1022	0.5 - 1.0	21745-020	nd	41.50	0.11	19.68	5.73	0.04	6.98	0.31	bdl	20.42	5.28	0.04	0.01	100.12	0.85	G11
Horn Plateau	095H_2005_1025	0.5 - 1.0	21745-021	nd	40.42	0.03	17.32	8.44	0.02	8.46	0.41	0.01	17.60	6.96	bdl	0.01	99.69	0.81	G9
Horn Plateau	095H_2005_2003	0.5 - 1.0	21745-023	nd	40.40	0.04	19.87	5.20	bdl	8.31	0.54	0.01	18.78	6.12	0.01	bdl	99.30	0.80	G9
Horn Plateau	095H_2005_2004	0.5 - 1.0	21745-025	nd	40.58	0.15	21.04	3.56	0.01	8.82	0.37	0.03	19.62	4.70	0.01	bdl	98.88	0.82	G9
Horn Plateau	095H_2005_2005	0.5 - 1.0	21745-026	nd	41.17	0.02	19.86	6.20	0.07	8.30	0.60	bdl	20.95	2.88	0.02	0.06	100.13	0.82	G10
Horn Plateau	095H_2005_2005	0.5 - 1.0	21745-027	nd	41.15	0.11	18.75	6.63	0.12	7.36	0.26	0.07	19.99	5.87	0.04	bdl	100.38	0.79	G9
Horn Plateau	095H_2005_2005	0.5 - 1.0	21745-028	nd	40.83	0.28	18.78	5.68	0.07	7.19	0.35	0.00	20.09	5.44	bdl	0.01	98.74	0.83	G9
Horn Plateau	095H_2005_2006	0.5 - 1.0	21745-029	nd	41.71	0.28	21.07	3.43	bdl	7.34	0.29	0.01	21.04	4.77	0.06	0.01	100.03	0.81	G9
Horn Plateau	095H_2005_2007	0.5 - 1.0	21745-030	nd	40.64	bdl	18.63	7.39	0.06	8.32	0.50	0.08	17.67	7.68	0.03	0.01	101.01	0.80	G12
Horn Plateau	095H_2005_2007	0.5 - 1.0	21745-031	nd	40.31	0.37	18.13	6.41	0.07	7.34	0.33	0.01	19.51	6.14	bdl	bdl	98.65	0.83	G9
Horn Plateau	095H_2005_2011	0.5 - 1.0	21745-033	nd	40.81	0.61	18.88	4.63	0.12	8.46	0.41	0.08	17.28	7.82	0.03	0.03	99.17	0.83	G11
Horn Plateau	095H_2005_2011	0.5 - 1.0	21745-034	nd	41.64	0.00	19.64	5.01	0.05	7.26	0.32	bdl	20.66	5.02	0.05	bdl	99.67	0.84	G9
Horn Plateau	095H_2005_2011	0.5 - 1.0	21745-035	nd	40.59	0.35	17.69	7.59	0.08	7.17	0.55	0.04	19.00	6.29	0.05	0.00	99.40	0.84	G9
Horn Plateau	095H_2005_2012	0.5 - 1.0	21745-036	nd	40.92	0.08	17.78	8.33	0.01	6.73	0.39	0.11	20.30	5.32	0.02	0.01	99.99	0.85	G10
Horn Plateau	095H_2005_2012	0.5 - 1.0	21745-037	nd	41.26	0.25	20.06	5.11	0.03	6.38	0.38	0.03	20.90	5.31	bdl	bdl	99.74	0.82	G9
Horn Plateau	095H_2005_2012	0.5 - 1.0	21745-038	nd	41.27	0.25	18.17	7.43	0.11	6.62	0.36	0.01	19.87	5.84	0.01	bdl	99.94	0.81	G9
Horn Plateau	095H_2005_2013	0.5 - 1.0	21745-039	nd	41.56	0.34	21.17	3.17	0.07	7.75	0.39	bdl	20.37	4.80	0.07	bdl	99.71	0.84	G9
Horn Plateau	095H_2005_2016	0.5 - 1.0	21745-040	nd	40.35	0.24	16.86	8.87	0.03	6.91	0.33	0.02	19.26	6.10	0.04	0.01	99.03	0.79	G9
Horn Plateau	095H_2005_2016	0.5 - 1.0	21745-041	nd	40.76	0.04	19.42	6.02	0.04	7.38	0.41	bdl	18.97	6.68	0.00	bdl	99.75	0.84	G9
Horn Plateau	095H_2005_2016	0.5 - 1.0	21745-042	nd	41.43	0.30	20.31	4.67	0.02	7.29	0.48	bdl	20.32	4.94	0.07	0.02	99.88	0.79	G9
Horn Plateau	095H_2005_2016	0.5 - 1.0	21745-043	nd	40.94	0.26	20.35	4.48	0.09	7.07	0.28	0.03	20.73	4.90	0.05	bdl	99.19	0.80	G9

Horn Plateau	095H_2005_2016	0.5 - 1.0	21745-044	nd	40.98	0.15	16.93	8.62	bdl	6.99	0.42	0.09	19.21	6.04	0.03	0.01	99.48	0.78	G9
Horn Plateau	095I_2005_2010	0.5 - 1.0	21745-045	nd	40.89	0.03	19.45	6.39	0.09	7.33	0.44	0.01	20.67	4.10	0.00	0.01	99.40	0.83	G10
Horn Plateau	095I_2005_2015	0.5 - 1.0	21745-046	nd	40.80	0.36	16.92	8.64	bdl	6.66	0.47	bdl	20.21	5.81	0.05	bdl	99.95	0.84	G11
Horn Plateau	095I_2005_2019	0.5 - 1.0	21745-047	nd	39.83	0.06	16.78	8.46	0.04	7.58	0.51	0.06	18.42	6.83	0.04	0.01	98.62	0.86	G11
Horn Plateau	095I_2005_2029	0.5 - 1.0	21745-048	nd	41.36	0.09	19.36	5.55	0.09	6.59	0.29	0.03	20.28	5.24	0.03	bdl	98.92	0.84	G9
Horn Plateau	095I_2005_2029	0.5 - 1.0	21745-049	nd	40.56	0.05	17.53	8.44	0.05	7.69	0.52	bdl	19.14	5.97	0.05	bdl	100.03	0.85	G9
Horn Plateau	095I_2005_2032	0.5 - 1.0	21745-050	nd	41.11	0.24	19.04	5.92	0.07	7.41	0.44	0.03	20.28	5.12	0.06	bdl	99.74	0.80	G9
Horn Plateau	095I_2005_2032	0.5 - 1.0	21745-051	nd	41.35	0.13	17.58	7.47	0.08	6.95	0.31	0.00	19.74	6.18	0.03	bdl	99.83	0.81	G9
Horn Plateau	095I_2005_2034	0.5 - 1.0	21745-052	nd	40.87	0.07	20.67	4.81	bdl	7.97	0.36	0.01	18.96	6.12	bdl	bdl	99.88	0.83	G9
Horn Plateau	095I_2005_2034	0.5 - 1.0	21745-053	nd	40.35	0.43	17.35	7.82	0.02	6.80	0.23	bdl	19.48	6.16	0.06	0.01	98.71	0.84	G11
Horn Plateau	095I_2005_2037	0.5 - 1.0	21745-054	nd	41.32	0.32	20.16	3.99	0.05	6.78	0.36	0.03	21.21	4.57	0.02	bdl	98.82	0.84	G9
Horn Plateau	095I_2005_2040	0.5 - 1.0	21745-055	nd	41.46	0.51	20.63	3.64	0.01	6.66	0.32	0.05	21.22	4.91	0.03	bdl	99.45	0.83	G11
Horn Plateau	095I_2005_2044	0.5 - 1.0	21745-056	nd	41.01	0.11	18.15	6.95	0.08	6.57	0.28	bdl	20.60	5.47	0.02	bdl	99.24	0.84	G9
Horn Plateau	095I_2005_2044	0.5 - 1.0	21745-057	nd	41.16	0.37	19.05	5.46	bdl	7.57	0.41	bdl	19.60	5.68	0.08	bdl	99.41	0.84	G9
Horn Plateau	095I_2005_2054	0.5 - 1.0	21745-058	nd	41.47	0.32	20.46	4.42	0.04	6.59	0.41	0.11	21.19	4.52	0.09	bdl	99.63	0.79	G9
Horn Plateau	095I_2005_2054	0.5 - 1.0	21745-059	nd	40.53	0.34	19.42	5.74	0.04	6.79	0.37	0.03	20.73	5.11	0.06	bdl	99.16	0.82	G11
Horn Plateau	095I_2005_2054	0.5 - 1.0	21745-060	nd	41.70	0.34	20.55	4.00	0.07	7.10	0.31	0.08	21.10	4.63	0.02	bdl	99.92	0.84	G9
Horn Plateau	095I_2005_2068	0.5 - 1.0	21745-061	nd	41.34	0.02	19.90	5.56	0.03	7.67	0.40	0.08	20.64	3.91	bdl	0.01	99.57	0.83	G10
Horn Plateau	095I_2005_2075	0.5 - 1.0	21745-062	nd	40.79	0.10	16.67	9.29	0.08	6.43	0.51	0.03	18.88	6.69	bdl	bdl	99.48	0.79	G9
Horn Plateau	095I_2005_2077	0.5 - 1.0	21745-064	nd	41.09	0.18	20.74	3.72	0.06	7.68	0.44	bdl	20.52	4.81	0.05	bdl	99.31	0.83	G9
Horn Plateau	095I_2005_2077	0.5 - 1.0	21745-065	nd	40.06	0.06	17.24	8.71	0.09	7.16	0.47	0.01	17.51	7.75	0.01	bdl	99.06	0.82	G12
Horn Plateau	095I_2005_2077	0.5 - 1.0	21745-066	nd	40.74	0.04	19.80	5.36	0.06	8.36	0.43	0.04	18.69	5.99	0.02	bdl	99.54	0.81	G9
Horn Plateau	095I_2005_2080	0.5 - 1.0	21745-067	nd	41.26	0.09	21.14	3.46	0.01	8.63	0.41	bdl	18.94	5.96	bdl	0.03	99.95	0.80	G9
Horn Plateau	095I_2005_2083	0.5 - 1.0	21745-068	nd	40.91	0.28	19.63	5.55	0.01	7.24	0.40	0.06	20.49	5.27	0.07	bdl	99.93	0.84	G9
Horn Plateau	095I_2005_2085	0.5 - 1.0	21745-069	nd	40.40	0.05	18.12	7.54	0.08	8.07	0.43	0.06	17.32	7.65	0.04	bdl	99.77	0.81	G12
Horn Plateau	095I_2005_2087	0.5 - 1.0	21745-070	nd	40.76	0.02	19.40	6.60	bdl	8.51	0.63	0.01	18.13	6.85	bdl	bdl	100.95	0.83	G9
Horn Plateau	095I_2005_2087	0.5 - 1.0	21745-071	nd	41.31	0.30	19.69	5.31	0.06	7.81	0.46	bdl	19.72	5.97	0.04	bdl	100.68	0.85	G9
Horn Plateau	095H_2005_1002	0.25 - 0.5	21746-001	nd	41.15	0.05	18.42	8.09	0.12	7.91	0.40	bdl	17.32	8.03	0.04	bdl	101.55	0.85	G12
Horn Plateau	095H_2005_1002	0.25 - 0.5	21746-002	nd	42.15	0.04	20.65	4.65	0.06	7.39	0.44	0.03	19.36	5.56	bdl	bdl	100.35	0.83	G9
Horn Plateau	095H_2005_1002	0.25 - 0.5	21746-003	nd	41.82	0.19	19.16	6.81	0.03	7.00	0.45	0.07	19.80	5.67	0.01	bdl	101.01	0.85	G9
Horn Plateau	095H_2005_1003	0.25 - 0.5	21746-004	nd	41.19	0.06	20.67	4.84	0.06	8.22	0.46	0.03	18.82	5.55	0.03	0.01	99.93	0.83	G9
Horn Plateau	095H_2005_1003	0.25 - 0.5	21746-005	nd	41.75	0.39	19.82	4.58	0.03	7.33	0.39	0.02	20.27	5.33	0.04	0.00	99.97	0.80	G11
Horn Plateau	095H_2005_1004	0.25 - 0.5	21746-006	nd	41.54	0.11	20.46	5.28	0.06	7.00	0.29	0.01	20.35	5.35	0.02	0.00	100.45	0.84	G9
Horn Plateau	095H_2005_1004	0.25 - 0.5	21746-007	nd	41.28	0.03	17.83	8.16	0.13	8.09	0.55	bdl	16.87	8.02	0.03	0.00	101.02	0.83	G12
Horn Plateau	095H_2005_1004	0.25 - 0.5	21746-008	nd	42.19	0.35	21.95	2.31	0.01	7.73	0.40	0.05	21.10	4.45	0.06	bdl	100.62	0.81	G9
Horn Plateau	095H_2005_1004	0.25 - 0.5	21746-009	nd	41.75	0.12	17.68	8.54	0.06	6.48	0.36	0.08	19.49	6.39	0.02	bdl	100.98	0.81	G9
Horn Plateau	095H_2005_1006	0.25 - 0.5	21746-010	nd	41.09	0.07	18.09	8.02	bdl	7.93	0.46	0.01	17.37	7.77	0.02	bdl	100.86	0.79	G12
Horn Plateau	095H_2005_1006	0.25 - 0.5	21746-012	nd	42.08	0.09	22.35	2.20	bdl	8.89	0.30	bdl	19.73	4.86	0.05	0.00	100.58	0.79	G9
Horn Plateau	095H_2005_1006	0.25 - 0.5	21746-014	nd	41.75	0.05	17.79	8.41	0.06	7.39	0.49	bdl	17.74	7.70	0.01	bdl	101.42	0.81	G12
Horn Plateau	095H_2005_1006	0.25 - 0.5	21746-015	nd	42.64	0.13	22.73	2.52	0.08	6.90	0.32	bdl	21.05	4.30	0.04	bdl	100.75	0.81	G9
Horn Plateau	095H_2005_1006	0.25 - 0.5	21746-017	nd	40.67	0.01	19.01	7.23	0.02	8.20	0.45	0.00	17.67	6.68	0.01	0.01	99.96	0.79	G9
Horn Plateau	095H_2005_1006	0.25 - 0.5	21746-018	nd	40.85	0.17	18.76	6.74	0.03	6.82	0.30	0.03	20.06	5.65	0.03	bdl	99.45	0.83	G9
Horn Plateau	095H_2005_1006	0.25 - 0.5	21746-019	nd	40.85	0.06	19.25	5.42	0.10	9.35	0.62	bdl	17.13	6.74	0.04	bdl	99.58	0.85	G9
Horn Plateau	095H_2005_1006	0.25 - 0.5	21746-020	nd	41.73	0.62	18.64	5.80	0.06	7.29	0.36	bdl	20.06	5.77	0.02	0.03	100.39	0.85	G11
Horn Plateau	095H_2005_1006	0.25 - 0.5	21746-021	nd	41.19	0.08	20.23	5.13	bdl	8.37	0.61	bdl	18.75	6.09	0.05	bdl	100.52	0.84	G9

Horn Plateau	095H_2005_1009	0.25 - 0.5	21746-022	nd	41.89	0.31	21.09	3.84	0.07	7.52	0.38	0.03	20.30	4.67	0.03	bdl	100.13	0.82	G9
Horn Plateau	095H_2005_1009	0.25 - 0.5	21746-023	nd	41.21	0.29	18.69	6.91	0.06	7.15	0.33	bdl	19.49	5.59	0.08	bdl	99.83	0.83	G9
Horn Plateau	095H_2005_1009	0.25 - 0.5	21746-024	nd	42.20	0.05	18.38	8.09	0.06	7.51	0.44	0.06	18.11	7.33	bdl	0.03	102.25	0.79	G9
Horn Plateau	095H_2005_1009	0.25 - 0.5	21746-026	nd	42.33	0.27	19.05	6.48	bdl	6.61	0.35	bdl	20.53	5.45	0.01	bdl	101.11	0.82	G9
Horn Plateau	095H_2005_1011	0.25 - 0.5	21746-027	nd	41.57	0.29	16.37	9.72	0.06	7.33	0.34	bdl	18.73	7.09	bdl	0.00	101.52	0.81	G9
Horn Plateau	095H_2005_1011	0.25 - 0.5	21746-028	nd	40.96	0.04	18.65	7.00	0.09	7.53	0.49	0.06	18.72	6.14	bdl	0.02	99.70	0.83	G9
Horn Plateau	095H_2005_1011	0.25 - 0.5	21746-029	nd	41.36	0.08	18.63	7.42	0.09	7.70	0.48	bdl	18.90	6.44	bdl	bdl	101.12	0.85	G9
Horn Plateau	095H_2005_1011	0.25 - 0.5	21746-030	nd	41.12	0.04	19.58	6.36	0.14	7.88	0.42	0.02	18.56	6.55	bdl	0.02	100.69	0.83	G9
Horn Plateau	095H_2005_1011	0.25 - 0.5	21746-031	nd	41.41	0.06	21.11	3.62	0.11	8.40	0.40	0.02	19.12	5.42	0.04	bdl	99.71	0.82	G9
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-032	nd	41.13	0.04	17.96	7.74	bdl	6.44	0.43	0.03	19.48	6.26	0.01	0.02	99.55	0.83	G9
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-033	nd	41.25	0.17	17.50	8.42	bdl	7.17	0.38	0.03	19.22	6.79	0.01	bdl	100.96	0.85	G11
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-034	nd	41.38	0.08	19.36	7.11	bdl	7.87	0.52	0.04	18.53	6.49	0.01	0.01	101.42	0.84	G9
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-036	nd	41.60	0.01	20.50	5.17	0.04	7.53	0.50	bdl	19.85	4.81	0.01	bdl	100.04	0.83	G9
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-037	nd	40.79	0.06	17.66	8.10	0.15	7.35	0.40	bdl	18.55	6.84	0.03	bdl	99.95	0.79	G11
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-038	nd	40.94	0.01	18.23	7.81	0.06	8.17	0.45	0.04	16.75	8.06	bdl	0.01	100.53	0.82	G11
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-039	nd	42.01	0.19	19.54	6.15	0.15	6.83	0.27	0.07	20.47	5.34	0.04	bdl	101.07	0.77	G9
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-040	nd	42.06	0.16	22.09	2.85	0.01	8.66	0.37	0.03	19.61	4.52	0.09	bdl	100.48	0.78	G9
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-041	nd	42.20	bdl	21.82	3.76	0.11	7.65	0.47	0.01	20.46	4.55	0.03	bdl	101.09	0.84	G11
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-042	nd	42.26	0.40	20.40	4.54	bdl	7.23	0.35	0.04	20.50	5.21	0.10	0.03	101.06	0.83	G11
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-043	nd	41.99	0.20	17.98	8.16	bdl	6.99	0.39	0.02	19.30	6.26	0.04	0.01	101.35	0.74	G9
Horn Plateau	095H_2005_1017	0.25 - 0.5	21746-044	nd	41.72	0.04	18.23	8.12	0.08	7.46	0.42	0.01	18.50	6.40	0.01	bdl	101.00	0.83	G9
Horn Plateau	095H_2005_1017	0.25 - 0.5	21746-045	nd	41.03	0.35	18.63	7.35	bdl	7.24	0.41	bdl	19.55	5.81	0.10	0.00	100.50	0.85	G11
Horn Plateau	095H_2005_1020	0.25 - 0.5	21746-046	nd	41.78	0.38	21.35	2.88	0.10	8.75	0.31	bdl	19.70	4.60	0.07	0.01	99.95	0.84	G9
Horn Plateau	095H_2005_1020	0.25 - 0.5	21746-047	nd	42.11	0.07	22.03	2.74	0.14	7.09	0.43	0.02	20.85	4.40	bdl	0.02	99.92	0.82	G9
Horn Plateau	095H_2005_1020	0.25 - 0.5	21746-048	nd	41.93	0.04	20.85	5.37	0.04	6.46	0.42	0.03	23.19	1.74	0.04	0.01	100.12	0.84	G11
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-049	nd	40.96	0.31	18.69	7.53	bdl	7.21	0.53	0.03	19.59	5.77	0.05	0.04	100.71	0.85	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-050	nd	41.66	0.18	18.97	6.29	0.03	7.20	0.45	0.09	20.15	5.04	0.07	0.01	100.15	0.82	G11
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-051	nd	41.59	0.32	19.30	6.15	0.12	7.80	0.34	bdl	19.67	5.51	0.02	bdl	100.86	0.82	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-052	nd	40.88	0.11	16.03	10.77	0.10	7.09	0.57	0.01	18.22	6.95	bdl	0.02	100.77	0.84	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-054	nd	42.00	0.19	20.39	5.18	0.05	6.36	0.32	bdl	21.02	4.96	0.02	bdl	100.49	0.79	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-055	nd	42.22	0.28	19.71	6.26	0.13	7.72	0.35	0.04	20.43	4.86	0.02	bdl	102.03	0.69	G10D
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-056	nd	41.18	0.06	18.86	7.00	0.12	7.82	0.43	0.03	18.53	6.30	0.05	bdl	100.38	0.79	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-059	nd	41.74	0.03	20.09	5.62	0.09	8.21	0.47	bdl	18.36	6.22	0.03	bdl	100.88	0.80	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-060	nd	41.67	0.02	20.61	4.67	0.06	7.72	0.41	0.05	19.12	5.72	bdl	bdl	100.06	0.01	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-061	nd	41.42	0.30	18.99	6.50	0.06	6.61	0.38	0.01	20.04	5.68	0.02	0.06	100.08	0.80	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-062	nd	41.80	0.14	18.35	7.49	0.05	6.88	0.37	0.02	19.61	5.86	bdl	bdl	100.59	0.82	G11
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-063	nd	40.95	0.24	19.09	6.46	0.08	7.30	0.41	bdl	19.57	5.54	0.03	0.04	99.72	0.83	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-065	nd	42.21	0.39	21.64	2.80	0.10	6.68	0.36	0.12	21.30	4.69	0.06	0.03	100.36	0.83	G11
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-066	nd	41.68	0.35	16.97	9.21	bdl	6.19	0.40	0.06	20.00	5.59	0.08	0.02	100.57	0.83	G11
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-067	nd	41.35	bdl	19.82	6.02	0.05	8.18	0.45	0.03	18.73	5.13	0.01	0.01	99.79	0.81	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-068	nd	41.72	0.32	18.25	7.27	0.13	6.61	0.30	0.06	19.59	5.99	0.04	bdl	100.30	0.83	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21746-069	nd	41.72	0.73	18.24	5.96	0.06	7.88	0.22	bdl	19.20	6.11	0.04	bdl	100.17	0.77	G11
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-070	nd	40.74	0.67	17.90	7.15	0.13	7.97	0.37	bdl	17.82	7.08	0.05	bdl	99.92	0.83	G11
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-071	nd	41.76	0.03	18.91	7.28	0.04	6.77	0.44	0.09	21.06	4.01	0.04	bdl	100.42	0.81	G10
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-072	nd	41.06	0.41	20.05	5.26	0.06	7.46	0.40	0.06	19.77	5.22	0.05	bdl	99.80	0.80	G11

Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-073	nd	40.45	0.38	17.85	7.31	0.08	7.61	0.40	0.04	18.91	6.25	bdl	0.00	99.29	0.81	G9
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-074	nd	41.06	0.33	18.22	7.89	0.05	7.48	0.39	0.00	19.62	5.80	0.06	bdl	100.92	0.77	G9
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-077	nd	41.45	0.38	18.79	6.62	bdl	6.67	0.38	0.07	19.88	5.92	0.05	bdl	100.23	0.81	G11
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-078	nd	41.25	0.09	19.27	6.97	0.14	7.33	0.46	0.01	19.82	5.08	0.03	bdl	100.44	0.85	G10
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-079	nd	41.58	0.16	19.46	6.28	0.01	7.27	0.34	0.04	19.77	5.65	0.02	bdl	100.60	0.80	G9
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-080	nd	39.97	0.39	16.73	9.30	0.04	7.89	0.42	0.03	17.91	6.49	0.10	0.02	99.28	0.82	G9
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-081	nd	41.06	bdl	18.75	7.06	0.07	6.80	0.37	0.03	19.20	5.98	0.01	bdl	99.35	0.80	G9
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-082	nd	41.23	0.46	20.81	3.31	0.02	9.06	0.37	0.05	17.23	7.56	0.08	bdl	100.18	0.83	G12
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-083	nd	41.38	0.18	22.08	2.71	bdl	9.14	0.59	bdl	19.07	5.15	0.01	0.02	100.35	0.82	G11
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-084	nd	41.19	0.19	19.34	6.00	0.06	7.04	0.26	0.01	19.89	5.63	0.01	bdl	99.63	0.77	G9
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-085	nd	41.68	0.24	21.66	3.30	0.05	6.89	0.41	0.03	20.63	4.68	0.03	bdl	99.61	0.78	G9
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-086	nd	41.84	0.15	18.53	7.54	0.01	6.38	0.34	bdl	20.20	5.77	bdl	0.01	100.78	0.83	G9
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-087	nd	41.95	0.04	21.65	3.34	0.03	8.87	0.45	bdl	19.62	4.98	0.00	bdl	100.96	0.81	G9
Horn Plateau	095H_2005_1023	0.25 - 0.5	21746-088	nd	41.22	0.32	19.13	6.28	0.08	8.22	0.38	bdl	19.09	5.03	0.06	bdl	99.83	0.82	G9
Horn Plateau	095H_2005_1024	0.25 - 0.5	21746-089	nd	40.93	0.63	18.86	6.59	0.11	7.43	0.39	0.01	19.48	5.81	0.07	bdl	100.30	0.83	G11
Horn Plateau	095H_2005_1024	0.25 - 0.5	21746-090	nd	41.81	0.30	20.54	3.08	0.12	8.05	0.30	0.02	20.06	5.22	0.01	0.00	99.52	0.81	G11
Horn Plateau	095H_2005_1024	0.25 - 0.5	21746-091	nd	41.16	0.26	17.04	8.70	0.01	7.47	0.36	bdl	18.33	6.69	0.04	0.01	100.08	0.80	G11
Horn Plateau	095H_2005_1025	0.25 - 0.5	21746-092	nd	41.37	0.10	18.13	7.72	0.15	7.62	0.54	bdl	18.84	6.16	bdl	bdl	100.66	0.83	G9
Horn Plateau	095H_2005_1025	0.25 - 0.5	21746-093	nd	41.39	0.00	19.94	6.02	0.08	8.41	0.47	bdl	18.65	6.22	0.04	0.00	101.24	0.81	G11
Horn Plateau	095H_2005_1025	0.25 - 0.5	21746-094	nd	41.92	0.52	19.80	4.45	0.10	7.17	0.26	0.03	20.46	5.04	0.07	0.01	99.82	0.83	G11
Horn Plateau	095H_2005_1025	0.25 - 0.5	21746-095	nd	42.20	0.09	19.25	6.59	0.06	6.54	0.35	0.02	20.09	5.50	0.05	0.00	100.74	0.84	G9
Horn Plateau	095H_2005_1025	0.25 - 0.5	21746-096	nd	41.69	0.01	16.56	10.51	bdl	6.58	0.38	0.04	19.75	4.98	0.01	0.01	100.53	0.80	G10D
Horn Plateau	095H_2005_1025	0.25 - 0.5	21746-097	nd	41.92	0.08	20.42	5.23	0.10	6.84	0.49	bdl	20.02	4.99	0.01	0.00	100.11	0.84	G9
Horn Plateau	095H_2005_1025	0.25 - 0.5	21746-098	nd	41.83	0.03	18.90	7.80	0.11	7.98	0.50	0.03	19.73	4.61	0.04	bdl	101.56	0.83	G10
Horn Plateau	095H_2005_1025	0.25 - 0.5	21746-099	nd	42.02	0.18	20.92	4.01	0.03	7.14	0.33	0.06	20.17	5.11	0.04	0.01	100.01	0.83	G9
Horn Plateau	095H_2005_1027	0.25 - 0.5	21746-100	nd	41.11	0.02	19.70	5.56	0.08	7.63	0.38	0.09	18.90	5.83	bdl	0.01	99.31	0.82	G11
Horn Plateau	095H_2005_2002	0.25 - 0.5	21746-101	nd	41.32	bdl	19.79	6.04	0.12	7.97	0.51	bdl	17.98	6.91	bdl	0.04	100.70	0.84	G12
Horn Plateau	095H_2005_2002	0.25 - 0.5	21746-102	nd	41.30	0.04	16.78	10.45	0.03	7.26	0.54	0.08	19.44	5.21	bdl	0.02	101.17	0.81	G10D
Horn Plateau	095H_2005_2002	0.25 - 0.5	21746-103	nd	41.51	0.27	20.68	4.59	0.12	8.19	0.45	0.06	19.38	5.18	0.03	0.04	100.48	0.83	G9
Horn Plateau	095H_2005_2002	0.25 - 0.5	21746-104	nd	42.09	0.15	20.83	4.32	0.06	6.97	0.41	0.02	20.79	4.84	0.02	0.03	100.52	0.00	G9
Horn Plateau	095H_2005_2003	0.25 - 0.5	21746-105	nd	41.74	0.07	20.71	5.40	0.09	7.51	0.39	bdl	18.77	6.23	0.01	bdl	100.95	0.00	G9
Horn Plateau	095H_2005_2003	0.25 - 0.5	21746-106	nd	42.38	0.02	21.53	4.09	bdl	7.36	0.47	0.05	21.13	3.60	0.06	0.01	100.72	0.31	G10
Horn Plateau	095H_2005_2003	0.25 - 0.5	21746-108	nd	41.10	0.52	16.15	10.33	0.06	6.29	0.33	bdl	19.26	6.62	0.08	0.00	100.75	0.00	G11
Horn Plateau	095H_2005_2003	0.25 - 0.5	21746-109	nd	41.70	0.19	20.70	4.65	0.10	7.16	0.28	0.04	20.33	5.26	bdl	bdl	100.43	0.00	G9
Horn Plateau	095H_2005_2004	0.25 - 0.5	21746-110	nd	41.17	0.06	18.72	6.61	bdl	7.90	0.38	0.00	19.04	6.51	bdl	0.01	100.44	0.37	G9
Horn Plateau	095H_2005_2004	0.25 - 0.5	21746-111	nd	41.24	0.07	18.52	7.60	0.08	7.03	0.38	0.00	19.87	5.48	0.00	bdl	100.27	0.36	G9
Horn Plateau	095H_2005_2004	0.25 - 0.5	21746-112	nd	41.08	0.08	20.17	5.14	0.06	8.26	0.45	bdl	18.57	6.09	0.03	bdl	99.96	0.31	G9
Horn Plateau	095H_2005_2005	0.25 - 0.5	21746-113	nd	41.81	0.10	19.47	5.86	0.11	7.24	0.47	0.03	19.21	6.12	0.02	bdl	100.45	0.23	G9
Horn Plateau	095H_2005_2005	0.25 - 0.5	21746-114	nd	42.04	0.38	22.55	2.11	bdl	7.85	0.50	0.01	20.32	4.29	0.06	bdl	100.14	0.37	G9
Horn Plateau	095H_2005_2005	0.25 - 0.5	21746-115	nd	40.90	0.45	16.36	10.05	0.06	6.80	0.46	bdl	19.13	6.18	0.04	bdl	100.44	0.30	G11
Horn Plateau	095H_2005_2005	0.25 - 0.5	21746-116	nd	40.41	bdl	15.43	11.49	0.11	6.48	0.49	bdl	18.85	6.79	0.01	bdl	100.10	0.34	G9
Horn Plateau	095H_2005_2005	0.25 - 0.5	21746-117	nd	41.41	0.01	18.43	7.06	0.12	7.98	0.51	0.02	17.52	7.10	0.02	bdl	100.19	0.27	G9
Horn Plateau	095H_2005_2005	0.25 - 0.5	21746-118	nd	41.06	0.34	16.86	9.30	0.08	6.66	0.28	0.04	19.38	6.44	0.04	bdl	100.51	0.09	G9
Horn Plateau	095H_2005_2005	0.25 - 0.5	21746-119	nd	41.15	0.04	18.92	6.95	0.03	6.98	0.38	bdl	20.15	5.12	0.01	bdl	99.75	0.15	G9
Horn Plateau	095H_2005_2006	0.25 - 0.5	21746-120	nd	41.72	0.25	20.31	5.27	bdl	7.02	0.34	0.03	20.22	5.41	0.07	0.01	100.66	0.19	G9

Horn Plateau	095H_2005_2006	0.25 - 0.5	21746-121	nd	41.93	0.33	20.86	4.25	bdl	7.31	0.48	bdl	20.26	4.96	0.04	bdl	100.46	0.19	G9
Horn Plateau	095H_2005_2006	0.25 - 0.5	21746-122	nd	41.08	0.43	17.70	7.40	bdl	7.02	0.24	bdl	19.29	6.14	0.02	bdl	99.35	0.24	G11
Horn Plateau	095H_2005_2006	0.25 - 0.5	21746-123	nd	40.91	0.48	17.90	7.54	0.15	7.24	0.38	0.04	19.55	5.63	0.06	0.03	99.92	0.11	G11
Horn Plateau	095H_2005_2007	0.25 - 0.5	21746-124	nd	40.21	0.08	18.74	6.80	0.04	9.31	0.46	0.04	16.79	7.02	0.02	0.02	99.52	0.24	G9
Horn Plateau	095H_2005_2007	0.25 - 0.5	21746-125	nd	40.68	0.78	17.95	6.20	0.06	8.99	0.41	bdl	17.00	7.98	0.08	bdl	100.13	0.12	G11
Horn Plateau	095H_2005_2007	0.25 - 0.5	21746-126	nd	41.03	0.27	19.78	5.64	0.10	7.70	0.43	bdl	18.91	5.66	0.07	0.03	99.64	0.21	G9
Horn Plateau	095H_2005_2007	0.25 - 0.5	21746-127	nd	41.07	0.03	18.39	7.38	0.03	8.60	0.60	0.04	16.45	7.91	0.02	0.03	100.54	0.03	G12
Horn Plateau	095H_2005_2007	0.25 - 0.5	21746-128	nd	40.63	0.31	15.93	9.76	bdl	7.57	0.37	bdl	18.34	7.44	0.03	0.01	100.39	0.28	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-129	nd	41.44	0.04	20.24	5.85	0.06	7.49	0.51	bdl	19.54	4.70	0.07	bdl	99.97	0.82	G10
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-130	nd	41.75	0.24	20.37	4.20	0.04	6.50	0.29	0.02	20.60	5.04	0.08	bdl	99.15	0.81	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-131	nd	41.76	0.09	19.58	6.07	0.04	7.44	0.35	0.06	19.91	5.28	0.01	bdl	100.61	0.79	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-132	nd	40.68	0.46	20.16	4.05	0.13	7.83	0.41	0.03	18.48	6.42	0.10	bdl	98.76	0.77	G11
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-133	nd	41.07	0.07	18.61	6.98	0.06	7.42	0.35	0.04	18.50	6.45	0.02	bdl	99.57	0.82	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-134	nd	41.21	0.30	18.23	7.47	0.04	7.30	0.44	0.04	19.26	5.43	0.07	bdl	99.80	0.83	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-135	nd	41.68	0.24	17.52	7.89	0.10	6.63	0.30	bdl	19.32	6.15	0.04	0.02	99.89	0.81	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-136	nd	41.81	0.40	20.15	4.33	0.04	8.05	0.38	bdl	19.79	5.69	0.02	0.01	100.68	0.81	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-137	nd	41.36	0.10	18.51	6.83	0.06	7.12	0.34	0.03	19.47	5.93	bdl	bdl	99.76	0.81	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-138	nd	42.03	0.48	18.81	6.58	0.13	7.13	0.39	bdl	19.64	5.71	0.09	0.03	101.02	0.83	G11
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-139	nd	41.75	0.41	18.41	7.38	0.13	6.82	0.31	0.04	19.90	5.79	0.03	0.03	101.00	0.82	G11
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-140	nd	41.58	0.15	15.88	11.21	bdl	6.86	0.39	0.03	18.79	6.04	0.03	0.02	100.98	0.81	G10D
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-141	nd	40.89	0.07	19.74	5.44	0.08	9.89	0.66	0.03	16.15	7.82	bdl	bdl	100.78	0.81	G12
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-143	nd	41.84	0.34	20.02	5.27	0.06	6.74	0.36	0.01	20.55	5.16	0.07	bdl	100.43	0.82	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-144	nd	41.87	0.13	18.98	6.54	0.01	7.32	0.39	bdl	19.57	5.36	bdl	0.00	100.19	0.80	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-145	nd	41.79	0.09	18.99	6.27	bdl	6.78	0.31	0.03	20.01	5.50	0.03	bdl	99.84	0.83	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-146	nd	41.92	0.27	18.57	7.73	bdl	6.34	0.35	bdl	19.78	6.24	bdl	bdl	101.22	0.82	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-147	nd	42.36	bdl	21.05	4.77	0.12	7.70	0.41	bdl	19.91	5.20	0.07	bdl	101.61	0.81	G9
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-149	nd	41.71	0.09	17.91	7.83	bdl	6.56	0.38	0.08	19.77	5.86	bdl	bdl	100.21	0.82	G11
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-150	nd	40.05	0.62	12.50	14.01	bdl	6.37	0.42	bdl	17.07	9.44	0.06	0.08	100.63	0.81	G11
Horn Plateau	095H_2005_2011	0.25 - 0.5	21746-151	nd	41.74	0.07	16.03	9.24	bdl	7.01	0.30	bdl	19.25	7.04	0.02	bdl	100.71	0.81	G11
Horn Plateau	095H_2005_2012	0.25 - 0.5	21746-152	nd	41.09	0.20	19.18	6.90	0.06	7.09	0.43	0.01	19.78	5.49	0.00	0.00	100.23	0.81	G9
Horn Plateau	095H_2005_2012	0.25 - 0.5	21746-153	nd	40.19	0.34	14.40	11.71	0.02	6.98	0.35	0.09	17.56	8.01	0.01	0.02	99.67	0.82	G9
Horn Plateau	095H_2005_2012	0.25 - 0.5	21746-154	nd	41.88	0.25	20.71	4.42	0.03	6.79	0.35	0.07	20.46	4.94	0.01	0.02	99.92	0.75	G9
Horn Plateau	095H_2005_2012	0.25 - 0.5	21746-155	nd	41.68	bdl	19.99	5.85	0.06	8.17	0.55	0.06	18.58	6.11	bdl	0.04	101.10	0.82	G9
Horn Plateau	095H_2005_2012	0.25 - 0.5	21746-156	nd	42.04	0.47	19.46	6.12	0.10	6.15	0.39	bdl	20.73	5.46	0.09	bdl	101.03	0.83	G11
Horn Plateau	095H_2005_2012	0.25 - 0.5	21746-157	nd	40.97	0.11	20.70	4.72	0.11	7.85	0.36	bdl	19.66	5.59	bdl	0.00	100.08	0.84	G9
Horn Plateau	095H_2005_2012	0.25 - 0.5	21746-158	nd	41.48	0.10	19.06	6.60	0.05	6.53	0.31	0.01	20.94	5.03	bdl	bdl	100.14	0.83	G9
Horn Plateau	095H_2005_2012	0.25 - 0.5	21746-159	nd	41.71	0.03	21.35	4.09	0.06	8.30	0.45	bdl	18.70	5.34	bdl	bdl	100.08	0.83	G9
Horn Plateau	095H_2005_2013	0.25 - 0.5	21746-160	nd	40.90	0.07	17.75	8.47	0.03	7.08	0.43	bdl	18.82	6.14	0.03	bdl	99.74	0.81	G9
Horn Plateau	095H_2005_2013	0.25 - 0.5	21746-161	nd	42.18	0.30	20.77	3.67	0.06	7.26	0.35	0.01	21.07	4.42	0.09	bdl	100.18	0.81	G9
Horn Plateau	095H_2005_2013	0.25 - 0.5	21746-162	nd	41.16	0.06	19.85	5.52	0.12	7.81	0.32	bdl	19.13	6.06	0.05	bdl	100.10	0.81	G9
Horn Plateau	095H_2005_2013	0.25 - 0.5	21746-163	nd	41.29	0.09	19.70	5.44	0.02	6.80	0.35	bdl	19.75	5.56	0.01	bdl	99.03	0.81	G9
Horn Plateau	095H_2005_2013	0.25 - 0.5	21746-164	nd	41.37	0.56	19.88	5.10	0.09	7.72	0.32	0.04	19.60	5.31	0.04	0.04	100.06	0.81	G11
Horn Plateau	095H_2005_2013	0.25 - 0.5	21746-165	nd	41.72	bdl	19.95	5.82	0.04	7.31	0.38	bdl	20.50	4.46	bdl	bdl	100.22	0.79	G10
Horn Plateau	095H_2005_2013	0.25 - 0.5	21746-166	nd	41.18	0.06	19.71	5.84	0.03	8.08	0.50	0.01	17.95	6.82	bdl	bdl	100.20	0.82	G11
Horn Plateau	095H_2005_2013	0.25 - 0.5	21746-167	nd	40.95	0.24	17.51	8.68	0.02	6.96	0.29	0.07	19.85	5.85	0.07	0.01	100.50	0.83	G9

Horn Plateau	095H_2005_2013	0.25 - 0.5	21746-168	nd	41.14	0.18	16.89	9.07	0.10	6.36	0.30	0.01	19.21	6.68	0.01	bdl	99.97	0.82	G11
Horn Plateau	095H_2005_2015	0.25 - 0.5	21746-169	nd	41.08	0.06	18.48	7.64	0.05	8.11	0.50	0.01	17.84	7.11	0.03	bdl	100.93	0.78	G9
Horn Plateau	095H_2005_2015	0.25 - 0.5	21746-170	nd	41.27	0.33	19.29	5.24	0.14	8.55	0.42	0.02	17.96	7.45	0.02	bdl	100.69	0.81	G11
Horn Plateau	095H_2005_2015	0.25 - 0.5	21746-171	nd	40.64	0.88	17.84	6.74	0.05	7.66	0.50	bdl	17.89	7.31	0.07	bdl	99.60	0.80	G11
Horn Plateau	095H_2005_2015	0.25 - 0.5	21746-172	nd	41.16	0.22	18.84	6.29	bdl	6.81	0.32	0.11	20.32	5.45	0.04	0.04	99.62	0.83	G9
Horn Plateau	095H_2005_2016	0.25 - 0.5	21746-173	nd	41.74	0.29	20.25	5.13	0.09	6.61	0.43	0.09	20.34	5.17	0.01	bdl	100.15	0.81	G9
Horn Plateau	095H_2005_2016	0.25 - 0.5	21746-175	nd	42.02	0.08	21.61	3.25	0.02	7.51	0.44	bdl	20.88	4.15	0.02	0.01	100.00	0.82	G10
Horn Plateau	095H_2005_2016	0.25 - 0.5	21746-176	nd	41.26	0.20	18.98	6.91	0.15	6.76	0.37	0.05	19.97	5.66	0.09	bdl	100.41	0.80	G9
Horn Plateau	095H_2005_2016	0.25 - 0.5	21746-177	nd	42.20	0.33	20.95	4.26	0.02	7.32	0.37	bdl	20.25	4.78	0.04	0.03	100.55	0.80	G9
Horn Plateau	095H_2005_2016	0.25 - 0.5	21746-179	nd	41.37	0.37	20.14	4.41	bdl	7.49	0.35	bdl	20.17	5.06	0.03	0.00	99.42	0.80	G9
Horn Plateau	095H_2005_2016	0.25 - 0.5	21746-180	nd	41.82	0.15	20.50	5.31	0.12	7.84	0.50	0.03	18.75	6.13	bdl	0.00	101.17	0.81	G9
Horn Plateau	095H_2005_2017	0.25 - 0.5	21746-182	nd	41.65	0.41	19.18	6.38	0.15	6.58	0.39	0.05	20.68	5.41	0.06	bdl	100.94	0.80	G11
Horn Plateau	095H_2005_2017	0.25 - 0.5	21746-183	nd	41.23	0.46	17.98	7.05	0.17	6.54	0.28	0.07	19.74	5.89	0.04	bdl	99.45	0.83	G11
Horn Plateau	095H_2005_2017	0.25 - 0.5	21746-184	nd	42.01	0.38	20.59	4.26	0.04	7.06	0.34	0.09	20.51	4.77	0.01	0.00	100.07	0.84	G11
Horn Plateau	095H_2005_2017	0.25 - 0.5	21746-185	nd	42.19	0.13	22.40	2.68	0.05	8.67	0.52	0.06	19.82	4.80	0.05	0.02	101.39	0.83	G9
Horn Plateau	095H_2005_2017	0.25 - 0.5	21746-186	nd	41.57	0.13	18.88	7.24	0.04	7.48	0.39	0.02	19.15	5.80	0.02	0.01	100.71	0.81	G11
Horn Plateau	095H_2005_2017	0.25 - 0.5	21746-187	nd	41.25	0.33	18.75	6.71	0.04	7.78	0.34	0.05	19.17	6.60	0.06	bdl	101.10	0.81	G9
Horn Plateau	095I_2005_2006	0.25 - 0.5	21746-188	nd	41.12	0.10	19.22	6.24	0.10	7.59	0.45	0.05	19.62	5.29	0.02	bdl	99.81	0.82	G11
Horn Plateau	095I_2005_2006	0.25 - 0.5	21746-189	nd	41.30	0.08	18.10	8.24	0.13	6.61	0.53	bdl	20.83	4.45	0.07	bdl	100.36	0.82	G10
Horn Plateau	095I_2005_2006	0.25 - 0.5	21746-190	nd	42.09	0.13	22.02	3.26	0.10	8.70	0.49	0.10	19.46	5.17	0.02	0.02	101.55	0.81	G9
Horn Plateau	095I_2005_2006	0.25 - 0.5	21746-191	nd	42.01	0.19	22.69	2.01	0.03	8.53	0.33	bdl	19.77	4.96	0.05	bdl	100.58	0.81	G9
Horn Plateau	095I_2005_2006	0.25 - 0.5	21746-192	nd	41.42	0.08	20.07	5.90	0.05	8.00	0.47	bdl	18.45	6.39	0.03	bdl	100.86	0.83	G9
Horn Plateau	095I_2005_2006	0.25 - 0.5	21746-193	nd	41.18	0.05	18.81	7.20	0.09	7.82	0.53	bdl	17.40	7.65	bdl	bdl	100.76	0.81	G12
Horn Plateau	095I_2005_2008	0.25 - 0.5	21746-194	nd	40.87	0.00	18.15	7.30	0.11	7.84	0.39	bdl	17.27	7.95	0.01	0.03	99.93	0.68	G11
Horn Plateau	095I_2005_2008	0.25 - 0.5	21746-195	nd	42.47	0.35	21.05	4.18	bdl	6.94	0.33	0.00	20.79	4.99	0.06	bdl	101.18	0.83	G9
Horn Plateau	095I_2005_2008	0.25 - 0.5	21746-196	nd	41.38	0.13	18.66	7.34	0.10	6.61	0.32	0.04	19.53	6.31	0.03	bdl	100.45	0.82	G9
Horn Plateau	095I_2005_2008	0.25 - 0.5	21746-197	nd	41.64	0.27	19.68	5.96	0.03	6.89	0.27	0.06	20.38	5.57	0.05	0.04	100.85	0.81	G9
Horn Plateau	095I_2005_2008	0.25 - 0.5	21746-198	nd	42.45	0.22	22.21	2.73	0.01	7.79	0.33	0.04	20.63	4.51	0.07	bdl	100.99	0.81	G9
Horn Plateau	095I_2005_2008	0.25 - 0.5	21746-199	nd	40.54	0.59	16.61	9.31	0.04	7.33	0.45	bdl	18.71	6.68	0.09	bdl	100.38	0.81	G11
Horn Plateau	095I_2005_2008	0.25 - 0.5	21746-200	nd	41.57	0.36	21.84	2.77	0.04	7.95	0.27	0.05	20.46	4.43	0.06	bdl	99.81	0.82	G9
Horn Plateau	095I_2005_2008	0.25 - 0.5	21746-201	nd	41.02	0.54	15.20	10.93	bdl	6.89	0.38	bdl	18.30	7.33	0.03	0.01	100.64	0.84	G11
Horn Plateau	095I_2005_2010	0.25 - 0.5	21746-204	nd	41.62	0.44	18.75	6.60	0.02	7.45	0.45	bdl	19.37	5.76	0.07	bdl	100.56	0.83	G11
Horn Plateau	095I_2005_2010	0.25 - 0.5	21746-205	nd	41.52	0.51	19.88	4.93	0.05	8.10	0.33	bdl	18.33	6.78	0.04	bdl	100.49	0.81	G11
Horn Plateau	095I_2005_2010	0.25 - 0.5	21746-206	nd	41.47	0.04	21.25	3.80	0.03	8.68	0.45	0.04	19.12	5.37	0.02	bdl	100.27	0.81	G9
Horn Plateau	095I_2005_2010	0.25 - 0.5	21746-207	nd	41.24	0.05	19.12	7.20	0.10	7.47	0.51	0.03	20.07	4.52	bdl	bdl	100.33	0.83	G10
Horn Plateau	095I_2005_2010	0.25 - 0.5	21746-208	nd	42.24	0.15	18.35	7.98	0.05	6.72	0.41	bdl	19.83	5.85	0.02	bdl	101.62	0.84	G9
Horn Plateau	095I_2005_2010	0.25 - 0.5	21746-210	nd	41.40	0.34	19.33	6.10	0.10	7.36	0.46	0.03	19.21	5.93	0.11	bdl	100.36	0.82	G9
Horn Plateau	095I_2005_2010	0.25 - 0.5	21746-211	nd	40.72	0.39	18.23	6.83	0.06	7.51	0.43	0.06	18.98	6.77	0.04	bdl	100.03	0.81	G9
Horn Plateau	095I_2005_2013	0.25 - 0.5	21746-212	nd	41.29	bdl	18.81	7.13	0.12	7.41	0.41	0.06	17.87	7.51	0.01	bdl	100.64	0.83	G12
Horn Plateau	095I_2005_2013	0.25 - 0.5	21746-213	nd	40.94	0.08	16.83	9.55	0.18	7.66	0.54	0.03	16.81	7.81	0.02	0.02	100.46	0.82	G12
Horn Plateau	095I_2005_2013	0.25 - 0.5	21746-214	nd	41.34	0.04	18.83	7.21	0.15	6.68	0.46	bdl	19.61	5.97	0.01	bdl	100.33	0.81	G9
Horn Plateau	095I_2005_2013	0.25 - 0.5	21746-215	nd	41.88	0.20	21.86	2.91	bdl	7.40	0.39	0.03	20.83	4.51	0.03	0.04	100.10	0.82	G9
Horn Plateau	095I_2005_2013	0.25 - 0.5	21746-216	nd	41.43	0.62	18.98	5.68	0.10	7.23	0.43	0.06	19.85	5.81	0.01	bdl	100.21	0.81	G11
Horn Plateau	095I_2005_2014	0.25 - 0.5	21746-217	nd	41.45	0.28	18.87	6.79	0.01	6.86	0.44	0.06	19.56	5.55	0.06	0.01	99.94	0.81	G9
Horn Plateau	095I_2005_2014	0.25 - 0.5	21746-218	nd	41.14	0.04	17.42	8.88	bdl	6.87	0.43	bdl	18.60	6.84	0.00	bdl	100.26	0.81	G9

Horn Plateau	095I_2005_2014	0.25 - 0.5	21746-219	nd	41.24	0.03	18.52	7.49	0.06	7.41	0.41	0.02	18.22	7.18	0.01	0.02	100.60	0.83	G11
Horn Plateau	095I_2005_2014	0.25 - 0.5	21746-220	nd	41.03	0.73	17.77	6.79	bdl	7.33	0.23	0.03	19.83	5.64	0.06	0.01	99.47	0.82	G11
Horn Plateau	095I_2005_2014	0.25 - 0.5	21746-221	nd	40.93	0.23	17.58	8.29	0.04	6.46	0.30	0.07	19.65	6.42	0.03	0.01	100.02	0.81	G9
Horn Plateau	095I_2005_2015	0.25 - 0.5	21746-222	nd	41.27	0.53	20.29	4.45	0.06	6.75	0.30	0.02	20.98	4.64	0.11	0.01	99.39	0.81	G11
Horn Plateau	095I_2005_2015	0.25 - 0.5	21746-223	nd	41.01	0.05	21.30	4.05	0.01	6.94	0.30	0.02	20.33	5.25	bdl	bdl	99.28	0.82	G9
Horn Plateau	095I_2005_2018	0.25 - 0.5	21746-224	nd	40.96	0.03	19.05	6.51	0.11	7.95	0.62	0.07	18.77	5.26	0.05	bdl	99.37	0.81	G9
Horn Plateau	095I_2005_2018	0.25 - 0.5	21746-225	nd	41.23	0.09	17.69	8.28	0.08	6.63	0.33	0.04	19.59	6.36	0.01	bdl	100.35	0.81	G9
Horn Plateau	095I_2005_2019	0.25 - 0.5	21746-226	nd	41.44	0.00	20.84	3.90	bdl	8.10	0.53	0.01	19.18	5.55	0.03	bdl	99.60	0.80	G9
Horn Plateau	095I_2005_2019	0.25 - 0.5	21746-227	nd	40.98	0.13	19.31	6.14	0.06	7.11	0.36	0.03	20.00	5.60	0.04	0.01	99.77	0.81	G9
Horn Plateau	095I_2005_2019	0.25 - 0.5	21746-228	nd	40.82	0.81	16.27	8.17	0.07	7.38	0.33	bdl	19.20	6.38	0.07	0.04	99.55	0.83	G11
Horn Plateau	095I_2005_2019	0.25 - 0.5	21746-229	nd	41.19	0.07	16.65	8.77	0.03	6.61	0.24	0.06	18.78	6.63	0.02	bdl	99.06	0.81	G9
Horn Plateau	095I_2005_2025	0.25 - 0.5	21746-230	nd	40.74	0.02	18.50	7.89	0.05	7.81	0.52	0.02	16.96	7.77	bdl	0.00	100.30	0.83	G12
Horn Plateau	095I_2005_2025	0.25 - 0.5	21746-231	nd	40.38	0.05	15.32	11.49	0.16	6.99	0.44	0.04	17.20	7.84	0.04	bdl	99.95	0.81	G11
Horn Plateau	095I_2005_2025	0.25 - 0.5	21746-232	nd	40.16	0.11	16.87	9.34	0.06	9.61	0.60	bdl	16.78	6.79	0.03	bdl	100.38	0.82	G9
Horn Plateau	095I_2005_2025	0.25 - 0.5	21746-233	nd	40.98	0.22	19.26	5.96	0.08	6.58	0.38	0.07	20.24	5.26	0.00	0.01	99.04	0.82	G9
Horn Plateau	095I_2005_2027	0.25 - 0.5	21746-234	nd	41.10	0.08	17.39	9.37	0.05	7.43	0.36	bdl	17.25	7.89	0.04	bdl	100.98	0.81	G11
Horn Plateau	095I_2005_2027	0.25 - 0.5	21746-235	nd	40.88	0.01	18.17	8.02	0.07	7.28	0.45	0.05	19.69	4.59	bdl	0.02	99.24	0.83	G10
Horn Plateau	095I_2005_2029	0.25 - 0.5	21746-236	nd	40.93	0.24	19.65	4.91	0.06	8.23	0.38	0.01	18.27	6.66	0.03	bdl	99.38	0.81	G12
Horn Plateau	095I_2005_2032	0.25 - 0.5	21746-237	nd	40.94	0.09	17.91	7.79	bdl	7.51	0.39	bdl	19.13	5.54	0.02	0.02	99.35	0.83	G9
Horn Plateau	095I_2005_2032	0.25 - 0.5	21746-238	nd	41.21	0.35	19.61	5.59	bdl	7.54	0.34	0.01	19.79	4.95	0.04	bdl	99.44	0.82	G9
Horn Plateau	095I_2005_2032	0.25 - 0.5	21746-240	nd	41.24	0.03	19.61	5.94	0.10	8.32	0.49	bdl	17.13	7.17	0.04	bdl	100.10	0.80	G12
Horn Plateau	095I_2005_2032	0.25 - 0.5	21746-241	nd	41.32	0.27	18.81	7.06	0.10	7.22	0.42	0.00	19.95	5.39	0.07	0.02	100.63	0.81	G11
Horn Plateau	095I_2005_2034	0.25 - 0.5	21746-242	nd	40.74	0.73	17.69	7.37	0.09	7.84	0.39	0.03	18.25	6.32	0.06	bdl	99.52	0.83	G11
Horn Plateau	095I_2005_2036	0.25 - 0.5	21746-243	nd	41.36	0.04	18.63	8.03	0.08	8.06	0.49	0.01	18.59	6.13	0.01	bdl	101.44	0.81	G9
Horn Plateau	095I_2005_2036	0.25 - 0.5	21746-244	nd	40.70	0.11	16.65	10.11	0.16	6.71	0.31	0.04	18.41	7.06	0.03	0.02	100.30	0.81	G11
Horn Plateau	095I_2005_2037	0.25 - 0.5	21746-245	nd	40.86	0.06	16.71	9.96	0.04	7.16	0.46	bdl	17.93	7.11	0.03	bdl	100.33	0.81	G9
Horn Plateau	095I_2005_2044	0.25 - 0.5	21746-246	nd	41.29	0.32	17.78	7.36	0.01	7.01	0.31	bdl	19.60	6.13	0.05	0.00	99.88	0.81	G11
Horn Plateau	095I_2005_2044	0.25 - 0.5	21746-247	nd	41.54	0.13	18.58	7.15	0.05	6.79	0.31	0.03	19.88	5.84	0.01	0.01	100.33	0.81	G9
Horn Plateau	095I_2005_2044	0.25 - 0.5	21746-248	nd	41.61	0.20	19.69	5.68	bdl	6.74	0.38	bdl	20.29	5.36	0.03	bdl	100.00	0.82	G9
Horn Plateau	095I_2005_2044	0.25 - 0.5	21746-249	nd	41.13	0.22	18.10	8.12	bdl	6.38	0.33	bdl	19.86	6.01	0.06	bdl	100.23	0.82	G9
Horn Plateau	095I_2005_2044	0.25 - 0.5	21746-250	nd	40.63	0.37	14.94	11.79	0.06	7.14	0.31	0.06	18.04	7.75	0.04	bdl	101.14	0.81	G9
Horn Plateau	095I_2005_2044	0.25 - 0.5	21746-251	nd	41.49	0.35	18.49	6.45	0.06	8.05	0.33	0.05	18.92	5.92	0.03	0.00	100.15	0.81	G11
Horn Plateau	095I_2005_2044	0.25 - 0.5	21746-252	nd	41.48	0.44	18.90	6.45	0.10	7.01	0.42	bdl	19.98	5.60	0.05	0.01	100.46	0.81	G11
Horn Plateau	095I_2005_2044	0.25 - 0.5	21746-253	nd	41.20	0.11	18.67	7.30	0.11	8.41	0.58	0.04	17.90	6.84	0.02	bdl	101.18	0.78	G9
Horn Plateau	095I_2005_2044	0.25 - 0.5	21746-254	nd	41.87	0.26	21.76	2.42	0.07	7.25	0.25	0.09	21.08	4.96	0.01	0.00	100.01	0.81	G11
Horn Plateau	095I_2005_2046	0.25 - 0.5	21746-255	nd	41.39	0.29	18.61	5.86	0.06	8.47	0.47	0.04	18.16	7.16	0.01	bdl	100.53	0.80	G12
Horn Plateau	095I_2005_2046	0.25 - 0.5	21746-256	nd	41.39	0.04	19.34	6.23	0.10	7.97	0.48	0.01	18.16	6.21	0.03	0.02	99.98	0.82	G9
Horn Plateau	095I_2005_2046	0.25 - 0.5	21746-257	nd	40.84	0.01	20.84	4.67	0.03	9.11	0.58	bdl	17.75	6.03	0.04	0.01	99.90	0.82	G9
Horn Plateau	095I_2005_2046	0.25 - 0.5	21746-258	nd	41.59	0.33	20.62	4.48	0.02	7.42	0.33	0.02	19.85	4.99	0.03	bdl	99.68	0.81	G9
Horn Plateau	095I_2005_2046	0.25 - 0.5	21746-259	nd	42.23	0.00	21.11	4.73	0.04	7.46	0.49	0.03	22.20	1.55	0.01	0.00	99.86	0.81	G10
Horn Plateau	095I_2005_2049	0.25 - 0.5	21746-260	nd	41.10	0.20	17.89	7.45	bdl	6.00	0.33	0.03	20.08	6.04	0.03	bdl	99.16	0.81	G9
Horn Plateau	095I_2005_2049	0.25 - 0.5	21746-261	nd	41.53	0.05	18.10	7.39	0.02	6.64	0.30	bdl	19.33	6.25	0.02	0.01	99.64	0.80	G9
Horn Plateau	095I_2005_2054	0.25 - 0.5	21746-262	nd	40.85	0.03	16.56	9.77	0.06	6.12	0.33	0.03	19.94	5.81	0.03	bdl	99.55	0.81	G10D
Horn Plateau	095I_2005_2054	0.25 - 0.5	21746-264	nd	41.63	0.71	19.26	5.40	0.11	7.78	0.37	0.04	18.69	6.79	0.04	bdl	100.84	0.82	G11
Horn Plateau	095I_2005_2057	0.25 - 0.5	21746-265	nd	41.32	0.11	18.04	8.17	0.08	7.02	0.37	bdl	19.28	6.39	bdl	bdl	100.82	0.82	G9

Horn Plateau	095I_2005_2057	0.25 - 0.5	21746-266	nd	41.40	0.25	19.50	5.59	0.03	7.06	0.32	bdl	20.32	4.97	0.07	0.01	99.52	0.81	G9
Horn Plateau	095I_2005_2057	0.25 - 0.5	21746-267	nd	42.29	0.71	18.96	5.61	0.09	6.84	0.30	0.03	20.59	5.47	0.08	0.00	100.96	0.83	G11
Horn Plateau	095I_2005_2058	0.25 - 0.5	21746-269	nd	41.16	0.16	17.61	9.07	0.09	6.48	0.39	0.00	19.29	6.57	0.06	0.02	100.90	0.80	G9
Horn Plateau	095I_2005_2058	0.25 - 0.5	21746-270	nd	40.48	0.18	16.71	9.23	0.08	6.60	0.40	0.00	19.24	6.75	0.00	0.02	99.70	0.82	G11
Horn Plateau	095I_2005_2058	0.25 - 0.5	21746-271	nd	40.71	0.00	18.31	7.64	0.08	8.08	0.47	0.03	16.89	7.70	0.02	bdl	99.95	0.82	G11
Horn Plateau	095I_2005_2060	0.25 - 0.5	21746-272	nd	41.33	0.35	20.28	4.54	bdl	7.76	0.30	0.01	20.19	5.35	0.06	bdl	100.20	0.82	G9
Horn Plateau	095I_2005_2060	0.25 - 0.5	21746-273	nd	41.32	0.61	17.69	6.89	0.12	6.82	0.29	bdl	19.94	5.91	0.05	bdl	99.66	0.81	G11
Horn Plateau	095I_2005_2068	0.25 - 0.5	21746-274	nd	41.69	0.10	19.14	6.74	0.07	7.40	0.47	bdl	19.59	6.12	0.01	bdl	101.35	0.81	G9
Horn Plateau	095I_2005_2068	0.25 - 0.5	21746-275	nd	41.14	0.05	19.99	5.39	0.01	8.70	0.60	bdl	18.35	6.10	0.06	bdl	100.41	0.81	G9
Horn Plateau	095I_2005_2068	0.25 - 0.5	21746-276	nd	41.35	0.46	19.43	5.30	0.06	7.29	0.30	bdl	19.86	5.73	0.06	bdl	99.86	0.83	G11
Horn Plateau	095I_2005_2068	0.25 - 0.5	21746-277	nd	40.07	0.01	15.21	11.86	0.12	7.33	0.41	bdl	18.86	5.91	0.04	0.00	99.82	0.80	G10D
Horn Plateau	095I_2005_2068	0.25 - 0.5	21746-278	nd	41.39	0.67	18.37	6.45	bdl	7.79	0.36	0.06	19.09	6.24	0.07	0.04	100.53	0.83	G11
Horn Plateau	095I_2005_2068	0.25 - 0.5	21746-279	nd	40.94	bdl	18.27	7.53	0.07	7.77	0.42	bdl	17.09	8.10	0.01	bdl	100.22	0.83	G11
Horn Plateau	095I_2005_2068	0.25 - 0.5	21746-280	nd	40.83	0.32	17.67	7.64	0.06	6.48	0.36	0.02	19.45	5.96	0.09	bdl	98.89	0.83	G9
Horn Plateau	095I_2005_2068	0.25 - 0.5	21746-281	nd	41.05	0.07	17.54	8.72	0.05	7.37	0.46	bdl	18.00	7.34	0.03	bdl	100.64	0.82	G9
Horn Plateau	095I_2005_2070	0.25 - 0.5	21746-282	nd	40.60	0.06	17.75	8.22	0.08	6.99	0.40	bdl	18.93	6.42	0.03	bdl	99.49	0.82	G11
Horn Plateau	095I_2005_2070	0.25 - 0.5	21746-283	nd	41.07	0.53	15.41	11.35	0.03	6.05	0.40	bdl	18.91	6.73	0.05	0.05	100.60	0.81	G11
Horn Plateau	095I_2005_2070	0.25 - 0.5	21746-284	nd	42.11	0.05	20.49	5.36	0.07	7.99	0.44	bdl	22.40	1.61	0.02	bdl	100.56	0.82	G11
Horn Plateau	095I_2005_2070	0.25 - 0.5	21746-285	nd	41.94	0.35	21.40	2.91	0.17	6.53	0.40	0.01	21.24	4.65	0.06	0.02	99.68	0.84	G11
Horn Plateau	095I_2005_2070	0.25 - 0.5	21746-286	nd	40.97	0.57	18.13	7.77	0.07	6.79	0.53	0.05	18.27	7.43	0.05	bdl	100.62	0.82	G11
Horn Plateau	095I_2005_2075	0.25 - 0.5	21746-287	nd	40.59	0.05	18.44	7.40	bdl	6.15	0.32	bdl	19.92	5.89	0.02	0.03	98.81	0.81	G9
Horn Plateau	095I_2005_2075	0.25 - 0.5	21746-288	nd	41.58	0.34	21.43	3.33	bdl	7.58	0.32	0.06	20.60	4.57	0.04	bdl	99.89	0.81	G9
Horn Plateau	095I_2005_2075	0.25 - 0.5	21746-289	nd	41.01	0.08	19.47	6.59	0.03	8.22	0.41	0.01	18.44	6.09	0.02	bdl	100.40	0.81	G9
Horn Plateau	095I_2005_2075	0.25 - 0.5	21746-290	nd	41.18	0.37	17.90	8.06	0.10	6.50	0.32	0.11	19.41	6.24	0.06	bdl	100.25	0.82	G11
Horn Plateau	095I_2005_2075	0.25 - 0.5	21746-291	nd	40.87	0.10	18.99	6.48	0.06	7.21	0.46	0.08	19.31	5.59	0.01	bdl	99.17	0.83	G9
Horn Plateau	095I_2005_2075	0.25 - 0.5	21746-292	nd	40.26	0.04	16.99	8.73	bdl	7.63	0.46	bdl	18.18	6.69	bdl	0.03	99.03	0.79	G9
Horn Plateau	095I_2005_2075	0.25 - 0.5	21746-293	nd	41.09	0.13	18.89	6.51	0.06	7.62	0.55	bdl	18.20	6.47	0.06	bdl	99.60	0.82	G11
Horn Plateau	095I_2005_2077	0.25 - 0.5	21746-294	nd	41.34	0.39	21.91	2.20	bdl	8.85	0.39	bdl	18.96	5.47	0.04	0.01	99.59	0.84	G9
Horn Plateau	095I_2005_2077	0.25 - 0.5	21746-296	nd	41.34	0.03	20.56	5.07	0.07	8.72	0.57	bdl	18.30	5.85	0.04	bdl	100.58	0.81	G11
Horn Plateau	095I_2005_2077	0.25 - 0.5	21746-297	nd	41.26	0.12	18.09	8.28	0.05	6.67	0.44	0.05	19.46	5.82	0.01	0.03	100.28	0.81	G9
Horn Plateau	095I_2005_2077	0.25 - 0.5	21746-298	nd	41.18	0.05	19.35	6.35	0.08	7.74	0.42	bdl	18.06	6.97	0.03	0.03	100.27	0.81	G9
Horn Plateau	095I_2005_2077	0.25 - 0.5	21746-299	nd	41.35	0.52	19.75	4.20	bdl	8.16	0.34	bdl	19.17	5.86	0.06	bdl	99.44	0.84	G11
Horn Plateau	095I_2005_2079	0.25 - 0.5	21746-301	nd	40.92	0.01	18.75	7.47	bdl	7.89	0.59	0.04	17.12	7.45	0.01	bdl	100.26	0.83	G12
Horn Plateau	095I_2005_2079	0.25 - 0.5	21746-302	nd	40.89	0.46	19.73	4.96	0.02	7.42	0.38	0.05	20.03	5.56	bdl	bdl	99.52	0.82	G11
Horn Plateau	095I_2005_2079	0.25 - 0.5	21746-303	nd	41.70	0.48	20.18	4.25	0.07	6.37	0.34	0.05	20.38	5.08	0.03	0.02	98.95	0.83	G11
Horn Plateau	095I_2005_2079	0.25 - 0.5	21746-304	nd	41.60	0.03	17.82	8.93	0.12	6.83	0.35	0.02	22.22	2.19	0.05	bdl	100.17	0.82	G10D
Horn Plateau	095I_2005_2079	0.25 - 0.5	21746-305	nd	41.09	0.31	18.10	7.61	0.02	6.85	0.29	bdl	19.83	5.96	0.07	bdl	100.16	0.82	G9
Horn Plateau	095I_2005_2079	0.25 - 0.5	21746-310	nd	41.85	0.06	21.44	3.50	0.05	7.96	0.47	0.06	20.11	4.23	0.04	bdl	99.79	0.82	G10
Horn Plateau	095I_2005_2079	0.25 - 0.5	21746-311	nd	41.27	0.80	19.29	4.60	0.03	8.25	0.23	0.03	19.62	5.61	0.04	0.02	99.78	0.82	G11
Horn Plateau	095I_2005_2079	0.25 - 0.5	21746-312	nd	41.31	0.02	20.99	4.86	bdl	7.49	0.38	bdl	20.15	4.27	0.02	0.02	99.53	0.82	G10
Horn Plateau	095I_2005_2080	0.25 - 0.5	21746-313	nd	40.59	0.31	15.75	10.40	0.04	6.27	0.41	0.03	19.33	6.66	0.06	bdl	99.86	0.82	G9
Horn Plateau	095I_2005_2080	0.25 - 0.5	21746-314	nd	40.82	0.71	18.27	6.68	bdl	6.99	0.38	0.02	19.53	6.23	0.05	0.02	99.71	0.81	G11
Horn Plateau	095I_2005_2080	0.25 - 0.5	21746-316	nd	41.94	0.76	17.82	6.10	bdl	7.69	0.26	0.10	20.52	5.64	0.03	0.01	100.86	0.83	G11
Horn Plateau	095I_2005_2083	0.25 - 0.5	21746-317	nd	41.32	0.13	20.34	5.22	0.05	6.75	0.32	0.05	20.84	4.89	0.03	bdl	99.94	0.83	G9
Horn Plateau	095I_2005_2084	0.25 - 0.5	21746-318	nd	41.85	0.32	21.85	2.62	0.04	7.04	0.39	bdl	20.74	4.41	0.05	0.00	99.32	0.82	G9

Horn Plateau	095I_2005_2084	0.25 - 0.5	21746-319	nd	41.35	0.36	20.64	4.22	bdl	7.36	0.36	bdl	20.88	4.73	0.08	0.03	100.04	0.81	G9
Horn Plateau	095I_2005_2084	0.25 - 0.5	21746-320	nd	40.64	0.04	20.30	4.57	0.02	8.54	0.58	bdl	17.85	6.17	0.00	0.01	98.74	0.81	G9
Horn Plateau	095I_2005_2084	0.25 - 0.5	21746-321	nd	40.99	0.18	17.74	8.17	0.07	7.43	0.50	bdl	19.06	6.39	bdl	bdl	100.56	0.83	G9
Horn Plateau	095I_2005_2087	0.25 - 0.5	21746-323	nd	40.98	0.10	21.88	2.68	bdl	9.57	0.47	bdl	18.81	5.10	0.04	bdl	99.65	0.82	G9
Horn Plateau	095I_2005_2087	0.25 - 0.5	21746-324	nd	41.25	0.36	19.39	5.24	bdl	7.02	0.34	0.04	20.16	5.03	0.05	bdl	98.90	0.82	G9
Horn Plateau	095I_2005_2087	0.25 - 0.5	21746-325	nd	40.68	0.47	18.63	6.41	0.09	7.11	0.33	0.01	19.83	5.79	0.06	bdl	99.42	0.82	G11
Horn Plateau	095I_2005_2087	0.25 - 0.5	21746-326	nd	40.64	0.09	19.08	5.73	bdl	10.58	0.51	bdl	16.61	6.11	0.08	bdl	99.45	0.82	G9
Horn Plateau	095I_2005_2087	0.25 - 0.5	21746-327	nd	40.66	bdl	18.17	8.16	0.08	6.96	0.43	bdl	19.17	5.52	0.06	bdl	99.24	0.80	G9
Horn Plateau	095I_2005_2087	0.25 - 0.5	21746-328	nd	42.17	0.74	19.94	4.36	0.10	6.72	0.34	0.00	20.80	5.16	0.09	bdl	100.43	0.83	G11
Horn Plateau	095I_2005_2087	0.25 - 0.5	21746-329	nd	40.81	0.38	19.62	5.37	0.06	7.07	0.39	0.04	20.42	5.17	0.06	0.05	99.42	0.81	G11
Horn Plateau	095I_2005_2087	0.25 - 0.5	21746-330	nd	40.44	0.24	19.50	5.04	0.06	7.80	0.31	0.03	19.39	5.53	0.02	0.02	98.37	0.80	G9
Horn Plateau	095I_2005_2087	0.25 - 0.5	21746-331	nd	40.89	0.03	18.30	7.92	0.05	6.68	0.33	0.01	19.74	5.61	0.05	bdl	99.61	0.82	G9
Horn Plateau	095I_2005_2087	0.25 - 0.5	21746-332	nd	41.34	0.06	21.41	3.97	0.05	6.78	0.42	0.10	21.16	4.52	0.05	bdl	99.88	0.81	G9
Horn Plateau	095I_2005_2092	0.25 - 0.5	21746-333	nd	40.49	0.10	17.64	8.41	0.04	8.09	0.58	bdl	17.65	6.86	0.07	bdl	99.95	0.83	G9
Horn Plateau	095I_2005_2092	0.25 - 0.5	21746-334	nd	40.98	0.32	20.16	5.30	bdl	6.69	0.38	bdl	20.63	4.98	0.09	0.01	99.56	0.77	G9
Horn Plateau	095I_2005_2092	0.25 - 0.5	21746-335	nd	41.27	0.20	19.81	5.38	bdl	7.48	0.46	0.06	20.31	4.95	0.00	bdl	99.95	0.81	G9
Horn Plateau	095I_2005_2092	0.25 - 0.5	21746-336	nd	42.41	0.30	21.78	2.40	0.01	6.75	0.42	0.04	21.47	4.06	0.04	bdl	99.68	0.81	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21747-002	nd	42.27	0.43	21.40	1.66	0.00	9.45	0.35	bdl	20.42	4.32	0.05	0.01	100.38	0.82	G9
Horn Plateau	095H_2005_1022	0.25 - 0.5	21747-003	nd	41.82	0.44	22.63	1.30	0.05	10.31	0.52	0.01	19.38	4.36	0.05	bdl	100.87	0.80	G9
Horn Plateau	095H_2005_2015	0.25 - 0.5	21747-006	nd	41.46	0.40	21.90	1.37	bdl	9.21	0.40	0.06	20.13	4.59	0.04	0.00	99.57	0.81	G9
Horn Plateau	DDH2006-8-4-37	0.25-0.5	8-4-37-1	nd	41.21	bdl	16.37	10.35	nd	7.02	0.20	nd	19.73	5.62	bdl	nd	100.52	0.83	G10D
Horn Plateau	DDH2006-9-3-41	0.25-0.5	9-3-41-1	nd	42.09	bdl	19.41	6.22	nd	6.93	0.14	nd	20.10	5.09	0.02	nd	100.01	0.81	G9
Horn Plateau	DDH2006-9-3-41	0.25-0.5	9-3-41-2	nd	41.53	bdl	18.50	7.06	nd	8.35	0.17	nd	19.26	5.63	0.03	nd	100.54	0.81	G9
Horn Plateau	DDH2006-9-3-41	0.25-0.5	9-3-41-3	nd	41.37	bdl	18.31	8.20	nd	6.53	0.12	nd	19.96	5.95	bdl	nd	100.46	0.81	G11
Horn Plateau	DDH2006-9-3-41	0.25-0.5	9-3-41-4	nd	41.67	bdl	21.42	3.45	nd	7.80	0.10	nd	21.50	4.64	0.02	nd	100.61	0.81	G9
Horn Plateau	DDH2006-9-3-41	0.25-0.5	9-3-41-5	nd	41.70	bdl	19.34	6.66	nd	7.40	0.13	nd	19.98	5.30	0.03	nd	100.55	0.81	G9
Horn Plateau	DDH2006-9-3-41	0.25-0.5	9-3-41-6	nd	41.49	bdl	20.00	6.01	nd	7.54	0.22	nd	19.41	5.71	0.02	nd	100.41	0.83	G9
Horn Plateau	DDH2006-9-3-41	0.25-0.5	9-3-41-7	nd	41.23	bdl	17.11	9.70	nd	6.98	0.18	nd	20.20	4.36	bdl	nd	99.78	0.83	G10D
Horn Plateau	DDH2006-9-3-41	0.25-0.5	9-3-41-8	nd	41.09	bdl	18.54	7.38	nd	7.40	0.16	nd	18.09	7.85	0.02	nd	100.54	0.81	G12
Horn Plateau	DDH2006-9-3-41	0.25-0.5	9-3-41-9	nd	41.12	0.27	21.28	3.82	nd	7.68	0.14	nd	20.74	5.07	0.02	nd	100.14	0.56	G9
Horn Plateau	DDH2006-15-1-56	0.25-0.5	15-1-56-1	nd	41.33	bdl	18.82	7.53	nd	7.90	0.25	nd	17.67	7.09	bdl	nd	100.61	0.79	G9
Horn Plateau	DDH2006-15-7-65	0.25-0.5	15-7-65-1	nd	41.28	0.13	17.10	9.02	nd	7.22	0.15	nd	18.49	6.62	0.03	nd	100.04	0.83	G9
Horn Plateau	DDH2006-15-7-65	0.25-0.5	15-7-65-2	nd	41.61	0.35	16.95	8.40	nd	7.18	0.20	nd	19.14	5.90	0.02	nd	99.75	0.84	G9
Horn Plateau	DDH2006-15-9-68	0.25-0.5	15-9-68-3	nd	41.35	bdl	17.68	9.69	nd	7.38	0.30	nd	20.54	3.64	bdl	nd	100.60	0.84	G10D
Horn Plateau	DDH2006-15-9-68	0.25-0.5	15-9-68-4	nd	41.44	0.17	17.42	8.48	nd	7.18	0.18	nd	19.10	5.99	0.05	nd	100.01	0.83	G9
Horn Plateau	DDH2006-15-9-68	0.25-0.5	15-9-68-5	nd	41.57	0.10	19.84	5.98	nd	8.09	0.16	nd	19.80	4.80	0.04	nd	100.38	0.83	G10D
Horn Plateau	DDH2006-19-4-86	0.25-0.5	19-4-86-1	nd	41.26	0.12	22.24	2.89	nd	10.06	0.29	nd	18.75	4.96	bdl	nd	100.58	0.82	G9
Horn Plateau	DDH2006-19-4-86	0.25-0.5	19-4-86-2	nd	41.49	bdl	21.08	5.18	nd	7.41	0.14	nd	20.63	4.42	bdl	nd	100.37	0.81	G10D
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-1	nd	41.22	0.42	18.91	6.31	nd	7.98	0.15	nd	19.62	5.54	0.03	nd	100.18	0.84	G9
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-10	nd	41.62	0.05	21.73	3.55	nd	8.62	0.21	nd	19.45	5.17	bdl	nd	100.41	0.83	G9
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-11	nd	41.77	0.15	21.90	3.28	nd	8.28	0.15	nd	20.40	4.30	0.02	nd	100.25	0.79	G9
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-12	nd	40.16	0.13	13.81	12.97	nd	8.22	0.17	nd	15.54	9.57	bdl	nd	100.58	0.80	G12
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-13	nd	41.19	0.04	18.35	7.69	nd	7.74	0.22	nd	17.52	7.79	bdl	nd	100.55	0.78	G12
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-15	nd	41.21	0.21	18.80	6.86	nd	8.11	0.20	nd	19.18	5.58	0.05	nd	100.20	0.83	G9
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-16	nd	41.98	0.29	21.06	4.65	nd	6.67	0.16	nd	20.74	4.56	0.06	nd	100.17	0.84	G9

Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-18	nd	41.80	bdl	20.54	4.97	nd	7.70	0.14	nd	19.73	5.65	0.02	nd	100.56	0.81	G11
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-19	nd	41.16	bdl	19.14	7.25	nd	7.92	0.15	nd	17.66	7.13	bdl	nd	100.43	0.83	G9
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-2	nd	41.44	0.20	19.70	5.51	nd	7.32	0.15	nd	20.33	5.18	0.02	nd	99.85	0.12	G9
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-20	nd	41.85	0.08	20.43	5.32	nd	7.53	0.15	nd	19.52	5.64	bdl	nd	100.53	0.84	G9
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-22	nd	41.42	bdl	20.12	6.03	nd	8.74	0.26	nd	17.82	6.13	bdl	nd	100.54	0.84	G11
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-3	nd	41.56	0.23	20.61	4.87	nd	7.71	0.18	nd	20.59	4.72	0.06	nd	100.53	0.83	G9
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-4	nd	41.12	0.43	17.36	7.71	nd	7.92	0.12	nd	19.39	5.94	0.02	nd	100.01	0.83	G11
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-5	nd	41.35	0.50	18.77	6.29	nd	7.85	0.15	nd	19.91	5.64	0.06	nd	100.52	0.81	G11
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-6	nd	41.98	0.19	20.62	4.55	nd	7.61	0.14	nd	20.58	4.66	0.03	nd	100.36	0.79	G9
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-7	nd	41.59	0.04	19.74	6.66	nd	8.39	0.20	nd	20.15	3.80	bdl	nd	100.58	0.79	G11
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-8	nd	41.42	bdl	18.86	7.46	nd	7.85	0.20	nd	17.65	7.12	bdl	nd	100.58	0.84	G9
Horn Plateau	DDH2006-19-6-88	0.25-0.5	19-6-88-9	nd	41.10	0.22	21.09	4.38	nd	7.41	0.13	nd	20.98	4.65	0.03	nd	99.99	0.83	G9
Horn Plateau	DDH2006-27-1-123B	0.25-0.5	27-1-123B-2	nd	40.93	0.05	19.19	7.41	nd	7.64	0.22	nd	18.90	6.09	0.02	nd	100.45	0.81	G9
Trout Lake	TL-08-003	0.25-0.5	20164-002	0.02	40.96	0.06	17.64	7.83	0.05	7.39	0.49	bdl	18.23	7.30	bdl	bdl	99.99	0.81	G9
Trout Lake	TL-08-004	0.25-0.5	20164-003	bdl	41.96	0.12	20.89	3.47	0.06	8.02	0.39	bdl	20.14	5.24	0.02	bdl	100.32	0.82	G9
Trout Lake	TL-08-005	0.25-0.5	20164-004	bdl	41.88	0.08	20.87	3.59	0.03	7.75	0.42	0.02	20.22	5.08	0.02	bdl	99.99	0.82	G9
Trout Lake	TL-08-008	0.25-0.5	20164-005	0.04	41.28	0.05	19.42	5.75	bdl	7.81	0.51	0.02	18.57	6.46	0.02	bdl	99.95	0.81	G9
Trout Lake	TL-08-009	0.25-0.5	20164-008	0.03	40.95	0.06	17.69	7.79	0.04	7.25	0.45	bdl	18.18	7.12	bdl	bdl	99.59	0.82	G9
Trout Lake	TL-08-010	0.25-0.5	20164-009	0.04	41.07	0.06	21.71	2.13	bdl	10.46	0.61	bdl	18.01	5.37	0.03	bdl	99.51	0.75	G9
Trout Lake	TL-08-011	0.25-0.5	20164-010	bdl	41.06	0.05	18.35	6.87	0.05	7.34	0.44	bdl	18.71	6.73	bdl	bdl	99.62	0.82	G9
Trout Lake	TL-08-013	0.25-0.5	20164-011	bdl	41.38	bdl	19.81	5.46	0.03	7.03	0.50	bdl	19.40	6.27	0.02	bdl	99.94	0.83	G9
Trout Lake	TL-08-014	0.25-0.5	20164-012	0.03	41.60	0.04	20.37	4.71	bdl	6.80	0.49	bdl	20.20	5.37	bdl	bdl	99.64	0.84	G9
Trout Lake	TL-08-015	0.25-0.5	20164-013	0.03	41.67	bdl	20.30	4.97	0.03	7.03	0.48	bdl	19.88	5.76	0.02	bdl	100.21	0.83	G9
Trout Lake	TL-08-016	0.25-0.5	20164-014	0.02	41.87	bdl	20.69	4.37	0.03	7.35	0.53	bdl	19.50	5.98	0.02	bdl	100.39	0.83	G9
Trout Lake	TL-08-018	0.25-0.5	20164-015	0.04	41.27	0.33	18.48	6.55	0.04	7.99	0.44	bdl	19.01	6.02	0.05	bdl	100.24	0.81	G9
Trout Lake	TL-08-019	0.25-0.5	20164-016	0.04	40.92	0.23	16.44	9.15	0.05	7.21	0.46	bdl	17.79	7.68	0.04	bdl	100.04	0.81	G9
Trout Lake	TL-08-021	0.25-0.5	20164-017	0.03	41.46	bdl	19.90	5.36	0.04	7.88	0.52	bdl	18.75	6.19	0.02	bdl	100.18	0.81	G9
Trout Lake	TL-08-022	0.25-0.5	20164-018	0.04	41.61	0.30	19.68	4.87	0.06	8.10	0.49	bdl	19.16	5.88	0.05	bdl	100.26	0.81	G9
Trout Lake	TL-08-023	0.25-0.5	20164-019	0.03	41.91	0.17	21.11	3.24	0.04	8.12	0.44	bdl	19.78	5.22	0.02	bdl	100.11	0.81	G9
Trout Lake	TL-08-024	0.25-0.5	20164-021	bdl	41.56	bdl	19.89	5.41	0.04	7.42	0.46	bdl	19.28	6.13	bdl	bdl	100.23	0.82	G9
Trout Lake	TL-08-029	0.25-0.5	20164-022	bdl	41.74	bdl	20.14	5.14	bdl	7.13	0.50	bdl	19.56	6.05	bdl	bdl	100.31	0.83	G9
Trout Lake	TL-08-029	0.25-0.5	20164-025	bdl	41.16	0.03	18.72	6.65	0.04	7.69	0.44	bdl	18.60	6.52	bdl	bdl	99.89	0.81	G9
Trout Lake	TL-08-031	0.25-0.5	20164-027	0.03	41.65	bdl	20.55	4.52	0.02	7.23	0.51	bdl	19.67	5.84	0.02	bdl	100.09	0.83	G9
Trout Lake	TL-08-032	0.25-0.5	20164-028	0.03	41.65	0.16	21.18	3.30	0.03	8.10	0.44	bdl	19.68	5.12	0.03	bdl	99.74	0.81	G9
Trout Lake	TL-08-033	0.25-0.5	20164-029	bdl	40.91	0.18	18.37	6.63	0.06	7.89	0.46	bdl	18.37	6.59	0.02	bdl	99.52	0.81	G9
Trout Lake	TL-08-033	0.25-0.5	20164-030	bdl	41.57	0.05	20.35	4.33	0.03	7.67	0.40	bdl	19.83	5.40	0.02	bdl	99.69	0.82	G9
Trout Lake	TL-08-033	0.25-0.5	20164-031	0.04	41.89	bdl	21.77	2.92	bdl	8.32	0.62	bdl	19.13	5.57	bdl	bdl	100.30	0.80	G9
Trout Lake	TL-08-033	0.25-0.5	20164-032	0.04	41.58	bdl	21.89	2.55	bdl	8.33	0.60	bdl	19.06	5.44	0.02	bdl	99.54	0.80	G9
Trout Lake	TL-08-034	0.25-0.5	20164-033	0.03	41.56	bdl	21.52	2.93	0.03	8.33	0.54	bdl	18.90	5.75	0.02	bdl	99.65	0.80	G9
Trout Lake	TL-08-034	0.25-0.5	20164-034	bdl	41.75	0.21	20.89	3.74	0.03	8.04	0.47	bdl	19.55	5.33	0.04	bdl	100.07	0.81	G9
Trout Lake	TL-08-041	0.25-0.5	20164-035	bdl	41.59	0.02	20.22	4.65	0.07	8.04	0.45	bdl	19.16	6.01	bdl	bdl	100.25	0.81	G9
Trout Lake	TL-08-041	0.25-0.5	20164-036	0.04	41.31	0.04	19.70	5.24	0.03	8.04	0.52	bdl	18.38	6.21	0.02	bdl	99.55	0.80	G9
Trout Lake	TL-08-043	0.25-0.5	20164-037	0.03	41.46	bdl	20.41	4.53	0.03	7.18	0.51	bdl	19.31	5.98	bdl	bdl	99.48	0.83	G9
Trout Lake	TL-08-043	0.25-0.5	20164-038	0.05	41.87	bdl	20.81	4.48	bdl	6.90	0.46	bdl	19.79	5.93	0.02	bdl	100.35	0.84	G9
Trout Lake	TL-08-044	0.25-0.5	20164-039	0.03	41.49	bdl	20.68	4.40	bdl	7.19	0.51	bdl	19.33	6.18	0.02	bdl	99.87	0.83	G9

Trout Lake	TL-08-044	0.25-0.5	20164-040	bdl	41.85	0.12	21.07	3.48	0.05	8.09	0.43	bdl	19.71	5.20	0.03	bdl	100.06	0.81	G9
Trout Lake	TL-08-045	0.25-0.5	20164-041	bdl	42.08	0.02	22.16	2.35	bdl	7.97	0.62	bdl	19.51	5.64	bdl	bdl	100.41	0.81	G9
Trout Lake	TL-08-045	0.25-0.5	20164-042	0.02	41.72	0.28	20.42	4.18	0.04	7.93	0.44	bdl	19.67	5.39	0.06	bdl	100.16	0.82	G9
Trout Lake	TL-08-051	0.25-0.5	20164-043	bdl	41.21	0.05	17.92	7.57	0.07	7.23	0.41	bdl	18.40	7.03	bdl	bdl	99.93	0.82	G9
Trout Lake	TL-08-051	0.25-0.5	20164-044	bdl	41.92	0.06	21.24	3.27	0.03	8.21	0.44	bdl	19.98	5.19	bdl	bdl	100.38	0.81	G9
Trout Lake	TL-08-053	0.25-0.5	20164-046	bdl	41.23	0.09	18.13	7.43	0.06	6.68	0.41	bdl	18.94	6.69	0.02	bdl	99.70	0.83	G9
Trout Lake	TL-08-056	0.25-0.5	20164-047	bdl	41.67	0.07	20.17	4.76	0.04	8.02	0.44	bdl	19.15	5.86	bdl	bdl	100.23	0.81	G9
Trout Lake	TL-08-057	0.25-0.5	20164-049	bdl	41.49	0.02	19.98	5.50	bdl	7.26	0.52	0.02	19.26	6.10	0.02	bdl	100.20	0.83	G9
Trout Lake	TL-08-058	0.25-0.5	20164-050	bdl	41.69	bdl	21.38	3.41	bdl	7.66	0.57	0.02	19.44	5.64	0.02	bdl	99.87	0.82	G9
Trout Lake	TL-08-061	0.25-0.5	20164-051	0.03	40.93	0.07	17.93	7.55	0.07	7.45	0.52	bdl	18.25	6.77	0.02	bdl	99.61	0.81	G9
Trout Lake	TL-08-061	0.25-0.5	20164-052	bdl	41.26	0.02	19.69	5.50	0.03	7.87	0.52	bdl	18.60	6.41	0.02	bdl	99.95	0.81	G9
Trout Lake	TL-08-063	0.25-0.5	20164-053	0.04	40.95	0.24	18.77	6.20	0.04	7.84	0.40	bdl	19.37	5.57	0.05	bdl	99.49	0.81	G9
Trout Lake	TL-08-063	0.25-0.5	20164-054	0.05	41.48	bdl	21.03	3.87	0.04	7.51	0.52	bdl	19.59	5.85	0.03	bdl	99.99	0.82	G9
Trout Lake	TL-08-063	0.25-0.5	20164-055	0.07	41.84	0.22	20.15	4.49	0.06	7.15	0.35	0.02	20.55	5.07	0.04	bdl	100.02	0.84	G9
Trout Lake	TL-08-064	0.25-0.5	20164-056	0.03	41.83	bdl	21.48	3.61	bdl	7.38	0.53	bdl	19.52	5.72	bdl	bdl	100.15	0.83	G9
Trout Lake	TL-08-065	0.25-0.5	20164-057	bdl	41.00	0.33	17.89	7.43	0.05	7.69	0.46	bdl	18.17	7.15	0.03	bdl	100.22	0.81	G9
Trout Lake	TL-08-066	0.25-0.5	20164-059	bdl	41.75	0.02	20.87	4.03	bdl	7.20	0.52	bdl	19.72	5.77	0.03	bdl	99.95	0.83	G9
Trout Lake	TL-08-068	0.25-0.5	20164-060	0.04	41.67	0.02	20.65	4.51	bdl	6.89	0.47	bdl	19.75	5.74	0.02	bdl	99.78	0.84	G9
Trout Lake	TL-08-069	0.25-0.5	20164-061	0.03	41.62	0.02	20.59	4.41	bdl	7.16	0.54	bdl	19.56	5.76	0.02	bdl	99.74	0.83	G9
Trout Lake	TL-08-070	0.25-0.5	20164-062	bdl	41.56	0.10	20.39	3.98	0.05	7.92	0.39	bdl	19.81	5.47	0.02	bdl	99.73	0.82	G9
Trout Lake	TL-08-072	0.25-0.5	20164-063	0.03	41.03	0.06	19.29	5.71	0.03	7.92	0.43	bdl	18.91	5.97	0.02	bdl	99.41	0.81	G9
Trout Lake	TL-08-073	0.25-0.5	20164-064	0.03	41.77	bdl	21.46	3.26	bdl	7.45	0.52	0.02	19.75	5.44	0.03	bdl	99.77	0.83	G9
Trout Lake	TL-08-077	0.25-0.5	20164-065	bdl	40.80	0.05	18.02	7.24	0.08	7.28	0.42	0.02	18.49	6.81	0.02	bdl	99.24	0.82	G9
Trout Lake	TL-08-077	0.25-0.5	20164-066	0.04	41.56	0.02	20.20	5.21	0.04	7.66	0.48	0.02	18.87	6.35	bdl	bdl	100.48	0.81	G9
Trout Lake	TL-08-079	0.25-0.5	20164-067	0.06	41.61	0.04	20.85	3.99	0.03	7.46	0.56	bdl	19.68	5.60	0.03	bdl	99.94	0.82	G9
Trout Lake	TL-08-082	0.25-0.5	20164-068	0.05	41.62	bdl	21.19	3.39	bdl	8.14	0.51	bdl	19.09	5.58	0.03	bdl	99.65	0.81	G9
Trout Lake	TL-08-082	0.25-0.5	20164-069	bdl	41.57	0.04	20.29	4.59	0.02	8.01	0.49	bdl	19.08	5.82	0.02	bdl	99.96	0.81	G9
Trout Lake	TL-08-083	0.25-0.5	20164-070	0.03	41.72	0.04	20.80	3.46	0.04	7.98	0.39	bdl	19.71	5.77	bdl	bdl	99.97	0.81	G9
Trout Lake	TL-08-084	0.25-0.5	20164-071	0.04	41.73	0.05	20.23	4.86	bdl	7.30	0.51	bdl	19.60	5.85	0.03	bdl	100.23	0.83	G9
Trout Lake	TL-08-088	0.25-0.5	20164-072	0.04	41.40	0.04	19.77	5.45	bdl	7.33	0.50	0.02	19.01	6.23	0.02	bdl	99.84	0.82	G9
Trout Lake	TL-08-089	0.25-0.5	20164-073	bdl	41.06	bdl	18.98	6.20	0.04	7.63	0.50	bdl	18.21	6.91	0.03	bdl	99.59	0.81	G9
Trout Lake	TL-08-090	0.25-0.5	20164-074	0.04	41.07	0.14	17.74	7.70	0.04	7.77	0.47	bdl	18.10	6.90	0.03	bdl	100.02	0.81	G9
Trout Lake	TL-08-091	0.25-0.5	20164-075	0.02	41.70	bdl	21.01	4.16	bdl	7.53	0.54	bdl	19.35	5.78	bdl	bdl	100.13	0.82	G9
Trout Lake	TL-08-091	0.25-0.5	20164-076	0.04	41.93	0.03	21.45	3.29	0.03	8.14	0.52	bdl	19.28	5.48	0.02	bdl	100.22	0.81	G9
Trout Lake	TL-08-091	0.25-0.5	20164-077	bdl	41.07	0.07	18.15	7.29	0.04	7.71	0.47	bdl	18.20	6.83	0.03	bdl	99.90	0.81	G9
Trout Lake	TL-08-101	0.25-0.5	20164-079	0.03	41.14	0.38	17.92	7.34	0.08	7.67	0.46	bdl	18.09	7.22	0.03	bdl	100.38	0.81	G9
Trout Lake	TL-08-104	0.25-0.5	20164-080	0.04	41.45	bdl	19.78	5.67	bdl	6.93	0.42	bdl	18.97	6.78	bdl	bdl	100.10	0.83	G9
Trout Lake	TL-08-109	0.25-0.5	20164-081	bdl	41.53	0.05	20.75	3.47	0.03	8.01	0.39	bdl	19.50	5.74	bdl	bdl	99.51	0.81	G9
Trout Lake	TL-08-114	0.25-0.5	20164-082	bdl	41.84	0.04	20.87	4.13	bdl	7.25	0.49	bdl	19.93	5.65	0.01	0.01	100.24	0.83	G9
Trout Lake	TL-08-115	0.25-0.5	20164-083	0.03	41.00	0.18	16.61	8.62	0.06	7.68	0.43	bdl	17.93	7.31	bdl	bdl	99.88	0.81	G9
Trout Lake	TL-08-116	0.25-0.5	20164-084	bdl	41.69	bdl	20.74	4.16	bdl	7.49	0.51	bdl	19.38	5.88	0.02	bdl	99.92	0.82	G9
Trout Lake	TL-08-117	0.25-0.5	20164-085	0.03	40.91	0.04	17.93	7.64	0.04	6.99	0.48	bdl	18.30	7.22	0.02	bdl	99.60	0.82	G9
Trout Lake	TL-08-118	0.25-0.5	20164-087	0.06	41.50	0.03	20.90	4.09	bdl	7.07	0.47	bdl	19.83	5.67	0.02	bdl	99.66	0.83	G9
Trout Lake	TL-08-122	0.25-0.5	20164-088	bdl	41.05	0.06	18.65	6.83	0.04	7.78	0.48	bdl	18.19	6.98	bdl	bdl	100.11	0.81	G9
Trout Lake	TL-08-122	0.25-0.5	20164-089	0.02	41.44	bdl	21.13	3.90	bdl	7.05	0.52	bdl	19.58	5.88	0.02	bdl	99.58	0.83	G9

Trout Lake	TL-08-125	0.25-0.5	20164-090	0.02	41.54	bdl	20.58	4.38	0.03	7.53	0.54	0.02	19.13	5.92	bdl	bdl	99.73	0.82	G9
Trout Lake	TL-08-125	0.25-0.5	20164-091	0.03	41.36	0.03	21.17	3.53	bdl	8.37	0.59	bdl	18.81	5.65	0.02	bdl	99.59	0.80	G9
Trout Lake	TL-08-127	0.25-0.5	20164-092	0.02	40.85	0.40	17.92	6.93	0.04	7.74	0.50	bdl	18.27	6.40	0.07	bdl	99.15	0.81	G9
Trout Lake	TL-08-128	0.25-0.5	20164-093	bdl	41.36	0.09	18.80	6.48	0.04	7.03	0.44	bdl	19.12	6.27	0.02	bdl	99.69	0.83	G9
Trout Lake	TL-08-134	0.25-0.5	20164-095	bdl	40.72	0.16	17.33	8.16	0.02	7.30	0.50	bdl	17.92	7.03	0.04	bdl	99.21	0.81	G9
Trout Lake	TL-08-134	0.25-0.5	20164-096	bdl	41.28	bdl	21.18	3.41	bdl	7.87	0.50	bdl	19.13	5.83	bdl	bdl	99.27	0.81	G9
Trout Lake	TL-08-135	0.25-0.5	20164-097	0.05	41.29	bdl	21.21	3.36	0.02	8.14	0.50	bdl	19.23	5.51	bdl	bdl	99.35	0.81	G9
Trout Lake	TL-08-135	0.25-0.5	20164-098	0.04	41.08	0.03	19.72	5.25	bdl	7.92	0.56	bdl	18.41	6.27	bdl	bdl	99.30	0.81	G9
Trout Lake	TL-08-137	0.25-0.5	20164-099	0.03	41.11	0.08	18.12	7.15	0.06	7.41	0.39	bdl	18.46	6.87	0.02	bdl	99.72	0.82	G9
Trout Lake	TL-08-138	0.25-0.5	20164-100	0.06	41.49	bdl	20.62	4.24	bdl	7.60	0.55	bdl	19.68	5.46	0.02	bdl	99.76	0.82	G9
Trout Lake	TL-08-139	0.25-0.5	20164-101	0.03	41.24	0.25	19.87	4.40	0.03	8.00	0.46	bdl	19.48	5.32	0.05	bdl	99.15	0.81	G9
Trout Lake	TL-08-141	0.25-0.5	20164-102	0.02	40.64	0.12	17.59	7.93	0.04	7.38	0.52	bdl	17.73	7.18	0.03	bdl	99.19	0.81	G9
Trout Lake	TL-08-142	0.25-0.5	20164-110	0.03	40.81	0.10	18.07	7.18	0.06	7.46	0.48	bdl	18.13	6.80	0.02	bdl	99.17	0.81	G9
Trout Lake	TL-08-143	0.25-0.5	20164-114	0.06	41.41	bdl	21.39	3.42	bdl	7.01	0.54	bdl	20.02	5.28	0.03	bdl	99.20	0.84	G9
Trout Lake	TL-08-144	0.25-0.5	20164-121	0.03	40.83	bdl	18.71	6.23	0.04	7.78	0.53	bdl	17.54	7.32	0.02	bdl	99.05	0.80	G12
Trout Lake	TL-08-145	0.25-0.5	20164-123	bdl	41.30	0.21	19.62	5.20	0.05	7.55	0.46	bdl	19.31	5.61	0.05	bdl	99.39	0.82	G9
Trout Lake	TL-08-145	0.25-0.5	20164-124	bdl	41.14	bdl	20.02	4.89	0.02	7.36	0.50	bdl	19.02	5.99	bdl	bdl	99.00	0.82	G9
Trout Lake	TL-08-146	0.25-0.5	20164-125	bdl	41.53	0.03	20.75	3.97	0.04	7.65	0.46	bdl	19.50	5.54	0.02	bdl	99.52	0.82	G9
Trout Lake	TL-08-147	0.25-0.5	20164-126	bdl	41.25	0.07	20.47	4.03	0.03	7.98	0.48	bdl	19.37	5.39	0.02	bdl	99.13	0.81	G9
Trout Lake	TL-08-150	0.25-0.5	20164-128	0.03	41.29	0.25	20.97	3.37	0.03	8.26	0.44	0.02	19.57	5.03	0.06	bdl	99.34	0.81	G9
Trout Lake	TL-08-151	0.25-0.5	20164-129	0.04	41.41	bdl	20.33	4.71	bdl	7.07	0.50	bdl	19.83	5.45	0.02	bdl	99.40	0.83	G9
Trout Lake	TL-08-153	0.25-0.5	20164-130	0.03	40.57	0.24	17.47	7.75	0.07	7.67	0.47	bdl	17.73	7.07	0.04	bdl	99.14	0.80	G9
Trout Lake	TL-08-155	0.25-0.5	20164-131	0.05	41.68	bdl	20.78	4.24	0.02	6.97	0.49	bdl	19.40	6.11	bdl	bdl	99.79	0.83	G9
Trout Lake	TL-08-156	0.25-0.5	20164-133	0.04	41.52	bdl	20.61	4.26	bdl	7.21	0.48	bdl	19.62	5.81	0.02	bdl	99.60	0.83	G9
Trout Lake	TL-08-159	0.25-0.5	20164-134	0.03	41.27	bdl	19.92	5.24	bdl	7.41	0.52	bdl	18.82	6.26	0.02	bdl	99.54	0.82	G9
Trout Lake	TL-08-159	0.25-0.5	20164-136	0.04	41.37	bdl	21.84	2.52	bdl	8.09	0.57	bdl	18.92	5.83	bdl	bdl	99.22	0.81	G9
Trout Lake	TL-08-159	0.25-0.5	20164-138	0.03	41.62	0.03	21.21	3.84	0.04	6.96	0.50	bdl	19.88	5.55	0.02	bdl	99.68	0.84	G9
Trout Lake	TL-08-161	0.25-0.5	20164-139	bdl	41.63	0.18	20.99	3.22	0.04	7.89	0.40	bdl	20.01	4.99	0.02	bdl	99.41	0.82	G9
Trout Lake	TL-08-162	0.25-0.5	20164-140	bdl	41.34	0.05	20.84	3.88	0.03	7.96	0.44	bdl	19.39	5.35	0.02	bdl	99.33	0.81	G9
Trout Lake	TL-08-165	0.25-0.5	20164-143	0.03	41.42	bdl	21.71	2.94	bdl	7.64	0.55	bdl	19.89	5.08	0.02	bdl	99.32	0.82	G9
Trout Lake	TL-08-165	0.25-0.5	20164-144	0.04	41.22	0.03	20.63	4.37	bdl	7.05	0.49	bdl	19.90	5.29	0.03	bdl	99.09	0.83	G9
Trout Lake	TL-08-166	0.25-0.5	20164-145	0.05	41.24	bdl	21.59	2.82	0.02	8.70	0.58	bdl	18.68	5.66	bdl	bdl	99.40	0.79	G9
Trout Lake	TL-08-168	0.25-0.5	20164-146	bdl	41.22	0.02	20.11	5.02	0.06	7.28	0.44	bdl	19.08	6.03	bdl	bdl	99.29	0.82	G9
Trout Lake	TL-08-168	0.25-0.5	20164-147	0.05	41.84	bdl	21.95	2.74	bdl	6.99	0.54	bdl	20.46	4.99	0.02	bdl	99.61	0.84	G9
Trout Lake	TL-08-169	0.25-0.5	20164-149	0.02	41.25	0.05	20.00	5.04	0.03	7.69	0.51	0.02	18.68	6.11	bdl	bdl	99.41	0.81	G9
Trout Lake	TL-08-170	0.25-0.5	20164-150	bdl	41.41	0.07	20.64	3.88	0.03	7.95	0.44	bdl	19.41	5.42	0.02	bdl	99.32	0.81	G9
Trout Lake	TL-08-172	0.25-0.5	20164-151	0.03	41.38	0.03	20.48	4.62	bdl	7.83	0.45	bdl	19.07	5.75	bdl	bdl	99.67	0.81	G9
Trout Lake	TL-08-172	0.25-0.5	20164-152	0.04	41.33	0.03	20.99	3.67	0.02	8.10	0.56	bdl	18.78	5.87	bdl	bdl	99.43	0.81	G9
Trout Lake	TL-08-175	0.25-0.5	20164-153	0.03	41.67	bdl	21.50	3.09	bdl	7.04	0.54	bdl	20.10	5.18	0.02	bdl	99.22	0.84	G9
Trout Lake	TL-08-183	0.25-0.5	20164-154	0.03	41.56	bdl	21.91	2.74	bdl	7.80	0.57	bdl	19.33	5.44	0.01	bdl	99.44	0.82	G9
Trout Lake	TL-08-183	0.25-0.5	20164-156	0.04	41.54	bdl	21.30	3.46	bdl	7.05	0.53	bdl	19.95	5.26	0.03	bdl	99.19	0.83	G9
Trout Lake	TL-08-183	0.25-0.5	20164-157	0.04	41.18	0.03	20.43	4.53	bdl	7.29	0.50	bdl	19.06	6.09	bdl	bdl	99.20	0.82	G9
Trout Lake	TL-08-184	0.25-0.5	20164-158	0.05	41.43	bdl	20.77	3.89	bdl	7.31	0.54	bdl	19.39	5.72	0.02	bdl	99.17	0.83	G9
Trout Lake	TL-08-186	0.25-0.5	20164-159	bdl	41.52	0.06	20.84	3.73	0.04	7.83	0.37	bdl	19.68	5.23	0.02	0.01	99.34	0.82	G9
Trout Lake	TL-08-187	0.25-0.5	20164-160	0.04	41.18	0.25	19.52	5.30	0.03	7.69	0.48	bdl	19.20	5.66	0.05	bdl	99.44	0.82	G9

Trout Lake	TL-08-189	0.25-0.5	20164-161	0.04	41.56	0.10	20.64	3.74	0.04	7.92	0.41	bdl	19.79	5.23	0.02	bdl	99.50	0.82	G9
Trout Lake	TL-08-190	0.25-0.5	20164-165	bdl	41.42	bdl	20.28	4.43	bdl	7.31	0.54	bdl	18.89	6.15	bdl	bdl	99.08	0.82	G9
Trout Lake	TL-08-191	0.25-0.5	20164-166	0.03	41.67	0.18	21.18	3.23	bdl	7.78	0.40	bdl	19.91	4.90	0.02	bdl	99.33	0.82	G9
Trout Lake	TL-08-196	0.25-0.5	20164-167	bdl	41.55	0.02	21.31	3.17	bdl	7.71	0.58	bdl	19.16	5.72	0.03	bdl	99.28	0.82	G9
Trout Lake	TL-08-196	0.25-0.5	20164-169	bdl	41.12	0.07	18.69	6.53	0.05	7.68	0.49	bdl	18.19	6.66	0.02	bdl	99.54	0.81	G9
Trout Lake	TL-08-196	0.25-0.5	20164-171	0.04	41.66	bdl	21.75	2.87	bdl	7.46	0.57	bdl	19.86	5.06	0.02	bdl	99.32	0.83	G9
Trout Lake	TL-08-199	0.25-0.5	20164-177	bdl	41.38	0.03	21.16	3.56	0.03	8.09	0.45	bdl	19.26	5.39	bdl	bdl	99.37	0.81	G9
Trout Lake	TL-08-204	0.25-0.5	20164-178	bdl	41.36	bdl	20.74	4.03	0.02	7.56	0.44	bdl	19.63	5.52	0.02	bdl	99.37	0.82	G9
Trout Lake	TL-08-204	0.25-0.5	20164-179	bdl	41.23	0.03	20.59	4.27	bdl	7.53	0.46	bdl	19.34	5.55	0.02	bdl	99.05	0.82	G9
Trout Lake	TL-08-204	0.25-0.5	20164-181	bdl	40.94	bdl	19.07	6.07	bdl	7.12	0.45	bdl	18.55	6.74	0.02	bdl	99.03	0.82	G9
Trout Lake	TL-08-204	0.25-0.5	20164-183	0.04	41.40	0.02	20.98	3.70	bdl	7.19	0.56	bdl	19.46	5.62	0.02	0.01	99.01	0.83	G9
Trout Lake	TL-08-204	0.25-0.5	20164-184	0.03	41.38	bdl	21.29	3.17	bdl	8.16	0.53	bdl	18.99	5.65	0.02	bdl	99.25	0.81	G9
Trout Lake	TL-08-204	0.25-0.5	20164-185	bdl	40.80	0.03	18.65	6.11	0.07	8.01	0.47	bdl	18.33	6.72	0.02	bdl	99.23	0.80	G9
Trout Lake	TL-08-204	0.25-0.5	20164-186	0.03	41.48	bdl	21.73	2.91	bdl	7.66	0.47	bdl	19.49	5.59	bdl	bdl	99.41	0.82	G9
Trout Lake	TL-08-204	0.25-0.5	20164-187	0.04	41.16	0.09	19.77	5.13	0.03	7.71	0.46	bdl	18.92	5.83	0.02	bdl	99.18	0.81	G9
Trout Lake	TL-08-205	0.25-0.5	20164-188	0.05	41.02	0.03	19.25	5.82	bdl	7.02	0.50	bdl	19.34	6.12	0.02	bdl	99.18	0.83	G9
Trout Lake	TL-08-205	0.25-0.5	20164-189	bdl	41.06	0.03	21.80	2.40	bdl	9.65	0.65	bdl	17.76	5.73	bdl	bdl	99.13	0.77	G9
Trout Lake	TL-08-206	0.25-0.5	20164-192	0.03	41.25	bdl	20.11	4.95	bdl	7.11	0.48	bdl	19.42	5.84	0.02	bdl	99.26	0.83	G9

Table B.4 Olivine EPMA results

Locality	SampleID	Size(mm)	Grain No.	P2O5	SiO2	TiO2	Al2O3	Cr2O3	V2O3	FeO	MnO	MgO	NiO	CaO	Na2O	K2O	Total	mg#	Affinity
Horn Plateau	095H_2003_1002	0.25 - 0.5	17964-020	nd	39.41	0.02	0.06	bdl	bdl	10.03	0.07	48.12	0.40	0.11	0.04	bdl	98.29	0.90	kimberlitic
Horn Plateau	095H_2003_1002	0.25 - 0.5	17964-022	nd	38.49	0.05	0.01	0.10	0.03	17.58	0.27	42.76	0.20	0.24	bdl	bdl	99.75	0.81	non-kimberlitic
Horn Plateau	095H_2003_1002	0.25 - 0.5	17964-023	nd	38.24	0.06	0.08	0.04	0.06	18.43	0.28	41.91	0.27	0.25	bdl	0.03	99.66	0.80	non-kimberlitic
Horn Plateau	095H_2003_1002	0.25 - 0.5	17964-024	nd	38.57	bdl	0.10	0.07	bdl	16.33	0.22	43.13	0.25	0.26	bdl	bdl	98.97	0.82	non-kimberlitic
Horn Plateau	095H_2003_1002	0.25 - 0.5	17964-025	nd	38.46	0.04	0.08	0.13	0.11	17.23	0.26	42.69	0.22	0.15	bdl	bdl	99.39	0.82	non-kimberlitic
Horn Plateau	095H_2003_1002	0.25 - 0.5	17964-026	nd	39.01	0.02	0.07	0.06	0.01	17.01	0.23	42.96	0.28	0.26	0.02	bdl	99.94	0.82	non-kimberlitic
Horn Plateau	095H_2003_1002	0.25 - 0.5	17964-027	nd	39.34	bdl	0.07	0.04	bdl	17.06	0.30	42.80	0.26	0.21	bdl	0.01	100.11	0.82	non-kimberlitic
Horn Plateau	095I_2003_1076	0.25 - 0.5	17965-012	nd	40.09	bdl	0.05	0.20	0.02	7.43	0.20	50.56	0.55	0.06	bdl	bdl	99.19	0.92	kimberlitic
Horn Plateau	095I_2003_2015	0.25 - 0.5	17966-003	nd	41.45	bdl	0.04	0.05	0.05	7.62	0.14	51.24	0.42	0.06	bdl	bdl	101.10	0.92	peridotitic
Horn Plateau	095I_2003_2029	0.25 - 0.5	17966-020	nd	41.45	bdl	0.02	0.07	0.07	9.58	0.28	49.42	0.31	bdl	bdl	0.02	101.25	0.90	kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-078	nd	40.91	bdl	0.02	0.06	bdl	8.07	0.11	51.09	0.44	0.05	0.06	0.02	100.85	0.92	peridotitic
Horn Plateau	085L_2005_1027	1.0 - 2.0	21734-003	nd	40.91	0.02	0.04	0.06	0.04	7.82	0.12	50.99	0.45	bdl	bdl	bdl	100.48	0.92	peridotitic
Horn Plateau	085E_2005_2123	0.5 - 1.0	21734-064	nd	40.42	bdl	0.03	0.03	bdl	9.15	0.04	49.72	0.31	bdl	bdl	bdl	99.75	0.91	peridotitic
Horn Plateau	085E_2005_2123	0.5 - 1.0	21734-065	nd	40.94	bdl	bdl	0.06	bdl	6.87	0.03	51.85	0.44	bdl	bdl	bdl	100.24	0.93	peridotitic
Horn Plateau	085L_2005_1004	0.5 - 1.0	21734-066	nd	40.62	0.03	0.03	0.08	bdl	8.54	0.08	50.17	0.40	bdl	0.04	bdl	100.02	0.91	peridotitic
Horn Plateau	085L_2005_1027	0.5 - 1.0	21734-067	nd	41.14	0.04	0.05	0.09	0.03	6.48	0.06	51.99	0.49	0.03	bdl	bdl	100.42	0.93	peridotitic
Horn Plateau	085L_2005_1027	0.5 - 1.0	21734-068	nd	40.85	bdl	0.06	0.10	0.06	8.49	0.14	50.13	0.37	0.09	bdl	bdl	100.32	0.91	peridotitic
Horn Plateau	085L_2005_1027	0.5 - 1.0	21734-069	nd	40.93	0.03	0.07	0.05	0.10	9.30	0.14	49.72	0.31	0.04	bdl	0.02	100.72	0.90	peridotitic
Horn Plateau	085L_2005_1004	0.25 - 0.5	21736-095	nd	40.82	0.04	bdl	0.05	0.01	8.09	0.08	50.40	0.36	0.02	0.01	bdl	99.91	0.92	peridotitic
Horn Plateau	085L_2005_1010	0.25 - 0.5	21736-097	nd	38.78	0.03	0.02	bdl	0.01	20.71	0.26	40.45	0.37	0.04	0.04	0.04	100.77	0.78	non-kimberlitic
Horn Plateau	085L_2005_1016	0.25 - 0.5	21736-099	nd	40.41	bdl	0.03	0.04	bdl	7.30	0.09	50.16	0.31	bdl	bdl	bdl	98.40	0.92	peridotitic
Horn Plateau	085L_2005_1019	0.25 - 0.5	21736-100	nd	40.26	bdl	0.04	0.02	bdl	8.30	0.07	49.86	0.37	0.01	bdl	bdl	98.97	0.91	peridotitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-101	nd	40.89	0.01	0.05	0.12	bdl	6.86	0.17	51.37	0.43	0.04	0.02	bdl	99.98	0.93	kimberlitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-102	nd	41.64	0.04	0.07	0.05	0.08	6.70	0.16	51.37	0.33	0.07	0.03	bdl	100.55	0.93	kimberlitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-103	nd	40.31	bdl	0.07	0.10	bdl	10.84	0.18	48.54	0.39	0.04	bdl	bdl	100.50	0.89	kimberlitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-104	nd	40.51	0.03	0.07	0.04	bdl	11.63	0.14	47.45	0.31	bdl	bdl	bdl	100.21	0.88	kimberlitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-105	nd	39.62	0.04	0.08	0.05	bdl	14.53	0.16	44.99	0.31	0.41	bdl	bdl	100.22	0.85	non-kimberlitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-106	nd	40.52	0.01	0.06	0.09	0.02	12.40	0.13	46.73	0.33	0.09	bdl	bdl	100.41	0.87	kimberlitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-107	nd	39.63	0.04	0.07	0.16	bdl	14.88	0.19	44.61	0.32	0.34	0.01	bdl	100.27	0.84	non-kimberlitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-108	nd	40.97	0.01	0.05	0.06	bdl	7.70	0.09	50.99	0.38	0.03	0.04	bdl	100.36	0.92	peridotitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-110	nd	40.56	bdl	0.07	0.10	bdl	6.61	0.07	51.28	0.42	0.10	0.03	bdl	99.27	0.93	peridotitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-111	nd	41.11	0.06	0.04	0.02	bdl	7.90	0.09	50.85	0.55	bdl	0.01	bdl	100.65	0.92	peridotitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-112	nd	40.72	0.02	0.08	0.06	0.09	10.12	0.16	48.41	0.39	0.14	bdl	0.01	100.22	0.90	kimberlitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-113	nd	40.12	bdl	0.05	bdl	0.11	8.02	0.12	49.91	0.46	0.06	bdl	bdl	98.90	0.92	peridotitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-115	nd	38.96	0.06	0.04	0.12	0.04	17.03	0.20	42.98	0.36	0.37	0.04	bdl	100.20	0.82	non-kimberlitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-117	nd	39.80	0.02	0.07	0.13	bdl	8.29	0.04	49.70	0.37	0.05	0.02	0.02	98.50	0.91	peridotitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-118	nd	41.55	0.03	0.02	0.14	bdl	6.47	0.04	51.58	0.43	0.04	0.02	bdl	100.33	0.93	peridotitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-119	nd	41.94	0.03	0.06	0.10	bdl	10.29	0.16	50.09	0.30	bdl	bdl	bdl	103.01	0.90	kimberlitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21736-121	nd	40.93	0.07	0.02	0.17	0.09	7.46	0.08	50.98	0.60	0.07	0.02	bdl	100.50	0.92	peridotitic
Horn Plateau	085L_2005_1030	0.25 - 0.5	21736-123	nd	40.02	0.03	0.02	0.04	0.01	12.62	0.32	46.78	0.41	bdl	0.01	0.01	100.27	0.87	kimberlitic
Horn Plateau	085L_2005_1035	0.25 - 0.5	21736-124	nd	40.86	bdl	0.01	0.02	bdl	7.07	0.06	51.44	0.36	0.02	0.02	bdl	99.90	0.93	peridotitic
Horn Plateau	085L_2005_1035	0.25 - 0.5	21736-125	nd	41.03	0.05	0.04	0.07	bdl	7.33	0.13	51.15	0.43	0.03	bdl	bdl	100.29	0.93	peridotitic

Horn Plateau	085L_2005_1035	0.25 - 0.5	21736-126	nd	40.69	bdl	bdl	bdl	bdl	10.97	0.20	48.99	0.40	bdl	bdl	bdl	101.33	0.89	kimberlitic
Horn Plateau	085L_2005_1039	0.25 - 0.5	21736-127	nd	40.46	0.02	0.03	0.04	bdl	7.59	0.09	51.38	0.34	0.05	bdl	bdl	100.03	0.92	peridotitic
Horn Plateau	085L_2005_1040	0.25 - 0.5	21736-128	nd	40.54	bdl	0.04	0.08	bdl	7.52	0.13	51.24	0.35	0.06	0.01	bdl	99.99	0.92	peridotitic
Horn Plateau	085L_2005_1040	0.25 - 0.5	21736-129	nd	39.78	bdl	0.10	0.09	bdl	13.99	0.26	45.53	0.49	0.10	bdl	0.02	100.39	0.85	non-kimberlitic
Horn Plateau	085L_2005_1042	0.25 - 0.5	21736-131	nd	40.86	0.02	0.05	0.08	bdl	7.87	0.10	50.86	0.48	bdl	bdl	bdl	100.35	0.92	peridotitic
Horn Plateau	085L_2005_1048	0.25 - 0.5	21736-132	nd	41.06	0.02	0.03	0.01	0.02	7.94	0.13	50.60	0.38	bdl	bdl	bdl	100.24	0.92	peridotitic
Horn Plateau	085L_2005_1060	0.25 - 0.5	21736-133	nd	37.10	0.06	0.06	0.07	0.07	25.87	0.44	35.94	0.21	0.08	0.02	bdl	99.93	0.71	non-kimberlitic
Horn Plateau	085L_2005_1066	0.25 - 0.5	21736-134	nd	40.55	0.03	0.08	0.02	bdl	8.94	0.10	49.81	0.34	0.03	0.02	bdl	99.92	0.91	peridotitic
Horn Plateau	085L_2005_1107	0.5 - 1.0	21739-011	nd	40.53	0.05	0.01	0.12	0.07	8.80	0.13	49.93	0.36	0.01	bdl	bdl	100.03	0.91	peridotitic
Horn Plateau	085L_2005_1116	0.5 - 1.0	21739-091	nd	39.42	0.03	0.04	0.12	bdl	12.47	0.20	47.32	0.36	0.03	bdl	bdl	100.02	0.87	kimberlitic
Horn Plateau	085L_2005_1123	0.5 - 1.0	21739-092	nd	41.05	0.05	0.06	0.03	bdl	7.68	0.08	50.46	0.58	0.03	bdl	bdl	100.05	0.92	peridotitic
Horn Plateau	085L_2005_1130	0.5 - 1.0	21739-093	nd	41.55	bdl	0.06	0.08	0.04	7.16	0.13	51.60	0.39	0.15	bdl	bdl	101.19	0.93	kimberlitic
Horn Plateau	085L_2005_1146	0.5 - 1.0	21739-094	nd	41.07	0.08	0.02	bdl	bdl	7.99	0.12	51.09	0.34	bdl	bdl	bdl	100.76	0.92	peridotitic
Horn Plateau	085L_2005_1146	0.5 - 1.0	21739-095	nd	40.82	0.01	0.03	bdl	bdl	7.31	0.06	51.30	0.34	0.02	bdl	bdl	99.94	0.93	peridotitic
Horn Plateau	085L_2005_2133	0.5 - 1.0	21739-096	nd	41.30	bdl	0.01	0.07	0.03	9.57	0.11	49.76	0.34	bdl	bdl	bdl	101.23	0.90	peridotitic
Horn Plateau	085L_2005_2196	0.5 - 1.0	21739-097	nd	40.18	0.05	bdl	0.04	bdl	8.41	0.10	50.12	0.34	bdl	0.02	bdl	99.30	0.91	peridotitic
Horn Plateau	085L_2005_1120	0.25 - 0.5	21741-031	nd	40.27	0.05	0.03	0.05	bdl	9.26	0.16	49.28	0.36	0.02	0.05	0.02	99.55	0.90	kimberlitic
Horn Plateau	085L_2005_1120	0.25 - 0.5	21741-032	nd	40.46	0.02	bdl	0.10	0.04	8.69	0.08	50.33	0.28	0.04	bdl	bdl	100.07	0.91	kimberlitic
Horn Plateau	085L_2005_1135	0.25 - 0.5	21741-033	nd	40.90	0.04	0.05	0.06	0.04	7.72	0.09	51.10	0.42	0.02	bdl	bdl	100.44	0.92	peridotitic
Horn Plateau	085L_2005_1152	0.25 - 0.5	21741-034	nd	40.29	bdl	0.02	bdl	bdl	7.77	0.10	50.44	0.38	0.01	0.05	bdl	99.11	0.92	peridotitic
Horn Plateau	085L_2005_1154	0.25 - 0.5	21741-035	nd	40.52	bdl	0.08	bdl	bdl	9.79	0.09	49.38	0.41	0.03	bdl	0.02	100.36	0.90	peridotitic
Horn Plateau	085L_2005_2096	0.25 - 0.5	21741-036	nd	39.32	0.03	0.07	0.14	bdl	11.61	0.17	46.79	0.40	0.27	bdl	bdl	98.83	0.88	kimberlitic
Horn Plateau	085L_2005_2098	0.25 - 0.5	21741-037	nd	39.57	0.01	bdl	0.04	0.01	14.45	0.19	45.36	0.21	bdl	bdl	0.02	99.90	0.85	non-kimberlitic
Horn Plateau	085L_2005_2102	0.25 - 0.5	21741-038	nd	39.85	bdl	0.04	0.04	0.09	12.65	0.16	46.70	0.39	0.05	bdl	bdl	100.02	0.87	kimberlitic
Horn Plateau	085L_2005_2206	0.25 - 0.5	21741-039	nd	38.66	bdl	bdl	0.08	bdl	17.64	0.26	42.81	0.25	bdl	bdl	0.01	99.76	0.81	non-kimberlitic
Horn Plateau	085L_2005_2153	0.25 - 0.5	21741-041	nd	39.15	bdl	0.06	bdl	bdl	17.67	0.28	42.66	0.35	0.14	0.03	bdl	100.38	0.81	non-kimberlitic
Horn Plateau	095H_2005_1002	0.5 - 1.0	21745-087	nd	39.81	0.07	0.09	bdl	bdl	16.67	0.21	43.85	0.24	0.22	bdl	bdl	101.20	0.82	non-kimberlitic
Horn Plateau	095H_2005_1022	0.5 - 1.0	21745-088	nd	40.74	0.02	0.03	0.10	bdl	8.57	0.21	50.31	0.40	0.05	bdl	bdl	100.45	0.91	kimberlitic
Horn Plateau	095H_2005_2010	0.5 - 1.0	21745-089	nd	41.16	0.02	bdl	0.02	0.02	6.70	0.07	51.28	0.33	bdl	bdl	bdl	99.65	0.93	peridotitic
Horn Plateau	095I_2005_2034	0.5 - 1.0	21745-090	nd	40.66	bdl	0.01	bdl	0.04	9.32	0.16	49.76	0.22	0.01	0.02	bdl	100.24	0.90	kimberlitic
Horn Plateau	095I_2005_2084	0.5 - 1.0	21745-091	nd	40.72	0.05	0.05	bdl	bdl	7.24	0.11	51.45	0.37	bdl	bdl	bdl	100.03	0.93	peridotitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-045	nd	39.08	bdl	0.08	0.07	bdl	18.57	0.25	41.95	0.14	0.24	bdl	bdl	100.42	0.80	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-046	nd	39.29	bdl	0.06	bdl	0.09	18.03	0.20	42.60	0.19	0.19	bdl	0.02	100.69	0.81	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-047	nd	39.00	0.05	0.11	0.03	bdl	17.05	0.21	43.04	0.25	0.18	bdl	bdl	99.97	0.82	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-048	nd	38.72	0.06	0.06	0.08	0.05	20.93	0.29	40.25	0.08	0.30	bdl	bdl	100.86	0.77	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-049	nd	39.89	0.06	0.13	0.05	bdl	16.95	0.19	43.56	0.20	0.21	bdl	bdl	101.28	0.82	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-050	nd	39.09	bdl	0.09	bdl	0.04	19.33	0.27	42.42	0.20	0.29	bdl	bdl	101.77	0.80	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-051	nd	39.33	bdl	0.05	0.04	0.04	18.63	0.21	42.01	0.15	0.23	bdl	0.02	100.74	0.80	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-052	nd	41.84	bdl	0.06	0.08	0.05	17.53	0.20	45.50	0.39	0.20	bdl	bdl	105.88	0.82	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-054	nd	38.93	bdl	0.08	0.10	bdl	18.40	0.23	41.69	0.19	0.25	bdl	bdl	99.91	0.80	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-055	nd	38.83	bdl	0.10	0.03	0.09	18.26	0.20	41.85	0.14	0.25	0.03	bdl	99.80	0.80	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-056	nd	39.37	0.05	0.07	0.06	0.02	17.09	0.21	43.51	0.13	0.29	0.04	bdl	100.85	0.82	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-057	nd	39.81	0.03	0.09	bdl	0.09	16.74	0.20	43.25	0.14	0.36	0.05	bdl	100.77	0.82	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-058	nd	38.80	0.01	0.06	0.04	bdl	22.15	0.23	38.99	0.15	0.28	bdl	0.02	100.74	0.76	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-059	nd	38.79	0.07	0.03	0.06	0.02	17.32	0.23	42.92	0.20	0.27	0.04	bdl	99.97	0.82	non-kimberlitic

Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-060	nd	38.96	0.03	0.02	0.03	bdl	18.09	0.25	42.53	0.15	0.23	bdl	0.02	100.33	0.81	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-061	nd	38.82	0.05	0.01	0.04	0.08	17.41	0.15	43.09	0.18	0.27	bdl	bdl	100.11	0.82	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-062	nd	38.47	0.01	0.04	0.07	bdl	18.03	0.24	42.12	0.21	0.25	0.03	bdl	99.50	0.81	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-063	nd	38.80	0.03	0.09	0.10	bdl	17.60	0.22	42.41	0.30	0.19	bdl	0.02	99.78	0.81	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-064	nd	39.52	bdl	0.10	0.09	bdl	15.90	0.19	44.25	0.25	0.24	0.02	bdl	100.59	0.83	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-065	nd	38.54	0.03	0.06	0.07	0.05	18.71	0.18	42.08	0.17	0.25	bdl	0.01	100.16	0.80	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-066	nd	40.78	0.03	0.06	bdl	0.12	10.46	0.19	49.11	0.32	0.09	bdl	bdl	101.20	0.89	kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-067	nd	39.20	0.01	0.05	0.09	bdl	18.17	0.24	42.69	0.17	0.22	0.06	bdl	100.92	0.81	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-068	nd	38.25	0.05	0.07	0.09	0.10	18.39	0.31	41.96	0.20	0.22	bdl	bdl	99.66	0.80	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-069	nd	39.19	bdl	0.07	0.01	0.08	15.42	0.21	44.49	0.27	0.22	bdl	0.02	100.01	0.84	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-070	nd	38.96	0.03	0.06	0.08	bdl	16.60	0.19	43.53	0.31	0.22	0.04	bdl	100.04	0.82	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-071	nd	38.58	0.01	0.07	0.09	0.09	19.85	0.27	40.91	0.22	0.17	bdl	bdl	100.28	0.79	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-072	nd	39.96	0.08	0.08	0.08	0.04	16.54	0.21	43.59	0.28	0.26	bdl	bdl	101.15	0.82	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-073	nd	39.20	0.04	0.07	0.04	0.10	17.02	0.26	43.07	0.33	0.21	bdl	bdl	100.36	0.82	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-074	nd	39.13	bdl	0.06	0.05	bdl	16.88	0.18	42.98	0.24	0.25	0.02	0.02	99.82	0.82	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-075	nd	38.84	0.01	0.08	0.07	0.10	19.55	0.29	40.95	0.19	0.24	0.01	bdl	100.33	0.79	non-kimberlitic
Horn Plateau	095H_2005_1002	0.25 - 0.5	21747-076	nd	38.53	0.02	0.07	0.07	bdl	19.03	0.18	41.54	0.25	0.25	bdl	bdl	99.98	0.80	non-kimberlitic
Horn Plateau	095H_2005_1017	0.25 - 0.5	21747-077	nd	39.46	0.06	0.06	0.14	0.06	14.79	0.24	44.87	0.45	0.47	bdl	bdl	100.61	0.84	non-kimberlitic
Horn Plateau	095H_2005_2006	0.25 - 0.5	21747-078	nd	40.56	bdl	bdl	0.02	0.03	7.70	0.17	51.06	0.41	0.03	bdl	bdl	100.01	0.92	kimberlitic
Horn Plateau	095I_2005_2046	0.25 - 0.5	21747-079	nd	39.01	0.05	0.04	bdl	bdl	16.98	0.19	43.40	0.37	bdl	0.02	bdl	100.10	0.82	non-kimberlitic
Horn Plateau	095I_2005_2087	0.25 - 0.5	21747-080	nd	40.90	0.02	0.02	bdl	0.07	8.05	0.11	50.38	0.37	bdl	0.04	bdl	100.00	0.92	peridotitic
Horn Plateau	DHH_11-1-45	0.25 - 0.5	DDH-11-1-45	nd	38.71	0.08	bdl	bdl	nd	18.02	0.19	43.12	0.39	0.03	bdl	bdl	100.58	0.81	non-kimberlitic
Trout Lake	TL-08-007	0.25 - 0.5	20162-138	0.02	40.52	0.03	0.03	0.04	bdl	9.51	0.11	48.48	0.37	0.05	0.02	bdl	99.19	0.90	peridotitic
Trout Lake	TL-08-013	0.25 - 0.5	20162-140	bdl	40.71	bdl	bdl	0.04	bdl	8.26	0.12	49.44	0.39	0.03	0.01	bdl	99.05	0.91	peridotitic
Trout Lake	TL-08-017	0.25 - 0.5	20162-142	bdl	40.40	0.04	0.01	0.01	bdl	9.18	0.11	48.65	0.38	0.04	0.01	bdl	98.86	0.90	peridotitic
Trout Lake	TL-08-117	0.25 - 0.5	20162-143	bdl	40.81	bdl	bdl	0.02	bdl	7.97	0.11	49.50	0.38	0.02	bdl	bdl	98.89	0.92	peridotitic
Trout Lake	TL-08-119	0.25 - 0.5	20162-146	bdl	40.58	0.02	0.01	0.04	bdl	8.35	0.11	49.37	0.37	0.03	bdl	bdl	98.92	0.91	peridotitic
Trout Lake	TL-08-125	0.25 - 0.5	20162-147	bdl	40.59	0.04	0.02	0.04	bdl	9.32	0.12	48.66	0.39	0.05	0.01	bdl	99.27	0.90	peridotitic
Trout Lake	TL-08-127	0.25 - 0.5	20162-148	0.02	40.43	0.01	bdl	0.04	bdl	9.29	0.11	48.68	0.37	0.05	0.02	bdl	99.05	0.90	peridotitic
Trout Lake	TL-08-147	0.25 - 0.5	20162-150	bdl	40.47	bdl	0.02	0.05	bdl	8.48	0.11	49.18	0.37	0.03	bdl	bdl	98.76	0.91	peridotitic
Trout Lake	TL-08-163	0.25 - 0.5	20162-152	bdl	40.45	0.03	0.02	0.04	bdl	9.41	0.11	48.29	0.38	0.04	0.01	bdl	98.81	0.90	peridotitic
Trout Lake	TL-08-165	0.25 - 0.5	20162-155	bdl	40.73	0.03	bdl	0.09	bdl	7.58	0.12	49.82	0.37	0.03	0.01	bdl	98.82	0.92	peridotitic
Trout Lake	TL-08-172	0.25 - 0.5	20162-158	0.02	40.49	0.03	bdl	0.06	bdl	8.73	0.11	48.84	0.38	0.05	0.01	bdl	98.74	0.91	peridotitic
Trout Lake	TL-08-173	0.25 - 0.5	20162-163	bdl	40.26	0.03	0.01	0.04	bdl	9.72	0.10	48.06	0.36	0.06	0.02	bdl	98.70	0.90	peridotitic
Trout Lake	TL-08-204	0.25 - 0.5	20162-165	bdl	40.37	0.04	bdl	0.01	bdl	9.09	0.13	48.73	0.38	0.05	0.02	bdl	98.86	0.91	peridotitic
Trout Lake	TL-08-205	0.25 - 0.5	20162-166	0.02	40.89	0.03	0.02	0.05	bdl	8.12	0.11	49.71	0.37	0.03	0.01	bdl	99.37	0.92	peridotitic
Trout Lake	TL-08-206	0.25 - 0.5	20162-171	bdl	40.66	0.04	0.01	0.03	0.02	9.15	0.12	48.55	0.39	0.05	0.02	bdl	99.06	0.90	peridotitic

Table B.5 Ilmenite EPMA results

Locality	SampleID	Size(mm)	Grain No.	P2O5	Nb2O5	SiO2	TiO2	Al2O3	V2O3	Cr2O3	Fe2O3	FeO	MnO	MgO	ZnO	NiO	CaO	Na2O	K2O	Total	Affinity
Horn Plateau	095I_2003_1003	0.5 - 1.0	17960-003	nd	0.15	0.09	54.07	0.37	0.42	2.10	bdl	29.13	0.31	12.79	bdl	0.23	0.06	bdl	bdl	99.71	kimberlitic
Horn Plateau	095I_2003_1003	0.5 - 1.0	17960-004	nd	0.19	0.09	52.60	0.46	0.43	1.19	2.23	31.62	0.35	10.85	0.09	0.13	0.04	bdl	bdl	100.27	kimberlitic
Horn Plateau	095I_2003_1005	0.5 - 1.0	17960-005	nd	0.08	0.06	52.70	0.50	0.45	4.36	1.28	24.99	0.29	13.58	bdl	0.20	0.03	bdl	bdl	98.51	kimberlitic
Horn Plateau	095I_2003_1008	0.5 - 1.0	17960-007	nd	0.04	0.03	52.71	0.65	0.54	1.30	bdl	33.86	0.30	11.59	0.10	0.14	bdl	bdl	bdl	101.26	kimberlitic
Horn Plateau	095I_2003_1008	0.5 - 1.0	17960-008	nd	0.11	bdl	52.83	0.61	0.19	0.99	1.28	30.78	0.30	11.29	bdl	0.05	bdl	bdl	bdl	98.42	kimberlitic
Horn Plateau	095I_2003_1009	0.5 - 1.0	17960-010	nd	0.01	0.06	51.42	0.35	0.36	0.46	0.64	36.20	0.31	8.80	bdl	0.06	0.04	bdl	bdl	98.70	kimberlitic
Horn Plateau	095I_2003_1012	0.5 - 1.0	17960-012	nd	0.87	0.03	42.67	0.20	0.68	5.30	9.53	40.41	0.21	7.67	0.04	0.14	bdl	bdl	bdl	107.76	kimberlitic
Horn Plateau	095I_2003_1012	0.5 - 1.0	17960-013	nd	0.25	0.03	53.24	0.50	0.38	1.19	1.91	29.52	0.34	12.17	0.05	0.10	0.03	bdl	bdl	99.72	kimberlitic
Horn Plateau	095I_2003_1014	0.5 - 1.0	17960-015	nd	bdl	0.01	53.41	0.55	0.21	1.72	0.32	29.79	0.32	11.83	0.09	0.12	0.03	bdl	bdl	98.41	kimberlitic
Horn Plateau	095I_2003_1018	0.5 - 1.0	17960-017	nd	0.34	0.06	50.84	0.45	0.24	0.83	5.41	34.91	0.34	9.02	0.17	0.13	0.02	bdl	bdl	102.77	kimberlitic
Horn Plateau	095I_2003_1018	0.5 - 1.0	17960-018	nd	bdl	0.04	50.94	0.14	0.65	0.06	0.64	48.50	0.56	0.28	bdl	0.02	bdl	bdl	bdl	101.83	non-kimberlitic
Horn Plateau	095I_2003_1018	0.5 - 1.0	17960-019	nd	0.24	0.02	53.57	0.54	0.50	1.95	3.19	27.64	0.25	12.71	bdl	0.14	0.01	bdl	bdl	100.75	kimberlitic
Horn Plateau	095I_2003_1018	0.5 - 1.0	17960-020	nd	0.46	0.00	49.48	0.24	0.51	0.99	5.10	37.55	0.26	8.41	bdl	0.06	0.02	bdl	bdl	103.08	kimberlitic
Horn Plateau	095I_2003_1018	0.5 - 1.0	17960-021	nd	0.05	0.01	50.11	0.28	0.64	1.03	1.91	36.84	0.28	9.37	0.01	0.09	0.02	bdl	bdl	100.65	kimberlitic
Horn Plateau	095I_2003_1018	0.5 - 1.0	17960-022	nd	0.65	0.06	47.41	0.20	0.59	2.46	7.00	35.22	0.26	9.84	0.02	0.16	0.02	bdl	bdl	103.89	kimberlitic
Horn Plateau	095I_2003_1025	0.5 - 1.0	17960-024	nd	0.08	0.03	54.42	0.53	0.52	1.09	0.96	27.57	0.30	13.03	0.08	0.10	0.03	bdl	bdl	98.73	kimberlitic
Horn Plateau	095I_2003_1053	0.5 - 1.0	17960-026	nd	bdl	0.04	51.31	0.67	0.47	1.78	bdl	33.78	0.30	11.52	bdl	0.03	bdl	bdl	bdl	99.89	kimberlitic
Horn Plateau	095I_2003_1063	0.5 - 1.0	17960-028	nd	0.12	0.04	45.78	0.37	0.28	0.90	1.60	45.32	0.14	6.31	bdl	0.13	0.00	bdl	bdl	100.99	kimberlitic
Horn Plateau	095I_2003_1063	0.5 - 1.0	17960-029	nd	0.28	0.05	54.14	0.46	0.25	1.12	2.87	29.36	0.32	11.50	0.02	0.13	0.01	bdl	bdl	100.51	kimberlitic
Horn Plateau	095I_2003_1071	0.5 - 1.0	17960-031	nd	0.40	0.11	52.19	0.68	0.38	0.35	4.46	31.49	0.26	11.11	0.04	0.11	bdl	bdl	bdl	101.59	kimberlitic
Horn Plateau	095I_2003_1073	0.5 - 1.0	17960-032	nd	0.33	0.08	48.04	0.44	0.42	0.42	4.14	41.34	0.23	7.25	bdl	0.10	0.06	bdl	bdl	102.86	kimberlitic
Horn Plateau	095I_2003_1073	0.5 - 1.0	17960-033	nd	0.53	0.05	50.39	0.49	0.36	0.32	7.32	36.40	0.32	8.49	bdl	0.01	0.04	bdl	bdl	104.71	kimberlitic
Horn Plateau	095I_2003_1097	0.5 - 1.0	17960-036	nd	0.04	0.06	53.05	0.68	0.19	1.40	0.32	28.83	0.34	12.06	0.00	0.13	0.03	bdl	bdl	97.12	kimberlitic
Horn Plateau	095I_2003_1008	1.0 - 2.0	17961-001	nd	0.25	0.07	44.27	0.36	0.48	1.31	2.23	46.12	0.23	6.24	bdl	0.10	0.02	bdl	bdl	101.69	kimberlitic
Horn Plateau	095I_2003_2010	1.0 - 2.0	17961-003	nd	0.33	0.07	45.37	0.43	0.40	1.45	2.55	44.01	0.28	6.44	bdl	0.13	bdl	bdl	bdl	101.47	kimberlitic
Horn Plateau	095I_2003_2010	1.0 - 2.0	17961-004	nd	bdl	0.09	51.25	0.12	0.30	bdl	2.23	46.88	0.74	0.88	0.11	bdl	bdl	bdl	bdl	102.61	non-kimberlitic
Horn Plateau	095I_2003_2010	1.0 - 2.0	17961-005	nd	0.25	0.13	52.06	0.73	0.50	1.97	2.87	30.23	0.21	11.59	0.05	0.16	bdl	bdl	bdl	100.74	kimberlitic
Horn Plateau	095I_2003_2053	1.0 - 2.0	17961-006	nd	0.63	bdl	44.43	0.22	0.42	0.66	7.32	46.76	0.28	5.59	bdl	0.06	bdl	bdl	bdl	106.37	kimberlitic
Horn Plateau	095I_2003_2053	1.0 - 2.0	17961-007	nd	0.03	0.08	53.63	0.52	0.31	1.38	1.60	29.38	0.31	11.69	bdl	0.18	bdl	bdl	bdl	99.11	kimberlitic
Horn Plateau	095I_2003_2053	1.0 - 2.0	17961-008	nd	0.13	0.07	52.13	0.54	0.39	5.04	1.60	24.98	0.34	13.35	0.04	0.20	0.06	bdl	bdl	98.86	kimberlitic
Horn Plateau	095I_2003_2053	1.0 - 2.0	17961-009	nd	0.54	0.01	46.01	0.35	0.33	4.62	7.63	36.02	0.30	8.98	0.08	0.15	0.00	bdl	bdl	105.02	kimberlitic
Horn Plateau	095I_2003_2078	1.0 - 2.0	17961-010	nd	0.16	0.04	50.03	0.38	0.47	1.22	2.23	37.27	0.35	8.44	0.01	0.02	0.02	bdl	bdl	100.65	kimberlitic
Horn Plateau	095J_2003_2006	1.0 - 2.0	17961-011	nd	bdl	0.03	53.62	0.62	0.46	2.30	0.32	28.25	0.30	12.75	bdl	0.26	0.09	bdl	bdl	99.01	kimberlitic
Horn Plateau	095I_2003_2004	0.5 - 1.0	17962-002	nd	0.08	0.04	50.49	0.22	0.45	1.44	1.28	34.89	0.30	10.27	0.01	0.07	bdl	bdl	bdl	99.53	kimberlitic
Horn Plateau	095I_2003_2004	0.5 - 1.0	17962-003	nd	0.19	0.04	51.73	0.69	0.43	1.43	1.60	30.92	0.28	11.69	0.05	0.10	0.03	bdl	bdl	99.15	kimberlitic
Horn Plateau	095I_2003_2004	0.5 - 1.0	17962-004	nd	0.13	0.07	53.11	0.64	0.32	1.82	0.64	28.58	0.29	12.21	bdl	0.22	bdl	bdl	bdl	98.02	kimberlitic
Horn Plateau	095I_2003_2007	0.5 - 1.0	17962-008	nd	0.28	0.07	51.95	0.59	0.38	3.16	3.19	29.02	0.37	12.18	0.03	0.19	0.01	bdl	bdl	101.44	kimberlitic
Horn Plateau	095I_2003_2010	0.5 - 1.0	17962-010	nd	bdl	0.03	49.96	0.11	0.36	bdl	0.64	49.08	0.46	0.69	bdl	0.09	0.03	bdl	bdl	101.45	non-kimberlitic
Horn Plateau	095I_2003_2010	0.5 - 1.0	17962-011	nd	0.01	0.01	50.52	0.05	0.65	0.01	0.96	48.59	0.44	0.41	0.01	0.08	bdl	bdl	bdl	101.74	non-kimberlitic
Horn Plateau	095I_2003_2010	0.5 - 1.0	17962-012	nd	0.26	0.04	51.58	0.05	0.16	bdl	2.87	46.29	2.10	0.01	bdl	0.12	0.02	bdl	bdl	103.50	non-kimberlitic
Horn Plateau	095I_2003_2010	0.5 - 1.0	17962-013	nd	0.07	0.04	52.42	0.07	0.20	bdl	2.23	45.74	0.76	1.25	0.05	0.06	0.02	bdl	bdl	102.91	non-kimberlitic
Horn Plateau	095I_2003_2010	0.5 - 1.0	17962-014	nd	0.15	0.03	45.83	0.36	0.46	0.60	1.60	45.37	0.29	6.27	0.03	0.07	0.01	bdl	bdl	101.04	kimberlitic

Horn Plateau	095I_2003_2010	0.5 - 1.0	17962-016	nd	0.29	0.05	47.27	0.36	0.41	1.68	4.14	40.53	0.23	7.77	bdl	0.03	0.03	bdl	bdl	102.79	kimberlitic
Horn Plateau	095I_2003_2010	0.5 - 1.0	17962-017	nd	bdl	0.07	50.87	0.13	0.52	0.03	bdl	46.67	0.40	0.51	0.01	0.08	bdl	bdl	bdl	99.29	non-kimberlitic
Horn Plateau	095I_2003_2010	0.5 - 1.0	17962-018	nd	0.01	0.08	53.67	0.75	0.25	1.23	bdl	31.68	0.33	11.77	bdl	0.18	0.02	bdl	bdl	99.96	kimberlitic
Horn Plateau	095I_2003_2010	0.5 - 1.0	17962-019	nd	bdl	0.04	52.78	0.09	0.14	0.03	0.32	44.73	0.80	1.64	0.05	0.05	bdl	bdl	bdl	100.67	non-kimberlitic
Horn Plateau	095I_2003_2010	0.5 - 1.0	17962-020	nd	0.29	0.01	52.49	0.13	0.29	0.06	3.82	45.46	1.64	0.21	0.08	bdl	0.01	bdl	bdl	104.49	non-kimberlitic
Horn Plateau	095I_2003_2010	0.5 - 1.0	17962-021	nd	0.21	0.05	50.43	0.05	0.52	0.02	2.87	48.25	0.46	0.21	bdl	bdl	bdl	bdl	bdl	103.08	non-kimberlitic
Horn Plateau	095I_2003_2014	0.5 - 1.0	17962-022	nd	0.11	0.05	52.74	0.54	0.30	1.18	1.91	30.24	0.16	12.08	0.04	0.17	0.01	bdl	bdl	99.53	kimberlitic
Horn Plateau	095I_2003_2029	0.5 - 1.0	17962-024	nd	0.33	0.06	49.77	0.41	0.45	1.72	3.19	34.57	0.26	10.00	bdl	0.21	0.02	bdl	bdl	101.00	kimberlitic
Horn Plateau	095I_2003_2029	0.5 - 1.0	17962-025	nd	0.35	0.10	45.15	0.29	0.26	0.75	4.14	45.64	0.26	6.29	bdl	0.16	0.02	bdl	bdl	103.41	kimberlitic
Horn Plateau	095I_2003_2045	0.5 - 1.0	17962-029	nd	0.17	0.04	54.84	0.56	0.34	1.80	1.91	25.69	0.25	13.43	0.02	0.26	0.01	bdl	bdl	99.35	kimberlitic
Horn Plateau	095I_2003_2045	0.5 - 1.0	17962-030	nd	0.04	0.02	52.90	0.55	0.34	3.89	0.96	25.80	0.25	13.34	0.06	0.27	0.04	bdl	bdl	98.47	kimberlitic
Horn Plateau	095I_2003_2045	0.5 - 1.0	17962-031	nd	0.21	0.01	53.19	0.59	0.26	3.29	3.19	25.96	0.29	13.29	0.07	0.21	0.00	bdl	bdl	100.57	kimberlitic
Horn Plateau	095I_2003_2045	0.5 - 1.0	17962-033	nd	0.40	0.07	51.78	0.50	0.36	3.22	2.55	28.70	0.35	12.17	0.06	0.06	0.03	bdl	bdl	100.24	kimberlitic
Horn Plateau	095I_2003_2045	0.5 - 1.0	17962-034	nd	0.20	0.09	51.39	0.02	0.29	0.01	3.51	47.47	1.08	0.09	0.13	0.05	bdl	bdl	bdl	104.33	non-kimberlitic
Horn Plateau	095I_2003_2048	0.5 - 1.0	17962-035	nd	0.16	0.11	51.76	0.50	0.33	7.35	2.87	23.29	0.39	13.49	0.13	0.25	0.02	bdl	bdl	100.65	kimberlitic
Horn Plateau	095I_2003_2048	0.5 - 1.0	17962-036	nd	0.71	bdl	51.32	0.08	0.15	bdl	10.48	39.96	6.60	0.09	0.12	bdl	0.03	bdl	bdl	109.53	non-kimberlitic
Horn Plateau	095I_2003_2048	0.5 - 1.0	17962-037	nd	0.12	0.03	52.84	0.55	0.47	0.23	1.60	33.40	0.22	10.54	0.05	0.03	0.01	bdl	bdl	100.10	kimberlitic
Horn Plateau	095I_2003_2053	0.5 - 1.0	17962-041	nd	0.20	bdl	52.93	0.62	0.45	2.89	1.91	27.27	0.31	12.85	bdl	0.14	0.02	bdl	bdl	99.59	kimberlitic
Horn Plateau	095I_2003_2053	0.5 - 1.0	17962-042	nd	0.08	0.01	51.30	0.41	0.42	1.43	2.23	32.58	0.35	11.24	0.08	0.14	0.03	bdl	bdl	100.31	kimberlitic
Horn Plateau	095I_2003_2053	0.5 - 1.0	17962-043	nd	0.20	0.05	50.77	0.16	0.29	5.38	2.55	32.05	0.38	9.55	bdl	0.15	bdl	bdl	bdl	101.52	kimberlitic
Horn Plateau	095I_2003_2053	0.5 - 1.0	17962-044	nd	0.16	0.01	44.33	0.21	0.34	0.55	3.82	47.99	0.18	5.78	0.09	0.10	0.00	bdl	bdl	103.56	kimberlitic
Horn Plateau	095I_2003_2053	0.5 - 1.0	17962-045	nd	0.33	0.07	53.52	0.57	0.42	1.43	3.19	27.92	0.30	12.80	bdl	0.17	bdl	bdl	bdl	100.73	kimberlitic
Horn Plateau	095I_2003_2053	0.5 - 1.0	17962-046	nd	0.50	0.08	53.34	0.49	0.31	2.02	4.14	28.48	0.28	12.12	0.01	0.16	bdl	bdl	bdl	101.95	kimberlitic
Horn Plateau	095I_2003_2057	0.5 - 1.0	17962-048	nd	0.59	0.04	42.23	0.45	0.51	5.40	7.32	39.46	0.13	8.67	0.01	0.11	bdl	bdl	bdl	104.91	kimberlitic
Horn Plateau	095I_2003_2057	0.5 - 1.0	17962-049	nd	0.05	0.04	53.21	0.58	0.42	2.45	bdl	29.22	0.29	13.06	0.01	0.25	0.01	bdl	bdl	99.61	kimberlitic
Horn Plateau	095I_2003_2074	0.5 - 1.0	17962-051	nd	0.40	0.02	44.22	0.28	0.16	0.56	5.10	48.25	0.21	5.58	0.02	bdl	0.01	bdl	bdl	104.80	kimberlitic
Horn Plateau	095I_2003_2076	0.5 - 1.0	17962-052	nd	0.24	0.06	51.63	0.62	0.42	1.37	2.87	31.71	0.36	11.28	bdl	0.14	0.03	bdl	bdl	100.72	kimberlitic
Horn Plateau	095I_2003_2076	0.5 - 1.0	17962-053	nd	0.52	0.04	48.60	0.45	0.34	1.85	5.73	35.34	0.33	9.57	bdl	0.01	0.08	bdl	bdl	102.86	kimberlitic
Horn Plateau	095I_2003_2076	0.5 - 1.0	17962-054	nd	0.29	0.07	51.67	0.04	0.12	0.09	3.82	47.13	0.72	0.15	0.08	bdl	0.02	bdl	bdl	104.21	non-kimberlitic
Horn Plateau	095I_2003_2076	0.5 - 1.0	17962-056	nd	0.21	0.10	51.80	0.63	0.46	2.25	1.60	29.43	0.28	12.15	0.01	0.14	0.03	bdl	bdl	99.10	kimberlitic
Horn Plateau	095I_2003_2076	0.5 - 1.0	17962-057	nd	0.08	0.03	53.79	0.59	0.29	1.22	1.28	29.87	0.34	11.88	0.06	0.14	0.03	bdl	bdl	99.61	kimberlitic
Horn Plateau	095I_2003_2078	0.5 - 1.0	17962-058	nd	0.13	0.01	54.01	0.56	0.24	1.41	3.82	29.01	0.29	12.01	0.07	0.16	bdl	bdl	bdl	101.75	kimberlitic
Horn Plateau	095I_2003_2078	0.5 - 1.0	17962-059	nd	0.53	0.06	49.58	0.34	0.16	0.31	7.95	37.87	0.31	8.02	0.10	0.09	0.00	bdl	bdl	105.32	kimberlitic
Horn Plateau	095I_2003_2082	0.5 - 1.0	17962-061	nd	0.42	0.04	52.59	0.58	0.35	2.81	4.78	26.75	0.35	12.92	0.06	0.25	0.00	bdl	bdl	101.90	kimberlitic
Horn Plateau	095I_2003_2092	0.5 - 1.0	17962-063	nd	0.40	0.10	51.72	0.65	0.36	1.93	4.46	30.82	0.25	11.31	0.08	0.10	0.02	bdl	bdl	102.20	kimberlitic
Horn Plateau	095I_2003_2092	0.5 - 1.0	17962-064	nd	0.15	0.07	44.94	0.27	0.37	0.64	0.64	47.35	0.22	5.87	0.03	0.03	0.01	bdl	bdl	100.58	kimberlitic
Horn Plateau	095I_2003_2125	0.5 - 1.0	17963-007	nd	0.23	0.02	49.92	0.29	0.57	1.47	3.19	35.53	0.31	9.28	0.04	0.12	0.02	bdl	bdl	100.99	kimberlitic
Horn Plateau	095I_2003_2125	0.5 - 1.0	17963-008	nd	0.20	0.04	52.54	0.61	0.41	3.28	1.91	26.89	0.16	12.90	0.04	0.29	0.04	bdl	bdl	99.31	kimberlitic
Horn Plateau	095J_2003_1004	0.5 - 1.0	17963-014	nd	0.12	0.04	50.94	0.08	0.44	bdl	2.87	48.02	0.54	0.33	0.08	bdl	0.03	bdl	bdl	103.49	non-kimberlitic
Horn Plateau	095J_2003_1004	0.5 - 1.0	17963-015	nd	bdl	bdl	51.24	0.09	0.29	bdl	0.96	48.02	0.39	0.44	bdl	0.01	bdl	bdl	bdl	101.44	non-kimberlitic
Horn Plateau	095J_2003_1004	0.5 - 1.0	17963-017	nd	0.17	0.05	50.07	0.30	0.57	1.13	1.60	36.28	0.31	9.11	0.05	0.08	0.04	bdl	bdl	99.75	kimberlitic
Horn Plateau	095J_2003_1004	0.5 - 1.0	17963-018	nd	0.57	bdl	47.25	0.26	0.29	1.37	7.32	40.03	0.34	7.33	0.01	0.12	0.04	bdl	bdl	104.94	kimberlitic
Horn Plateau	095J_2003_1004	0.5 - 1.0	17963-020	nd	0.17	0.08	53.38	0.53	0.31	1.82	0.96	28.72	0.38	12.04	bdl	0.20	0.05	bdl	bdl	98.65	kimberlitic
Horn Plateau	095J_2003_1004	0.5 - 1.0	17963-021	nd	0.19	0.06	50.30	0.44	0.38	1.97	3.19	33.38	0.37	10.25	bdl	0.19	0.02	bdl	bdl	100.72	kimberlitic
Horn Plateau	095J_2003_1007	0.5 - 1.0	17963-022	nd	0.16	0.10	53.10	0.52	0.31	1.91	2.87	27.16	0.30	13.03	0.11	0.18	0.03	bdl	bdl	99.78	kimberlitic

Horn Plateau	095J_2003_1007	0.5 - 1.0	17963-023	nd	0.09	0.07	55.07	0.52	0.32	0.91	0.96	27.43	0.22	13.04	bdl	0.12	bdl	bdl	bdl	98.76	kimberlitic
Horn Plateau	095J_2003_1007	0.5 - 1.0	17963-024	nd	0.40	0.05	51.51	0.62	0.40	5.54	5.10	24.60	0.28	13.62	0.06	0.24	0.03	bdl	bdl	102.45	kimberlitic
Horn Plateau	095J_2003_1007	0.5 - 1.0	17963-025	nd	0.39	0.04	48.73	0.43	0.36	1.99	4.14	35.94	0.27	9.61	bdl	0.08	0.03	bdl	bdl	102.02	kimberlitic
Horn Plateau	095J_2003_1008	0.5 - 1.0	17963-027	nd	0.33	0.06	52.28	0.56	0.44	2.24	5.73	30.37	0.34	11.38	bdl	0.13	0.02	bdl	bdl	103.88	kimberlitic
Horn Plateau	095J_2003_1016	0.5 - 1.0	17963-029	nd	0.33	0.06	53.46	0.59	0.45	1.23	4.14	29.15	0.31	12.09	0.01	0.12	0.01	bdl	bdl	101.94	kimberlitic
Horn Plateau	095J_2003_1019	0.5 - 1.0	17963-031	nd	0.19	0.02	52.64	0.48	0.40	1.43	3.19	30.65	0.26	11.51	bdl	0.12	0.01	bdl	bdl	100.90	kimberlitic
Horn Plateau	095J_2003_1019	0.5 - 1.0	17963-032	nd	0.21	0.02	49.13	0.22	0.49	1.11	3.19	37.77	0.25	8.67	0.11	0.06	bdl	bdl	bdl	101.24	kimberlitic
Horn Plateau	095J_2003_1020	0.5 - 1.0	17963-033	nd	0.21	0.10	53.30	0.70	0.34	2.42	3.51	26.53	0.35	12.88	bdl	0.21	0.02	bdl	bdl	100.58	kimberlitic
Horn Plateau	095J_2003_1020	0.5 - 1.0	17963-034	nd	0.41	0.09	48.51	0.47	0.41	1.65	4.78	35.59	0.35	9.67	bdl	0.17	0.00	bdl	bdl	102.10	kimberlitic
Horn Plateau	095J_2003_1020	0.5 - 1.0	17963-035	nd	0.46	0.07	51.15	0.61	0.44	2.49	5.10	30.19	0.31	11.65	0.06	0.14	0.02	bdl	bdl	102.70	kimberlitic
Horn Plateau	095J_2003_1022	0.5 - 1.0	17963-037	nd	0.28	bdl	53.17	0.41	0.27	1.13	5.10	30.33	0.38	10.78	0.08	0.12	bdl	bdl	bdl	102.05	kimberlitic
Horn Plateau	095J_2003_1022	0.5 - 1.0	17963-038	nd	0.03	0.08	50.98	0.52	0.38	0.60	2.23	35.98	0.22	9.16	0.10	0.07	0.02	bdl	bdl	100.35	kimberlitic
Horn Plateau	095J_2003_1022	0.5 - 1.0	17963-039	nd	0.09	0.01	48.86	0.60	0.59	7.50	1.91	27.80	0.29	11.79	0.09	0.19	0.01	bdl	bdl	99.75	kimberlitic
Horn Plateau	095J_2003_1025	0.5 - 1.0	17963-041	nd	0.33	0.04	51.22	0.43	0.43	2.34	3.19	30.79	0.38	11.71	bdl	0.10	0.06	bdl	bdl	101.01	kimberlitic
Horn Plateau	095J_2003_1025	0.5 - 1.0	17963-042	nd	0.20	0.03	51.32	0.52	0.47	3.01	0.64	29.88	0.29	12.14	0.03	0.14	0.03	bdl	bdl	98.69	kimberlitic
Horn Plateau	095J_2003_1025	0.5 - 1.0	17963-043	nd	0.24	bdl	51.88	0.46	0.65	2.33	2.55	29.85	0.35	11.63	0.02	0.17	0.01	bdl	bdl	100.13	kimberlitic
Horn Plateau	095J_2003_2002	0.5 - 1.0	17963-045	nd	0.12	0.09	48.56	0.67	0.17	0.11	1.91	38.90	0.17	8.92	0.08	0.07	0.01	bdl	bdl	99.79	kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-049	nd	0.39	0.02	49.51	0.43	0.53	1.38	5.41	34.72	0.26	9.88	0.03	0.08	0.04	bdl	bdl	102.69	kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-050	nd	0.31	bdl	48.97	0.43	0.48	1.80	5.73	33.38	0.31	10.95	0.15	0.09	0.02	bdl	bdl	102.61	kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-051	nd	0.40	0.10	52.07	0.38	0.54	1.21	5.41	31.24	0.34	11.17	0.12	0.05	bdl	bdl	bdl	103.03	kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-052	nd	0.04	0.06	50.48	0.30	0.35	1.03	1.91	35.31	0.38	10.30	0.08	0.01	0.00	bdl	bdl	100.25	kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-053	nd	0.27	0.07	51.88	0.65	0.47	3.60	2.23	27.36	0.27	13.03	0.01	0.11	0.04	bdl	bdl	100.00	kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-054	nd	0.21	0.02	45.30	0.32	0.41	0.61	2.23	46.02	0.31	6.07	0.04	0.08	bdl	bdl	bdl	101.63	kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-055	nd	0.43	0.09	43.86	0.32	0.37	0.62	4.46	48.12	0.31	5.65	0.07	0.14	0.00	bdl	bdl	104.43	kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-056	nd	0.42	0.04	52.54	0.61	0.36	1.14	3.19	29.26	0.29	12.06	0.05	0.15	0.04	bdl	bdl	100.14	kimberlitic
Horn Plateau	095J_2003_2013	0.5 - 1.0	17964-001	nd	0.20	0.07	48.07	0.14	0.24	4.93	1.91	34.98	0.40	8.69	0.00	0.17	0.00	bdl	bdl	99.80	kimberlitic
Horn Plateau	095J_2003_2013	0.5 - 1.0	17964-002	nd	0.23	0.01	45.54	0.38	0.38	0.55	3.82	44.50	0.26	6.62	bdl	bdl	bdl	bdl	bdl	102.30	kimberlitic
Horn Plateau	095J_2003_2013	0.5 - 1.0	17964-003	nd	0.04	0.06	53.04	0.63	0.46	2.24	1.60	27.18	0.25	13.03	bdl	0.21	bdl	bdl	bdl	98.75	kimberlitic
Horn Plateau	095J_2003_2013	0.5 - 1.0	17964-005	nd	bdl	0.09	52.58	0.63	0.42	2.01	0.96	28.82	0.43	12.24	0.06	0.16	0.02	bdl	bdl	98.41	kimberlitic
Horn Plateau	095J_2003_2013	0.5 - 1.0	17964-006	nd	0.19	0.05	51.26	0.55	0.34	1.96	3.51	31.51	0.26	11.26	0.07	0.09	0.08	bdl	bdl	101.11	kimberlitic
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-007	nd	0.17	0.11	48.68	0.14	0.32	2.15	1.28	38.44	0.30	8.35	0.01	0.09	0.02	bdl	bdl	100.06	kimberlitic
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-008	nd	0.28	0.05	45.79	0.28	0.28	1.92	3.82	42.92	0.22	6.79	bdl	0.11	0.02	bdl	bdl	102.49	kimberlitic
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-010	nd	0.23	0.04	47.22	0.13	0.61	2.33	2.55	39.08	0.29	8.14	bdl	0.21	bdl	bdl	bdl	100.83	kimberlitic
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-011	nd	0.24	0.00	51.29	0.60	0.45	3.15	2.87	29.32	0.31	11.58	bdl	0.13	0.00	bdl	bdl	99.94	kimberlitic
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-012	nd	0.40	0.02	51.57	0.62	0.48	4.69	4.46	24.85	0.22	13.23	0.05	0.20	0.01	bdl	bdl	100.81	kimberlitic
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-015	nd	0.29	0.03	52.38	0.33	0.34	0.53	2.55	33.77	0.25	10.03	bdl	0.06	0.02	bdl	bdl	100.58	kimberlitic
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-016	nd	0.01	0.08	43.20	0.24	0.39	0.60	1.28	49.54	0.27	5.48	bdl	0.12	0.05	bdl	bdl	101.27	kimberlitic
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-017	nd	0.59	0.01	44.93	0.15	0.48	2.78	6.68	38.71	0.28	9.43	bdl	0.11	0.01	bdl	bdl	104.16	kimberlitic
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-018	nd	0.39	bdl	49.56	0.33	0.41	0.47	4.78	38.51	0.29	8.09	0.11	0.03	0.06	bdl	bdl	103.02	kimberlitic
Horn Plateau	095I_2003_1003	0.25 - 0.5	17964-032	nd	bdl	bdl	51.98	0.05	0.23	bdl	1.28	46.91	1.30	0.08	0.06	0.02	bdl	bdl	bdl	101.90	non-kimberlitic
Horn Plateau	095I_2003_1003	0.25 - 0.5	17964-033	nd	0.31	0.04	54.21	0.61	0.37	2.18	3.82	27.63	0.22	12.23	0.10	0.16	0.02	bdl	bdl	101.90	kimberlitic
Horn Plateau	095I_2003_1003	0.25 - 0.5	17964-034	nd	0.40	0.04	45.22	0.24	0.47	0.42	6.05	45.07	0.31	6.04	bdl	0.07	bdl	bdl	bdl	104.33	kimberlitic
Horn Plateau	095I_2003_1003	0.25 - 0.5	17964-035	nd	0.07	0.04	53.55	0.57	0.33	0.77	2.23	29.85	0.42	11.20	0.16	0.12	0.05	bdl	bdl	99.36	kimberlitic
Horn Plateau	095I_2003_1008	0.25 - 0.5	17964-049	nd	0.11	0.07	46.07	0.43	0.47	1.66	1.91	43.21	0.22	6.86	0.06	0.07	0.01	bdl	bdl	101.15	kimberlitic
Horn Plateau	095I_2003_1014	0.25 - 0.5	17964-061	nd	bdl	0.04	52.66	0.09	0.06	0.07	0.64	45.87	1.55	0.13	0.05	0.07	0.01	bdl	bdl	101.22	non-kimberlitic

Horn Plateau	095I_2003_1016	0.25 - 0.5	17964-062	nd	0.25	bdl	51.49	0.62	0.35	1.60	3.19	30.70	0.21	11.64	0.10	0.10	0.01	bdl	bdl	100.27	kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-072	nd	bdl	0.02	51.30	0.12	0.15	bdl	1.60	48.00	0.48	0.30	0.04	0.04	0.01	bdl	bdl	102.05	non-kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-073	nd	0.33	0.09	48.29	0.17	0.55	2.27	3.19	37.06	0.29	8.89	0.00	0.09	0.01	bdl	bdl	101.22	kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-074	nd	bdl	0.02	51.33	0.11	0.12	0.07	2.55	47.98	0.63	0.26	0.11	bdl	bdl	bdl	bdl	103.18	non-kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-075	nd	0.05	0.00	51.16	0.07	0.26	bdl	1.60	47.86	0.52	0.49	bdl	bdl	0.01	bdl	bdl	102.02	non-kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-076	nd	0.17	0.04	49.86	0.26	0.40	1.23	0.96	36.91	0.33	8.97	0.04	0.06	0.02	bdl	bdl	99.25	kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-078	nd	0.13	0.03	52.24	bdl	0.07	bdl	1.28	45.95	1.11	0.30	0.01	0.08	bdl	bdl	bdl	101.20	non-kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-079	nd	0.14	0.07	52.34	0.10	0.08	0.09	0.96	46.01	0.62	1.04	0.01	bdl	bdl	bdl	bdl	101.47	non-kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-080	nd	0.18	bdl	50.04	bdl	0.22	0.01	5.10	47.72	1.90	0.28	0.13	bdl	bdl	bdl	bdl	105.58	non-kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-082	nd	bdl	0.07	50.20	0.12	0.31	0.08	0.96	48.45	1.08	0.15	0.08	bdl	bdl	bdl	bdl	101.49	non-kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-083	nd	0.49	0.08	49.38	0.06	0.12	0.05	5.73	43.88	5.57	0.02	bdl	0.02	0.01	bdl	bdl	105.43	non-kimberlitic
Horn Plateau	095I_2003_1025	0.25 - 0.5	17964-088	nd	0.24	0.02	49.44	0.25	0.56	1.02	2.23	37.46	0.30	8.55	0.05	0.07	0.01	bdl	bdl	100.19	kimberlitic
Horn Plateau	095I_2003_1025	0.25 - 0.5	17964-089	nd	0.14	0.05	51.92	0.09	0.27	0.08	1.28	46.24	0.85	0.74	0.00	bdl	0.03	bdl	bdl	101.68	non-kimberlitic
Horn Plateau	095I_2003_1035	0.25 - 0.5	17964-094	nd	0.30	0.04	54.82	0.53	0.46	0.52	2.87	28.26	0.27	12.21	0.03	0.05	0.02	bdl	bdl	100.39	kimberlitic
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-118	nd	0.54	bdl	53.26	0.50	0.56	0.69	6.37	30.69	0.40	10.93	0.17	0.16	0.03	bdl	bdl	104.30	kimberlitic
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-140	nd	bdl	0.12	53.55	0.42	0.26	0.59	0.32	30.89	0.37	11.58	0.06	0.06	bdl	bdl	bdl	98.22	kimberlitic
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-142	nd	0.08	0.10	50.47	0.09	0.24	0.06	1.91	48.95	0.34	0.20	0.08	0.03	0.08	bdl	bdl	102.64	non-kimberlitic
Horn Plateau	095I_2003_1063	0.25 - 0.5	17965-006	nd	0.17	0.05	45.09	0.17	0.41	0.54	2.23	46.36	0.31	6.00	bdl	0.13	bdl	bdl	bdl	101.46	kimberlitic
Horn Plateau	095I_2003_1086	0.25 - 0.5	17965-033	nd	0.03	0.08	53.43	0.59	0.44	1.87	2.55	28.27	0.17	12.41	bdl	0.17	0.00	bdl	bdl	100.03	kimberlitic
Horn Plateau	095I_2003_1100	0.25 - 0.5	17965-058	nd	0.20	bdl	52.69	0.64	0.62	3.23	3.19	26.63	0.24	13.08	bdl	0.17	0.02	bdl	bdl	100.73	kimberlitic
Horn Plateau	095I_2003_2004	0.25 - 0.5	17965-079	nd	0.09	0.06	52.94	0.66	0.56	2.66	1.60	26.51	0.35	13.34	bdl	0.15	bdl	bdl	bdl	98.92	kimberlitic
Horn Plateau	095I_2003_2004	0.25 - 0.5	17965-080	nd	0.07	bdl	53.96	0.58	0.52	1.34	1.28	27.28	0.22	12.91	0.08	0.12	bdl	bdl	bdl	98.36	kimberlitic
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-094	nd	0.25	0.04	50.78	0.14	0.24	3.77	3.19	30.84	0.35	10.48	bdl	0.13	0.03	bdl	bdl	100.25	kimberlitic
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-095	nd	0.01	0.07	50.29	0.15	0.61	0.06	bdl	47.18	0.44	0.26	0.02	0.13	0.00	bdl	bdl	99.22	non-kimberlitic
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-096	nd	bdl	0.03	54.04	0.11	0.49	0.14	bdl	43.14	0.57	2.21	0.09	0.05	0.04	bdl	bdl	100.90	non-kimberlitic
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-097	nd	bdl	0.07	49.49	0.17	0.58	0.03	1.91	48.76	0.70	0.19	0.13	bdl	0.00	bdl	bdl	102.02	non-kimberlitic
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-098	nd	bdl	0.02	51.14	0.04	0.26	bdl	2.55	46.59	0.71	0.94	bdl	0.11	bdl	bdl	bdl	102.37	non-kimberlitic
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-099	nd	0.05	0.08	51.78	0.16	0.09	0.01	0.64	45.25	0.72	2.01	0.14	0.06	0.01	bdl	bdl	101.00	non-kimberlitic
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-100	nd	0.15	0.02	50.92	0.21	0.41	0.08	2.55	47.59	0.42	0.36	0.01	bdl	0.01	bdl	bdl	102.73	non-kimberlitic
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-103	nd	0.01	0.10	49.66	0.11	0.59	bdl	1.91	48.85	0.49	0.14	0.08	bdl	0.02	bdl	bdl	101.96	non-kimberlitic
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-104	nd	0.04	0.12	49.93	0.12	0.64	0.03	0.64	48.41	0.48	0.31	0.01	0.02	0.04	bdl	bdl	100.78	non-kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-105	nd	0.64	0.04	46.45	0.16	0.63	2.18	6.68	36.51	0.24	9.66	0.02	0.12	0.00	bdl	bdl	103.35	kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-106	nd	0.11	0.06	52.88	0.60	0.29	1.36	2.23	28.51	0.28	12.89	bdl	0.13	bdl	bdl	bdl	99.34	kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-107	nd	0.24	0.02	51.46	0.56	0.50	1.16	1.91	30.81	0.31	11.61	bdl	0.12	0.04	bdl	bdl	98.75	kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-108	nd	0.24	0.01	51.57	0.04	0.16	bdl	4.46	45.16	1.78	0.52	0.10	0.00	0.01	bdl	bdl	104.05	non-kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-109	nd	0.05	0.02	51.51	0.60	0.29	1.46	bdl	31.88	0.27	11.78	bdl	0.08	0.04	bdl	bdl	97.98	kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-110	nd	0.35	0.04	51.61	0.45	0.34	2.59	3.51	28.88	0.31	12.19	bdl	0.15	0.06	bdl	bdl	100.46	kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-111	nd	bdl	0.05	50.46	0.09	0.33	bdl	0.64	49.17	0.86	0.11	0.02	0.02	bdl	bdl	bdl	101.75	non-kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-112	nd	0.21	0.10	52.31	0.54	0.31	2.13	2.87	28.69	0.22	12.06	bdl	0.16	bdl	bdl	bdl	99.61	kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-113	nd	bdl	0.04	51.02	0.08	0.25	bdl	1.28	47.05	0.97	0.59	0.04	0.05	0.00	bdl	bdl	101.37	non-kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-114	nd	0.33	0.10	49.90	0.06	0.24	0.06	2.55	48.26	1.00	0.30	0.02	0.07	bdl	bdl	bdl	102.90	non-kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-115	nd	0.22	bdl	49.12	0.04	0.44	bdl	2.87	49.45	0.83	0.14	0.09	0.08	bdl	bdl	bdl	103.28	non-kimberlitic
Horn Plateau	095I_2003_2010	0.25 - 0.5	17965-116	nd	0.23	0.05	43.35	0.29	0.45	0.65	3.51	48.38	0.23	5.56	0.07	0.13	0.01	bdl	bdl	102.91	kimberlitic
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-126	nd	bdl	0.02	50.71	0.17	0.39	0.02	bdl	46.60	0.39	0.62	bdl	bdl	0.03	bdl	bdl	98.95	non-kimberlitic
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-127	nd	0.20	0.08	52.05	0.47	0.18	1.48	1.91	30.05	0.25	11.88	0.08	0.16	0.03	bdl	bdl	98.83	kimberlitic

Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-128	nd	0.42	0.01	52.20	0.51	0.41	0.77	5.73	30.56	0.40	10.90	0.06	0.13	0.02	bdl	bdl	102.14	kimberlitic
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-129	nd	0.42	0.06	53.18	0.58	0.35	2.13	4.46	28.29	0.26	11.88	bdl	0.15	0.02	bdl	bdl	101.79	kimberlitic
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-130	nd	bdl	0.05	50.71	0.13	0.14	bdl	1.28	48.01	0.61	0.16	0.03	0.03	0.00	bdl	bdl	101.16	non-kimberlitic
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-132	nd	0.24	0.03	48.80	0.33	0.23	2.94	3.82	33.79	0.29	10.42	0.03	0.17	0.01	bdl	bdl	101.12	kimberlitic
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-133	nd	bdl	bdl	50.96	0.12	0.25	bdl	0.96	48.40	0.52	0.39	bdl	0.13	0.01	bdl	bdl	101.75	non-kimberlitic
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-134	nd	bdl	bdl	50.43	0.12	0.18	bdl	1.60	49.15	0.45	0.17	0.02	bdl	0.03	bdl	bdl	102.14	non-kimberlitic
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-135	nd	0.18	0.02	51.28	0.02	0.14	bdl	2.23	47.36	1.19	0.12	0.06	0.03	0.01	bdl	bdl	102.64	non-kimberlitic
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-136	nd	0.11	0.07	52.64	0.64	0.43	1.48	0.64	29.40	0.27	11.82	0.00	0.14	0.05	bdl	bdl	97.70	kimberlitic
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-137	nd	0.03	0.14	49.79	0.14	0.16	bdl	0.64	47.98	1.27	0.23	bdl	bdl	0.10	bdl	bdl	100.47	non-kimberlitic
Horn Plateau	095I_2003_2015	0.25 - 0.5	17966-002	nd	0.13	0.03	50.42	0.10	0.24	0.12	2.23	46.12	3.44	0.01	0.04	bdl	bdl	bdl	bdl	102.88	non-kimberlitic
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-046	nd	bdl	0.05	53.24	0.45	0.33	2.02	0.96	29.11	0.32	11.91	0.05	0.21	0.02	bdl	bdl	98.67	kimberlitic
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-047	nd	0.25	0.06	53.64	0.49	0.17	1.62	5.10	28.09	0.30	12.22	0.10	0.16	0.02	bdl	bdl	102.22	kimberlitic
Horn Plateau	095I_2003_2033	0.25 - 0.5	17966-048	nd	0.15	bdl	50.08	0.32	0.52	1.15	1.60	35.75	0.28	9.94	bdl	0.09	0.02	bdl	bdl	99.89	kimberlitic
Horn Plateau	095I_2003_2039	0.25 - 0.5	17966-049	nd	0.25	bdl	54.21	0.61	0.20	1.13	1.91	29.33	0.29	11.85	bdl	0.17	0.02	bdl	bdl	99.99	kimberlitic
Horn Plateau	095I_2003_2039	0.25 - 0.5	17966-050	nd	0.36	0.07	50.86	0.66	0.37	1.97	4.46	30.96	0.31	11.68	0.02	0.13	0.02	bdl	bdl	101.86	kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-061	nd	0.17	0.09	47.90	0.09	0.37	0.21	2.23	51.09	0.36	0.57	0.04	0.01	0.02	bdl	bdl	103.15	non-kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-062	nd	0.01	0.08	50.69	0.07	0.23	bdl	1.28	47.10	2.55	0.11	0.07	bdl	bdl	bdl	bdl	102.18	non-kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-063	nd	0.37	0.05	51.23	0.45	0.35	2.01	3.82	31.36	0.24	11.69	0.05	0.06	0.03	bdl	bdl	101.73	kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-064	nd	bdl	0.34	50.44	0.15	0.23	0.03	bdl	47.01	0.72	0.20	0.04	0.07	0.02	bdl	bdl	99.23	non-kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-066	nd	bdl	bdl	49.55	0.06	0.51	bdl	2.23	49.61	1.36	0.11	0.08	bdl	0.02	bdl	bdl	103.54	non-kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-067	nd	bdl	0.05	51.65	0.08	0.18	0.00	0.32	45.88	2.81	0.07	0.06	bdl	bdl	bdl	bdl	101.09	non-kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-068	nd	0.18	0.07	51.41	0.05	0.06	bdl	3.51	47.67	0.62	0.22	0.07	0.01	0.02	bdl	bdl	103.87	non-kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-069	nd	bdl	bdl	51.14	0.06	0.08	0.05	0.32	48.22	0.65	0.21	bdl	0.10	bdl	bdl	bdl	100.83	non-kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-070	nd	bdl	0.07	51.98	0.08	0.25	bdl	bdl	45.94	1.87	0.34	bdl	0.04	0.01	bdl	bdl	100.59	non-kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-071	nd	bdl	0.07	51.12	0.09	0.49	bdl	bdl	48.20	0.42	0.28	bdl	0.04	bdl	bdl	bdl	100.70	non-kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-072	nd	0.18	0.00	52.45	0.07	0.20	0.04	2.23	45.45	0.82	0.73	bdl	0.02	0.02	bdl	bdl	102.20	non-kimberlitic
Horn Plateau	095I_2003_2048	0.25 - 0.5	17966-079	nd	0.17	0.03	51.72	0.09	0.10	0.05	1.91	46.08	2.29	0.11	bdl	0.02	0.00	bdl	bdl	102.56	non-kimberlitic
Horn Plateau	095I_2003_2048	0.25 - 0.5	17966-080	nd	0.21	0.04	49.33	0.19	0.17	0.10	3.82	47.85	1.95	0.76	0.04	0.03	0.01	bdl	bdl	104.50	non-kimberlitic
Horn Plateau	095I_2003_2048	0.25 - 0.5	17966-081	nd	bdl	bdl	51.53	0.05	0.21	0.03	0.32	47.55	1.20	0.08	0.04	bdl	0.03	bdl	bdl	101.05	non-kimberlitic
Horn Plateau	095I_2003_2048	0.25 - 0.5	17966-082	nd	bdl	bdl	51.57	0.03	0.18	bdl	0.32	47.12	1.02	0.63	bdl	0.03	0.01	bdl	bdl	100.91	non-kimberlitic
Horn Plateau	095I_2003_2048	0.25 - 0.5	17966-083	nd	bdl	0.05	52.19	0.02	0.16	0.02	2.87	46.01	1.42	0.13	0.02	bdl	0.04	bdl	bdl	102.93	non-kimberlitic
Horn Plateau	095I_2003_2050	0.25 - 0.5	17966-088	nd	0.27	0.06	53.48	0.53	0.26	1.91	1.60	29.14	0.33	11.84	0.09	0.19	0.02	bdl	bdl	99.71	kimberlitic
Horn Plateau	095I_2003_2053	0.25 - 0.5	17966-090	nd	0.17	0.07	52.86	0.65	0.48	2.92	1.60	26.70	0.24	13.64	0.06	0.20	0.05	bdl	bdl	99.65	kimberlitic
Horn Plateau	095I_2003_2063	0.25 - 0.5	17966-099	nd	0.01	0.05	50.84	0.09	0.38	0.01	0.96	48.59	0.46	0.19	bdl	0.07	0.00	bdl	bdl	101.64	non-kimberlitic
Horn Plateau	095I_2003_2070	0.25 - 0.5	17966-104	nd	0.21	0.09	50.56	0.39	0.37	2.12	1.91	33.49	0.43	10.43	bdl	0.09	0.00	bdl	bdl	100.09	kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-131	nd	0.72	0.06	47.88	0.37	0.30	2.22	7.63	35.54	0.24	9.64	bdl	0.08	0.04	bdl	bdl	104.72	kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-132	nd	0.18	0.07	48.45	0.12	0.10	0.12	2.55	49.60	2.33	0.03	bdl	0.02	0.03	bdl	bdl	103.61	non-kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-133	nd	bdl	bdl	51.18	0.12	0.27	0.01	0.32	45.88	2.97	0.13	bdl	0.06	0.02	bdl	bdl	100.95	non-kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-134	nd	0.16	0.06	49.26	0.33	0.33	0.67	1.28	38.77	0.35	8.21	0.02	0.11	0.03	bdl	bdl	99.57	kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-135	nd	0.46	0.02	51.91	0.07	0.38	0.05	5.41	43.46	3.83	0.02	bdl	0.05	bdl	bdl	bdl	105.66	non-kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-136	nd	0.31	0.04	53.87	0.65	0.40	1.58	4.46	27.57	0.28	12.74	bdl	0.16	0.00	bdl	bdl	102.06	kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-137	nd	bdl	0.05	49.65	0.40	0.43	5.57	0.96	30.45	0.23	11.12	0.01	0.23	0.04	bdl	bdl	99.13	kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-138	nd	0.08	0.00	49.69	0.02	0.21	0.07	2.55	47.98	2.81	0.05	0.11	0.06	0.00	bdl	bdl	103.63	non-kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-139	nd	0.18	0.02	49.99	0.05	0.11	bdl	2.55	48.36	1.50	0.02	0.06	0.11	0.00	bdl	bdl	102.95	non-kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-141	nd	0.49	0.01	51.02	0.10	0.34	bdl	5.73	47.32	0.20	0.32	bdl	0.14	0.01	bdl	bdl	105.68	non-kimberlitic

Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-143	nd	0.40	0.06	49.04	0.36	0.30	0.20	5.73	38.58	0.29	8.40	0.12	0.07	bdl	bdl	bdl	103.55	kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-144	nd	0.33	0.09	51.02	0.38	0.49	1.28	4.46	33.21	0.41	10.54	0.11	0.08	bdl	bdl	bdl	102.39	kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-145	nd	0.28	0.10	53.22	0.48	0.44	0.67	4.14	30.73	0.36	11.09	bdl	0.03	bdl	bdl	bdl	101.55	kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-146	nd	0.09	0.05	49.55	0.07	0.21	0.07	3.19	47.24	3.17	0.02	0.04	0.03	0.00	bdl	bdl	103.75	non-kimberlitic
Horn Plateau	095I_2003_2078	0.25 - 0.5	17966-152	nd	0.08	0.01	51.48	0.45	0.11	bdl	2.87	41.08	0.59	5.19	0.03	0.02	0.08	bdl	bdl	101.99	non-kimberlitic
Horn Plateau	095I_2003_2080	0.25 - 0.5	17966-157	nd	0.23	0.05	42.44	0.24	0.42	0.50	3.19	50.40	0.22	5.22	0.05	0.07	0.00	bdl	bdl	103.02	kimberlitic
Horn Plateau	095I_2003_2080	0.25 - 0.5	17966-158	nd	0.41	bdl	46.77	0.23	0.44	2.29	4.46	38.56	0.28	9.26	0.01	0.10	0.00	bdl	bdl	102.81	kimberlitic
Horn Plateau	095I_2003_2080	0.25 - 0.5	17966-159	nd	0.20	0.06	44.92	0.38	0.31	0.63	2.23	45.97	0.22	6.21	0.03	0.13	bdl	bdl	bdl	101.28	kimberlitic
Horn Plateau	095I_2003_2094	0.25 - 0.5	17967-002	nd	0.45	0.02	44.73	0.21	0.52	4.18	6.05	38.10	0.24	8.82	bdl	0.20	0.01	bdl	bdl	103.52	kimberlitic
Horn Plateau	095I_2003_2096	0.25 - 0.5	17967-003	nd	0.13	0.01	50.21	0.09	0.83	bdl	1.91	47.99	0.47	0.36	bdl	bdl	0.02	bdl	bdl	102.01	non-kimberlitic
Horn Plateau	095I_2003_2109	0.25 - 0.5	17967-017	nd	0.28	bdl	52.11	0.38	0.37	0.42	3.82	33.60	0.37	10.10	0.09	0.07	0.05	bdl	bdl	101.66	kimberlitic
Horn Plateau	095I_2003_2112	0.25 - 0.5	17967-019	nd	0.07	0.05	51.40	0.08	0.06	0.02	2.23	47.60	0.41	0.42	bdl	bdl	bdl	bdl	bdl	102.34	non-kimberlitic
Horn Plateau	095I_2003_2112	0.25 - 0.5	17967-020	nd	0.39	0.06	51.33	0.64	0.46	2.37	4.14	30.20	0.21	11.84	0.03	0.21	0.01	bdl	bdl	101.89	kimberlitic
Horn Plateau	095I_2003_2115	0.25 - 0.5	17967-028	nd	bdl	0.06	53.48	0.48	0.21	1.69	1.28	28.77	0.28	12.39	0.01	0.12	0.01	bdl	bdl	98.79	kimberlitic
Horn Plateau	095I_2003_2117	0.25 - 0.5	17967-033	nd	0.05	0.03	52.88	0.42	0.20	4.72	bdl	27.67	0.32	13.71	0.01	0.13	0.04	bdl	bdl	100.19	kimberlitic
Horn Plateau	095I_2003_2119	0.25 - 0.5	17967-034	nd	0.50	bdl	48.81	0.42	0.54	2.06	5.41	34.48	0.29	9.57	0.01	0.10	0.04	bdl	bdl	102.24	kimberlitic
Horn Plateau	095I_2003_2119	0.25 - 0.5	17967-035	nd	0.56	0.04	49.73	0.36	0.39	7.85	6.68	24.44	0.31	12.77	0.05	0.23	bdl	bdl	bdl	103.40	kimberlitic
Horn Plateau	095I_2003_2122	0.25 - 0.5	17967-044	nd	0.19	0.07	49.65	0.27	0.41	0.96	0.96	36.34	0.29	9.41	bdl	0.03	0.00	bdl	bdl	98.57	kimberlitic
Horn Plateau	095I_2003_2125	0.25 - 0.5	17967-046	nd	0.07	0.04	50.57	0.11	0.67	0.04	0.64	48.45	0.58	0.32	bdl	0.11	0.02	bdl	bdl	101.61	non-kimberlitic
Horn Plateau	095I_2003_2125	0.25 - 0.5	17967-047	nd	bdl	0.04	50.14	0.14	0.39	0.01	1.60	48.19	0.72	0.37	0.06	0.07	bdl	bdl	bdl	101.74	non-kimberlitic
Horn Plateau	095I_2003_2125	0.25 - 0.5	17967-049	nd	0.03	0.03	50.06	0.12	0.35	bdl	bdl	48.14	0.46	0.28	0.03	0.07	bdl	bdl	bdl	99.57	non-kimberlitic
Horn Plateau	095I_2003_2125	0.25 - 0.5	17967-050	nd	0.17	0.07	51.71	0.60	0.53	2.52	1.28	29.15	0.22	11.97	bdl	0.24	0.00	bdl	bdl	98.45	kimberlitic
Horn Plateau	095J_2003_1011	0.25 - 0.5	17967-070	nd	bdl	0.01	51.43	0.12	0.23	0.01	0.32	47.94	0.54	0.48	0.02	bdl	bdl	bdl	bdl	101.08	non-kimberlitic
Horn Plateau	095J_2003_1016	0.25 - 0.5	17967-071	nd	0.36	0.07	53.26	0.53	0.16	0.31	3.19	31.51	0.36	10.77	bdl	0.14	0.03	bdl	bdl	100.69	kimberlitic
Horn Plateau	095J_2003_1016	0.25 - 0.5	17967-072	nd	0.30	0.03	53.51	0.57	0.44	1.35	2.87	28.55	0.36	12.28	0.01	0.12	0.01	bdl	bdl	100.41	kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-100	nd	0.20	0.04	54.95	0.63	0.40	1.54	2.55	24.83	0.32	14.10	0.02	0.26	0.01	bdl	bdl	99.84	kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-101	nd	0.56	bdl	48.92	0.02	0.18	0.01	7.95	43.07	5.82	0.00	0.24	bdl	0.01	bdl	bdl	106.79	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-102	nd	bdl	0.04	51.40	0.01	0.08	bdl	1.28	47.05	2.13	0.06	0.02	0.01	bdl	bdl	bdl	102.08	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-103	nd	0.28	0.19	50.64	0.11	0.29	bdl	3.51	47.00	0.52	0.47	bdl	0.08	0.03	bdl	bdl	103.12	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-104	nd	0.11	0.02	50.57	0.01	0.28	0.06	1.60	48.05	0.51	0.37	0.02	bdl	0.06	bdl	bdl	101.65	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-105	nd	0.12	bdl	52.35	0.13	0.41	1.50	2.23	32.39	0.28	10.55	0.05	0.09	bdl	bdl	bdl	100.10	kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-106	nd	0.21	0.07	49.31	0.10	0.60	0.21	4.14	49.75	0.39	0.20	0.08	0.03	bdl	bdl	bdl	105.08	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-107	nd	0.01	0.04	52.80	0.58	0.42	3.05	0.32	27.15	0.39	13.11	0.08	0.18	0.01	bdl	bdl	98.15	kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-108	nd	bdl	0.01	53.02	0.08	0.17	0.07	1.91	45.84	0.89	0.50	0.01	0.06	0.05	bdl	bdl	102.61	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-109	nd	0.25	bdl	52.33	0.02	0.21	0.05	3.51	45.90	0.89	0.38	0.04	bdl	bdl	bdl	bdl	103.58	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-110	nd	0.17	0.04	52.10	0.07	0.37	0.03	2.87	46.77	0.59	0.56	0.07	0.05	0.02	bdl	bdl	103.72	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-111	nd	0.24	0.12	48.12	0.45	0.37	1.12	2.87	39.31	0.31	8.35	0.05	0.10	bdl	bdl	bdl	101.42	kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-112	nd	0.21	bdl	51.03	0.09	0.29	bdl	3.51	47.28	1.19	0.56	0.13	0.18	bdl	bdl	bdl	104.47	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-113	nd	bdl	0.00	51.43	0.12	0.37	bdl	1.28	48.25	0.59	0.33	0.02	0.03	0.03	bdl	bdl	102.46	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-115	nd	0.16	0.09	47.95	0.11	0.12	0.10	3.51	50.39	0.59	0.94	0.05	0.09	0.03	bdl	bdl	104.12	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-116	nd	bdl	0.06	52.22	0.10	0.21	bdl	0.96	46.39	0.66	0.68	bdl	0.06	bdl	bdl	bdl	101.34	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-117	nd	bdl	0.06	50.33	0.13	0.19	0.05	bdl	48.10	1.68	0.15	0.01	0.12	bdl	bdl	bdl	100.82	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-118	nd	0.17	0.03	50.85	0.10	0.29	0.03	1.60	48.38	0.37	0.44	0.04	0.05	bdl	bdl	bdl	102.33	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-120	nd	0.16	0.34	53.63	0.10	0.08	bdl	2.23	33.92	11.51	0.07	0.03	0.07	0.56	bdl	bdl	102.70	non-kimberlitic
Horn Plateau	095J_2003_1022	0.25 - 0.5	17967-131	nd	bdl	0.09	53.23	0.52	0.22	1.60	1.28	30.01	0.27	11.64	0.10	0.18	0.06	bdl	bdl	99.20	kimberlitic

Horn Plateau	095J_2003_1022	0.25 - 0.5	17967-132	nd	bdl	bdl	44.82	0.38	0.48	0.65	1.60	46.32	0.30	6.06	0.03	0.07	bdl	bdl	bdl	100.70	kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-151	nd	0.36	bdl	45.44	0.27	0.37	0.37	5.41	44.94	0.31	6.46	bdl	0.12	0.04	bdl	bdl	104.10	kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-152	nd	bdl	0.10	51.70	0.08	0.15	0.04	0.64	47.78	0.38	0.36	bdl	bdl	0.02	bdl	bdl	101.25	non-kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-153	nd	0.55	0.02	44.60	0.15	0.49	2.32	6.37	43.25	0.26	6.85	bdl	0.05	bdl	bdl	bdl	104.92	kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-154	nd	bdl	0.03	49.73	0.15	0.39	0.08	bdl	47.80	0.51	0.61	0.11	bdl	0.06	bdl	bdl	99.47	non-kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-155	nd	0.03	0.06	50.93	0.06	0.28	0.04	bdl	47.73	0.44	0.21	bdl	0.04	bdl	bdl	bdl	99.82	non-kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-156	nd	0.20	0.06	49.53	0.10	0.21	bdl	2.55	48.17	2.34	0.10	0.06	0.02	0.02	bdl	bdl	103.36	non-kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-157	nd	0.04	0.01	47.56	0.11	0.34	0.04	1.28	52.08	0.96	0.32	0.01	bdl	bdl	bdl	bdl	102.73	non-kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-167	nd	bdl	0.03	51.91	0.11	0.26	0.01	0.32	46.02	0.86	1.00	0.06	0.07	bdl	bdl	bdl	100.65	non-kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-169	nd	bdl	0.05	50.88	0.07	0.43	0.03	1.28	48.87	0.35	bdl	bdl	0.07	0.05	bdl	bdl	102.07	non-kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-170	nd	bdl	0.02	51.24	0.14	0.08	bdl	bdl	46.62	1.47	0.24	bdl	bdl	0.00	bdl	bdl	99.83	non-kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-171	nd	0.29	0.02	50.77	0.08	0.32	0.01	5.10	47.29	1.54	0.08	0.08	bdl	0.02	bdl	bdl	105.59	non-kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-172	nd	bdl	0.08	49.98	0.09	0.20	0.06	1.28	49.49	0.35	0.06	bdl	bdl	0.01	bdl	bdl	101.60	non-kimberlitic
Horn Plateau	095J_2003_2003	0.25 - 0.5	17967-174	nd	0.26	0.04	43.43	0.23	0.38	0.70	2.87	49.55	0.21	5.18	0.07	0.10	bdl	bdl	bdl	103.01	kimberlitic
Horn Plateau	095J_2003_2003	0.25 - 0.5	17967-175	nd	0.32	0.07	53.04	0.48	0.44	1.11	3.19	29.17	0.34	12.28	bdl	0.18	0.03	bdl	bdl	100.66	kimberlitic
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-021	nd	0.23	bdl	53.82	0.55	0.34	1.64	4.14	28.29	0.33	12.46	0.14	0.22	0.05	bdl	bdl	102.21	kimberlitic
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-022	nd	0.35	0.04	50.81	0.66	0.25	1.73	3.51	32.27	0.35	11.01	bdl	0.07	0.03	bdl	bdl	101.08	kimberlitic
Horn Plateau	095J_2003_2007	0.25 - 0.5	17968-023	nd	0.25	0.04	49.43	0.37	0.45	0.26	2.87	38.98	0.28	7.99	0.10	0.04	0.01	bdl	bdl	101.06	kimberlitic
Horn Plateau	095J_2003_2010	0.25 - 0.5	17968-024	nd	0.36	0.02	44.92	0.33	0.36	0.94	5.10	45.52	0.22	5.98	0.02	0.01	bdl	bdl	bdl	103.78	kimberlitic
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-041	nd	0.24	0.05	53.97	0.44	0.36	3.18	2.55	26.88	0.31	12.67	0.06	0.24	0.02	bdl	bdl	100.98	kimberlitic
Horn Plateau	095J_2003_2016	0.25 - 0.5	17968-044	nd	0.51	0.03	51.45	0.45	0.44	1.85	5.41	31.38	0.28	11.20	0.02	0.12	bdl	bdl	bdl	103.15	kimberlitic
Horn Plateau	095J_2003_2016	0.25 - 0.5	17968-045	nd	0.23	bdl	53.03	0.49	0.40	0.93	2.55	30.28	0.40	12.00	0.05	0.12	0.09	bdl	bdl	100.57	kimberlitic
Horn Plateau	095J_2003_2016	0.25 - 0.5	17968-046	nd	0.16	0.05	52.15	0.62	0.33	2.61	2.87	29.08	0.31	12.06	0.10	0.15	0.05	bdl	bdl	100.55	kimberlitic
Horn Plateau	085E_2005_2122	1.0 - 2.0	21737-001	nd	0.09	0.04	50.96	0.53	0.41	4.93	0.64	26.05	0.29	13.69	0.00	0.19	0.05	bdl	bdl	97.87	kimberlitic
Horn Plateau	085L_2005_1028	1.0 - 2.0	21737-002	nd	0.20	0.04	45.64	0.23	0.56	0.25	3.82	44.74	0.30	6.59	0.04	0.09	0.03	bdl	bdl	102.53	kimberlitic
Horn Plateau	085L_2005_1047	1.0 - 2.0	21737-003	nd	bdl	0.07	51.81	0.59	0.29	2.22	0.96	28.72	0.21	12.94	bdl	0.07	0.06	bdl	bdl	97.95	kimberlitic
Horn Plateau	085E_2005_1002	0.5 - 1.0	21737-005	nd	0.08	0.05	52.85	0.57	0.40	3.01	2.87	25.63	0.25	14.04	0.13	0.31	0.06	bdl	bdl	100.25	kimberlitic
Horn Plateau	085E_2005_1002	0.5 - 1.0	21737-006	nd	0.39	0.01	49.63	0.38	0.52	5.16	4.14	28.72	0.33	11.75	0.03	0.18	bdl	bdl	bdl	101.25	kimberlitic
Horn Plateau	085E_2005_1002	0.5 - 1.0	21737-007	nd	0.19	0.02	43.36	0.28	0.44	0.64	2.55	48.41	0.24	5.91	0.08	0.04	bdl	bdl	bdl	102.17	kimberlitic
Horn Plateau	085E_2005_1002	0.5 - 1.0	21737-008	nd	0.24	0.03	48.49	0.28	0.55	1.85	1.28	35.71	0.35	10.31	0.05	0.11	0.03	bdl	bdl	99.27	kimberlitic
Horn Plateau	085E_2005_1004	0.5 - 1.0	21737-009	nd	0.64	0.08	46.98	0.10	0.37	4.34	8.58	35.86	0.41	8.29	0.04	0.07	0.04	bdl	bdl	105.80	kimberlitic
Horn Plateau	085E_2005_1008	0.5 - 1.0	21737-010	nd	0.36	0.01	50.48	0.44	0.42	1.19	4.78	32.82	0.21	10.96	bdl	0.05	0.04	bdl	bdl	101.76	kimberlitic
Horn Plateau	085E_2005_2122	0.5 - 1.0	21737-011	nd	0.12	0.07	50.93	0.58	0.41	2.70	1.91	29.24	0.31	12.72	0.02	0.19	0.04	bdl	bdl	99.23	kimberlitic
Horn Plateau	085E_2005_2122	0.5 - 1.0	21737-012	nd	0.41	0.02	49.28	0.31	0.38	0.31	6.37	36.18	0.36	9.15	0.14	bdl	0.00	bdl	bdl	102.92	kimberlitic
Horn Plateau	085E_2005_2122	0.5 - 1.0	21737-013	nd	0.64	0.13	42.39	0.26	0.54	5.62	7.00	39.37	0.23	8.13	0.02	0.13	bdl	bdl	bdl	104.47	kimberlitic
Horn Plateau	085E_2005_2122	0.5 - 1.0	21737-014	nd	0.19	0.09	51.20	0.49	0.47	1.33	1.91	29.67	0.36	12.84	0.02	0.14	0.06	bdl	bdl	98.77	kimberlitic
Horn Plateau	085E_2005_2122	0.5 - 1.0	21737-015	nd	0.44	0.03	49.98	0.51	0.50	2.90	4.14	29.97	0.26	12.13	0.04	0.08	0.03	bdl	bdl	101.01	kimberlitic
Horn Plateau	085E_2005_2122	0.5 - 1.0	21737-016	nd	0.21	0.08	50.33	0.59	0.35	2.43	1.28	29.44	0.31	12.67	bdl	0.09	0.02	bdl	bdl	97.79	kimberlitic
Horn Plateau	085E_2005_2122	0.5 - 1.0	21737-017	nd	0.29	0.02	50.11	0.65	0.33	1.44	4.46	31.44	0.36	11.97	0.08	0.10	0.03	bdl	bdl	101.28	kimberlitic
Horn Plateau	085E_2005_2122	0.5 - 1.0	21737-020	nd	0.34	0.04	50.19	0.48	0.53	2.81	3.82	30.07	0.31	12.08	bdl	0.21	0.05	bdl	bdl	100.93	kimberlitic
Horn Plateau	085E_2005_2123	0.5 - 1.0	21737-021	nd	0.31	0.08	52.39	0.51	0.33	1.18	5.41	28.56	0.31	12.77	0.18	0.12	0.01	bdl	bdl	102.17	kimberlitic
Horn Plateau	085E_2005_2123	0.5 - 1.0	21737-022	nd	0.40	0.03	46.55	0.19	0.41	2.88	6.05	37.67	0.24	9.09	0.01	0.07	bdl	bdl	bdl	103.60	kimberlitic
Horn Plateau	085E_2005_2123	0.5 - 1.0	21737-023	nd	0.11	bdl	52.81	0.44	0.27	1.09	2.87	29.79	0.36	12.10	0.01	0.14	bdl	bdl	bdl	99.98	kimberlitic
Horn Plateau	085E_2005_2190	0.5 - 1.0	21737-024	nd	0.25	0.02	42.52	0.24	0.46	0.65	4.14	49.42	0.25	5.63	0.11	0.07	bdl	bdl	bdl	103.75	kimberlitic
Horn Plateau	085E_2005_2190	0.5 - 1.0	21737-025	nd	0.24	0.08	52.50	0.59	0.34	1.54	3.19	28.02	0.32	12.95	0.03	0.13	0.07	bdl	bdl	99.99	kimberlitic

Horn Plateau	085E_2005_2190	0.5 - 1.0	21737-026	nd	0.31	0.77	43.75	0.24	0.32	0.67	1.91	46.84	0.14	6.01	0.00	0.11	0.02	bdl	bdl	101.08	kimberlitic
Horn Plateau	085E_2005_2190	0.5 - 1.0	21737-027	nd	bdl	0.06	51.18	0.57	0.43	2.12	1.28	29.10	0.25	12.83	0.14	0.22	0.04	bdl	bdl	98.21	kimberlitic
Horn Plateau	085E_2005_2192	0.5 - 1.0	21737-028	nd	0.36	0.01	48.89	0.50	0.60	1.70	6.37	32.99	0.30	11.09	0.01	0.08	0.05	bdl	bdl	102.95	kimberlitic
Horn Plateau	085E_2005_2192	0.5 - 1.0	21737-029	nd	bdl	0.09	52.20	0.45	0.54	1.39	bdl	30.77	0.21	12.66	0.05	0.05	0.04	bdl	bdl	98.46	kimberlitic
Horn Plateau	085F_2005_1003	0.5 - 1.0	21737-031	nd	0.47	bdl	42.67	0.21	0.47	0.49	6.05	49.51	0.26	5.37	bdl	0.13	0.01	bdl	bdl	105.64	kimberlitic
Horn Plateau	085L_2005_1006	0.5 - 1.0	21737-032	nd	0.36	0.04	49.95	0.56	0.50	1.71	2.55	32.00	0.34	11.32	0.04	0.12	0.02	bdl	bdl	99.51	kimberlitic
Horn Plateau	085L_2005_1007	0.5 - 1.0	21737-033	nd	0.44	0.05	49.22	0.42	0.35	8.52	4.46	23.61	0.33	13.40	bdl	0.27	0.04	bdl	bdl	101.08	kimberlitic
Horn Plateau	085L_2005_1007	0.5 - 1.0	21737-035	nd	0.17	bdl	51.58	0.07	0.18	bdl	3.19	46.76	1.26	0.26	0.11	bdl	bdl	bdl	bdl	103.58	non-kimberlitic
Horn Plateau	085L_2005_1007	0.5 - 1.0	21737-037	nd	0.07	0.05	53.40	0.75	0.47	1.82	1.91	26.70	0.32	13.50	0.09	0.16	0.04	bdl	bdl	99.28	kimberlitic
Horn Plateau	085L_2005_1007	0.5 - 1.0	21737-038	nd	0.48	0.05	52.32	0.60	0.46	1.76	4.78	27.52	0.27	13.53	bdl	0.25	bdl	bdl	bdl	102.02	kimberlitic
Horn Plateau	085L_2005_1011	0.5 - 1.0	21737-039	nd	0.42	0.02	51.12	0.49	0.47	0.91	5.41	33.77	0.42	11.25	0.07	bdl	0.02	bdl	bdl	104.36	kimberlitic
Horn Plateau	085L_2005_1011	0.5 - 1.0	21737-040	nd	0.29	bdl	53.87	0.77	0.44	0.53	3.19	27.59	0.30	14.45	0.16	0.12	bdl	bdl	bdl	101.71	kimberlitic
Horn Plateau	085L_2005_1011	0.5 - 1.0	21737-041	nd	0.09	0.09	50.93	0.54	0.44	1.47	2.55	33.53	0.36	11.27	bdl	0.11	0.03	bdl	bdl	101.43	kimberlitic
Horn Plateau	085L_2005_1016	0.5 - 1.0	21737-042	nd	0.27	0.03	50.52	0.57	0.49	3.79	3.19	30.41	0.33	12.60	0.01	0.24	0.02	bdl	bdl	102.48	kimberlitic
Horn Plateau	085L_2005_1017	0.5 - 1.0	21737-043	nd	0.12	0.20	52.15	0.65	0.42	1.76	1.91	30.91	0.29	12.32	0.10	0.09	0.06	bdl	bdl	101.01	kimberlitic
Horn Plateau	085L_2005_1017	0.5 - 1.0	21737-044	nd	bdl	0.04	48.76	0.87	0.23	0.04	0.64	45.63	0.26	5.12	0.00	bdl	0.02	bdl	bdl	101.59	non-kimberlitic
Horn Plateau	085L_2005_1018	0.5 - 1.0	21737-045	nd	0.25	0.02	52.14	0.40	0.42	2.58	3.51	29.35	0.30	12.40	0.21	0.09	bdl	bdl	bdl	101.67	kimberlitic
Horn Plateau	085L_2005_1018	0.5 - 1.0	21737-046	nd	0.23	0.05	44.72	0.29	0.39	0.92	2.23	47.07	0.12	6.23	bdl	0.03	bdl	bdl	bdl	102.29	kimberlitic
Horn Plateau	085L_2005_1019	0.5 - 1.0	21737-047	nd	0.23	0.03	51.34	0.31	0.40	4.24	2.23	27.84	0.38	12.94	0.09	0.13	0.01	bdl	bdl	100.18	kimberlitic
Horn Plateau	085L_2005_1019	0.5 - 1.0	21737-048	nd	0.07	0.08	52.85	0.40	0.36	1.00	0.96	33.22	0.37	10.79	0.14	0.04	0.00	bdl	bdl	100.29	kimberlitic
Horn Plateau	085L_2005_1028	0.5 - 1.0	21737-050	nd	0.49	0.05	51.11	0.36	0.56	1.10	4.78	32.92	0.33	11.50	0.01	0.01	0.02	bdl	bdl	103.22	kimberlitic
Horn Plateau	085L_2005_1033	0.5 - 1.0	21737-051	nd	0.13	0.08	50.43	0.57	0.47	3.02	1.60	32.64	0.40	10.75	bdl	0.13	0.03	bdl	bdl	100.25	kimberlitic
Horn Plateau	085L_2005_1033	0.5 - 1.0	21737-052	nd	0.31	0.09	49.93	0.37	0.39	0.19	4.14	39.05	0.23	8.84	0.10	0.17	0.01	bdl	bdl	103.83	kimberlitic
Horn Plateau	085L_2005_1033	0.5 - 1.0	21737-053	nd	bdl	0.04	52.98	0.53	0.34	2.49	1.60	29.34	0.35	12.64	bdl	0.16	0.01	bdl	bdl	100.46	kimberlitic
Horn Plateau	085L_2005_1033	0.5 - 1.0	21737-054	nd	0.35	bdl	52.01	0.41	0.40	4.84	4.78	26.52	0.17	13.38	0.05	0.27	0.00	bdl	bdl	103.19	kimberlitic
Horn Plateau	085L_2005_1035	0.5 - 1.0	21737-055	nd	0.37	0.05	43.86	0.25	0.40	0.56	5.73	48.18	0.30	5.75	0.13	0.11	0.01	bdl	bdl	105.71	kimberlitic
Horn Plateau	085L_2005_1035	0.5 - 1.0	21737-056	nd	0.04	0.06	50.84	0.57	0.57	3.16	0.96	30.54	0.38	12.20	bdl	0.13	0.06	bdl	bdl	99.50	kimberlitic
Horn Plateau	085L_2005_1037	0.5 - 1.0	21737-057	nd	0.18	0.11	53.69	0.61	0.36	1.26	1.60	27.90	0.41	13.33	0.01	0.01	0.02	bdl	bdl	99.48	kimberlitic
Horn Plateau	085L_2005_1037	0.5 - 1.0	21737-058	nd	0.31	0.04	52.55	0.38	0.30	0.88	3.51	32.32	0.28	10.71	bdl	0.06	0.03	bdl	bdl	101.37	kimberlitic
Horn Plateau	085L_2005_1037	0.5 - 1.0	21737-059	nd	0.05	0.03	50.26	0.11	0.70	0.06	0.32	49.18	0.50	0.32	0.05	0.06	0.03	bdl	bdl	101.67	non-kimberlitic
Horn Plateau	085L_2005_1039	0.5 - 1.0	21737-060	nd	0.23	bdl	52.32	0.51	0.29	1.17	4.46	29.58	0.32	12.92	0.08	0.11	0.01	bdl	bdl	101.99	kimberlitic
Horn Plateau	085L_2005_1046	0.5 - 1.0	21737-061	nd	0.16	0.05	51.08	0.36	0.49	1.90	3.51	31.94	0.40	11.82	0.08	0.11	bdl	bdl	bdl	101.90	kimberlitic
Horn Plateau	085L_2005_1047	0.5 - 1.0	21737-062	nd	0.24	bdl	46.90	0.32	0.40	1.45	1.91	41.96	0.19	7.37	0.07	0.09	bdl	bdl	bdl	100.92	kimberlitic
Horn Plateau	085L_2005_1047	0.5 - 1.0	21737-063	nd	0.55	0.04	50.34	0.45	0.45	1.93	5.41	32.67	0.33	11.12	0.05	bdl	0.03	bdl	bdl	103.38	kimberlitic
Horn Plateau	085L_2005_1053	0.5 - 1.0	21737-064	nd	0.01	0.04	46.85	0.44	0.50	0.95	0.32	43.53	0.28	7.45	0.05	0.11	0.01	bdl	bdl	100.54	kimberlitic
Horn Plateau	085L_2005_1053	0.5 - 1.0	21737-065	nd	0.50	0.10	47.40	0.29	0.56	2.43	5.73	37.01	0.35	9.49	bdl	0.08	bdl	bdl	bdl	103.95	kimberlitic
Horn Plateau	085L_2005_1053	0.5 - 1.0	21737-066	nd	0.26	0.07	48.27	0.46	0.33	0.38	3.82	40.44	0.40	8.19	bdl	0.10	0.04	bdl	bdl	102.74	kimberlitic
Horn Plateau	085L_2005_1059	0.5 - 1.0	21737-067	nd	0.16	0.01	45.10	0.33	0.30	1.00	1.28	46.72	0.24	6.54	bdl	0.03	bdl	bdl	bdl	101.70	kimberlitic
Horn Plateau	085L_2005_1059	0.5 - 1.0	21737-068	nd	0.15	0.02	52.36	0.39	0.34	1.03	0.32	32.61	0.35	10.98	0.04	0.09	0.02	bdl	bdl	98.70	kimberlitic
Horn Plateau	085L_2005_1067	0.5 - 1.0	21737-069	nd	0.22	0.05	50.39	0.55	0.39	3.16	4.14	29.68	0.43	12.16	0.12	0.25	0.03	bdl	bdl	101.57	kimberlitic
Horn Plateau	085L_2005_1067	0.5 - 1.0	21737-070	nd	0.08	0.03	52.21	0.44	0.54	1.00	0.96	31.36	0.38	12.26	0.01	0.09	0.03	bdl	bdl	99.37	kimberlitic
Horn Plateau	085L_2005_1067	0.5 - 1.0	21737-071	nd	0.57	0.05	52.33	0.53	0.47	2.92	6.37	27.31	0.26	13.39	0.11	0.15	0.03	bdl	bdl	104.49	kimberlitic
Horn Plateau	085L_2005_1067	0.5 - 1.0	21737-072	nd	0.46	bdl	49.66	0.41	0.65	1.03	4.14	35.46	0.31	10.20	bdl	0.09	0.02	bdl	bdl	102.43	kimberlitic
Horn Plateau	085L_2005_1067	0.5 - 1.0	21737-073	nd	bdl	0.05	51.06	0.67	0.41	3.53	bdl	31.31	0.23	12.93	0.03	0.16	0.02	bdl	bdl	100.41	kimberlitic
Horn Plateau	085L_2005_1074	0.5 - 1.0	21737-074	nd	0.26	0.07	51.49	0.47	0.42	1.79	3.19	32.23	0.46	11.10	0.12	0.05	0.03	bdl	bdl	101.68	kimberlitic

Horn Plateau	085L_2005_1080	0.5 - 1.0	21737-075	nd	0.08	0.06	44.52	0.29	0.29	0.72	1.91	47.08	0.28	6.43	0.00	0.05	bdl	bdl	bdl	101.73	kimberlitic
Horn Plateau	085L_2005_1082	0.5 - 1.0	21737-076	nd	0.45	0.08	50.98	0.59	0.62	1.14	4.78	31.48	0.33	12.16	0.11	0.14	0.02	bdl	bdl	102.88	kimberlitic
Horn Plateau	085L_2005_1082	0.5 - 1.0	21737-077	nd	0.22	bdl	47.90	0.21	0.47	0.87	4.78	38.79	0.37	8.79	0.16	0.04	0.05	bdl	bdl	102.65	kimberlitic
Horn Plateau	085L_2005_1082	0.5 - 1.0	21737-078	nd	1.00	0.03	49.72	0.01	0.12	bdl	12.06	47.69	0.92	0.03	bdl	0.04	bdl	bdl	bdl	111.62	non-kimberlitic
Horn Plateau	085L_2005_1082	0.5 - 1.0	21737-079	nd	bdl	0.00	50.32	0.07	0.25	bdl	1.60	47.38	2.32	0.16	0.01	0.01	bdl	bdl	bdl	102.10	non-kimberlitic
Horn Plateau	085L_2005_1082	0.5 - 1.0	21737-080	nd	0.34	0.02	47.97	0.21	0.53	0.95	4.14	38.95	0.30	9.08	0.07	0.09	0.04	bdl	bdl	102.71	kimberlitic
Horn Plateau	085L_2005_1084	0.5 - 1.0	21737-081	nd	0.22	0.01	49.02	0.48	0.36	8.99	2.55	25.06	0.29	13.78	bdl	0.27	0.06	bdl	bdl	101.09	kimberlitic
Horn Plateau	085L_2005_1084	0.5 - 1.0	21737-082	nd	0.17	0.09	53.24	0.46	0.27	1.24	0.96	30.45	0.29	12.43	0.12	0.21	0.05	bdl	bdl	99.98	kimberlitic
Horn Plateau	085L_2005_1084	0.5 - 1.0	21737-083	nd	0.26	0.06	52.61	0.78	0.54	3.68	3.82	24.76	0.33	14.14	0.12	0.14	0.01	bdl	bdl	101.25	kimberlitic
Horn Plateau	085L_2005_1084	0.5 - 1.0	21737-084	nd	0.37	0.03	47.59	0.14	0.29	1.76	3.82	36.14	0.39	10.28	bdl	0.16	0.05	bdl	bdl	101.01	kimberlitic
Horn Plateau	085L_2005_1084	0.5 - 1.0	21737-085	nd	0.50	0.06	47.67	0.44	0.34	0.33	5.10	40.99	0.35	8.24	bdl	0.04	0.00	bdl	bdl	104.05	kimberlitic
Horn Plateau	085L_2005_1085	0.5 - 1.0	21737-086	nd	bdl	0.09	52.41	0.56	0.54	1.99	0.64	29.02	0.34	12.88	bdl	0.17	0.04	bdl	bdl	98.67	kimberlitic
Horn Plateau	085L_2005_1085	0.5 - 1.0	21737-087	nd	0.26	0.05	52.46	0.36	0.42	1.59	3.82	29.45	0.32	12.48	0.04	0.16	0.01	bdl	bdl	101.42	kimberlitic
Horn Plateau	085L_2005_1093	0.5 - 1.0	21737-088	nd	0.33	0.08	51.75	0.39	0.51	2.45	3.19	30.08	0.34	12.51	0.04	0.10	0.02	bdl	bdl	101.79	kimberlitic
Horn Plateau	085L_2005_1093	0.5 - 1.0	21737-089	nd	0.30	0.03	51.70	0.59	0.55	1.26	2.87	29.89	0.28	12.05	bdl	0.15	0.03	bdl	bdl	99.69	kimberlitic
Horn Plateau	085L_2005_1093	0.5 - 1.0	21737-090	nd	0.18	0.03	50.11	0.68	0.47	4.15	1.60	29.38	0.30	12.43	bdl	0.14	0.05	bdl	bdl	99.53	kimberlitic
Horn Plateau	085L_2005_1096	0.5 - 1.0	21737-091	nd	0.05	0.26	51.04	0.52	0.42	1.24	1.28	32.45	0.31	10.25	0.04	0.07	0.02	bdl	bdl	97.95	kimberlitic
Horn Plateau	085L_2005_1096	0.5 - 1.0	21737-092	nd	0.76	0.04	48.40	0.31	0.50	0.31	8.58	39.43	0.29	8.28	bdl	0.04	0.04	bdl	bdl	106.98	kimberlitic
Horn Plateau	085L_2005_1097	0.5 - 1.0	21737-093	nd	0.24	0.07	53.79	0.48	0.39	1.85	2.23	28.56	0.27	12.73	0.08	0.11	0.02	bdl	bdl	100.83	kimberlitic
Horn Plateau	085L_2005_1100	0.5 - 1.0	21737-094	nd	0.08	bdl	52.59	0.04	0.05	0.01	1.60	47.23	0.19	0.28	0.04	0.03	bdl	bdl	bdl	102.15	non-kimberlitic
Horn Plateau	085L_2005_1100	0.5 - 1.0	21737-095	nd	0.19	0.04	50.75	0.09	0.27	bdl	1.91	47.75	1.94	0.02	0.04	bdl	0.00	bdl	bdl	103.01	non-kimberlitic
Horn Plateau	085L_2005_1102	0.5 - 1.0	21737-096	nd	0.37	0.03	54.39	0.59	0.39	1.78	3.51	26.68	0.20	13.81	0.10	0.28	0.04	bdl	bdl	102.17	kimberlitic
Horn Plateau	085L_2005_1102	0.5 - 1.0	21737-097	nd	bdl	0.02	49.98	0.36	0.43	0.17	3.19	38.30	0.31	8.91	0.17	0.01	0.05	bdl	bdl	101.91	kimberlitic
Horn Plateau	085E_2005_1002	0.25 - 0.5	21738-001	nd	0.01	bdl	44.92	0.33	0.40	2.01	bdl	44.46	0.27	7.28	bdl	0.10	bdl	bdl	bdl	99.77	kimberlitic
Horn Plateau	085E_2005_1002	0.25 - 0.5	21738-002	nd	0.05	0.06	48.82	0.27	0.51	1.35	0.64	37.63	0.32	9.30	0.02	0.09	0.01	bdl	bdl	99.08	kimberlitic
Horn Plateau	085E_2005_1002	0.25 - 0.5	21738-003	nd	0.32	0.04	51.73	0.34	0.43	0.69	3.51	33.13	0.36	10.69	0.13	0.10	0.00	bdl	bdl	101.46	kimberlitic
Horn Plateau	085E_2005_1008	0.25 - 0.5	21738-004	nd	0.46	0.02	40.87	0.22	0.67	5.68	6.37	43.73	0.15	7.33	0.01	0.04	bdl	bdl	bdl	105.55	kimberlitic
Horn Plateau	085E_2005_2122	0.25 - 0.5	21738-005	nd	0.81	0.03	39.88	0.17	0.35	4.02	8.90	48.96	0.30	5.31	0.08	0.05	bdl	bdl	bdl	108.86	kimberlitic
Horn Plateau	085E_2005_2122	0.25 - 0.5	21738-006	nd	0.37	0.06	51.82	0.62	0.57	2.57	3.51	29.78	0.20	12.53	bdl	0.11	0.02	bdl	bdl	102.14	kimberlitic
Horn Plateau	085E_2005_2122	0.25 - 0.5	21738-007	nd	0.09	0.07	52.08	0.60	0.48	3.45	1.91	27.23	0.24	13.48	0.12	0.13	0.00	bdl	bdl	99.87	kimberlitic
Horn Plateau	085E_2005_2124	0.25 - 0.5	21738-008	nd	0.29	0.01	49.70	0.45	0.52	1.79	3.82	34.89	0.35	10.47	0.03	0.05	0.05	bdl	bdl	102.44	kimberlitic
Horn Plateau	085E_2005_2124	0.25 - 0.5	21738-009	nd	0.05	0.08	52.82	0.54	0.37	2.05	bdl	31.16	0.29	12.85	0.05	0.22	0.03	bdl	bdl	100.51	kimberlitic
Horn Plateau	085E_2005_2124	0.25 - 0.5	21738-010	nd	0.19	0.08	45.52	0.26	0.38	0.76	2.55	45.63	0.24	6.64	0.15	0.09	bdl	bdl	bdl	102.48	kimberlitic
Horn Plateau	085E_2005_2185	0.25 - 0.5	21738-011	nd	0.31	0.04	46.15	0.35	0.53	0.80	3.19	45.38	0.22	6.57	bdl	0.04	0.01	bdl	bdl	103.58	kimberlitic
Horn Plateau	085L_2005_1011	0.25 - 0.5	21738-0110	nd	bdl	0.02	50.72	0.06	0.73	0.11	0.32	49.09	0.53	0.29	bdl	0.10	0.02	bdl	bdl	101.99	non-kimberlitic
Horn Plateau	085E_2005_2190	0.25 - 0.5	21738-012	nd	0.26	0.07	54.51	0.43	0.23	1.09	2.55	28.99	0.36	12.99	bdl	0.12	0.01	bdl	bdl	101.62	kimberlitic
Horn Plateau	085E_2005_2190	0.25 - 0.5	21738-013	nd	0.42	bdl	51.00	0.46	0.29	1.00	4.78	33.87	0.37	10.96	0.04	bdl	0.06	bdl	bdl	103.24	kimberlitic
Horn Plateau	085F_2005_1002	0.25 - 0.5	21738-014	nd	0.41	0.02	44.20	0.22	0.25	0.53	4.78	48.97	0.36	5.74	0.10	0.04	bdl	bdl	bdl	105.63	kimberlitic
Horn Plateau	085L_2005_1004	0.25 - 0.5	21738-015	nd	0.10	0.07	52.69	0.66	0.50	1.79	0.64	30.31	0.33	12.59	bdl	0.10	0.01	bdl	bdl	99.79	kimberlitic
Horn Plateau	085L_2005_1062	0.25 - 0.5	21738-0155	nd	0.13	bdl	51.84	0.06	0.26	bdl	3.19	46.67	2.30	0.15	0.07	bdl	bdl	bdl	bdl	104.67	non-kimberlitic
Horn Plateau	085L_2005_1062	0.25 - 0.5	21738-0157	nd	0.11	0.01	50.83	0.10	0.43	0.04	2.23	49.08	0.33	0.35	0.00	0.07	bdl	bdl	bdl	103.59	non-kimberlitic
Horn Plateau	085L_2005_1062	0.25 - 0.5	21738-0159	nd	bdl	0.61	50.71	0.09	0.43	bdl	0.64	48.22	0.66	0.68	0.01	0.02	0.03	bdl	bdl	102.11	non-kimberlitic
Horn Plateau	085L_2005_1004	0.25 - 0.5	21738-016	nd	bdl	0.03	45.89	0.26	0.32	0.83	bdl	45.78	0.24	6.46	bdl	0.01	0.04	bdl	bdl	99.86	kimberlitic
Horn Plateau	085L_2005_1004	0.25 - 0.5	21738-017	nd	0.07	0.04	52.53	0.56	0.49	2.97	0.96	28.96	0.28	12.65	0.03	0.12	0.03	bdl	bdl	99.69	kimberlitic
Horn Plateau	085L_2005_1004	0.25 - 0.5	21738-018	nd	0.08	0.07	54.65	0.67	0.37	1.14	0.32	26.82	0.27	14.17	0.09	0.16	0.05	bdl	bdl	98.84	kimberlitic

Horn Plateau	085L_2005_1006	0.25 - 0.5	21738-019	nd	0.34	bdl	44.47	0.29	0.32	0.51	5.10	47.05	0.28	6.26	0.15	0.14	0.02	bdl	bdl	104.92	kimberlitic
Horn Plateau	085L_2005_1007	0.25 - 0.5	21738-020	nd	0.52	0.02	42.44	0.19	0.53	0.57	5.10	50.20	0.17	5.31	bdl	0.03	0.01	bdl	bdl	105.09	kimberlitic
Horn Plateau	085L_2005_1007	0.25 - 0.5	21738-021	nd	0.64	0.06	50.36	0.65	0.48	1.71	6.37	31.65	0.31	11.43	0.05	0.11	0.03	bdl	bdl	103.83	kimberlitic
Horn Plateau	085L_2005_1007	0.25 - 0.5	21738-022	nd	0.20	0.02	48.07	0.55	0.24	0.04	3.19	46.24	1.53	2.78	0.11	0.08	0.01	bdl	bdl	103.05	non-kimberlitic
Horn Plateau	085L_2005_1007	0.25 - 0.5	21738-023	nd	0.28	0.06	50.83	0.62	0.53	3.25	4.14	29.06	0.38	12.66	0.10	0.17	0.02	bdl	bdl	102.10	kimberlitic
Horn Plateau	085L_2005_1010	0.25 - 0.5	21738-024	nd	0.41	0.28	42.05	0.18	0.36	0.36	5.41	51.01	0.24	5.16	bdl	0.05	bdl	bdl	bdl	105.52	kimberlitic
Horn Plateau	085L_2005_1011	0.25 - 0.5	21738-025	nd	0.60	0.05	46.31	0.27	0.64	3.38	7.32	38.31	0.43	9.06	bdl	0.11	0.01	bdl	bdl	106.49	kimberlitic
Horn Plateau	085L_2005_1011	0.25 - 0.5	21738-026	nd	bdl	0.02	51.06	0.11	0.20	bdl	2.23	48.51	0.63	0.39	0.13	0.02	bdl	bdl	bdl	103.30	non-kimberlitic
Horn Plateau	085L_2005_1011	0.25 - 0.5	21738-027	nd	bdl	0.01	53.38	0.04	0.23	0.01	0.32	46.40	1.86	0.03	0.06	bdl	bdl	bdl	bdl	102.33	non-kimberlitic
Horn Plateau	085L_2005_1011	0.25 - 0.5	21738-028	nd	0.36	0.08	48.10	0.32	0.55	2.28	4.78	37.31	0.41	9.47	0.01	0.21	bdl	bdl	bdl	103.87	kimberlitic
Horn Plateau	085L_2005_1011	0.25 - 0.5	21738-029	nd	0.35	0.07	43.43	0.21	0.50	0.50	3.51	49.34	0.35	5.45	bdl	0.13	0.03	bdl	bdl	103.89	kimberlitic
Horn Plateau	085L_2005_1016	0.25 - 0.5	21738-030	nd	0.08	0.03	53.80	0.49	0.46	0.91	1.60	31.01	0.36	11.99	0.17	0.08	bdl	bdl	bdl	100.98	kimberlitic
Horn Plateau	085L_2005_1016	0.25 - 0.5	21738-031	nd	0.38	bdl	43.53	0.28	0.41	0.53	5.41	49.58	0.29	5.36	0.04	bdl	0.03	bdl	bdl	105.84	kimberlitic
Horn Plateau	085L_2005_1017	0.25 - 0.5	21738-032	nd	0.30	0.03	49.54	0.10	0.37	4.30	3.19	35.58	0.24	9.15	0.07	0.21	0.03	bdl	bdl	103.10	kimberlitic
Horn Plateau	085L_2005_1017	0.25 - 0.5	21738-033	nd	0.25	bdl	42.11	0.27	0.68	4.97	3.19	43.66	0.35	7.43	0.03	0.08	0.03	bdl	bdl	103.04	kimberlitic
Horn Plateau	085L_2005_1017	0.25 - 0.5	21738-034	nd	0.34	0.07	53.92	0.34	0.33	3.06	5.10	26.32	0.28	13.34	bdl	0.10	0.01	bdl	bdl	103.20	kimberlitic
Horn Plateau	085L_2005_1017	0.25 - 0.5	21738-035	nd	0.34	0.06	52.17	0.72	0.38	2.50	2.55	29.85	0.29	12.44	0.05	0.06	0.03	bdl	bdl	101.44	kimberlitic
Horn Plateau	085L_2005_1018	0.25 - 0.5	21738-036	nd	0.29	0.02	48.94	0.41	0.39	2.11	1.60	36.04	0.33	10.32	0.07	0.05	0.02	bdl	bdl	100.59	kimberlitic
Horn Plateau	085L_2005_1023	0.25 - 0.5	21738-037	nd	0.04	0.04	53.38	0.55	0.49	1.58	1.60	27.42	0.36	13.53	bdl	0.14	0.04	bdl	bdl	99.16	kimberlitic
Horn Plateau	085L_2005_1023	0.25 - 0.5	21738-038	nd	0.49	bdl	52.38	0.39	0.28	5.94	6.05	23.97	0.39	14.16	0.06	0.22	0.03	bdl	bdl	104.36	kimberlitic
Horn Plateau	085L_2005_1027	0.25 - 0.5	21738-039	nd	0.34	bdl	47.85	0.28	0.38	0.23	5.41	42.75	0.36	7.55	0.06	0.07	0.02	bdl	bdl	105.31	kimberlitic
Horn Plateau	085L_2005_1028	0.25 - 0.5	21738-040	nd	bdl	0.05	51.02	0.42	0.51	1.40	0.64	33.85	0.37	11.27	0.00	0.12	0.04	bdl	bdl	99.68	kimberlitic
Horn Plateau	085L_2005_1028	0.25 - 0.5	21738-041	nd	0.16	0.03	53.95	0.59	0.49	1.77	0.32	28.30	0.37	13.85	0.10	0.21	0.04	bdl	bdl	100.19	kimberlitic
Horn Plateau	085L_2005_1030	0.25 - 0.5	21738-042	nd	0.44	0.06	52.64	0.55	0.39	4.99	5.73	24.93	0.37	14.35	0.05	0.29	0.02	bdl	bdl	104.82	kimberlitic
Horn Plateau	085L_2005_1030	0.25 - 0.5	21738-043	nd	0.26	0.01	51.78	0.41	0.35	0.18	2.55	35.44	0.41	9.84	0.13	0.03	bdl	bdl	bdl	101.40	kimberlitic
Horn Plateau	085L_2005_1033	0.25 - 0.5	21738-044	nd	0.18	0.07	51.53	0.77	0.45	7.34	2.87	24.53	0.15	13.43	bdl	0.30	bdl	bdl	bdl	101.63	kimberlitic
Horn Plateau	085L_2005_1033	0.25 - 0.5	21738-045	nd	0.25	0.02	45.58	0.27	0.55	0.57	3.82	46.56	0.25	6.27	0.09	0.10	0.00	bdl	bdl	104.34	kimberlitic
Horn Plateau	085L_2005_1033	0.25 - 0.5	21738-046	nd	bdl	0.08	53.69	0.75	0.54	2.93	bdl	31.83	0.23	12.27	0.13	0.16	0.00	bdl	bdl	102.61	kimberlitic
Horn Plateau	085L_2005_1035	0.25 - 0.5	21738-047	nd	0.10	0.01	54.19	0.46	0.43	1.08	1.60	29.10	0.23	13.08	0.08	0.17	0.03	bdl	bdl	100.53	kimberlitic
Horn Plateau	085L_2005_1035	0.25 - 0.5	21738-048	nd	0.10	bdl	54.51	0.50	0.33	1.62	1.28	28.24	0.30	12.95	0.04	0.20	0.02	bdl	bdl	100.10	kimberlitic
Horn Plateau	085L_2005_1037	0.25 - 0.5	21738-049	nd	0.08	0.06	51.84	0.57	0.42	1.61	1.28	32.55	0.31	11.55	0.14	0.15	0.03	bdl	bdl	100.58	kimberlitic
Horn Plateau	085L_2005_1039	0.25 - 0.5	21738-050	nd	bdl	bdl	52.54	0.10	0.28	bdl	0.64	48.07	0.70	0.15	0.04	bdl	0.02	bdl	bdl	102.54	non-kimberlitic
Horn Plateau	085L_2005_1039	0.25 - 0.5	21738-051	nd	0.10	0.03	53.52	0.59	0.38	3.07	0.64	27.67	0.36	13.69	bdl	0.17	bdl	bdl	bdl	100.23	kimberlitic
Horn Plateau	085L_2005_1039	0.25 - 0.5	21738-052	nd	0.12	0.07	53.70	0.48	0.62	3.87	1.28	25.56	0.33	13.92	0.05	0.14	0.05	bdl	bdl	100.20	kimberlitic
Horn Plateau	085L_2005_1042	0.25 - 0.5	21738-053	nd	0.49	bdl	51.83	0.48	0.39	1.81	6.05	30.22	0.37	12.44	bdl	0.21	0.00	bdl	bdl	104.29	kimberlitic
Horn Plateau	085L_2005_1043	0.25 - 0.5	21738-054	nd	0.35	0.07	51.22	0.50	0.57	1.70	3.82	32.65	0.29	11.25	0.21	0.05	0.04	bdl	bdl	102.73	kimberlitic
Horn Plateau	085L_2005_1043	0.25 - 0.5	21738-055	nd	0.38	0.06	51.77	0.59	0.42	1.36	5.41	29.99	0.31	12.70	0.03	0.12	0.05	bdl	bdl	103.19	kimberlitic
Horn Plateau	085L_2005_1047	0.25 - 0.5	21738-057	nd	0.42	bdl	46.98	0.43	0.30	1.40	6.68	40.86	0.28	7.70	bdl	bdl	0.00	bdl	bdl	105.06	kimberlitic
Horn Plateau	085L_2005_1047	0.25 - 0.5	21738-058	nd	bdl	0.02	46.63	0.28	0.34	1.53	0.96	42.37	0.31	7.91	bdl	0.07	bdl	bdl	bdl	100.43	kimberlitic
Horn Plateau	085L_2005_1047	0.25 - 0.5	21738-059	nd	0.07	0.02	46.30	0.31	0.33	1.44	1.91	42.54	0.38	7.59	0.10	0.06	bdl	bdl	bdl	101.05	kimberlitic
Horn Plateau	085L_2005_1049	0.25 - 0.5	21738-060	nd	0.19	0.06	51.23	0.53	0.58	2.91	2.55	29.56	0.33	12.68	0.11	0.09	bdl	bdl	bdl	100.83	kimberlitic
Horn Plateau	085L_2005_1053	0.25 - 0.5	21738-061	nd	0.27	0.03	51.20	0.60	0.56	3.19	2.55	29.66	0.28	12.59	0.08	0.15	bdl	bdl	bdl	101.17	kimberlitic
Horn Plateau	085L_2005_1053	0.25 - 0.5	21738-062	nd	0.01	0.02	53.28	0.59	0.53	1.44	bdl	31.00	0.29	13.18	0.04	0.09	0.05	bdl	bdl	100.53	kimberlitic
Horn Plateau	085L_2005_1055	0.25 - 0.5	21738-063	nd	0.55	bdl	51.37	0.10	0.08	bdl	7.32	46.38	2.12	0.05	0.11	bdl	0.01	bdl	bdl	108.08	non-kimberlitic
Horn Plateau	085L_2005_1055	0.25 - 0.5	21738-064	nd	0.19	0.03	50.60	0.10	0.16	bdl	3.19	46.76	3.29	0.08	0.02	0.03	0.02	bdl	bdl	104.47	non-kimberlitic

Horn Plateau	085L_2005_1057	0.25 - 0.5	21738-065	nd	0.15	0.04	50.84	0.42	0.57	1.46	1.91	34.50	0.31	10.63	0.12	0.12	bdl	bdl	bdl	101.07	kimberlitic
Horn Plateau	085L_2005_1066	0.25 - 0.5	21738-066	nd	0.71	0.04	44.51	0.21	0.43	5.03	8.27	37.96	0.29	8.88	bdl	0.12	0.01	bdl	bdl	106.44	kimberlitic
Horn Plateau	085L_2005_1066	0.25 - 0.5	21738-067	nd	0.34	0.04	50.85	0.39	0.34	2.06	3.51	34.14	0.23	10.25	0.08	0.12	0.01	bdl	bdl	102.35	kimberlitic
Horn Plateau	085L_2005_1067	0.25 - 0.5	21738-068	nd	0.22	0.02	47.79	0.40	0.39	2.43	2.87	39.36	0.29	8.04	0.08	0.14	bdl	bdl	bdl	102.03	kimberlitic
Horn Plateau	085L_2005_1067	0.25 - 0.5	21738-069	nd	0.45	0.01	45.52	0.29	0.51	2.83	6.68	40.28	0.33	8.31	0.12	0.14	0.04	bdl	bdl	105.51	kimberlitic
Horn Plateau	085L_2005_1069	0.25 - 0.5	21738-070	nd	0.41	0.02	51.95	0.58	0.56	1.70	5.41	30.90	0.41	11.80	0.14	0.13	0.04	bdl	bdl	104.06	kimberlitic
Horn Plateau	085L_2005_1071	0.25 - 0.5	21738-071	nd	0.17	0.28	50.77	0.09	0.32	0.02	2.23	48.41	0.37	0.51	0.02	bdl	0.02	bdl	bdl	103.22	non-kimberlitic
Horn Plateau	085L_2005_1074	0.25 - 0.5	21738-072	nd	0.26	0.09	51.23	0.38	0.27	0.50	3.19	36.20	0.36	9.17	0.07	0.01	0.01	bdl	bdl	101.74	kimberlitic
Horn Plateau	085L_2005_1074	0.25 - 0.5	21738-073	nd	0.24	bdl	46.17	0.37	0.39	2.13	2.87	41.18	0.26	7.88	bdl	0.10	bdl	bdl	bdl	101.59	kimberlitic
Horn Plateau	085L_2005_1074	0.25 - 0.5	21738-074	nd	0.49	0.06	44.28	0.29	0.44	0.62	5.10	46.91	0.24	6.13	bdl	0.11	0.02	bdl	bdl	104.69	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-075	nd	0.14	0.05	52.16	0.67	0.35	2.70	3.51	27.49	0.41	13.46	0.13	0.18	0.04	bdl	bdl	101.27	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-076	nd	0.03	0.02	51.42	0.57	0.60	1.00	0.64	32.51	0.20	11.60	0.11	0.13	0.04	bdl	bdl	98.87	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-077	nd	0.37	0.01	50.78	0.61	0.51	1.43	4.14	31.02	0.30	11.75	0.15	0.11	0.02	bdl	bdl	101.18	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-078	nd	bdl	0.01	48.60	0.25	0.48	0.91	bdl	39.32	0.35	8.59	bdl	0.14	bdl	bdl	bdl	98.66	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-079	nd	0.14	0.07	52.54	0.60	0.34	2.62	2.87	28.69	0.26	12.03	bdl	0.12	0.05	bdl	bdl	100.33	kimberlitic
Horn Plateau	085L_2005_1084	0.25 - 0.5	21738-080	nd	0.50	0.05	45.25	0.27	0.44	3.96	3.82	38.67	0.29	8.78	0.03	0.11	0.02	bdl	bdl	102.20	kimberlitic
Horn Plateau	085L_2005_1086	0.25 - 0.5	21738-081	nd	0.46	0.05	50.88	0.21	0.37	0.51	5.41	35.72	0.43	9.23	0.10	0.08	0.04	bdl	bdl	103.49	kimberlitic
Horn Plateau	085L_2005_1086	0.25 - 0.5	21738-082	nd	bdl	bdl	52.75	0.71	0.50	1.51	bdl	31.03	0.28	13.25	bdl	0.14	0.04	bdl	bdl	100.23	kimberlitic
Horn Plateau	085L_2005_1092	0.25 - 0.5	21738-083	nd	0.07	0.04	53.66	0.43	0.31	1.53	0.64	29.21	0.22	12.64	bdl	0.09	0.00	bdl	bdl	98.84	kimberlitic
Horn Plateau	085L_2005_1095	0.25 - 0.5	21738-084	nd	0.43	0.05	45.72	0.19	0.47	3.14	5.41	39.55	0.27	8.51	0.04	0.09	0.03	bdl	bdl	103.90	kimberlitic
Horn Plateau	085L_2005_1096	0.25 - 0.5	21738-085	nd	0.34	0.03	52.85	0.27	0.48	0.50	4.78	32.73	0.41	10.44	0.00	0.13	0.01	bdl	bdl	102.96	kimberlitic
Horn Plateau	085L_2005_1096	0.25 - 0.5	21738-086	nd	0.43	0.07	51.67	0.48	0.33	1.04	5.41	32.38	0.36	10.67	0.07	0.09	bdl	bdl	bdl	103.02	kimberlitic
Horn Plateau	085L_2005_1097	0.25 - 0.5	21738-087	nd	bdl	0.02	52.21	0.07	0.24	0.01	0.32	48.08	0.65	0.18	bdl	0.06	0.01	bdl	bdl	101.85	non-kimberlitic
Horn Plateau	085L_2005_1097	0.25 - 0.5	21738-088	nd	0.15	0.11	51.16	0.08	0.56	bdl	2.23	47.46	0.51	0.84	bdl	bdl	0.01	bdl	bdl	103.11	non-kimberlitic
Horn Plateau	085L_2005_1097	0.25 - 0.5	21738-089	nd	bdl	0.09	50.74	0.05	0.27	0.00	1.60	48.38	0.68	0.16	0.15	0.03	0.02	bdl	bdl	102.17	non-kimberlitic
Horn Plateau	085L_2005_1103	0.25 - 0.5	21738-090	nd	0.34	0.03	45.58	0.35	0.44	0.49	4.46	45.06	0.31	6.79	0.16	0.10	0.01	bdl	bdl	104.11	kimberlitic
Horn Plateau	085L_2005_1103	0.25 - 0.5	21738-091	nd	0.26	0.03	55.02	0.72	0.50	0.74	2.55	26.45	0.18	14.01	0.06	0.22	0.04	bdl	bdl	100.78	kimberlitic
Horn Plateau	085E_2005_1002	0.25 - 0.5	21738-093	nd	0.18	0.09	51.76	0.64	0.35	1.12	1.91	31.63	0.30	11.76	bdl	0.07	0.04	bdl	bdl	99.86	kimberlitic
Horn Plateau	085L_2005_1127	1.0 - 2.0	21742-0001	nd	0.30	0.05	52.51	0.49	0.50	1.12	3.19	29.36	0.33	12.60	0.05	0.17	0.06	bdl	bdl	100.71	kimberlitic
Horn Plateau	085L_2005_1140	1.0 - 2.0	21742-0002	nd	bdl	0.07	54.28	0.61	0.41	0.39	bdl	32.34	0.44	12.53	0.01	0.10	0.02	bdl	bdl	101.19	kimberlitic
Horn Plateau	085L_2005_1142	1.0 - 2.0	21742-0003	nd	0.33	0.07	44.45	0.24	0.35	0.61	3.82	48.52	0.29	5.78	bdl	0.09	0.00	bdl	bdl	104.55	kimberlitic
Horn Plateau	085L_2005_2098	1.0 - 2.0	21742-0004	nd	bdl	0.04	50.99	0.62	0.38	4.00	0.32	29.40	0.37	12.35	0.05	0.21	bdl	bdl	bdl	98.74	kimberlitic
Horn Plateau	085L_2005_2103	1.0 - 2.0	21742-0005	nd	0.22	0.03	51.23	0.43	0.45	1.03	3.19	33.66	0.39	11.10	0.12	0.10	bdl	bdl	bdl	101.95	kimberlitic
Horn Plateau	085L_2005_2107	1.0 - 2.0	21742-0006	nd	0.45	bdl	51.54	0.68	0.47	3.29	4.14	29.25	0.25	12.35	0.06	0.25	0.04	bdl	bdl	102.80	kimberlitic
Horn Plateau	085L_2005_2115	1.0 - 2.0	21742-0007	nd	0.05	0.07	52.44	0.50	0.23	0.73	1.28	32.74	0.31	11.44	0.04	0.11	bdl	bdl	bdl	99.94	kimberlitic
Horn Plateau	085L_2005_2131	1.0 - 2.0	21742-0008	nd	0.52	0.12	45.62	0.41	0.58	4.07	5.10	38.79	0.34	7.60	bdl	0.13	0.02	bdl	bdl	103.30	kimberlitic
Horn Plateau	085L_2005_2131	1.0 - 2.0	21742-0009	nd	0.23	0.06	51.80	0.66	0.67	2.04	2.87	30.75	0.27	11.90	0.01	0.15	0.03	bdl	bdl	101.46	kimberlitic
Horn Plateau	085L_2005_1109	0.5 - 1.0	21742-010	nd	0.22	0.12	51.32	0.18	0.44	4.24	3.51	28.92	0.35	12.20	0.12	0.15	0.02	bdl	bdl	101.81	kimberlitic
Horn Plateau	085L_2005_1113	0.5 - 1.0	21742-011	nd	0.23	0.07	49.91	0.41	0.39	1.68	0.96	35.19	0.40	10.51	0.01	0.13	0.05	bdl	bdl	99.93	kimberlitic
Horn Plateau	085L_2005_1123	0.5 - 1.0	21742-012	nd	bdl	0.04	53.67	0.54	0.36	1.98	bdl	30.54	0.27	13.44	bdl	0.10	0.03	bdl	bdl	100.96	kimberlitic
Horn Plateau	085L_2005_1124	0.5 - 1.0	21742-013	nd	0.16	0.07	52.45	0.53	0.33	4.56	2.23	25.88	0.32	14.11	0.06	0.13	0.03	bdl	bdl	100.87	kimberlitic
Horn Plateau	085L_2005_1127	0.5 - 1.0	21742-014	nd	0.30	0.07	55.10	0.73	0.43	1.16	3.19	24.67	0.26	14.68	0.01	0.18	0.06	bdl	bdl	100.84	kimberlitic
Horn Plateau	085L_2005_1127	0.5 - 1.0	21742-015	nd	0.18	0.07	52.81	0.65	0.35	2.20	1.28	27.86	0.22	13.50	0.08	0.11	0.03	bdl	bdl	99.35	kimberlitic
Horn Plateau	085L_2005_1127	0.5 - 1.0	21742-016	nd	0.19	0.03	53.55	0.49	0.37	1.64	1.28	29.48	0.29	12.79	bdl	0.17	0.01	bdl	bdl	100.29	kimberlitic
Horn Plateau	085L_2005_1128	0.5 - 1.0	21742-017	nd	0.14	0.03	53.70	0.51	0.29	2.05	2.55	28.36	0.31	12.99	0.13	0.10	0.03	bdl	bdl	101.19	kimberlitic

Horn Plateau	085L_2005_1128	0.5 - 1.0	21742-018	nd	0.12	0.03	51.66	0.41	0.36	4.89	1.60	27.52	0.29	13.53	bdl	0.17	0.06	bdl	bdl	100.64	kimberlitic
Horn Plateau	085L_2005_1128	0.5 - 1.0	21742-019	nd	0.29	0.07	49.47	0.40	0.49	1.92	2.87	33.91	0.32	10.66	bdl	0.17	0.04	bdl	bdl	100.61	kimberlitic
Horn Plateau	085L_2005_1128	0.5 - 1.0	21742-020	nd	0.07	bdl	48.50	0.44	0.39	1.67	0.64	38.50	0.38	8.80	0.04	0.12	0.01	bdl	bdl	99.55	kimberlitic
Horn Plateau	085L_2005_1130	0.5 - 1.0	21742-021	nd	0.01	0.07	53.64	0.70	0.37	0.95	0.32	29.12	0.28	12.67	bdl	0.18	0.03	bdl	bdl	98.34	kimberlitic
Horn Plateau	085L_2005_1130	0.5 - 1.0	21742-022	nd	0.37	bdl	50.32	0.33	0.45	2.22	4.14	34.36	0.33	10.62	bdl	0.12	0.02	bdl	bdl	103.28	kimberlitic
Horn Plateau	085L_2005_1134	0.5 - 1.0	21742-023	nd	0.14	0.01	52.75	0.36	0.31	0.78	3.51	32.32	0.27	10.79	0.02	0.18	0.05	bdl	bdl	101.49	kimberlitic
Horn Plateau	085L_2005_1134	0.5 - 1.0	21742-024	nd	0.19	0.07	51.45	0.61	0.50	1.45	1.91	32.25	0.22	11.41	0.08	0.04	0.03	bdl	bdl	100.22	kimberlitic
Horn Plateau	085L_2005_1134	0.5 - 1.0	21742-025	nd	0.25	0.06	50.96	0.42	0.42	0.95	1.60	34.41	0.29	10.63	0.07	0.11	0.01	bdl	bdl	100.17	kimberlitic
Horn Plateau	085L_2005_1134	0.5 - 1.0	21742-026	nd	0.31	0.05	45.76	0.35	0.49	0.66	4.14	45.50	0.28	6.37	bdl	0.10	0.02	bdl	bdl	104.04	kimberlitic
Horn Plateau	085L_2005_1135	0.5 - 1.0	21742-027	nd	0.24	0.05	54.44	0.51	0.36	1.17	2.55	29.99	0.40	11.71	0.01	0.19	0.03	bdl	bdl	101.66	kimberlitic
Horn Plateau	085L_2005_1135	0.5 - 1.0	21742-028	nd	0.10	0.03	55.08	0.48	0.62	2.27	0.32	26.67	0.14	13.59	bdl	0.10	0.03	bdl	bdl	99.44	kimberlitic
Horn Plateau	085L_2005_1140	0.5 - 1.0	21742-029	nd	0.35	0.02	53.02	0.28	0.51	0.46	2.87	33.81	0.46	10.05	0.13	0.06	0.03	bdl	bdl	102.05	kimberlitic
Horn Plateau	085L_2005_1140	0.5 - 1.0	21742-030	nd	0.21	0.08	53.75	0.53	0.32	0.43	2.55	31.95	0.29	11.57	bdl	0.10	bdl	bdl	bdl	101.78	kimberlitic
Horn Plateau	085L_2005_1140	0.5 - 1.0	21742-031	nd	0.37	0.02	50.86	0.55	0.36	0.95	3.19	32.80	0.22	11.09	0.10	0.08	0.01	bdl	bdl	100.60	kimberlitic
Horn Plateau	085L_2005_1140	0.5 - 1.0	21742-032	nd	0.46	0.07	51.19	0.31	0.42	3.97	3.82	27.68	0.25	12.88	0.10	0.16	0.03	bdl	bdl	101.34	kimberlitic
Horn Plateau	085L_2005_1140	0.5 - 1.0	21742-033	nd	0.31	0.00	49.25	0.32	0.56	1.58	5.10	35.11	0.37	10.04	bdl	0.07	0.01	bdl	bdl	102.73	kimberlitic
Horn Plateau	085L_2005_1140	0.5 - 1.0	21742-034	nd	0.30	0.05	48.88	0.37	0.35	1.71	3.82	35.23	0.37	10.09	bdl	0.05	0.01	bdl	bdl	101.24	kimberlitic
Horn Plateau	085L_2005_1140	0.5 - 1.0	21742-035	nd	0.22	0.02	50.49	0.47	0.26	0.31	0.96	36.14	0.32	9.93	0.03	0.16	0.02	bdl	bdl	99.33	kimberlitic
Horn Plateau	085L_2005_1140	0.5 - 1.0	21742-036	nd	0.19	0.03	46.46	0.36	0.35	1.80	3.51	41.64	0.24	7.75	0.16	0.11	0.05	bdl	bdl	102.65	kimberlitic
Horn Plateau	085L_2005_1140	0.5 - 1.0	21742-037	nd	0.23	0.07	44.42	0.38	0.30	0.91	3.51	45.99	0.32	6.68	bdl	0.09	0.02	bdl	bdl	102.90	kimberlitic
Horn Plateau	085L_2005_1142	0.5 - 1.0	21742-038	nd	bdl	0.05	51.78	0.61	0.56	2.39	2.87	27.79	0.27	13.19	0.14	0.15	0.04	bdl	bdl	99.84	kimberlitic
Horn Plateau	085L_2005_1142	0.5 - 1.0	21742-039	nd	0.19	0.08	51.15	0.06	0.26	bdl	2.87	48.35	0.72	0.16	0.01	0.08	0.02	bdl	bdl	103.95	non-kimberlitic
Horn Plateau	085L_2005_1142	0.5 - 1.0	21742-040	nd	0.58	bdl	44.35	0.21	0.40	0.49	7.32	46.66	0.23	6.24	0.06	0.03	0.04	bdl	bdl	106.61	kimberlitic
Horn Plateau	085L_2005_1142	0.5 - 1.0	21742-041	nd	0.22	0.04	50.30	0.71	0.71	3.58	1.60	30.20	0.28	12.29	bdl	0.14	0.04	bdl	bdl	100.09	kimberlitic
Horn Plateau	085L_2005_1142	0.5 - 1.0	21742-042	nd	0.23	0.02	51.42	0.40	0.48	2.44	4.14	30.11	0.32	12.50	0.03	0.11	0.02	bdl	bdl	102.22	kimberlitic
Horn Plateau	085L_2005_1142	0.5 - 1.0	21742-043	nd	bdl	0.02	50.89	0.04	0.23	bdl	1.28	47.67	1.87	0.17	0.01	0.03	0.01	bdl	bdl	102.23	non-kimberlitic
Horn Plateau	085L_2005_1142	0.5 - 1.0	21742-044	nd	0.42	bdl	46.63	0.24	0.36	2.85	7.00	37.89	0.35	8.99	0.14	0.11	0.03	bdl	bdl	105.03	kimberlitic
Horn Plateau	085L_2005_1144	0.5 - 1.0	21742-045	nd	0.18	0.05	51.85	0.40	0.55	0.99	3.19	32.66	0.35	11.64	0.15	0.10	0.04	bdl	bdl	102.16	kimberlitic
Horn Plateau	085L_2005_1144	0.5 - 1.0	21742-047	nd	0.18	0.09	52.35	0.65	0.47	2.31	0.64	30.74	0.20	12.41	0.06	0.10	0.03	bdl	bdl	100.21	kimberlitic
Horn Plateau	085L_2005_1144	0.5 - 1.0	21742-048	nd	0.56	0.05	51.44	0.39	0.29	2.28	7.32	30.39	0.33	11.80	0.05	0.23	0.04	bdl	bdl	105.19	kimberlitic
Horn Plateau	085L_2005_1144	0.5 - 1.0	21742-049	nd	bdl	0.06	51.04	0.68	0.51	3.50	1.60	29.72	0.30	12.46	0.10	0.18	0.01	bdl	bdl	100.16	kimberlitic
Horn Plateau	085L_2005_1144	0.5 - 1.0	21742-050	nd	0.41	0.01	46.19	0.40	0.33	0.92	4.14	44.73	0.23	6.80	bdl	0.09	0.02	bdl	bdl	104.27	kimberlitic
Horn Plateau	085L_2005_1151	0.5 - 1.0	21742-051	nd	0.07	0.11	53.52	0.64	0.48	1.68	0.32	28.35	0.34	13.36	bdl	0.07	0.05	bdl	bdl	98.98	kimberlitic
Horn Plateau	085L_2005_1153	0.5 - 1.0	21742-052	nd	0.48	0.00	51.75	0.58	0.44	2.30	5.73	30.04	0.28	12.18	bdl	0.08	0.01	bdl	bdl	103.88	kimberlitic
Horn Plateau	085L_2005_1154	0.5 - 1.0	21742-053	nd	0.40	0.05	53.35	0.49	0.38	1.49	5.41	29.37	0.21	12.14	0.01	0.10	0.02	bdl	bdl	103.43	kimberlitic
Horn Plateau	085L_2005_1162	0.5 - 1.0	21742-054	nd	0.26	bdl	50.28	0.52	0.44	1.39	2.87	33.62	0.24	10.63	0.04	0.06	0.02	bdl	bdl	100.39	kimberlitic
Horn Plateau	095I_2005_2094	0.5 - 1.0	21742-055	nd	0.16	0.05	54.47	0.52	0.56	1.11	1.60	28.52	0.28	12.84	0.06	0.03	0.05	bdl	bdl	100.25	kimberlitic
Horn Plateau	095I_2005_2094	0.5 - 1.0	21742-056	nd	0.24	0.01	52.11	0.26	0.43	6.74	3.19	24.58	0.34	13.86	bdl	0.37	0.06	bdl	bdl	102.20	kimberlitic
Horn Plateau	085L_2005_2098	0.5 - 1.0	21742-057	nd	0.46	bdl	43.70	0.16	0.46	6.29	5.73	39.16	0.21	8.06	bdl	0.11	bdl	bdl	bdl	104.34	kimberlitic
Horn Plateau	085L_2005_2098	0.5 - 1.0	21742-058	nd	0.53	0.05	54.54	0.49	0.31	1.77	5.73	27.51	0.27	12.96	0.04	0.11	0.02	bdl	bdl	104.34	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-060	nd	0.15	0.09	53.85	0.54	0.37	1.61	1.91	28.76	0.26	13.05	0.09	0.19	0.00	bdl	bdl	100.86	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-061	nd	0.08	0.03	52.55	0.58	0.47	0.57	bdl	34.77	0.33	11.14	0.12	0.02	bdl	bdl	bdl	100.66	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-062	nd	0.24	0.03	52.24	0.27	0.33	3.85	2.23	27.51	0.40	13.02	0.08	0.22	0.05	bdl	bdl	100.47	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-063	nd	0.59	0.01	50.09	0.43	0.56	1.33	7.32	34.69	0.34	10.27	0.05	0.04	0.05	bdl	bdl	105.77	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-064	nd	0.25	0.08	52.28	0.63	0.47	2.44	2.23	30.38	0.30	11.75	bdl	0.12	0.05	bdl	bdl	100.97	kimberlitic

Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-065	nd	0.41	0.05	51.76	0.56	0.49	2.62	4.14	30.35	0.24	12.11	0.05	0.14	0.02	bdl	bdl	102.95	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-066	nd	0.51	bdl	49.87	0.41	0.48	1.54	6.68	34.08	0.40	10.57	0.16	0.03	0.01	bdl	bdl	104.74	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-067	nd	0.25	0.04	51.89	0.47	0.50	3.42	2.23	28.85	0.33	12.64	bdl	0.18	0.05	bdl	bdl	100.84	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-068	nd	0.33	0.04	50.38	0.29	0.32	2.35	5.10	35.11	0.23	10.39	0.13	0.12	0.01	bdl	bdl	104.79	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-069	nd	bdl	0.07	52.19	0.61	0.53	2.94	bdl	31.59	0.26	12.50	0.03	0.16	0.03	bdl	bdl	100.90	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-070	nd	0.01	0.07	53.11	0.60	0.47	2.97	0.96	27.19	0.21	13.53	0.12	0.17	0.01	bdl	bdl	99.42	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-072	nd	0.61	0.05	52.73	0.66	0.49	1.35	7.32	29.82	0.36	11.96	0.07	0.16	0.02	bdl	bdl	105.61	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-073	nd	0.22	0.02	51.42	0.62	0.38	3.54	3.19	28.69	0.27	12.75	0.05	0.22	0.01	bdl	bdl	101.37	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-074	nd	0.31	0.05	51.76	0.59	0.52	1.32	6.05	32.18	0.26	11.26	0.06	0.02	0.02	bdl	bdl	104.42	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-075	nd	0.52	0.05	50.93	0.35	0.61	1.72	5.10	32.39	0.41	11.13	bdl	0.06	0.03	bdl	bdl	103.30	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-076	nd	0.08	0.05	54.99	0.51	0.33	1.75	0.64	28.63	0.40	12.73	0.05	0.13	0.01	bdl	bdl	100.30	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-077	nd	0.26	0.01	51.36	0.58	0.45	1.46	2.23	33.06	0.33	10.91	0.05	0.06	0.04	bdl	bdl	100.81	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-078	nd	0.42	0.04	50.39	0.44	0.43	1.49	6.68	33.31	0.42	10.58	0.16	0.12	0.04	bdl	bdl	104.54	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-079	nd	0.44	0.00	45.90	0.21	0.42	0.61	5.73	44.12	0.33	6.85	0.02	0.14	0.01	bdl	bdl	104.79	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-080	nd	0.45	0.05	52.67	0.61	0.49	1.09	5.10	30.09	0.31	12.24	0.02	0.09	0.03	bdl	bdl	103.24	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-081	nd	0.33	bdl	52.76	0.53	0.45	3.09	4.78	26.56	0.33	13.23	bdl	0.15	0.05	bdl	bdl	102.25	kimberlitic
Horn Plateau	085L_2005_2112	0.5 - 1.0	21742-082	nd	0.31	0.06	52.52	0.54	0.56	1.19	4.14	29.82	0.32	12.36	bdl	0.14	0.00	bdl	bdl	101.98	kimberlitic
Horn Plateau	085L_2005_2112	0.5 - 1.0	21742-083	nd	0.26	0.03	53.13	0.39	0.50	3.25	4.46	26.19	0.23	13.70	0.02	0.24	0.05	bdl	bdl	102.44	kimberlitic
Horn Plateau	085L_2005_2106	0.5 - 1.0	21742-084	nd	0.18	0.03	44.57	0.27	0.50	0.63	2.23	47.70	0.26	6.05	bdl	0.08	0.05	bdl	bdl	102.55	kimberlitic
Horn Plateau	085L_2005_2106	0.5 - 1.0	21742-085	nd	bdl	0.03	48.89	0.29	0.43	1.67	0.64	38.88	0.21	8.55	bdl	0.09	0.02	bdl	bdl	99.69	kimberlitic
Horn Plateau	085L_2005_2113	0.5 - 1.0	21742-086	nd	0.10	0.09	45.01	0.23	0.42	0.60	0.96	47.54	0.23	5.72	0.04	0.06	0.05	bdl	bdl	101.04	kimberlitic
Horn Plateau	085L_2005_2113	0.5 - 1.0	21742-087	nd	0.07	0.06	48.46	0.27	0.29	2.78	1.60	36.51	0.31	9.49	0.01	0.20	0.01	bdl	bdl	100.06	kimberlitic
Horn Plateau	085L_2005_2114	0.5 - 1.0	21742-088	nd	0.12	0.02	53.67	0.32	0.47	4.61	2.23	25.07	0.40	13.97	0.05	0.10	0.02	bdl	bdl	101.05	kimberlitic
Horn Plateau	085L_2005_2114	0.5 - 1.0	21742-089	nd	0.07	0.04	52.47	0.60	0.51	2.61	1.91	29.33	0.26	12.91	0.01	0.09	0.03	bdl	bdl	100.83	kimberlitic
Horn Plateau	085L_2005_2114	0.5 - 1.0	21742-090	nd	0.47	0.02	52.68	0.56	0.53	5.22	3.19	25.06	0.24	14.08	0.02	0.25	0.01	bdl	bdl	102.32	kimberlitic
Horn Plateau	085L_2005_2114	0.5 - 1.0	21742-091	nd	0.19	0.07	48.02	1.00	0.39	10.53	1.60	24.60	0.26	13.03	bdl	0.18	0.01	bdl	bdl	99.86	kimberlitic
Horn Plateau	085L_2005_2114	0.5 - 1.0	21742-092	nd	0.16	0.05	50.33	0.65	0.54	4.59	2.55	29.66	0.22	12.52	bdl	0.04	bdl	bdl	bdl	101.32	kimberlitic
Horn Plateau	085L_2005_2114	0.5 - 1.0	21742-093	nd	0.67	0.03	49.25	0.45	0.50	1.67	6.68	34.75	0.24	10.00	0.09	0.12	0.01	bdl	bdl	104.45	kimberlitic
Horn Plateau	085L_2005_2115	0.5 - 1.0	21742-094	nd	0.64	bdl	45.08	0.32	0.46	0.42	8.90	45.34	0.30	6.18	0.02	0.00	0.01	bdl	bdl	107.67	kimberlitic
Horn Plateau	085L_2005_2115	0.5 - 1.0	21742-095	nd	0.10	0.01	51.48	0.61	0.36	3.76	1.60	29.10	0.36	12.56	0.12	0.16	0.05	bdl	bdl	100.25	kimberlitic
Horn Plateau	085L_2005_2115	0.5 - 1.0	21742-096	nd	0.22	0.03	53.28	0.49	0.38	4.19	1.91	25.93	0.34	13.61	bdl	0.17	bdl	bdl	bdl	100.56	kimberlitic
Horn Plateau	085L_2005_2115	0.5 - 1.0	21742-097	nd	0.36	bdl	51.85	0.36	0.52	1.01	4.14	32.98	0.31	11.05	bdl	0.08	0.06	bdl	bdl	102.71	kimberlitic
Horn Plateau	085L_2005_2130	0.5 - 1.0	21742-098	nd	0.50	0.03	52.62	0.33	0.47	6.05	3.82	24.19	0.31	14.28	0.03	0.15	0.02	bdl	bdl	102.80	kimberlitic
Horn Plateau	085L_2005_2130	0.5 - 1.0	21742-099	nd	0.23	0.07	53.19	0.55	0.40	1.16	2.23	30.43	0.22	11.91	bdl	0.14	0.03	bdl	bdl	100.56	kimberlitic
Horn Plateau	085L_2005_2130	0.5 - 1.0	21742-100	nd	0.01	0.06	54.03	0.55	0.41	2.23	0.64	28.15	0.26	13.47	bdl	0.07	0.03	bdl	bdl	99.90	kimberlitic
Horn Plateau	085L_2005_2130	0.5 - 1.0	21742-101	nd	0.04	0.07	53.98	0.62	0.37	1.17	bdl	31.65	0.26	13.00	bdl	0.20	0.04	bdl	bdl	101.38	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-102	nd	0.21	0.04	51.89	0.44	0.52	0.91	1.91	33.73	0.39	10.54	0.06	0.05	0.02	bdl	bdl	100.72	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-103	nd	0.38	0.03	54.08	0.34	0.34	0.68	6.05	31.18	0.26	11.15	0.22	0.12	0.03	bdl	bdl	104.86	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-104	nd	0.29	0.04	52.20	0.57	0.54	1.99	2.23	30.71	0.33	12.00	0.09	0.14	0.04	bdl	bdl	101.18	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-105	nd	0.22	0.07	52.79	0.22	0.56	3.99	3.19	27.69	0.40	12.72	0.13	0.19	0.04	bdl	bdl	102.19	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-106	nd	0.08	0.07	52.02	0.55	0.47	2.18	0.64	30.93	0.30	11.66	bdl	0.13	0.03	bdl	bdl	99.05	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-107	nd	0.25	0.07	53.04	0.58	0.49	2.87	1.91	28.66	0.41	13.19	0.09	0.13	0.03	bdl	bdl	101.72	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-108	nd	0.11	0.02	54.02	0.59	0.47	2.26	1.28	28.10	0.21	13.42	0.00	0.15	0.01	bdl	bdl	100.63	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-109	nd	0.25	0.03	53.18	0.56	0.40	2.43	3.19	27.92	0.26	13.15	bdl	0.18	0.04	bdl	bdl	101.59	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-110	nd	0.26	0.03	53.46	0.57	0.47	3.15	3.51	26.87	0.31	13.67	0.27	0.15	0.04	bdl	bdl	102.74	kimberlitic

Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-111	nd	0.42	bdl	50.19	0.50	0.49	2.02	4.78	33.87	0.30	10.58	bdl	0.13	0.02	bdl	bdl	103.30	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-112	nd	0.29	bdl	49.80	0.30	0.33	1.68	3.82	36.28	0.30	9.37	0.06	0.11	0.02	bdl	bdl	102.37	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-113	nd	0.60	0.05	45.57	0.28	0.66	4.02	7.95	37.54	0.21	8.76	0.09	0.15	0.03	bdl	bdl	105.92	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-114	nd	0.23	0.04	54.08	0.49	0.44	1.93	3.82	28.39	0.27	12.54	bdl	0.10	bdl	bdl	bdl	102.35	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21742-115	nd	0.18	0.02	49.47	0.39	0.44	8.72	0.64	25.28	0.19	13.71	bdl	0.28	0.03	bdl	bdl	99.34	kimberlitic
Horn Plateau	085L_2005_2133	0.5 - 1.0	21742-116	nd	0.22	bdl	53.06	0.45	0.51	0.91	2.87	29.60	0.27	12.96	0.11	0.16	0.00	bdl	bdl	101.13	kimberlitic
Horn Plateau	085L_2005_2133	0.5 - 1.0	21742-117	nd	0.23	0.02	51.71	0.57	0.38	1.24	3.19	33.14	0.24	11.04	bdl	0.17	0.04	bdl	bdl	101.96	kimberlitic
Horn Plateau	085L_2005_2133	0.5 - 1.0	21742-118	nd	0.23	bdl	52.56	0.50	0.42	0.95	2.55	32.77	0.29	11.20	bdl	0.13	0.02	bdl	bdl	101.61	kimberlitic
Horn Plateau	085L_2005_2133	0.5 - 1.0	21742-119	nd	0.29	0.02	51.95	0.47	0.44	1.14	3.82	33.27	0.25	10.99	0.14	0.04	bdl	bdl	bdl	102.83	kimberlitic
Horn Plateau	085L_2005_2133	0.5 - 1.0	21742-120	nd	0.47	0.05	49.51	0.41	0.56	1.75	5.41	35.30	0.29	10.17	0.09	0.15	0.05	bdl	bdl	104.19	kimberlitic
Horn Plateau	085L_2005_2133	0.5 - 1.0	21742-121	nd	0.16	0.05	54.81	0.51	0.41	1.39	1.60	28.14	0.40	12.51	0.11	0.14	0.04	bdl	bdl	100.26	kimberlitic
Horn Plateau	085L_2005_2133	0.5 - 1.0	21742-122	nd	0.41	0.06	51.81	0.39	0.51	1.77	5.10	32.20	0.44	11.07	0.11	0.11	0.01	bdl	bdl	103.99	kimberlitic
Horn Plateau	085L_2005_2139	0.5 - 1.0	21742-123	nd	0.01	0.07	45.09	0.34	0.27	0.68	bdl	46.45	0.22	6.50	0.07	0.03	0.03	bdl	bdl	99.78	kimberlitic
Horn Plateau	085L_2005_2153	0.5 - 1.0	21742-124	nd	bdl	0.04	51.86	0.64	0.42	1.47	bdl	34.91	0.38	11.93	bdl	0.12	0.02	bdl	bdl	101.78	kimberlitic
Horn Plateau	085L_2005_2160	0.5 - 1.0	21742-125	nd	0.12	bdl	52.59	0.50	0.44	2.86	2.55	29.37	0.30	12.17	bdl	0.19	0.05	bdl	bdl	101.13	kimberlitic
Horn Plateau	085E_2005_2176	0.5 - 1.0	21742-126	nd	0.10	0.08	44.75	0.25	0.31	0.56	2.23	48.41	0.22	5.82	bdl	bdl	0.02	bdl	bdl	102.76	kimberlitic
Horn Plateau	085E_2005_2176	0.5 - 1.0	21742-127	nd	0.12	0.03	52.37	0.43	0.39	0.97	0.96	32.65	0.33	11.51	bdl	0.07	0.02	bdl	bdl	99.86	kimberlitic
Horn Plateau	085L_2005_2199	0.5 - 1.0	21742-128	nd	0.22	0.04	53.99	0.53	0.49	1.55	2.87	27.98	0.47	13.34	bdl	0.15	0.05	bdl	bdl	101.68	kimberlitic
Horn Plateau	085L_2005_2199	0.5 - 1.0	21742-129	nd	0.46	0.06	51.09	0.41	0.30	7.90	6.37	23.44	0.22	14.33	bdl	0.28	0.01	bdl	bdl	104.87	kimberlitic
Horn Plateau	085L_2005_2199	0.5 - 1.0	21742-130	nd	0.41	0.03	52.38	0.49	0.30	2.68	3.51	29.07	0.29	12.44	0.07	0.19	0.03	bdl	bdl	101.90	kimberlitic
Horn Plateau	085L_2005_2199	0.5 - 1.0	21742-131	nd	0.45	0.05	52.87	0.49	0.47	2.40	3.51	28.45	0.24	12.93	0.05	0.14	0.03	bdl	bdl	102.08	kimberlitic
Horn Plateau	085L_2005_2199	0.5 - 1.0	21742-132	nd	0.34	0.02	53.81	0.44	0.39	1.46	2.55	28.36	0.29	13.23	0.01	0.20	0.03	bdl	bdl	101.13	kimberlitic
Horn Plateau	085L_2005_2199	0.5 - 1.0	21742-133	nd	0.37	0.03	51.00	0.38	0.51	2.01	4.14	32.64	0.41	11.28	0.12	0.12	0.03	bdl	bdl	103.06	kimberlitic
Horn Plateau	085L_2005_2215	0.5 - 1.0	21742-134	nd	0.38	0.02	51.91	0.52	0.54	3.86	3.19	28.45	0.27	12.72	bdl	0.15	0.03	bdl	bdl	102.05	kimberlitic
Horn Plateau	085L_2005_1134	0.5 - 1.0	21743-002	nd	0.09	0.03	52.16	0.61	0.19	1.67	1.60	29.43	0.27	12.82	0.14	0.12	0.02	bdl	bdl	99.15	kimberlitic
Horn Plateau	085L_2005_2098	0.5 - 1.0	21743-010	nd	bdl	0.06	51.78	bdl	0.25	0.04	0.64	48.45	0.69	0.16	bdl	bdl	0.02	bdl	bdl	102.10	non-kimberlitic
Horn Plateau	085L_2005_1111	0.25 - 0.5	21744-001	nd	0.24	0.05	52.62	0.46	0.29	0.96	2.87	32.57	0.25	11.17	0.08	0.17	0.03	bdl	bdl	101.76	kimberlitic
Horn Plateau	085L_2005_1113	0.25 - 0.5	21744-002	nd	bdl	0.01	52.91	0.50	0.37	1.67	bdl	32.17	0.29	12.48	0.06	0.20	0.03	bdl	bdl	100.70	kimberlitic
Horn Plateau	085L_2005_1116	0.25 - 0.5	21744-003	nd	0.27	0.01	53.70	0.33	0.32	0.65	3.19	31.70	0.31	11.12	0.04	0.12	0.01	bdl	bdl	101.75	kimberlitic
Horn Plateau	085L_2005_1123	0.25 - 0.5	21744-004	nd	0.36	0.01	51.84	0.06	0.59	0.21	5.10	45.38	2.10	0.18	0.12	0.07	0.01	bdl	bdl	106.01	non-kimberlitic
Horn Plateau	085L_2005_1123	0.25 - 0.5	21744-005	nd	0.27	0.04	44.77	0.37	0.32	0.99	3.19	46.05	0.23	6.43	0.06	bdl	bdl	bdl	bdl	102.71	kimberlitic
Horn Plateau	085L_2005_1124	0.25 - 0.5	21744-006	nd	bdl	0.02	51.87	0.55	0.25	0.33	bdl	36.40	0.30	10.59	bdl	0.10	0.03	bdl	bdl	100.46	kimberlitic
Horn Plateau	085L_2005_1127	0.25 - 0.5	21744-007	nd	0.12	0.12	52.13	0.40	0.41	0.97	1.91	30.86	0.32	12.43	0.07	0.10	0.01	bdl	bdl	99.87	kimberlitic
Horn Plateau	085L_2005_1130	0.25 - 0.5	21744-008	nd	bdl	0.04	51.84	0.06	0.54	0.04	0.64	47.98	0.99	0.23	0.19	0.06	bdl	bdl	bdl	102.60	non-kimberlitic
Horn Plateau	085L_2005_1130	0.25 - 0.5	21744-009	nd	0.49	0.08	50.66	0.03	0.08	bdl	5.73	45.70	2.88	0.04	0.07	bdl	0.02	bdl	bdl	105.80	non-kimberlitic
Horn Plateau	085L_2005_1130	0.25 - 0.5	21744-010	nd	0.08	0.01	50.28	0.05	0.77	bdl	1.28	49.30	0.48	0.31	0.10	0.10	0.02	bdl	bdl	102.78	non-kimberlitic
Horn Plateau	085L_2005_1132	0.25 - 0.5	21744-011	nd	0.28	0.04	51.93	0.34	0.54	5.95	3.82	24.23	0.44	14.22	0.03	0.28	bdl	bdl	bdl	102.11	kimberlitic
Horn Plateau	085L_2005_1132	0.25 - 0.5	21744-012	nd	0.27	0.07	53.94	0.45	0.39	0.87	2.87	30.66	0.26	11.64	0.02	0.07	0.01	bdl	bdl	101.50	kimberlitic
Horn Plateau	085L_2005_1135	0.25 - 0.5	21744-013	nd	bdl	0.05	54.18	0.70	0.21	1.57	0.64	27.34	0.31	13.23	bdl	0.10	0.04	bdl	bdl	98.36	kimberlitic
Horn Plateau	085L_2005_1140	0.25 - 0.5	21744-014	nd	0.24	0.08	52.77	0.47	0.18	0.61	3.82	32.46	0.28	10.78	0.04	0.07	0.02	bdl	bdl	101.83	kimberlitic
Horn Plateau	085L_2005_1140	0.25 - 0.5	21744-015	nd	0.07	0.04	52.12	0.60	0.44	1.36	1.91	31.77	0.36	11.81	0.05	0.12	0.02	bdl	bdl	100.66	kimberlitic
Horn Plateau	085L_2005_1142	0.25 - 0.5	21744-016	nd	0.19	0.01	50.67	0.51	0.41	1.62	2.55	34.20	0.40	10.96	bdl	0.04	0.06	bdl	bdl	101.61	kimberlitic
Horn Plateau	085L_2005_1142	0.25 - 0.5	21744-017	nd	0.08	0.03	52.97	0.56	0.39	4.54	bdl	28.49	0.40	14.04	bdl	0.21	0.01	bdl	bdl	101.73	kimberlitic
Horn Plateau	085L_2005_1142	0.25 - 0.5	21744-018	nd	0.47	0.03	49.22	0.24	0.47	1.94	4.14	36.94	0.33	9.61	bdl	0.04	0.03	bdl	bdl	103.47	kimberlitic
Horn Plateau	085L_2005_1142	0.25 - 0.5	21744-019	nd	0.08	0.05	45.87	0.40	0.36	0.92	0.64	46.01	0.33	6.52	0.03	0.15	0.01	bdl	bdl	101.35	kimberlitic

Horn Plateau	085L_2005_1142	0.25 - 0.5	21744-020	nd	0.63	0.02	50.99	0.17	0.49	4.45	6.37	28.64	0.32	11.94	0.01	0.13	0.04	bdl	bdl	104.20	kimberlitic
Horn Plateau	085L_2005_1142	0.25 - 0.5	21744-021	nd	0.73	0.01	48.52	0.38	0.37	2.10	6.68	36.75	0.38	9.57	0.03	0.08	0.03	bdl	bdl	105.63	kimberlitic
Horn Plateau	085L_2005_1142	0.25 - 0.5	21744-022	nd	0.15	0.04	53.45	0.48	0.17	1.50	1.28	29.48	0.37	12.10	bdl	0.17	0.03	bdl	bdl	99.22	kimberlitic
Horn Plateau	085L_2005_1144	0.25 - 0.5	21744-023	nd	bdl	0.03	52.40	0.13	0.14	0.05	0.32	46.64	0.85	1.29	0.08	bdl	bdl	bdl	bdl	101.94	non-kimberlitic
Horn Plateau	085L_2005_1145	0.25 - 0.5	21744-024	nd	0.27	0.05	51.99	0.42	0.46	0.89	4.14	32.36	0.37	11.46	0.09	0.11	0.04	bdl	bdl	102.66	kimberlitic
Horn Plateau	085L_2005_1145	0.25 - 0.5	21744-025	nd	0.35	0.04	49.93	0.51	0.42	6.91	3.51	27.73	0.35	12.39	0.04	0.16	0.01	bdl	bdl	102.35	kimberlitic
Horn Plateau	085L_2005_1151	0.25 - 0.5	21744-026	nd	0.36	0.02	50.93	0.39	0.33	1.79	5.41	31.76	0.36	11.90	0.17	0.09	0.03	bdl	bdl	103.55	kimberlitic
Horn Plateau	085L_2005_1152	0.25 - 0.5	21744-027	nd	0.40	0.05	51.94	0.59	0.38	1.63	6.05	31.22	0.27	11.71	0.03	0.12	0.05	bdl	bdl	104.44	kimberlitic
Horn Plateau	085L_2005_1152	0.25 - 0.5	21744-028	nd	bdl	0.05	54.71	0.45	0.26	1.29	0.64	29.49	0.39	12.18	0.02	0.14	0.05	bdl	bdl	99.67	kimberlitic
Horn Plateau	085L_2005_1152	0.25 - 0.5	21744-029	nd	0.27	0.06	53.43	0.30	0.41	1.02	4.46	31.68	0.43	10.70	0.08	0.14	0.03	bdl	bdl	103.02	kimberlitic
Horn Plateau	085L_2005_1153	0.25 - 0.5	21744-030	nd	0.25	0.09	53.91	0.47	0.30	0.94	1.91	30.72	0.33	11.73	0.10	0.13	bdl	bdl	bdl	100.89	kimberlitic
Horn Plateau	085L_2005_1153	0.25 - 0.5	21744-031	nd	0.29	0.04	50.70	0.28	0.43	1.64	4.46	34.12	0.28	9.13	0.15	0.06	0.03	bdl	bdl	101.60	kimberlitic
Horn Plateau	085L_2005_2098	0.25 - 0.5	21744-032	nd	0.11	0.03	53.82	0.58	0.25	4.41	2.55	23.87	0.27	14.49	0.06	0.24	0.01	bdl	bdl	100.68	kimberlitic
Horn Plateau	085L_2005_2098	0.25 - 0.5	21744-033	nd	0.36	0.04	49.22	0.41	0.44	0.28	4.46	40.04	0.31	8.39	0.01	bdl	0.02	bdl	bdl	103.98	kimberlitic
Horn Plateau	085L_2005_2098	0.25 - 0.5	21744-034	nd	0.05	0.10	52.41	0.49	0.37	3.17	1.91	28.37	0.34	12.73	bdl	0.06	bdl	bdl	bdl	100.01	kimberlitic
Horn Plateau	085L_2005_2103	0.25 - 0.5	21744-035	nd	0.07	0.05	53.37	0.60	0.33	2.38	1.60	26.42	0.38	15.85	0.07	0.11	0.01	bdl	bdl	101.22	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-036	nd	0.75	0.05	42.11	0.29	0.59	4.64	7.00	43.38	0.26	7.12	bdl	0.07	0.02	bdl	bdl	106.27	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-038	nd	0.79	0.03	46.17	0.19	0.56	5.77	8.27	34.53	0.31	9.93	bdl	0.20	0.04	bdl	bdl	106.78	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-039	nd	0.20	0.05	51.41	0.59	0.42	2.52	4.14	31.11	0.33	12.08	0.15	0.17	0.02	bdl	bdl	103.20	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-040	nd	0.27	0.04	52.89	0.65	0.49	3.28	2.55	26.74	0.35	13.22	0.15	0.19	0.05	bdl	bdl	100.88	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-041	nd	0.07	0.08	54.76	0.49	0.34	1.50	1.28	29.05	0.45	12.30	bdl	0.15	bdl	bdl	bdl	100.48	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-042	nd	0.35	0.09	52.88	0.61	0.44	3.34	3.82	26.96	0.28	13.30	0.04	0.25	0.03	bdl	bdl	102.40	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-043	nd	0.05	0.03	51.36	0.05	0.40	bdl	1.60	48.96	0.42	0.35	bdl	0.15	0.02	bdl	bdl	103.37	non-kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-044	nd	0.52	0.06	49.86	0.45	0.26	1.83	4.78	34.97	0.39	10.06	0.01	0.12	0.01	bdl	bdl	103.31	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-045	nd	0.42	0.05	51.28	0.44	0.32	0.99	5.10	32.82	0.38	11.09	0.01	0.20	bdl	bdl	bdl	103.09	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-046	nd	0.33	0.02	53.50	0.50	0.50	4.09	4.46	25.09	0.26	13.63	bdl	0.12	0.03	bdl	bdl	102.53	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-047	nd	0.58	0.03	51.22	0.55	0.24	1.75	6.37	32.32	0.26	11.14	bdl	0.02	0.07	bdl	bdl	104.54	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-048	nd	0.24	0.00	43.38	0.21	0.31	0.53	3.82	50.86	0.26	5.20	0.14	0.07	0.02	bdl	bdl	105.04	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-049	nd	0.50	0.06	52.86	0.50	0.62	1.69	5.10	29.47	0.40	12.41	0.01	0.02	0.06	bdl	bdl	103.70	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-050	nd	0.20	0.03	51.55	0.61	0.47	3.87	2.55	28.80	0.26	12.21	0.16	0.23	0.02	bdl	bdl	100.97	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-051	nd	0.20	0.06	51.60	0.61	0.45	2.02	2.87	32.09	0.25	11.84	0.03	0.15	0.06	bdl	bdl	102.22	kimberlitic
Horn Plateau	085L_2005_2112	0.25 - 0.5	21744-053	nd	0.07	0.01	53.02	0.45	0.40	2.75	1.60	28.71	0.31	12.78	bdl	0.23	0.04	bdl	bdl	100.37	kimberlitic
Horn Plateau	085L_2005_2112	0.25 - 0.5	21744-054	nd	0.39	0.04	52.81	0.75	0.50	2.74	4.14	27.77	0.24	13.01	0.21	0.27	0.04	bdl	bdl	102.92	kimberlitic
Horn Plateau	085L_2005_2112	0.25 - 0.5	21744-055	nd	0.28	0.03	53.40	0.45	0.41	1.85	2.55	28.03	0.38	12.83	0.01	0.14	0.04	bdl	bdl	100.40	kimberlitic
Horn Plateau	085L_2005_2112	0.25 - 0.5	21744-056	nd	0.03	bdl	54.42	0.56	0.42	1.13	0.96	28.48	0.26	13.13	0.07	0.23	0.01	bdl	bdl	99.70	kimberlitic
Horn Plateau	085L_2005_2112	0.25 - 0.5	21744-057	nd	0.25	0.06	54.10	0.61	0.41	1.86	4.46	27.72	0.31	12.79	0.08	0.18	0.02	bdl	bdl	102.83	kimberlitic
Horn Plateau	085L_2005_2106	0.25 - 0.5	21744-058	nd	0.40	0.03	47.95	0.36	0.65	2.29	5.41	36.92	0.33	9.29	0.01	0.11	0.00	bdl	bdl	103.76	kimberlitic
Horn Plateau	085L_2005_2114	0.25 - 0.5	21744-059	nd	0.20	0.05	45.38	0.29	0.41	0.69	2.55	46.35	0.23	6.67	0.04	bdl	bdl	bdl	bdl	102.85	kimberlitic
Horn Plateau	085L_2005_2114	0.25 - 0.5	21744-060	nd	0.23	0.01	51.91	0.49	0.44	1.13	2.87	32.62	0.32	11.21	bdl	0.12	0.04	bdl	bdl	101.38	kimberlitic
Horn Plateau	085L_2005_2114	0.25 - 0.5	21744-061	nd	0.17	0.08	51.33	0.57	0.54	2.67	2.23	30.43	0.29	12.01	bdl	0.12	0.01	bdl	bdl	100.45	kimberlitic
Horn Plateau	085L_2005_2114	0.25 - 0.5	21744-062	nd	0.24	0.07	49.28	0.68	0.46	5.71	1.60	30.29	0.39	11.62	0.04	0.13	0.02	bdl	bdl	100.52	kimberlitic
Horn Plateau	085L_2005_2114	0.25 - 0.5	21744-063	nd	0.19	0.01	52.80	0.68	0.32	2.51	2.55	28.46	0.28	12.93	0.17	0.15	0.03	bdl	bdl	101.07	kimberlitic
Horn Plateau	085L_2005_2114	0.25 - 0.5	21744-064	nd	bdl	0.09	53.20	0.46	0.43	1.47	bdl	32.22	0.33	11.89	bdl	0.17	0.05	bdl	bdl	100.32	kimberlitic
Horn Plateau	085L_2005_2114	0.25 - 0.5	21744-065	nd	0.07	0.06	53.02	0.48	0.38	0.70	0.96	32.36	0.39	11.46	0.00	0.09	0.04	bdl	bdl	100.00	kimberlitic
Horn Plateau	085L_2005_2114	0.25 - 0.5	21744-066	nd	0.12	0.03	55.17	0.25	0.37	1.26	1.60	29.19	0.33	12.67	0.10	0.18	0.05	bdl	bdl	101.32	kimberlitic

Horn Plateau	085L_2005_2114	0.25 - 0.5	21744-067	nd	0.36	0.05	55.99	0.86	0.35	1.94	4.46	24.47	0.21	14.67	0.06	0.21	0.02	bdl	bdl	103.66	kimberlitic
Horn Plateau	085L_2005_2115	0.25 - 0.5	21744-068	nd	0.12	0.13	50.06	0.31	0.51	1.11	0.64	37.44	0.37	9.36	bdl	0.05	0.03	bdl	bdl	100.14	kimberlitic
Horn Plateau	085L_2005_2115	0.25 - 0.5	21744-069	nd	0.32	bdl	51.90	0.58	0.43	1.82	5.41	31.43	0.25	11.93	0.13	0.10	0.00	bdl	bdl	104.30	kimberlitic
Horn Plateau	085L_2005_2115	0.25 - 0.5	21744-070	nd	0.16	0.05	53.23	0.61	0.49	2.65	2.23	29.09	0.36	12.65	0.02	0.24	0.04	bdl	bdl	101.82	kimberlitic
Horn Plateau	085L_2005_2130	0.25 - 0.5	21744-071	nd	0.09	0.03	53.47	0.53	0.42	3.30	0.64	27.00	0.26	13.43	0.02	0.14	0.05	bdl	bdl	99.38	kimberlitic
Horn Plateau	085L_2005_2130	0.25 - 0.5	21744-072	nd	0.31	0.06	53.01	0.58	0.53	2.67	3.51	28.64	0.20	12.48	0.00	0.14	bdl	bdl	bdl	102.13	kimberlitic
Horn Plateau	085L_2005_2130	0.25 - 0.5	21744-073	nd	0.23	0.01	53.37	0.60	0.32	2.76	4.78	26.56	0.43	13.11	0.03	0.14	0.02	bdl	bdl	102.37	kimberlitic
Horn Plateau	085L_2005_2130	0.25 - 0.5	21744-074	nd	0.20	0.05	52.10	0.60	0.44	1.23	2.23	32.01	0.34	11.30	0.03	0.14	0.05	bdl	bdl	100.73	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-075	nd	0.11	0.05	53.32	0.40	0.33	0.98	2.87	31.56	0.24	11.15	bdl	0.08	0.01	bdl	bdl	101.10	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-076	nd	0.35	bdl	52.96	0.57	0.32	3.64	4.78	26.37	0.23	13.54	bdl	0.16	bdl	bdl	bdl	102.92	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-077	nd	0.57	0.03	52.71	0.44	0.43	2.52	5.73	29.56	0.21	12.01	bdl	0.13	0.01	bdl	bdl	104.35	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-078	nd	0.28	0.03	49.57	0.34	0.44	1.34	3.51	36.43	0.32	9.91	bdl	0.14	0.05	bdl	bdl	102.37	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-079	nd	0.13	bdl	56.86	0.55	0.26	0.90	1.60	29.96	0.47	12.61	bdl	0.11	0.04	bdl	bdl	103.46	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-080	nd	bdl	0.05	53.54	0.66	0.40	3.26	bdl	29.63	0.30	13.86	bdl	0.20	bdl	bdl	bdl	101.90	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-081	nd	0.32	0.01	48.36	0.31	0.44	3.79	4.78	34.83	0.37	10.12	0.14	0.12	0.03	bdl	bdl	103.60	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-082	nd	bdl	0.09	54.57	0.49	0.33	2.23	1.28	28.91	0.25	11.90	0.07	0.30	0.01	bdl	bdl	100.43	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-083	nd	0.35	0.10	53.61	0.65	0.64	2.75	3.82	27.44	0.22	13.32	bdl	0.08	0.02	bdl	bdl	103.01	kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-084	nd	0.07	0.06	53.52	0.62	0.30	1.31	2.23	28.18	0.22	13.13	0.04	0.06	0.04	bdl	bdl	99.79	kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-085	nd	0.27	0.08	52.81	0.58	0.44	3.06	2.87	27.83	0.30	12.80	0.08	0.18	0.06	bdl	bdl	101.37	kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-086	nd	bdl	0.08	54.34	0.59	0.40	1.74	bdl	30.57	0.42	12.53	0.04	0.12	0.02	bdl	bdl	100.85	kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-087	nd	0.09	0.03	52.01	0.44	0.21	0.28	2.55	36.45	0.15	9.29	0.06	0.01	0.06	bdl	bdl	101.63	kimberlitic
Horn Plateau	085L_2005_2153	0.25 - 0.5	21744-088	nd	0.15	0.07	48.92	0.41	0.36	1.90	1.28	38.44	0.33	8.83	0.05	0.07	bdl	bdl	bdl	100.79	kimberlitic
Horn Plateau	085E_2005_2176	0.25 - 0.5	21744-089	nd	0.39	0.07	52.98	0.35	0.42	1.21	2.55	31.14	0.33	11.68	bdl	0.09	0.04	bdl	bdl	101.27	kimberlitic
Horn Plateau	085L_2005_2199	0.25 - 0.5	21744-090	nd	0.12	0.05	52.16	0.50	0.31	1.55	1.28	33.36	0.39	10.63	0.03	0.21	0.04	bdl	bdl	100.63	kimberlitic
Horn Plateau	085L_2005_2199	0.25 - 0.5	21744-091	nd	0.47	0.05	52.96	0.47	0.47	2.42	4.46	29.96	0.27	11.85	0.01	0.01	0.00	bdl	bdl	103.40	kimberlitic
Horn Plateau	085L_2005_2199	0.25 - 0.5	21744-092	nd	0.12	0.06	55.05	0.68	0.41	1.94	3.51	27.11	0.36	13.46	bdl	0.27	0.01	bdl	bdl	102.97	kimberlitic
Horn Plateau	085L_2005_2199	0.25 - 0.5	21744-093	nd	0.01	0.04	53.64	0.47	0.27	1.02	0.96	31.55	0.31	11.30	0.09	0.07	0.04	bdl	bdl	99.77	kimberlitic
Horn Plateau	085L_2005_2199	0.25 - 0.5	21744-094	nd	0.28	0.02	52.48	0.63	0.55	6.24	5.41	24.50	0.27	13.60	0.17	0.24	0.05	bdl	bdl	104.45	kimberlitic
Horn Plateau	085L_2005_2200	0.25 - 0.5	21744-095	nd	0.25	0.01	53.14	0.62	0.23	3.72	3.82	27.10	0.28	13.51	0.04	0.20	0.02	bdl	bdl	102.95	kimberlitic
Horn Plateau	085L_2005_2207	0.25 - 0.5	21744-096	nd	0.29	0.03	51.76	0.51	0.66	0.86	3.82	33.03	0.29	10.68	bdl	0.01	0.04	bdl	bdl	102.00	kimberlitic
Horn Plateau	085L_2005_1122	0.25 - 0.5	21744-106	nd	0.15	0.03	52.45	0.58	0.45	1.01	0.96	31.88	0.40	11.43	bdl	0.16	0.04	bdl	bdl	99.53	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-132	nd	0.41	0.06	52.04	0.57	0.37	2.38	4.14	30.06	0.34	11.86	bdl	0.14	0.04	bdl	bdl	102.42	kimberlitic
Horn Plateau	085L_2005_2115	0.25 - 0.5	21744-141	nd	0.04	0.03	53.22	0.60	0.30	4.70	0.32	25.52	0.34	13.82	bdl	0.20	0.00	bdl	bdl	99.10	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-150	nd	0.12	0.04	52.65	0.03	0.17	0.02	2.23	48.08	0.61	0.28	0.04	bdl	bdl	bdl	bdl	104.28	non-kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-154	nd	bdl	0.05	52.42	0.06	0.16	0.14	0.64	47.59	0.70	0.15	0.10	0.11	0.05	bdl	bdl	102.17	non-kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-155	nd	0.07	0.04	52.26	0.09	0.28	bdl	1.60	47.66	0.52	0.28	0.12	bdl	bdl	bdl	bdl	102.92	non-kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-156	nd	bdl	0.10	51.01	0.09	0.75	0.04	bdl	48.21	0.40	0.28	0.14	bdl	0.03	bdl	bdl	101.05	non-kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-160	nd	0.04	0.05	52.82	0.06	0.36	0.04	0.96	47.15	1.03	0.22	0.08	bdl	0.03	bdl	bdl	102.84	non-kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-161	nd	0.04	0.05	49.23	0.48	0.30	0.01	2.23	45.97	0.44	4.05	0.06	0.02	0.03	bdl	bdl	102.93	non-kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-162	nd	bdl	0.04	50.60	0.11	0.65	bdl	1.91	48.47	0.61	0.42	0.03	0.05	bdl	bdl	bdl	102.89	non-kimberlitic
Horn Plateau	095H_2005_1002	1.0 - 2.0	21748-001	nd	0.29	0.07	48.19	0.26	0.35	2.30	3.82	35.80	0.27	10.31	0.09	0.18	0.03	bdl	bdl	101.98	kimberlitic
Horn Plateau	095H_2005_1003	1.0 - 2.0	21748-002	nd	0.01	0.04	51.75	0.56	0.59	3.60	0.32	29.40	0.24	12.33	0.05	0.15	0.02	bdl	bdl	99.08	kimberlitic
Horn Plateau	095H_2005_2002	1.0 - 2.0	21748-003	nd	0.16	0.02	54.00	0.59	0.41	1.75	bdl	30.63	0.40	13.59	bdl	0.22	0.01	bdl	bdl	101.79	kimberlitic
Horn Plateau	095H_2005_2012	1.0 - 2.0	21748-004	nd	0.37	0.16	52.77	0.61	0.49	1.60	3.19	30.94	0.30	11.73	0.04	0.09	0.02	bdl	bdl	102.32	kimberlitic
Horn Plateau	095H_2005_1003	0.5 - 1.0	21748-005	nd	0.44	0.03	48.25	0.42	0.39	2.10	3.51	36.81	0.37	9.63	0.04	0.04	0.05	bdl	bdl	102.06	kimberlitic

Horn Plateau	095H_2005_1005	0.5 - 1.0	21748-006	nd	0.15	0.09	53.62	0.54	0.68	1.99	1.28	28.81	0.31	12.71	0.06	0.15	bdl	bdl	bdl	100.39	kimberlitic
Horn Plateau	095H_2005_1005	0.5 - 1.0	21748-007	nd	0.27	0.06	53.23	0.45	0.54	2.64	3.82	28.49	0.15	12.55	bdl	0.16	0.00	bdl	bdl	102.37	kimberlitic
Horn Plateau	095H_2005_1005	0.5 - 1.0	21748-008	nd	0.52	0.05	46.40	0.20	0.32	0.28	5.73	44.94	0.28	6.52	bdl	0.12	0.06	bdl	bdl	105.43	kimberlitic
Horn Plateau	095H_2005_1005	0.5 - 1.0	21748-009	nd	0.11	0.05	49.20	0.33	0.45	1.15	2.55	39.61	0.40	8.12	bdl	0.11	0.02	bdl	bdl	102.10	kimberlitic
Horn Plateau	095H_2005_1006	0.5 - 1.0	21748-010	nd	0.20	0.02	53.13	0.45	0.39	4.64	2.55	25.78	0.30	13.66	0.01	0.11	bdl	bdl	bdl	101.23	kimberlitic
Horn Plateau	095H_2005_1006	0.5 - 1.0	21748-011	nd	0.59	0.07	47.34	0.38	0.45	5.50	5.73	34.48	0.38	9.75	0.01	0.13	bdl	bdl	bdl	104.81	kimberlitic
Horn Plateau	095H_2005_1006	0.5 - 1.0	21748-012	nd	0.20	0.01	53.18	0.54	0.37	1.89	1.60	28.43	0.27	13.18	bdl	0.17	0.03	bdl	bdl	99.87	kimberlitic
Horn Plateau	095H_2005_1006	0.5 - 1.0	21748-013	nd	0.21	bdl	51.22	0.43	0.46	5.01	1.60	28.67	0.29	12.54	bdl	0.03	0.01	bdl	bdl	100.47	kimberlitic
Horn Plateau	095H_2005_1006	0.5 - 1.0	21748-014	nd	0.19	0.06	50.54	0.49	0.30	1.88	2.55	33.91	0.36	10.95	0.04	0.07	0.02	bdl	bdl	101.37	kimberlitic
Horn Plateau	095H_2005_1006	0.5 - 1.0	21748-015	nd	0.35	0.02	51.84	0.55	0.39	4.81	3.19	25.29	0.21	13.90	0.09	0.24	0.02	bdl	bdl	100.90	kimberlitic
Horn Plateau	095H_2005_1009	0.5 - 1.0	21748-016	nd	0.43	bdl	47.51	0.16	0.61	2.02	5.10	38.45	0.34	8.66	bdl	0.10	bdl	bdl	bdl	103.38	kimberlitic
Horn Plateau	095H_2005_1009	0.5 - 1.0	21748-017	nd	0.41	0.04	51.63	0.47	0.37	2.48	3.82	29.88	0.32	12.54	0.12	0.15	0.03	bdl	bdl	102.28	kimberlitic
Horn Plateau	095H_2005_1009	0.5 - 1.0	21748-018	nd	0.20	0.05	53.08	0.52	0.32	1.97	2.55	29.08	0.31	12.29	0.01	0.08	0.02	bdl	bdl	100.48	kimberlitic
Horn Plateau	095H_2005_1011	0.5 - 1.0	21748-019	nd	0.15	0.08	51.09	0.68	0.36	2.19	0.96	31.50	0.34	11.93	bdl	0.10	0.02	bdl	bdl	99.41	kimberlitic
Horn Plateau	095H_2005_1017	0.5 - 1.0	21748-020	nd	0.47	0.03	45.48	0.21	0.39	0.44	5.10	46.86	0.22	6.18	0.15	0.13	0.04	bdl	bdl	105.69	kimberlitic
Horn Plateau	095H_2005_1017	0.5 - 1.0	21748-021	nd	0.28	0.05	44.76	0.32	0.52	0.59	3.19	47.15	0.30	6.09	0.08	0.11	0.00	bdl	bdl	103.44	kimberlitic
Horn Plateau	095H_2005_1017	0.5 - 1.0	21748-022	nd	0.25	0.06	51.85	0.57	0.40	3.83	3.82	27.06	0.29	13.16	0.05	0.21	0.03	bdl	bdl	101.60	kimberlitic
Horn Plateau	095H_2005_1017	0.5 - 1.0	21748-023	nd	0.25	0.04	52.11	0.56	0.48	2.93	3.51	29.64	0.35	12.82	bdl	0.13	0.01	bdl	bdl	102.84	kimberlitic
Horn Plateau	095H_2005_1017	0.5 - 1.0	21748-024	nd	0.40	0.02	53.39	0.42	0.27	0.58	4.78	31.82	0.37	10.82	0.07	0.04	0.02	bdl	bdl	102.98	kimberlitic
Horn Plateau	095H_2005_1020	0.5 - 1.0	21748-025	nd	bdl	0.08	52.37	0.04	0.16	0.04	0.96	46.72	1.75	0.19	bdl	bdl	bdl	bdl	bdl	102.32	non-kimberlitic
Horn Plateau	095H_2005_1023	0.5 - 1.0	21748-026	nd	0.28	0.01	50.84	0.55	0.32	9.10	3.19	23.57	0.30	13.94	0.02	0.27	0.01	bdl	bdl	102.40	kimberlitic
Horn Plateau	095H_2005_1023	0.5 - 1.0	21748-027	nd	0.03	0.05	53.66	0.54	0.25	1.90	bdl	32.03	0.37	12.15	0.05	0.06	0.02	bdl	bdl	101.11	kimberlitic
Horn Plateau	095H_2005_1024	0.5 - 1.0	21748-028	nd	0.57	bdl	52.64	0.40	0.38	0.93	6.05	31.32	0.40	11.47	bdl	0.05	0.03	bdl	bdl	104.23	kimberlitic
Horn Plateau	095H_2005_1024	0.5 - 1.0	21748-029	nd	0.11	0.07	52.43	0.55	0.47	3.04	0.32	29.88	0.21	12.26	0.01	0.15	0.06	bdl	bdl	99.56	kimberlitic
Horn Plateau	095H_2005_1025	0.5 - 1.0	21748-030	nd	0.47	0.05	45.31	0.21	0.41	0.69	5.73	46.56	0.20	6.13	bdl	0.13	0.01	bdl	bdl	105.91	kimberlitic
Horn Plateau	095H_2005_1025	0.5 - 1.0	21748-031	nd	0.35	0.05	52.04	0.57	0.47	2.14	3.51	30.50	0.27	12.00	0.15	0.13	0.03	bdl	bdl	102.21	kimberlitic
Horn Plateau	095H_2005_1027	0.5 - 1.0	21748-032	nd	0.28	0.06	53.37	0.53	0.46	2.75	3.82	27.63	0.48	12.82	0.01	0.18	0.03	bdl	bdl	102.43	kimberlitic
Horn Plateau	095H_2005_2002	0.5 - 1.0	21748-033	nd	0.23	0.03	45.24	0.23	0.43	0.65	2.23	47.51	0.20	5.86	bdl	0.05	bdl	bdl	bdl	102.66	kimberlitic
Horn Plateau	095H_2005_2002	0.5 - 1.0	21748-034	nd	0.17	0.02	52.97	0.62	0.52	2.15	2.23	29.95	0.34	12.14	0.07	0.07	0.03	bdl	bdl	101.28	kimberlitic
Horn Plateau	095H_2005_2002	0.5 - 1.0	21748-035	nd	0.04	0.04	54.19	0.28	0.43	4.41	0.64	25.62	0.29	14.09	0.00	0.15	0.03	bdl	bdl	100.21	kimberlitic
Horn Plateau	095H_2005_2004	0.5 - 1.0	21748-036	nd	0.12	0.06	53.40	0.52	0.49	3.58	1.60	25.89	0.35	14.05	bdl	0.17	0.03	bdl	bdl	100.24	kimberlitic
Horn Plateau	095H_2005_2004	0.5 - 1.0	21748-037	nd	0.33	0.05	54.03	0.54	0.32	1.22	4.14	28.53	0.37	13.29	0.09	0.11	0.01	bdl	bdl	103.03	kimberlitic
Horn Plateau	095H_2005_2005	0.5 - 1.0	21748-038	nd	0.25	0.02	51.64	0.41	0.51	1.68	4.14	32.59	0.42	10.99	0.10	0.12	0.01	bdl	bdl	102.88	kimberlitic
Horn Plateau	095H_2005_2005	0.5 - 1.0	21748-039	nd	0.16	0.01	51.91	0.62	0.37	1.69	2.55	31.57	0.34	11.48	0.04	0.14	bdl	bdl	bdl	100.89	kimberlitic
Horn Plateau	095H_2005_2005	0.5 - 1.0	21748-040	nd	0.24	0.09	43.54	0.21	0.50	0.48	5.10	49.82	0.22	5.24	0.13	bdl	0.04	bdl	bdl	105.61	kimberlitic
Horn Plateau	095H_2005_2005	0.5 - 1.0	21748-041	nd	0.31	0.09	52.34	0.64	0.37	3.03	3.19	27.26	0.25	13.18	bdl	0.14	0.02	bdl	bdl	100.82	kimberlitic
Horn Plateau	095H_2005_2005	0.5 - 1.0	21748-042	nd	0.32	0.02	51.39	0.26	0.35	0.64	4.78	36.07	0.34	9.12	0.07	0.17	bdl	bdl	bdl	103.51	kimberlitic
Horn Plateau	095H_2005_2007	0.5 - 1.0	21748-043	nd	0.41	0.04	51.10	0.39	0.46	2.23	3.19	31.32	0.39	11.67	bdl	0.17	0.05	bdl	bdl	101.42	kimberlitic
Horn Plateau	095H_2005_2007	0.5 - 1.0	21748-044	nd	0.23	0.02	51.43	0.63	0.40	2.01	3.51	31.41	0.25	11.66	0.07	0.15	0.06	bdl	bdl	101.84	kimberlitic
Horn Plateau	095H_2005_2011	0.5 - 1.0	21748-045	nd	0.20	0.03	54.06	0.54	0.32	1.58	0.64	27.87	0.33	13.56	0.00	0.17	0.01	bdl	bdl	99.30	kimberlitic
Horn Plateau	095H_2005_2011	0.5 - 1.0	21748-046	nd	0.31	0.09	51.85	0.51	0.48	1.48	4.46	31.92	0.24	11.32	bdl	0.16	bdl	bdl	bdl	102.82	kimberlitic
Horn Plateau	095H_2005_2012	0.5 - 1.0	21748-047	nd	0.36	0.06	52.73	0.60	0.36	2.50	4.46	28.96	0.27	12.73	0.01	0.20	0.04	bdl	bdl	103.29	kimberlitic
Horn Plateau	095H_2005_2012	0.5 - 1.0	21748-048	nd	0.33	0.07	52.11	0.64	0.51	2.86	3.51	28.88	0.29	12.31	0.00	0.22	0.03	bdl	bdl	101.76	kimberlitic
Horn Plateau	095H_2005_2012	0.5 - 1.0	21748-049	nd	0.24	0.03	52.26	0.65	0.45	2.82	2.55	28.65	0.14	12.89	0.17	0.14	0.05	bdl	bdl	101.05	kimberlitic
Horn Plateau	095H_2005_2012	0.5 - 1.0	21748-050	nd	0.35	0.07	48.23	0.24	0.35	5.00	2.87	32.62	0.38	10.90	0.03	0.27	0.05	bdl	bdl	101.35	kimberlitic

Horn Plateau	095H_2005_2012	0.5 - 1.0	21748-051	nd	0.33	0.09	52.73	0.51	0.53	4.66	3.82	24.57	0.24	14.30	0.14	0.21	0.00	bdl	bdl	102.14	kimberlitic
Horn Plateau	095H_2005_2012	0.5 - 1.0	21748-052	nd	0.52	bdl	52.28	0.33	0.46	4.06	6.05	27.17	0.32	13.06	bdl	0.14	0.03	bdl	bdl	104.42	kimberlitic
Horn Plateau	095H_2005_2013	0.5 - 1.0	21748-053	nd	0.35	0.01	51.51	0.62	0.45	2.69	3.82	30.16	0.40	12.68	0.00	0.21	0.02	bdl	bdl	102.93	kimberlitic
Horn Plateau	095H_2005_2013	0.5 - 1.0	21748-054	nd	0.07	0.05	52.26	0.51	0.45	2.71	bdl	31.97	0.35	12.55	0.03	0.13	0.03	bdl	bdl	101.10	kimberlitic
Horn Plateau	095H_2005_2015	0.5 - 1.0	21748-055	nd	0.25	0.08	51.61	0.49	0.52	1.31	1.60	33.40	0.31	10.93	0.06	0.04	0.03	bdl	bdl	100.63	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-056	nd	0.17	bdl	54.14	0.13	0.34	1.65	3.19	30.46	0.30	11.40	0.13	0.21	0.01	bdl	bdl	102.14	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-057	nd	0.07	0.10	53.09	0.69	0.45	2.77	1.60	29.10	0.28	12.83	0.06	0.06	0.03	bdl	bdl	101.11	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-058	nd	0.28	0.07	48.91	0.31	0.43	1.75	2.87	36.54	0.38	10.19	0.06	0.16	0.04	bdl	bdl	101.99	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-059	nd	0.16	0.06	47.87	0.15	0.73	1.48	3.51	38.58	0.35	9.89	0.08	0.06	0.02	bdl	bdl	102.93	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-060	nd	0.45	0.01	52.21	0.65	0.37	3.40	5.41	28.18	0.20	12.42	0.15	0.19	0.03	bdl	bdl	103.68	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-061	nd	0.20	0.03	53.47	0.58	0.40	3.23	2.23	26.89	0.25	13.08	0.07	0.12	bdl	bdl	bdl	100.55	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-062	nd	0.12	0.08	51.30	0.63	0.52	2.55	1.60	31.54	0.27	11.83	0.03	0.16	0.02	bdl	bdl	100.63	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-063	nd	0.17	0.01	52.99	0.61	0.36	1.71	2.55	29.90	0.27	12.42	0.04	0.12	0.02	bdl	bdl	101.17	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-064	nd	bdl	0.06	54.16	0.61	0.45	1.95	2.23	27.56	0.22	13.41	0.09	0.15	0.03	bdl	bdl	100.93	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-065	nd	0.12	0.06	52.95	0.66	0.32	1.78	1.28	29.29	0.40	13.01	bdl	0.15	0.02	bdl	bdl	100.04	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-066	nd	0.25	0.05	47.02	0.39	0.27	2.72	4.78	40.04	0.45	7.51	0.02	bdl	0.01	bdl	bdl	103.52	kimberlitic
Horn Plateau	095H_2005_2017	0.5 - 1.0	21748-067	nd	0.09	0.10	53.19	0.47	0.42	2.75	0.64	28.44	0.35	13.08	0.09	0.12	0.04	bdl	bdl	99.80	kimberlitic
Horn Plateau	095H_2005_2017	0.5 - 1.0	21748-068	nd	0.21	0.01	52.07	0.31	0.48	0.58	4.78	34.45	0.32	10.20	0.14	0.02	bdl	bdl	bdl	103.57	kimberlitic
Horn Plateau	095H_2005_2017	0.5 - 1.0	21748-069	nd	0.23	0.01	51.90	0.32	0.65	0.94	2.87	34.00	0.38	10.46	bdl	0.10	0.01	bdl	bdl	101.87	kimberlitic
Horn Plateau	095H_2005_2017	0.5 - 1.0	21748-070	nd	0.24	bdl	50.74	0.20	0.50	1.11	2.55	36.83	0.30	9.33	0.08	0.04	0.01	bdl	bdl	101.92	kimberlitic
Horn Plateau	095H_2005_2017	0.5 - 1.0	21748-071	nd	0.32	0.03	50.61	0.25	0.58	1.10	3.51	36.53	0.26	9.54	0.10	0.08	bdl	bdl	bdl	102.90	kimberlitic
Horn Plateau	095H_2005_2017	0.5 - 1.0	21748-072	nd	0.27	0.00	50.35	0.24	0.56	1.02	3.19	36.44	0.37	9.39	0.07	0.08	0.01	bdl	bdl	101.98	kimberlitic
Horn Plateau	095I_2005_2010	0.5 - 1.0	21748-073	nd	0.32	0.10	54.46	0.51	0.44	1.59	3.82	28.35	0.30	13.08	bdl	0.08	0.03	bdl	bdl	103.07	kimberlitic
Horn Plateau	095I_2005_2015	0.5 - 1.0	21748-074	nd	0.11	0.01	47.94	0.40	0.36	0.87	2.87	42.23	0.26	7.60	0.12	0.13	bdl	bdl	bdl	102.89	kimberlitic
Horn Plateau	095I_2005_2018	0.5 - 1.0	21748-075	nd	0.17	bdl	53.00	0.54	0.37	1.63	2.23	34.40	0.36	11.20	0.10	0.11	0.01	bdl	bdl	104.11	kimberlitic
Horn Plateau	095I_2005_2018	0.5 - 1.0	21748-076	nd	0.35	0.04	52.02	0.32	0.46	1.23	2.55	33.48	0.34	10.86	0.03	0.11	bdl	bdl	bdl	101.78	kimberlitic
Horn Plateau	095I_2005_2019	0.5 - 1.0	21748-077	nd	0.17	0.04	53.39	0.35	0.30	5.41	2.87	24.39	0.35	13.76	0.07	0.22	0.04	bdl	bdl	101.38	kimberlitic
Horn Plateau	095I_2005_2019	0.5 - 1.0	21748-078	nd	0.05	bdl	53.07	0.36	0.30	5.55	bdl	27.55	0.38	14.22	0.00	0.12	0.01	bdl	bdl	101.61	kimberlitic
Horn Plateau	095I_2005_2019	0.5 - 1.0	21748-079	nd	0.32	0.01	52.04	0.53	0.66	2.81	4.14	29.34	0.28	12.43	0.05	0.12	bdl	bdl	bdl	102.75	kimberlitic
Horn Plateau	095I_2005_2019	0.5 - 1.0	21748-080	nd	0.25	0.03	53.57	0.50	0.41	1.01	2.87	29.79	0.33	12.33	0.06	0.10	0.03	bdl	bdl	101.28	kimberlitic
Horn Plateau	095I_2005_2027	0.5 - 1.0	21748-081	nd	0.31	0.03	52.57	0.62	0.44	1.73	3.82	32.07	0.27	11.58	bdl	0.12	0.02	bdl	bdl	103.57	kimberlitic
Horn Plateau	095I_2005_2027	0.5 - 1.0	21748-082	nd	0.23	0.10	54.14	0.64	0.50	2.33	2.55	27.46	0.24	13.48	bdl	0.09	0.02	bdl	bdl	101.77	kimberlitic
Horn Plateau	095I_2005_2027	0.5 - 1.0	21748-083	nd	0.27	0.09	52.62	0.53	0.41	2.73	3.82	29.06	0.27	12.31	0.11	0.18	0.02	bdl	bdl	102.43	kimberlitic
Horn Plateau	095I_2005_2029	0.5 - 1.0	21748-084	nd	0.38	0.05	54.34	0.50	0.27	5.37	4.46	21.93	0.20	15.05	0.06	0.28	0.01	bdl	bdl	102.91	kimberlitic
Horn Plateau	095I_2005_2029	0.5 - 1.0	21748-085	nd	0.01	0.01	45.27	0.23	0.39	0.55	1.28	48.20	0.26	5.81	0.11	0.12	0.06	bdl	bdl	102.31	kimberlitic
Horn Plateau	095I_2005_2032	0.5 - 1.0	21748-086	nd	0.21	0.02	46.13	0.43	0.43	2.56	2.87	41.80	0.33	7.53	0.05	0.20	bdl	bdl	bdl	102.57	kimberlitic
Horn Plateau	095I_2005_2032	0.5 - 1.0	21748-087	nd	0.19	0.04	54.42	0.60	0.33	2.38	0.96	26.81	0.31	13.87	bdl	0.11	0.05	bdl	bdl	100.06	kimberlitic
Horn Plateau	095I_2005_2034	0.5 - 1.0	21748-088	nd	0.50	0.03	49.17	0.25	0.37	0.56	6.68	39.47	0.43	7.57	0.10	0.01	0.02	bdl	bdl	105.18	kimberlitic
Horn Plateau	095I_2005_2036	0.5 - 1.0	21748-089	nd	0.01	0.08	46.40	0.36	0.38	0.79	bdl	46.22	0.21	6.60	0.14	0.03	bdl	bdl	bdl	101.24	kimberlitic
Horn Plateau	095I_2005_2040	0.5 - 1.0	21748-090	nd	0.09	0.05	52.29	0.63	0.53	2.80	1.28	30.06	0.38	12.25	0.12	0.20	0.03	bdl	bdl	100.70	kimberlitic
Horn Plateau	095I_2005_2049	0.5 - 1.0	21748-091	nd	0.41	0.00	52.20	0.52	0.39	1.18	6.05	32.04	0.31	10.95	0.12	0.10	0.01	bdl	bdl	104.27	kimberlitic
Horn Plateau	095I_2005_2049	0.5 - 1.0	21748-092	nd	0.25	0.07	52.89	0.45	0.39	0.89	3.51	33.32	0.32	10.59	bdl	0.15	0.03	bdl	bdl	102.86	kimberlitic
Horn Plateau	095I_2005_2057	0.5 - 1.0	21748-093	nd	0.24	0.04	51.52	0.44	0.33	0.91	2.55	34.06	0.29	10.81	0.05	0.07	0.03	bdl	bdl	101.33	kimberlitic
Horn Plateau	095I_2005_2057	0.5 - 1.0	21748-094	nd	0.28	bdl	54.79	0.56	0.27	1.91	3.19	28.02	0.35	12.49	bdl	0.16	0.04	bdl	bdl	102.06	kimberlitic
Horn Plateau	095I_2005_2058	0.5 - 1.0	21748-095	nd	0.24	0.07	54.78	0.52	0.42	1.04	2.23	30.71	0.27	11.19	bdl	0.24	0.04	bdl	bdl	101.76	kimberlitic

Horn Plateau	095I_2005_2058	0.5 - 1.0	21748-096	nd	0.40	bdl	55.25	0.35	0.41	3.03	4.46	26.71	0.40	12.78	bdl	0.22	0.03	bdl	bdl	104.03	kimberlitic
Horn Plateau	095I_2005_2058	0.5 - 1.0	21748-097	nd	0.13	0.05	53.61	0.64	0.35	1.69	3.82	29.16	0.27	12.97	0.07	0.19	0.05	bdl	bdl	103.00	kimberlitic
Horn Plateau	095I_2005_2058	0.5 - 1.0	21748-098	nd	0.37	0.07	52.54	0.37	0.39	1.12	4.78	31.53	0.41	11.35	0.17	0.05	0.05	bdl	bdl	103.20	kimberlitic
Horn Plateau	095I_2005_2075	0.5 - 1.0	21748-099	nd	0.05	0.03	53.64	0.63	0.45	3.05	0.96	27.29	0.26	13.30	0.06	0.08	0.03	bdl	bdl	99.84	kimberlitic
Horn Plateau	095I_2005_2075	0.5 - 1.0	21748-100	nd	0.41	0.07	51.76	0.55	0.38	1.89	5.41	31.04	0.38	11.69	0.03	0.17	0.04	bdl	bdl	103.81	kimberlitic
Horn Plateau	095I_2005_2077	0.5 - 1.0	21748-101	nd	0.28	0.02	52.61	0.62	0.50	1.33	3.19	31.80	0.31	11.59	bdl	0.05	0.05	bdl	bdl	102.35	kimberlitic
Horn Plateau	095I_2005_2077	0.5 - 1.0	21748-102	nd	0.19	0.03	46.32	0.31	0.37	0.74	2.23	45.40	0.27	6.41	0.09	0.06	0.02	bdl	bdl	102.44	kimberlitic
Horn Plateau	095I_2005_2077	0.5 - 1.0	21748-103	nd	0.35	bdl	47.91	0.31	0.31	0.89	4.46	42.34	0.18	7.08	bdl	0.10	0.03	bdl	bdl	103.96	kimberlitic
Horn Plateau	095I_2005_2077	0.5 - 1.0	21748-104	nd	bdl	0.03	52.13	0.13	0.08	bdl	bdl	47.81	1.00	0.17	0.01	0.00	0.02	bdl	bdl	101.38	non-kimberlitic
Horn Plateau	095I_2005_2077	0.5 - 1.0	21748-105	nd	0.20	0.02	47.49	0.27	0.48	1.80	1.91	41.58	0.34	7.60	bdl	0.09	0.02	bdl	bdl	101.81	kimberlitic
Horn Plateau	095I_2005_2079	0.5 - 1.0	21748-106	nd	0.20	0.00	43.95	0.25	0.24	0.65	2.55	49.65	0.26	5.63	bdl	0.10	0.04	bdl	bdl	103.51	kimberlitic
Horn Plateau	095I_2005_2079	0.5 - 1.0	21748-107	nd	0.19	0.05	45.77	0.26	0.42	7.30	3.51	34.71	0.36	9.76	0.07	0.20	0.01	bdl	bdl	102.62	kimberlitic
Horn Plateau	095I_2005_2079	0.5 - 1.0	21748-108	nd	0.20	0.04	53.32	0.72	0.49	1.38	2.87	29.60	0.35	12.79	bdl	0.12	bdl	bdl	bdl	101.88	kimberlitic
Horn Plateau	095I_2005_2079	0.5 - 1.0	21748-109	nd	bdl	0.01	53.21	0.67	0.44	2.80	0.32	29.16	0.40	12.57	bdl	0.11	0.05	bdl	bdl	99.76	kimberlitic
Horn Plateau	095I_2005_2079	0.5 - 1.0	21748-110	nd	0.31	0.06	52.35	0.58	0.42	1.72	4.78	30.48	0.35	12.42	0.11	0.13	0.06	bdl	bdl	103.78	kimberlitic
Horn Plateau	095I_2005_2083	0.5 - 1.0	21748-111	nd	0.45	0.05	52.60	0.39	0.35	1.10	5.73	32.19	0.25	11.01	0.03	0.17	0.03	bdl	bdl	104.36	kimberlitic
Horn Plateau	095I_2005_2083	0.5 - 1.0	21748-112	nd	0.19	0.08	54.83	0.34	0.34	2.83	1.28	27.09	0.25	13.21	0.09	0.12	0.03	bdl	bdl	100.68	kimberlitic
Horn Plateau	095I_2005_2088	0.5 - 1.0	21748-113	nd	0.48	0.07	50.81	0.61	0.42	1.47	5.10	32.82	0.30	10.81	0.05	0.10	0.00	bdl	bdl	103.05	kimberlitic
Horn Plateau	095I_2005_2092	0.5 - 1.0	21748-114	nd	0.32	0.05	54.69	0.44	0.51	1.18	5.10	28.18	0.23	12.80	0.15	0.13	bdl	bdl	bdl	103.78	kimberlitic
Horn Plateau	095I_2005_2049	0.5 - 1.0	21748-142	nd	0.17	bdl	51.59	0.09	0.12	0.10	2.55	47.83	0.69	0.21	0.05	0.11	bdl	bdl	bdl	103.52	non-kimberlitic
Horn Plateau	095H_2005_1003	0.25 - 0.5	21749-001	nd	0.44	0.07	50.16	0.47	0.48	1.80	5.41	33.77	0.29	10.55	0.08	0.07	0.02	bdl	bdl	103.64	kimberlitic
Horn Plateau	095H_2005_1004	0.25 - 0.5	21749-003	nd	0.20	0.06	47.19	0.39	0.48	1.80	2.23	41.96	0.32	7.55	bdl	0.16	0.03	bdl	bdl	102.38	kimberlitic
Horn Plateau	095H_2005_1004	0.25 - 0.5	21749-004	nd	0.04	bdl	46.42	0.32	0.37	0.75	2.55	45.49	0.31	6.58	0.06	0.14	0.01	bdl	bdl	103.04	kimberlitic
Horn Plateau	095H_2005_1009	0.25 - 0.5	21749-005	nd	0.29	0.02	49.15	0.40	0.27	1.78	6.37	36.76	0.20	9.31	0.14	0.08	0.02	bdl	bdl	104.78	kimberlitic
Horn Plateau	095H_2005_1011	0.25 - 0.5	21749-006	nd	bdl	0.05	54.02	0.44	0.40	2.15	0.96	28.44	0.22	12.85	0.08	0.21	0.05	bdl	bdl	99.84	kimberlitic
Horn Plateau	095H_2005_1011	0.25 - 0.5	21749-007	nd	0.16	0.10	55.41	0.60	0.53	1.98	0.96	24.61	0.19	14.89	bdl	0.22	0.03	bdl	bdl	99.69	kimberlitic
Horn Plateau	095H_2005_1017	0.25 - 0.5	21749-008	nd	0.40	0.03	52.38	0.61	0.19	1.17	3.82	30.54	0.28	12.38	0.06	0.11	0.02	bdl	bdl	101.99	kimberlitic
Horn Plateau	095H_2005_1017	0.25 - 0.5	21749-009	nd	0.44	0.06	52.18	0.61	0.44	3.34	7.00	28.44	0.36	12.67	0.11	0.07	0.05	bdl	bdl	105.76	kimberlitic
Horn Plateau	095H_2005_1017	0.25 - 0.5	21749-010	nd	0.56	0.01	47.56	0.24	0.58	2.43	6.68	37.37	0.33	9.04	0.01	0.10	0.04	bdl	bdl	104.94	kimberlitic
Horn Plateau	095H_2005_1017	0.25 - 0.5	21749-011	nd	0.04	0.05	53.76	0.43	0.24	0.77	0.96	30.88	0.39	11.98	0.04	0.03	0.04	bdl	bdl	99.61	kimberlitic
Horn Plateau	095H_2005_1020	0.25 - 0.5	21749-012	nd	0.04	bdl	52.31	0.06	0.15	bdl	0.64	47.40	1.80	0.07	0.03	bdl	0.02	bdl	bdl	102.52	non-kimberlitic
Horn Plateau	095H_2005_1023	0.25 - 0.5	21749-013	nd	0.25	0.04	52.10	0.44	0.30	1.64	1.91	32.11	0.30	11.26	0.01	0.10	0.04	bdl	bdl	100.52	kimberlitic
Horn Plateau	095H_2005_1023	0.25 - 0.5	21749-014	nd	0.41	bdl	48.37	0.27	0.50	6.83	5.73	28.99	0.39	11.81	0.03	0.24	bdl	bdl	bdl	103.57	kimberlitic
Horn Plateau	095H_2005_1024	0.25 - 0.5	21749-015	nd	0.37	0.03	49.03	0.34	0.46	1.68	3.82	36.76	0.24	9.64	0.08	0.03	bdl	bdl	bdl	102.49	kimberlitic
Horn Plateau	095H_2005_1024	0.25 - 0.5	21749-016	nd	0.46	bdl	47.44	0.26	0.58	1.44	5.41	39.16	0.27	8.89	bdl	0.05	bdl	bdl	bdl	103.95	kimberlitic
Horn Plateau	095H_2005_1024	0.25 - 0.5	21749-017	nd	0.32	0.04	42.91	0.21	0.48	0.41	3.51	50.63	0.26	5.25	0.03	0.05	bdl	bdl	bdl	104.12	kimberlitic
Horn Plateau	095H_2005_1024	0.25 - 0.5	21749-018	nd	0.20	0.07	53.77	0.50	0.30	1.33	1.91	29.67	0.37	12.28	0.10	0.12	0.03	bdl	bdl	100.64	kimberlitic
Horn Plateau	095H_2005_2005	0.25 - 0.5	21749-019	nd	0.25	0.03	47.47	0.21	0.34	2.91	2.23	38.46	0.44	9.31	bdl	0.05	0.03	bdl	bdl	101.76	kimberlitic
Horn Plateau	095H_2005_2005	0.25 - 0.5	21749-020	nd	0.32	0.02	52.02	0.61	0.42	1.87	3.82	30.78	0.29	11.70	0.02	0.00	0.02	bdl	bdl	101.89	kimberlitic
Horn Plateau	095H_2005_2005	0.25 - 0.5	21749-021	nd	0.40	0.04	56.83	0.18	0.36	2.75	4.14	23.75	0.35	14.47	bdl	0.17	0.01	bdl	bdl	103.46	kimberlitic
Horn Plateau	095H_2005_2005	0.25 - 0.5	21749-022	nd	bdl	0.02	43.07	0.28	0.46	0.39	1.28	51.50	0.10	5.35	0.07	bdl	0.00	bdl	bdl	102.52	kimberlitic
Horn Plateau	095H_2005_2005	0.25 - 0.5	21749-023	nd	0.13	0.05	53.30	0.65	0.49	1.21	1.28	30.49	0.40	12.22	0.08	0.18	0.04	bdl	bdl	100.52	kimberlitic
Horn Plateau	095H_2005_2006	0.25 - 0.5	21749-024	nd	0.47	0.05	44.01	0.25	0.32	0.66	7.63	48.66	0.23	5.25	0.12	bdl	0.01	bdl	bdl	107.65	kimberlitic
Horn Plateau	095H_2005_2006	0.25 - 0.5	21749-025	nd	0.15	0.04	52.29	0.24	0.50	0.43	1.28	35.56	0.49	9.67	bdl	0.10	0.04	bdl	bdl	100.80	kimberlitic
Horn Plateau	095H_2005_2007	0.25 - 0.5	21749-026	nd	0.36	0.04	53.31	0.44	0.24	1.02	4.14	31.73	0.27	11.11	0.26	0.10	0.01	bdl	bdl	103.05	kimberlitic

Horn Plateau	095H_2005_2007	0.25 - 0.5	21749-027	nd	0.24	0.01	51.19	0.38	0.40	0.98	2.23	33.39	0.33	10.97	bdl	0.08	0.06	bdl	bdl	100.27	kimberlitic
Horn Plateau	095H_2005_2007	0.25 - 0.5	21749-028	nd	0.36	bdl	49.42	0.34	0.32	0.21	4.46	38.61	0.31	8.45	bdl	0.08	0.05	bdl	bdl	102.61	kimberlitic
Horn Plateau	095H_2005_2011	0.25 - 0.5	21749-029	nd	0.24	bdl	52.73	0.68	0.58	1.84	2.23	29.90	0.32	12.45	bdl	0.11	0.05	bdl	bdl	101.13	kimberlitic
Horn Plateau	095H_2005_2011	0.25 - 0.5	21749-030	nd	0.11	bdl	50.20	0.55	0.51	1.33	2.55	34.39	0.34	10.95	bdl	0.05	0.02	bdl	bdl	101.00	kimberlitic
Horn Plateau	095H_2005_2011	0.25 - 0.5	21749-031	nd	0.24	bdl	50.03	0.40	0.33	1.14	3.51	34.23	0.36	10.84	0.11	0.06	0.03	bdl	bdl	101.29	kimberlitic
Horn Plateau	095H_2005_2011	0.25 - 0.5	21749-032	nd	0.11	0.09	46.73	0.32	0.40	0.59	1.91	43.88	0.29	6.91	0.04	0.09	0.04	bdl	bdl	101.40	kimberlitic
Horn Plateau	095H_2005_2011	0.25 - 0.5	21749-033	nd	0.37	0.06	47.49	0.26	0.52	2.47	2.55	38.36	0.40	9.11	bdl	0.10	0.04	bdl	bdl	101.74	kimberlitic
Horn Plateau	095H_2005_2011	0.25 - 0.5	21749-034	nd	0.24	0.04	52.50	0.39	0.38	2.62	2.55	29.46	0.38	11.95	0.10	0.07	0.06	bdl	bdl	100.72	kimberlitic
Horn Plateau	095H_2005_2011	0.25 - 0.5	21749-035	nd	0.16	0.04	52.06	0.60	0.35	2.39	1.91	29.95	0.40	12.46	0.05	0.13	0.04	bdl	bdl	100.56	kimberlitic
Horn Plateau	095H_2005_2011	0.25 - 0.5	21749-036	nd	bdl	bdl	53.88	0.55	0.60	0.83	bdl	33.09	0.24	11.90	0.02	0.14	0.02	bdl	bdl	101.27	kimberlitic
Horn Plateau	095H_2005_2011	0.25 - 0.5	21749-037	nd	0.11	0.07	51.35	0.59	0.51	2.24	bdl	32.92	0.29	12.06	bdl	0.20	0.03	bdl	bdl	100.38	kimberlitic
Horn Plateau	095H_2005_2012	0.25 - 0.5	21749-038	nd	0.32	0.04	52.42	0.52	0.34	1.34	5.73	34.38	0.16	8.46	0.04	0.16	bdl	bdl	bdl	103.91	kimberlitic
Horn Plateau	095H_2005_2012	0.25 - 0.5	21749-039	nd	0.28	0.02	49.85	0.32	0.39	4.69	4.46	29.48	0.37	11.85	bdl	0.22	0.01	bdl	bdl	101.95	kimberlitic
Horn Plateau	095H_2005_2012	0.25 - 0.5	21749-040	nd	0.21	0.04	51.83	0.57	0.44	2.23	1.60	29.77	0.29	12.88	0.10	0.16	0.03	bdl	bdl	100.13	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-041	nd	bdl	0.04	48.26	0.08	0.09	bdl	1.28	51.98	0.72	0.13	0.17	bdl	0.02	bdl	bdl	102.77	non-kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-042	nd	0.76	0.05	49.56	0.25	0.44	2.31	10.48	33.87	0.35	10.30	0.05	0.18	bdl	bdl	bdl	108.62	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-043	nd	bdl	0.00	48.87	0.52	0.27	0.87	1.28	40.01	0.19	8.56	0.08	0.12	bdl	bdl	bdl	100.78	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-044	nd	0.23	0.03	56.65	0.86	0.20	0.98	1.28	24.51	0.24	15.33	0.02	0.24	0.04	bdl	bdl	100.61	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-045	nd	0.80	bdl	48.10	0.24	0.59	2.33	8.27	35.72	0.38	9.63	0.17	0.14	0.03	bdl	bdl	106.40	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-046	nd	0.13	0.05	54.15	0.51	0.35	4.39	1.28	24.03	0.16	14.53	0.04	0.15	0.01	bdl	bdl	99.79	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-047	nd	0.40	0.09	51.60	0.66	0.46	1.83	4.46	31.06	0.32	11.90	0.04	0.09	0.01	bdl	bdl	102.92	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-048	nd	0.51	0.05	52.90	0.53	0.46	2.61	6.68	27.54	0.30	13.27	bdl	0.17	bdl	bdl	bdl	105.02	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-049	nd	0.05	0.06	53.01	0.55	0.29	3.27	1.60	27.61	0.39	13.34	0.00	0.28	0.02	bdl	bdl	100.49	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-050	nd	0.44	0.02	51.02	0.40	0.43	2.26	5.10	31.53	0.32	11.65	0.05	0.14	0.01	bdl	bdl	103.36	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-051	nd	0.24	0.07	45.84	0.30	0.47	5.94	2.23	36.22	0.33	9.62	0.07	0.11	0.04	bdl	bdl	101.47	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-052	nd	bdl	0.04	51.09	0.07	0.53	0.06	0.64	48.36	1.15	0.06	bdl	0.01	0.07	bdl	bdl	102.08	non-kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-053	nd	0.36	0.03	51.45	0.63	0.48	1.62	5.10	31.72	0.36	11.45	bdl	0.07	bdl	bdl	bdl	103.27	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-054	nd	0.22	0.03	45.24	0.32	0.43	0.65	2.87	46.63	0.35	6.03	0.17	bdl	0.03	bdl	bdl	102.97	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-055	nd	0.11	0.10	53.53	0.51	0.23	0.60	2.23	31.53	0.34	11.35	bdl	0.13	0.02	bdl	bdl	100.66	kimberlitic
Horn Plateau	095H_2005_2017	0.25 - 0.5	21749-056	nd	0.05	0.00	50.46	0.32	0.49	0.63	1.60	37.66	0.39	9.39	0.05	0.16	0.00	bdl	bdl	101.21	kimberlitic
Horn Plateau	095H_2005_2017	0.25 - 0.5	21749-057	nd	0.08	0.06	50.64	0.32	0.44	0.62	bdl	38.19	0.38	9.41	0.01	0.05	0.02	bdl	bdl	100.23	kimberlitic
Horn Plateau	095H_2005_2017	0.25 - 0.5	21749-058	nd	0.44	0.03	56.39	0.51	0.47	1.29	5.41	27.84	0.36	14.09	bdl	0.01	0.03	bdl	bdl	106.88	kimberlitic
Horn Plateau	095H_2005_2017	0.25 - 0.5	21749-059	nd	bdl	0.01	51.23	0.07	0.25	0.12	1.28	49.49	0.63	0.27	0.05	bdl	0.03	bdl	bdl	103.42	non-kimberlitic
Horn Plateau	095H_2005_2017	0.25 - 0.5	21749-060	nd	0.39	0.01	48.72	0.19	0.39	0.85	5.41	40.31	0.29	8.10	bdl	0.03	0.01	bdl	bdl	104.70	kimberlitic
Horn Plateau	095H_2005_2017	0.25 - 0.5	21749-061	nd	0.40	0.05	49.79	0.49	0.64	1.56	4.78	31.87	0.21	12.64	0.01	0.22	0.04	bdl	bdl	102.70	kimberlitic
Horn Plateau	095H_2005_2017	0.25 - 0.5	21749-062	nd	0.43	bdl	45.61	0.06	0.41	1.76	5.10	43.95	0.35	7.11	0.06	0.07	0.03	bdl	bdl	104.93	kimberlitic
Horn Plateau	095H_2005_2017	0.25 - 0.5	21749-063	nd	0.29	0.04	50.44	0.20	0.70	0.89	3.19	37.39	0.39	9.28	bdl	0.13	bdl	bdl	bdl	102.95	kimberlitic
Horn Plateau	095H_2005_2017	0.25 - 0.5	21749-064	nd	0.11	0.02	51.27	0.35	0.61	0.50	0.32	36.44	0.32	9.84	0.01	0.06	0.02	bdl	bdl	99.87	kimberlitic
Horn Plateau	095H_2005_2017	0.25 - 0.5	21749-065	nd	bdl	0.08	50.86	0.30	0.51	1.00	0.64	35.53	0.24	10.47	0.05	0.06	0.01	bdl	bdl	99.73	kimberlitic
Horn Plateau	095H_2005_2017	0.25 - 0.5	21749-066	nd	0.62	0.03	47.47	0.35	0.51	2.98	5.41	37.73	0.39	9.20	bdl	0.10	bdl	bdl	bdl	104.79	kimberlitic
Horn Plateau	095I_2005_2006	0.25 - 0.5	21749-067	nd	0.09	0.07	55.07	0.63	0.51	1.56	bdl	31.73	0.36	13.07	0.01	0.13	0.06	bdl	bdl	103.29	kimberlitic
Horn Plateau	095I_2005_2010	0.25 - 0.5	21749-068	nd	0.40	0.01	54.36	0.57	0.36	1.36	4.46	28.00	0.40	13.14	0.05	0.11	0.01	bdl	bdl	103.24	kimberlitic
Horn Plateau	095I_2005_2010	0.25 - 0.5	21749-069	nd	0.17	0.07	53.60	0.60	0.42	1.60	2.23	30.00	0.49	12.21	0.11	0.12	0.02	bdl	bdl	101.64	kimberlitic
Horn Plateau	095I_2005_2013	0.25 - 0.5	21749-070	nd	0.39	bdl	52.63	0.35	0.43	2.58	4.78	29.24	0.28	12.09	0.01	0.08	0.04	bdl	bdl	102.88	kimberlitic
Horn Plateau	095I_2005_2013	0.25 - 0.5	21749-071	nd	0.25	0.05	52.59	0.63	0.49	2.02	2.87	30.13	0.31	12.34	bdl	0.10	0.03	bdl	bdl	101.84	kimberlitic

Horn Plateau	095I_2005_2013	0.25 - 0.5	21749-072	nd	0.51	0.04	51.70	0.31	0.62	3.74	5.41	29.47	0.44	12.29	0.00	0.25	0.01	bdl	bdl	104.79	kimberlitic
Horn Plateau	095I_2005_2015	0.25 - 0.5	21749-073	nd	0.51	0.05	50.28	0.28	0.55	1.80	4.46	34.60	0.33	10.76	bdl	0.13	0.02	bdl	bdl	103.76	kimberlitic
Horn Plateau	095I_2005_2015	0.25 - 0.5	21749-074	nd	0.31	0.03	53.90	0.44	0.34	1.48	2.87	32.09	0.29	10.69	bdl	0.14	0.02	bdl	bdl	102.59	kimberlitic
Horn Plateau	095I_2005_2019	0.25 - 0.5	21749-075	nd	0.43	0.01	48.65	0.31	0.46	0.30	4.46	41.52	0.38	7.60	0.10	0.06	0.03	bdl	bdl	104.31	kimberlitic
Horn Plateau	095I_2005_2019	0.25 - 0.5	21749-076	nd	0.01	0.08	51.33	0.49	0.37	8.59	bdl	27.16	0.19	13.79	0.04	0.15	0.02	bdl	bdl	102.24	kimberlitic
Horn Plateau	095I_2005_2019	0.25 - 0.5	21749-077	nd	0.04	bdl	51.87	0.65	0.48	2.01	1.91	31.72	0.30	11.59	0.13	0.06	0.06	bdl	bdl	100.83	kimberlitic
Horn Plateau	095I_2005_2025	0.25 - 0.5	21749-078	nd	0.25	0.00	53.41	0.46	0.53	3.15	2.23	28.75	0.38	12.82	bdl	0.13	bdl	bdl	bdl	102.13	kimberlitic
Horn Plateau	095I_2005_2025	0.25 - 0.5	21749-079	nd	0.17	0.09	54.08	0.49	0.28	0.64	2.23	32.24	0.33	10.46	0.05	0.13	0.06	bdl	bdl	101.25	kimberlitic
Horn Plateau	095I_2005_2029	0.25 - 0.5	21749-080	nd	0.45	0.05	46.92	0.37	0.35	0.48	7.63	44.17	0.26	6.71	0.19	bdl	0.02	bdl	bdl	107.61	kimberlitic
Horn Plateau	095I_2005_2032	0.25 - 0.5	21749-081	nd	0.34	0.05	53.80	0.50	0.46	3.96	3.82	25.43	0.37	13.88	0.00	0.16	0.03	bdl	bdl	102.81	kimberlitic
Horn Plateau	095I_2005_2032	0.25 - 0.5	21749-082	nd	0.11	0.05	54.19	0.57	0.52	2.02	1.28	27.76	0.25	13.70	bdl	0.21	0.03	bdl	bdl	100.68	kimberlitic
Horn Plateau	095I_2005_2034	0.25 - 0.5	21749-083	nd	0.20	0.07	53.69	0.55	0.41	1.27	2.87	28.84	0.31	12.64	0.17	0.18	0.05	bdl	bdl	101.26	kimberlitic
Horn Plateau	095I_2005_2034	0.25 - 0.5	21749-084	nd	0.24	0.00	54.00	0.54	0.45	1.96	2.87	28.26	0.29	12.64	bdl	0.11	0.05	bdl	bdl	101.41	kimberlitic
Horn Plateau	095I_2005_2036	0.25 - 0.5	21749-085	nd	0.25	0.07	46.94	0.29	0.35	0.61	2.23	44.73	0.24	6.52	0.05	0.07	0.02	bdl	bdl	102.39	kimberlitic
Horn Plateau	095I_2005_2037	0.25 - 0.5	21749-086	nd	0.29	0.00	52.54	0.57	0.36	2.07	3.51	30.02	0.28	12.26	0.01	0.18	bdl	bdl	bdl	102.09	kimberlitic
Horn Plateau	095I_2005_2037	0.25 - 0.5	21749-087	nd	0.56	0.01	49.39	0.43	0.52	1.74	6.05	35.24	0.23	10.27	bdl	0.16	bdl	bdl	bdl	104.57	kimberlitic
Horn Plateau	095I_2005_2037	0.25 - 0.5	21749-088	nd	0.13	0.01	52.51	0.05	0.16	0.03	2.23	47.70	0.74	0.32	0.04	0.07	0.05	bdl	bdl	104.05	non-kimberlitic
Horn Plateau	095I_2005_2040	0.25 - 0.5	21749-089	nd	0.24	0.03	53.21	0.36	0.30	5.60	0.96	24.32	0.19	13.98	0.11	0.21	bdl	bdl	bdl	99.49	kimberlitic
Horn Plateau	095I_2005_2054	0.25 - 0.5	21749-090	nd	0.12	0.01	54.06	0.62	0.36	1.68	1.60	28.47	0.45	13.26	0.04	0.11	0.02	bdl	bdl	100.81	kimberlitic
Horn Plateau	095I_2005_2054	0.25 - 0.5	21749-091	nd	0.08	0.19	52.96	0.52	0.34	2.66	1.28	28.67	0.30	12.83	bdl	0.17	0.06	bdl	bdl	100.04	kimberlitic
Horn Plateau	095I_2005_2054	0.25 - 0.5	21749-092	nd	0.65	0.03	48.63	0.44	0.49	2.03	6.68	35.41	0.27	9.88	bdl	0.15	0.04	bdl	bdl	104.70	kimberlitic
Horn Plateau	095I_2005_2057	0.25 - 0.5	21749-093	nd	0.52	0.02	49.91	0.37	0.42	1.72	7.32	34.45	0.32	10.29	0.15	0.16	0.01	bdl	bdl	105.66	kimberlitic
Horn Plateau	095I_2005_2058	0.25 - 0.5	21749-094	nd	0.15	bdl	54.20	0.49	0.32	0.30	2.55	30.80	0.32	12.05	0.12	0.19	0.02	bdl	bdl	101.52	kimberlitic
Horn Plateau	095I_2005_2070	0.25 - 0.5	21749-095	nd	0.12	0.04	53.29	0.56	0.32	1.59	1.28	29.77	0.34	12.70	bdl	0.09	0.03	bdl	bdl	100.13	kimberlitic
Horn Plateau	095I_2005_2075	0.25 - 0.5	21749-096	nd	0.29	0.05	54.39	0.64	0.30	3.67	4.14	23.99	0.28	14.40	0.10	0.23	0.02	bdl	bdl	102.50	kimberlitic
Horn Plateau	095I_2005_2075	0.25 - 0.5	21749-097	nd	0.03	0.08	51.99	0.62	0.43	3.36	bdl	32.10	0.31	12.61	bdl	0.09	bdl	bdl	bdl	101.61	kimberlitic
Horn Plateau	095I_2005_2077	0.25 - 0.5	21749-098	nd	0.01	0.01	46.99	0.35	0.41	0.17	2.87	44.76	0.31	6.43	0.01	0.07	bdl	bdl	bdl	102.40	kimberlitic
Horn Plateau	095I_2005_2079	0.25 - 0.5	21749-099	nd	bdl	0.03	54.31	0.60	0.39	2.00	0.32	27.39	0.24	13.66	0.02	0.09	0.04	bdl	bdl	99.09	kimberlitic
Horn Plateau	095I_2005_2079	0.25 - 0.5	21749-100	nd	0.15	0.04	52.41	0.57	0.36	1.37	1.91	32.68	0.29	11.34	0.10	0.13	0.06	bdl	bdl	101.41	kimberlitic
Horn Plateau	095I_2005_2079	0.25 - 0.5	21749-101	nd	0.44	bdl	43.80	0.26	0.36	0.60	4.78	49.11	0.28	5.44	0.01	0.03	0.03	bdl	bdl	105.13	kimberlitic
Horn Plateau	095I_2005_2079	0.25 - 0.5	21749-102	nd	0.23	bdl	53.80	0.58	0.39	2.16	2.87	26.73	0.27	13.63	0.05	0.21	0.03	bdl	bdl	100.96	kimberlitic
Horn Plateau	095I_2005_2079	0.25 - 0.5	21749-103	nd	0.36	0.03	45.11	0.24	0.37	0.61	3.51	47.47	0.37	6.09	bdl	0.09	bdl	bdl	bdl	104.23	kimberlitic
Horn Plateau	095I_2005_2083	0.25 - 0.5	21749-104	nd	0.29	0.06	54.53	0.47	0.42	1.55	3.19	28.45	0.25	12.46	0.04	0.13	0.04	bdl	bdl	101.88	kimberlitic
Horn Plateau	095I_2005_2084	0.25 - 0.5	21749-105	nd	0.20	bdl	54.61	0.23	0.34	1.34	3.19	30.51	0.40	11.12	bdl	0.05	0.05	bdl	bdl	102.03	kimberlitic
Horn Plateau	095I_2005_2084	0.25 - 0.5	21749-106	nd	0.01	0.01	51.83	0.54	0.38	1.50	0.64	32.75	0.30	11.17	0.10	0.12	0.03	bdl	bdl	99.37	kimberlitic
Horn Plateau	095I_2005_2085	0.25 - 0.5	21749-107	nd	0.13	0.06	51.61	0.60	0.22	1.55	2.87	32.76	0.28	11.44	bdl	0.11	0.02	bdl	bdl	101.64	kimberlitic
Horn Plateau	095I_2005_2087	0.25 - 0.5	21749-108	nd	0.45	0.04	51.81	0.68	0.53	2.42	4.14	30.01	0.23	12.25	bdl	0.14	0.01	bdl	bdl	102.72	kimberlitic
Horn Plateau	095I_2005_2087	0.25 - 0.5	21749-109	nd	0.21	0.02	51.51	0.45	0.41	1.25	2.87	33.72	0.35	11.02	bdl	0.08	bdl	bdl	bdl	101.89	kimberlitic
Horn Plateau	095H_2005_1024	0.25 - 0.5	21749-132	nd	0.05	0.05	52.23	0.10	0.18	bdl	0.64	46.87	0.78	0.27	0.14	bdl	0.00	bdl	bdl	101.31	non-kimberlitic
Horn Plateau	095H_2005_1024	0.25 - 0.5	21749-134	nd	bdl	0.04	51.97	0.07	0.41	bdl	0.64	48.45	0.49	0.43	bdl	bdl	bdl	bdl	bdl	102.49	non-kimberlitic
Horn Plateau	095H_2005_2012	0.25 - 0.5	21749-147	nd	0.01	0.04	50.35	0.05	0.62	bdl	0.64	49.27	0.50	0.17	0.08	bdl	0.01	bdl	bdl	101.75	non-kimberlitic
Horn Plateau	095H_2005_2012	0.25 - 0.5	21749-148	nd	bdl	0.03	52.73	0.01	0.47	0.03	1.28	47.34	0.64	0.18	bdl	0.01	0.04	bdl	bdl	102.75	non-kimberlitic
Horn Plateau	095H_2005_2012	0.25 - 0.5	21749-149	nd	bdl	0.01	52.92	0.08	0.22	0.09	0.64	46.44	0.82	1.44	bdl	0.04	0.05	bdl	bdl	102.73	non-kimberlitic
Horn Plateau	095H_2005_2013	0.25 - 0.5	21749-153	nd	0.29	0.01	46.77	0.35	0.41	10.15	2.23	29.66	0.32	11.19	bdl	0.20	bdl	bdl	bdl	101.57	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-161	nd	bdl	bdl	51.75	0.07	0.39	0.00	0.64	48.89	0.64	0.22	0.01	0.04	0.01	bdl	bdl	102.65	non-kimberlitic

Horn Plateau	095I_2005_2058	0.25 - 0.5	21749-173	nd	bdl	bdl	52.67	0.01	0.36	bdl	1.28	47.77	0.61	0.38	0.05	0.05	0.02	bdl	bdl	103.20	non-kimberlitic
Horn Plateau	095I_2005_2087	0.25 - 0.5	21749-183	nd	0.21	0.02	52.09	0.04	0.19	bdl	4.46	47.69	0.66	0.39	0.04	0.02	0.04	bdl	bdl	105.85	non-kimberlitic
Horn Plateau	DDH2006-11-3-50	0.25 - 0.5	DDH-11-3-50-1	nd	0.05	0.03	52.84	0.54	nd	1.44	bdl	32.81	0.11	12.27	bdl	0.31	nd	nd	nd	100.40	kimberlitic
Horn Plateau	DDH2006-11-3-50	0.25 - 0.5	DDH-11-3-50-2	nd	0.05	bdl	51.04	0.58	nd	3.04	1.28	29.63	0.15	12.64	0.05	0.10	nd	nd	nd	98.55	kimberlitic
Horn Plateau	DDH2006-15-4-61	0.25 - 0.5	DDH-15-4-61-1	nd	0.09	0.03	48.39	0.35	nd	1.72	0.96	37.72	0.21	9.74	bdl	0.04	nd	nd	nd	99.25	kimberlitic
Horn Plateau	DDH2006-15-9-68	0.25 - 0.5	DDH-15-9-68-1	nd	0.21	0.02	47.08	0.36	nd	0.16	3.19	44.23	0.11	7.17	bdl	bdl	nd	nd	nd	102.53	kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-015	bdl	nd	0.04	48.75	0.02	0.31	0.01	bdl	47.38	0.84	0.11	nd	bdl	bdl	bdl	bdl	97.46	non-kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-016	bdl	nd	0.03	48.95	bdl	bdl	bdl	0.96	50.03	0.63	0.10	nd	0.01	0.00	bdl	0.00	100.70	non-kimberlitic
Trout Lake	TL-08-058	0.25-0.5	20165-020	0.01	nd	0.01	48.57	0.02	0.10	0.03	0.32	48.99	0.84	0.93	nd	bdl	bdl	bdl	0.00	99.82	non-kimberlitic
Trout Lake	TL-08-037	0.25-0.5	20165-021	bdl	nd	bdl	48.38	0.03	0.34	0.02	bdl	47.50	0.43	0.22	nd	0.00	0.00	bdl	bdl	96.92	non-kimberlitic
Trout Lake	TL-08-037	0.25-0.5	20165-022	bdl	nd	0.03	48.40	0.03	0.30	0.00	bdl	47.60	0.44	0.25	nd	bdl	0.00	bdl	0.01	97.04	non-kimberlitic
Trout Lake	TL-08-066	0.25-0.5	20165-024	0.01	nd	0.03	49.03	bdl	bdl	0.00	1.60	49.29	1.06	0.08	nd	bdl	0.00	bdl	0.00	101.10	non-kimberlitic
Trout Lake	TL-08-064	0.25-0.5	20165-026	nd	0.24	bdl	43.11	0.21	0.18	0.60	3.19	48.29	0.25	5.85	bdl	bdl	bdl	nd	nd	101.92	kimberlitic
Trout Lake	TL-08-064	0.25-0.5	20165-027	0.01	nd	0.01	49.27	0.00	bdl	0.03	1.28	49.01	0.46	0.41	nd	0.00	0.00	bdl	bdl	100.49	non-kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-028	nd	0.19	bdl	43.70	0.34	0.24	0.77	2.55	46.78	0.23	6.22	bdl	bdl	bdl	nd	nd	101.03	kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-029	nd	0.60	bdl	44.39	0.16	0.40	1.39	7.95	42.26	0.27	7.51	bdl	0.06	bdl	nd	nd	104.99	kimberlitic
Trout Lake	TL-08-015	0.25-0.5	20165-030	0.00	nd	0.04	49.81	0.03	0.02	bdl	0.64	48.55	0.51	0.41	nd	0.01	0.01	bdl	0.00	100.03	non-kimberlitic
Trout Lake	TL-08-175	0.25-0.5	20165-031	0.01	nd	0.01	48.97	bdl	bdl	0.04	1.91	48.57	1.63	0.06	nd	bdl	0.00	bdl	0.00	101.21	non-kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-032	0.01	nd	0.00	49.43	0.07	0.02	0.04	1.28	48.44	0.32	0.82	nd	bdl	0.00	bdl	bdl	100.43	non-kimberlitic
Trout Lake	TL-08-104	0.25-0.5	20165-034	0.13	nd	0.22	57.27	0.15	bdl	0.02	0.64	34.67	0.37	0.15	nd	0.00	0.10	bdl	0.00	93.72	non-kimberlitic
Trout Lake	TL-08-063	0.25-0.5	20165-035	0.01	nd	0.02	48.83	0.04	bdl	0.00	1.91	49.76	0.46	0.29	nd	0.02	0.01	bdl	bdl	101.36	non-kimberlitic
Trout Lake	TL-08-063	0.25-0.5	20165-036	bdl	nd	0.01	50.50	0.01	bdl	bdl	0.96	48.06	0.10	0.44	nd	bdl	bdl	bdl	0.00	100.09	non-kimberlitic
Trout Lake	TL-08-124	0.25-0.5	20165-037	bdl	nd	0.01	48.43	0.03	0.06	0.00	1.60	49.96	0.68	0.16	nd	bdl	0.01	bdl	0.00	100.94	non-kimberlitic
Trout Lake	TL-08-137	0.25-0.5	20165-038	0.03	nd	0.07	58.50	0.12	0.05	0.03	bdl	29.15	1.81	0.28	nd	0.01	0.02	bdl	0.01	90.08	non-kimberlitic
Trout Lake	TL-08-193	0.25-0.5	20165-040	0.00	nd	0.00	49.11	0.02	0.05	bdl	bdl	47.37	0.64	0.22	nd	bdl	0.01	bdl	bdl	97.43	non-kimberlitic
Trout Lake	TL-08-034	0.25-0.5	20165-041	0.00	nd	0.00	49.17	0.04	0.16	bdl	1.60	48.96	0.47	0.46	nd	0.03	0.00	bdl	bdl	100.89	non-kimberlitic
Trout Lake	TL-08-034	0.25-0.5	20165-042	0.00	nd	0.00	48.66	0.03	bdl	0.01	0.64	50.03	0.71	0.30	nd	0.01	bdl	bdl	0.00	100.40	non-kimberlitic
Trout Lake	TL-08-061	0.25-0.5	20165-043	bdl	nd	0.01	48.21	0.03	0.49	bdl	1.28	49.78	0.50	0.30	nd	bdl	0.01	bdl	bdl	100.61	non-kimberlitic
Trout Lake	TL-08-173	0.25-0.5	20165-044	bdl	nd	bdl	48.49	0.03	0.27	0.04	0.32	50.14	0.49	0.22	nd	bdl	0.00	bdl	0.00	100.00	non-kimberlitic
Trout Lake	TL-08-003	0.25-0.5	20165-045	bdl	nd	0.03	49.17	bdl	bdl	bdl	0.96	48.49	1.52	bdl	nd	bdl	0.00	bdl	0.01	100.17	non-kimberlitic
Trout Lake	TL-08-003	0.25-0.5	20165-046	0.00	nd	bdl	49.42	0.03	bdl	0.03	0.32	49.42	0.49	0.20	nd	0.01	bdl	bdl	0.00	99.92	non-kimberlitic
Trout Lake	TL-08-131	0.25-0.5	20165-047	0.05	nd	0.12	56.31	0.12	bdl	0.05	0.96	32.84	1.61	0.09	nd	0.00	0.01	0.01	0.00	92.17	non-kimberlitic
Trout Lake	TL-08-131	0.25-0.5	20165-048	0.05	nd	0.22	57.40	0.31	0.20	0.09	bdl	29.28	0.84	0.22	nd	0.01	0.04	0.00	0.00	88.66	non-kimberlitic
Trout Lake	TL-08-011	0.25-0.5	20165-049	0.02	nd	0.00	49.20	0.02	0.02	0.01	0.64	49.32	0.49	0.40	nd	0.01	0.00	bdl	bdl	100.12	non-kimberlitic
Trout Lake	TL-08-011	0.25-0.5	20165-050	bdl	nd	0.01	48.65	0.08	bdl	0.01	0.96	49.45	0.48	0.56	nd	0.02	bdl	bdl	bdl	100.22	non-kimberlitic
Trout Lake	TL-08-011	0.25-0.5	20165-051	bdl	nd	0.00	47.66	0.07	0.09	0.04	bdl	47.38	0.40	0.98	nd	0.02	0.01	bdl	0.00	96.65	non-kimberlitic
Trout Lake	TL-08-011	0.25-0.5	20165-052	0.01	nd	0.02	48.13	0.02	0.06	0.03	0.64	50.47	0.55	0.25	nd	bdl	0.00	bdl	0.00	100.19	non-kimberlitic
Trout Lake	TL-08-011	0.25-0.5	20165-053	bdl	nd	0.02	48.29	0.01	0.22	0.00	1.28	50.16	0.58	0.27	nd	bdl	bdl	bdl	0.01	100.84	non-kimberlitic
Trout Lake	TL-08-168	0.25-0.5	20165-054	bdl	nd	0.02	48.29	0.04	0.12	0.02	1.28	49.35	0.41	0.90	nd	0.00	bdl	bdl	0.00	100.43	non-kimberlitic
Trout Lake	TL-08-168	0.25-0.5	20165-055	0.00	nd	0.01	47.82	0.01	0.10	bdl	2.23	51.19	0.42	0.14	nd	0.01	0.01	bdl	0.00	101.94	non-kimberlitic
Trout Lake	TL-08-168	0.25-0.5	20165-056	0.00	nd	bdl	49.98	0.01	bdl	0.02	2.23	47.17	1.21	0.70	nd	0.01	0.00	bdl	bdl	101.35	non-kimberlitic
Trout Lake	TL-08-168	0.25-0.5	20165-057	0.01	nd	0.02	49.01	0.04	bdl	bdl	0.64	49.84	0.44	0.30	nd	bdl	0.00	bdl	0.00	100.30	non-kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-058	0.01	nd	0.01	48.57	0.06	0.13	0.00	0.64	49.46	0.39	0.74	nd	0.01	0.00	bdl	0.00	100.03	non-kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-059	bdl	nd	0.01	48.45	0.05	0.26	0.01	1.60	49.87	0.44	0.39	nd	0.00	bdl	bdl	bdl	101.07	non-kimberlitic

Trout Lake	TL-08-204	0.25-0.5	20165-060	0.00	nd	0.00	48.56	0.02	bdl	0.01	bdl	47.28	1.10	0.29	nd	0.00	0.02	bdl	0.00	97.28	non-kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-061	bdl	nd	0.02	48.87	0.03	0.13	bdl	bdl	46.86	0.41	0.62	nd	bdl	0.00	bdl	bdl	96.95	non-kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-062	bdl	bdl	bdl	46.96	0.71	0.25	4.07	bdl	36.46	0.25	8.82	bdl	0.13	bdl	bdl	bdl	97.65	kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-063	0.00	nd	0.02	50.01	bdl	bdl	0.04	0.64	44.82	4.43	0.09	nd	0.01	0.00	bdl	0.00	100.04	non-kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-064	bdl	nd	0.01	49.64	0.03	bdl	bdl	0.64	48.31	0.84	0.53	nd	0.01	bdl	bdl	bdl	100.01	non-kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-065	bdl	nd	0.02	49.63	0.03	bdl	0.02	bdl	46.73	0.48	0.10	nd	0.01	0.01	bdl	bdl	97.03	non-kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20165-066	bdl	nd	0.03	49.17	0.05	bdl	bdl	bdl	46.28	0.63	1.22	nd	0.01	bdl	bdl	0.00	97.39	non-kimberlitic
Trout Lake	TL-08-205	0.5-1.0	20165-067	0.10	nd	0.15	54.24	0.13	bdl	bdl	0.32	39.12	1.12	0.09	nd	bdl	0.04	bdl	0.00	95.32	non-kimberlitic

Table B.6 Spinel EPMA results

Locality	SampleID	Size(mm)	Grain No.	SiO2	TiO2	Al2O3	V2O3	Cr2O3	Fe2O3	FeO	MnO	NiO	MgO	ZnO	CaO	Na2O	K2O	Total	mg#	Affinity
Horn Plateau	095I_2003_1012	0.5 - 1.0	17960-14	0.02	0.23	39.38	0.15	28.31	1.05	13.67	0.16	0.22	15.63	0.18	0.06	bdl	bdl	99.08	0.31	kimberlitic
Horn Plateau	095I_2003_1018	0.5 - 1.0	17960-23	0.07	0.36	16.24	0.21	55.24	1.28	13.69	0.26	0.15	13.92	0.09	0.04	bdl	bdl	101.57	0.67	non-kimberlitic
Horn Plateau	095I_2003_1071	0.5 - 1.0	17960-30	0.04	0.77	34.34	0.14	30.77	2.30	16.79	0.23	0.22	13.40	0.17	0.04	bdl	bdl	99.23	0.64	non-kimberlitic
Horn Plateau	095I_2003_1084	0.5 - 1.0	17960-35	0.12	1.29	4.65	0.21	63.34	2.98	16.29	0.33	0.16	11.48	0.02	bdl	bdl	bdl	100.90	0.59	non-kimberlitic
Horn Plateau	095I_2003_1008	0.5 - 1.0	17960-9	0.14	0.22	8.11	bdl	57.18	4.24	24.07	0.32	0.10	6.05	0.09	0.02	bdl	bdl	100.58	0.56	non-kimberlitic
Horn Plateau	095I_2003_2045	0.5 - 1.0	17962-32	0.09	0.26	7.44	0.27	59.59	4.61	17.37	0.28	0.10	10.31	0.12	0.05	bdl	bdl	100.50	0.60	non-kimberlitic
Horn Plateau	095I_2003_2057	0.5 - 1.0	17962-47	0.08	1.01	5.75	0.34	39.24	23.75	22.77	0.45	0.30	6.67	0.04	bdl	bdl	bdl	100.43	0.55	non-kimberlitic
Horn Plateau	095I_2003_2004	0.5 - 1.0	17962-5	0.08	0.69	14.30	0.33	56.34	1.20	15.34	0.24	0.10	12.96	0.07	bdl	bdl	bdl	101.68	0.39	kimberlitic
Horn Plateau	095I_2003_2004	0.5 - 1.0	17962-6	0.06	0.58	29.99	0.23	33.58	4.65	18.05	0.29	0.07	12.30	0.05	bdl	bdl	bdl	99.89	0.51	non-kimberlitic
Horn Plateau	095I_2003_2082	0.5 - 1.0	17962-62	0.04	3.98	4.20	0.32	52.54	9.11	20.26	0.34	0.14	10.35	0.13	bdl	bdl	bdl	101.44	0.34	kimberlitic
Horn Plateau	095I_2003_2007	0.5 - 1.0	17962-9	0.06	1.11	16.37	0.32	45.71	6.02	23.12	0.14	0.19	8.15	0.18	bdl	bdl	bdl	101.39	0.48	kimberlitic
Horn Plateau	095J_2003_1004	0.5 - 1.0	17963-19	0.11	0.94	6.81	0.37	39.09	22.59	22.84	0.46	0.26	6.66	0.15	bdl	bdl	bdl	100.30	0.34	kimberlitic
Horn Plateau	095J_2003_1007	0.5 - 1.0	17963-26	0.11	4.40	11.06	0.17	41.94	10.91	19.43	0.25	0.07	11.80	bdl	bdl	bdl	bdl	100.18	0.52	non-kimberlitic
Horn Plateau	095J_2003_2002	0.5 - 1.0	17963-44	bdl	0.23	34.22	0.18	36.66	1.02	10.78	0.06	0.19	17.55	0.11	bdl	bdl	bdl	101.03	0.74	non-kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-57	0.18	0.14	27.38	0.12	40.07	3.20	19.38	0.24	0.07	11.57	0.11	bdl	bdl	bdl	102.49	0.52	non-kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-58	0.07	0.27	13.97	0.20	48.37	6.13	22.18	0.43	0.10	7.42	0.29	0.02	bdl	bdl	99.46	0.37	kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-59	bdl	0.52	16.03	0.12	48.25	5.38	20.32	0.38	0.13	9.31	0.10	bdl	bdl	bdl	100.58	0.45	kimberlitic
Horn Plateau	095J_2003_2003	0.5 - 1.0	17963-60	0.13	0.02	7.78	0.41	63.98	1.18	15.64	0.25	0.08	11.60	0.17	bdl	bdl	bdl	101.27	0.57	non-kimberlitic
Horn Plateau	095I_2003_1042	0.25 - 0.5	17964-119	0.08	0.17	6.84	0.30	62.31	3.83	16.49	0.34	bdl	11.04	0.14	bdl	bdl	bdl	101.58	0.69	non-kimberlitic
Horn Plateau	095I_2003_1048	0.25 - 0.5	17964-120	bdl	0.19	34.40	0.24	36.52	bdl	15.40	0.14	0.07	14.68	0.15	0.02	bdl	bdl	101.85	0.61	non-kimberlitic
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-141	0.17	0.19	12.08	bdl	57.59	2.25	16.11	0.31	bdl	11.79	0.05	bdl	bdl	bdl	100.60	0.03	kimberlitic
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-143	0.04	0.23	13.39	bdl	48.50	9.10	22.93	0.11	0.21	7.60	0.20	bdl	bdl	bdl	102.34	0.72	non-kimberlitic
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-144	bdl	0.50	17.88	0.37	44.74	6.00	24.87	0.41	0.06	6.77	0.13	bdl	bdl	bdl	101.77	0.05	kimberlitic
Horn Plateau	095I_2003_1053	0.25 - 0.5	17964-145	bdl	0.32	20.46	0.23	43.57	4.13	21.88	0.52	bdl	8.39	0.21	bdl	bdl	bdl	99.75	0.69	non-kimberlitic
Horn Plateau	095I_2003_1005	0.25 - 0.5	17964-36	0.16	1.09	16.47	0.15	46.24	7.52	15.21	0.22	0.27	13.21	0.02	bdl	bdl	bdl	100.59	0.46	kimberlitic
Horn Plateau	095I_2003_1005	0.25 - 0.5	17964-37	bdl	0.24	22.84	0.39	35.30	5.41	31.46	0.99	0.05	0.45	2.84	0.03	bdl	bdl	100.02	0.63	non-kimberlitic
Horn Plateau	095I_2003_1014	0.25 - 0.5	17964-58	0.11	0.36	32.39	0.11	34.13	3.63	11.68	0.14	0.16	16.55	0.06	0.02	bdl	bdl	99.35	0.07	kimberlitic
Horn Plateau	095I_2003_1014	0.25 - 0.5	17964-59	0.09	0.19	16.58	0.26	43.94	3.91	26.70	0.91	bdl	0.80	6.61	bdl	bdl	bdl	100.03	0.54	non-kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-77	0.05	0.19	43.34	0.11	24.31	1.62	13.41	0.09	0.22	16.48	0.16	0.03	bdl	bdl	100.03	0.63	non-kimberlitic
Horn Plateau	095I_2003_1018	0.25 - 0.5	17964-81	0.02	0.95	6.83	0.17	56.83	5.33	19.08	0.34	0.18	9.11	0.07	bdl	bdl	bdl	98.93	0.57	non-kimberlitic
Horn Plateau	095J_2003_2016	0.5 - 1.0	17964-9	0.25	0.82	33.41	0.10	30.49	5.22	13.06	0.20	0.31	16.17	0.03	bdl	bdl	bdl	100.09	0.37	kimberlitic
Horn Plateau	095I_2003_1025	0.25 - 0.5	17964-90	0.07	0.20	11.79	0.12	59.47	1.55	13.68	0.24	0.12	13.23	0.06	0.02	bdl	bdl	100.58	0.33	kimberlitic
Horn Plateau	095I_2003_1025	0.25 - 0.5	17964-91	bdl	0.03	37.20	0.87	20.78	3.23	30.36	1.06	bdl	1.35	4.67	bdl	bdl	bdl	99.59	0.41	kimberlitic
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-101	0.08	0.19	17.93	0.31	43.32	4.56	28.80	0.58	0.06	3.35	0.46	0.02	bdl	bdl	99.68	0.33	kimberlitic
Horn Plateau	095I_2003_2007	0.25 - 0.5	17965-102	0.06	3.10	1.51	0.51	58.09	6.95	18.71	0.38	0.19	10.18	0.17	0.03	bdl	bdl	99.90	0.51	non-kimberlitic
Horn Plateau	095I_2003_2014	0.25 - 0.5	17965-138	0.04	0.46	15.82	0.17	41.08	10.49	24.64	0.39	0.17	6.06	0.33	bdl	bdl	bdl	99.68	0.44	kimberlitic
Horn Plateau	095I_2003_1086	0.25 - 0.5	17965-34	bdl	0.41	17.22	0.16	45.16	5.93	24.25	0.42	0.10	6.59	0.48	0.02	bdl	bdl	100.76	0.55	non-kimberlitic
Horn Plateau	095I_2003_1100	0.25 - 0.5	17965-59	0.11	0.08	17.20	0.30	52.41	1.04	18.32	0.29	0.03	10.69	0.21	0.02	bdl	bdl	100.73	0.25	kimberlitic
Horn Plateau	095I_2003_1102	0.25 - 0.5	17965-60	0.13	1.77	1.38	0.25	60.72	7.01	20.06	0.42	0.13	8.81	0.12	0.02	bdl	bdl	100.84	0.48	kimberlitic
Horn Plateau	095I_2003_1107	0.25 - 0.5	17965-77	0.12	2.94	9.78	0.18	47.77	9.66	17.44	0.29	0.20	12.07	bdl	0.03	bdl	bdl	100.51	0.17	kimberlitic
Horn Plateau	095I_2003_2004	0.25 - 0.5	17965-78	0.06	0.44	14.81	0.12	47.78	3.95	26.09	0.45	0.08	4.81	0.67	bdl	bdl	bdl	99.29	0.49	kimberlitic
Horn Plateau	095I_2003_2006	0.25 - 0.5	17965-87	0.08	0.11	20.38	0.10	49.65	0.08	19.67	0.35	0.06	10.15	0.10	0.03	bdl	bdl	100.78	0.30	kimberlitic

Horn Plateau	095I_2003_2067	0.25 - 0.5	17966-103	0.14	1.83	4.12	0.23	62.33	4.86	16.49	0.43	0.22	11.82	0.07	0.02	bdl	bdl	102.58	0.57	non-kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-142	0.05	0.04	12.67	0.29	56.54	0.64	24.36	0.42	bdl	6.23	0.37	0.04	bdl	bdl	101.68	0.57	non-kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-148	0.05	1.96	16.10	0.31	39.10	9.22	26.49	0.38	bdl	6.03	0.15	bdl	bdl	bdl	99.83	0.65	non-kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-149	bdl	0.08	19.43	0.09	51.72	bdl	17.98	0.32	0.05	10.95	0.06	0.03	bdl	bdl	100.75	0.33	kimberlitic
Horn Plateau	095I_2003_2076	0.25 - 0.5	17966-151	0.05	0.25	17.44	0.15	48.35	2.87	24.12	0.25	0.10	6.80	0.55	bdl	bdl	bdl	100.96	0.14	kimberlitic
Horn Plateau	095I_2003_2082	0.25 - 0.5	17966-160	0.09	0.63	6.51	0.10	61.22	4.49	16.11	0.31	0.10	11.45	bdl	bdl	bdl	bdl	101.05	0.02	kimberlitic
Horn Plateau	095I_2003_2092	0.25 - 0.5	17966-176	0.06	0.56	22.23	0.24	45.02	4.72	13.58	0.23	0.22	14.68	0.16	bdl	bdl	bdl	101.73	0.15	kimberlitic
Horn Plateau	095I_2003_2029	0.25 - 0.5	17966-21	0.04	1.58	1.61	bdl	65.57	4.52	15.84	0.37	0.13	11.57	0.13	0.02	bdl	bdl	101.40	0.56	non-kimberlitic
Horn Plateau	095I_2003_2029	0.25 - 0.5	17966-22	0.19	0.31	14.41	0.05	55.19	2.99	13.51	0.25	0.14	13.82	0.08	bdl	bdl	bdl	100.97	0.31	kimberlitic
Horn Plateau	095I_2003_2018	0.25 - 0.5	17966-4	0.06	0.29	21.24	0.18	45.90	4.30	16.61	0.30	0.21	12.42	0.09	bdl	bdl	bdl	101.63	0.29	kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-73	bdl	0.27	13.47	0.21	50.28	5.68	23.96	0.46	bdl	6.57	0.33	bdl	bdl	bdl	101.28	0.52	non-kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-74	bdl	0.24	14.57	0.05	41.03	11.16	29.18	0.54	0.17	2.74	0.41	bdl	bdl	bdl	100.14	0.33	kimberlitic
Horn Plateau	095I_2003_2045	0.25 - 0.5	17966-76	0.03	2.02	15.17	0.31	41.09	5.40	31.70	2.38	bdl	0.44	1.66	0.03	bdl	bdl	100.25	0.56	non-kimberlitic
Horn Plateau	095I_2003_2053	0.25 - 0.5	17966-89	0.09	3.67	12.97	0.29	35.65	11.63	31.54	0.39	0.27	3.23	0.18	0.05	bdl	bdl	99.98	0.66	non-kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-119	0.08	0.12	40.16	0.22	29.90	0.35	11.84	0.26	0.24	17.18	0.15	bdl	bdl	bdl	100.53	0.29	kimberlitic
Horn Plateau	095J_2003_1019	0.25 - 0.5	17967-121	0.08	0.41	17.50	0.26	43.03	5.35	27.90	0.79	0.19	3.68	0.78	bdl	bdl	bdl	100.01	0.53	non-kimberlitic
Horn Plateau	095J_2003_1020	0.25 - 0.5	17967-124	0.04	0.82	15.38	0.19	44.54	7.94	24.50	0.46	0.09	6.67	0.21	bdl	bdl	bdl	100.87	0.04	kimberlitic
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-148	0.06	0.28	21.68	0.16	46.07	2.03	16.34	0.21	0.14	12.26	0.12	0.03	bdl	bdl	99.40	0.72	non-kimberlitic
Horn Plateau	095J_2003_1025	0.25 - 0.5	17967-150	0.09	4.14	8.93	0.04	44.97	10.42	20.21	0.26	0.09	10.82	0.05	0.02	bdl	bdl	100.06	0.19	kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-165	0.04	0.26	17.18	0.12	42.16	5.00	30.48	1.30	bdl	0.99	1.50	bdl	bdl	bdl	99.07	0.33	kimberlitic
Horn Plateau	095J_2003_2002	0.25 - 0.5	17967-166	0.17	0.84	29.89	0.20	35.74	4.98	12.16	0.14	0.17	16.63	0.11	bdl	bdl	bdl	101.06	0.57	non-kimberlitic
Horn Plateau	095I_2003_2109	0.25 - 0.5	17967-18	0.06	0.58	16.25	0.09	45.79	6.44	25.42	0.49	0.19	5.96	0.52	0.03	bdl	bdl	101.84	0.49	kimberlitic
Horn Plateau	095J_2003_1003	0.25 - 0.5	17967-57	0.05	1.90	10.36	0.22	48.05	10.60	17.80	0.26	0.25	11.24	0.09	bdl	bdl	bdl	100.85	0.05	kimberlitic
Horn Plateau	095J_2003_1008	0.25 - 0.5	17967-65	0.10	0.19	14.13	0.14	45.65	5.41	32.33	0.80	0.11	0.71	0.12	bdl	bdl	bdl	99.72	0.71	non-kimberlitic
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-42	bdl	0.79	16.44	0.21	45.19	5.83	25.27	0.43	0.19	6.22	0.13	bdl	bdl	bdl	100.73	0.31	kimberlitic
Horn Plateau	095J_2003_2013	0.25 - 0.5	17968-43	0.04	0.30	19.40	0.23	50.10	1.28	16.61	0.23	0.12	12.12	0.09	0.02	bdl	bdl	100.56	0.57	non-kimberlitic
Horn Plateau	085F_2005_1002	0.5 - 1.0	21737-100	0.02	0.41	13.44	0.28	43.34	9.71	33.40	0.78	0.03	0.35	0.46	bdl	bdl	bdl	102.25	0.41	kimberlitic
Horn Plateau	085L_2005_1016	0.5 - 1.0	21737-101	0.08	0.20	13.22	0.18	50.13	3.91	27.16	0.62	0.07	3.95	0.56	bdl	bdl	bdl	100.11	0.49	kimberlitic
Horn Plateau	085L_2005_1017	0.5 - 1.0	21737-102	0.02	0.32	35.68	0.12	29.65	2.71	18.24	0.29	0.10	12.44	0.25	0.02	bdl	bdl	99.86	0.36	kimberlitic
Horn Plateau	085L_2005_1027	0.5 - 1.0	21737-103	0.11	4.66	3.21	0.37	46.58	14.30	22.67	0.45	0.28	9.02	0.07	bdl	bdl	bdl	101.75	0.02	kimberlitic
Horn Plateau	085L_2005_1035	0.5 - 1.0	21737-104	0.02	bdl	30.52	0.09	37.32	3.85	16.87	0.25	0.09	13.20	0.25	0.02	bdl	bdl	102.51	0.21	kimberlitic
Horn Plateau	085L_2005_1047	0.5 - 1.0	21737-105	0.04	0.39	15.40	0.14	48.25	7.17	21.51	0.50	bdl	8.73	0.19	bdl	bdl	bdl	102.36	0.55	non-kimberlitic
Horn Plateau	085L_2005_1082	0.5 - 1.0	21737-106	0.08	0.04	16.33	0.33	55.26	0.25	16.18	0.35	0.06	11.99	0.22	bdl	bdl	bdl	101.13	0.42	kimberlitic
Horn Plateau	085L_2005_1084	0.5 - 1.0	21737-107	0.18	0.66	16.13	0.19	50.43	5.53	12.64	0.11	0.24	14.79	0.03	0.02	bdl	bdl	100.97	0.58	non-kimberlitic
Horn Plateau	085L_2005_1092	0.5 - 1.0	21737-108	0.08	1.00	20.50	0.23	37.81	7.14	30.74	0.43	0.15	3.16	0.72	0.03	bdl	bdl	102.02	0.42	kimberlitic
Horn Plateau	085L_2005_1093	0.5 - 1.0	21737-109	0.11	1.82	10.67	0.24	47.92	10.12	19.97	0.36	0.11	10.01	0.09	bdl	bdl	bdl	101.44	0.57	non-kimberlitic
Horn Plateau	085L_2005_1016	1.0 - 2.0	21737-4	0.19	0.34	15.66	0.08	49.63	3.74	21.32	1.09	0.05	8.14	0.31	0.02	bdl	bdl	100.60	0.68	non-kimberlitic
Horn Plateau	085L_2005_1023	0.5 - 1.0	21737-49	0.15	3.93	5.89	0.30	51.12	9.75	20.08	0.41	0.21	10.90	0.14	0.02	bdl	bdl	102.92	0.16	kimberlitic
Horn Plateau	085E_2005_2122	0.5 - 1.0	21737-99	0.05	1.87	2.63	0.34	59.57	5.14	22.44	0.40	0.20	7.17	0.17	bdl	bdl	bdl	100.02	0.47	kimberlitic
Horn Plateau	085E_2005_2190	0.25 - 0.5	21738-100	0.02	0.04	31.34	0.20	30.35	4.27	30.82	0.54	bdl	3.94	0.19	bdl	bdl	bdl	101.75	0.53	non-kimberlitic
Horn Plateau	085F_2005_1003	0.25 - 0.5	21738-101	0.06	0.41	14.24	0.12	53.76	4.44	15.17	0.24	0.16	12.70	0.14	0.04	bdl	bdl	101.50	0.30	kimberlitic
Horn Plateau	085L_2005_1004	0.25 - 0.5	21738-102	0.02	0.26	24.62	0.18	37.59	7.11	20.78	0.27	0.15	9.68	0.53	bdl	bdl	bdl	101.22	0.83	non-kimberlitic
Horn Plateau	085L_2005_1004	0.25 - 0.5	21738-103	0.10	0.33	16.27	0.14	51.18	5.70	13.63	0.24	0.16	13.96	0.22	bdl	bdl	bdl	101.96	0.83	non-kimberlitic
Horn Plateau	085L_2005_1005	0.25 - 0.5	21738-104	0.14	0.70	17.90	0.23	46.89	6.87	17.34	0.27	0.23	12.11	0.07	0.07	bdl	bdl	102.84	0.56	non-kimberlitic
Horn Plateau	085L_2005_1007	0.25 - 0.5	21738-105	0.06	1.54	15.47	0.30	41.28	10.41	24.77	0.43	0.13	7.15	0.07	bdl	bdl	bdl	101.64	0.58	non-kimberlitic

Horn Plateau	085L_2005_1007	0.25 - 0.5	21738-106	0.06	0.44	14.64	0.23	46.39	5.68	31.93	1.13	0.06	1.28	0.46	0.02	bdl	bdl	102.34	0.19	kimberlitic
Horn Plateau	085L_2005_1011	0.25 - 0.5	21738-107	0.02	2.53	1.87	0.17	40.40	25.30	21.47	0.41	0.38	7.87	0.18	0.03	bdl	bdl	100.65	0.60	non-kimberlitic
Horn Plateau	085L_2005_1011	0.25 - 0.5	21738-108	0.07	0.49	10.50	0.14	51.05	6.20	24.42	2.28	0.05	3.70	2.34	bdl	bdl	bdl	101.27	0.45	kimberlitic
Horn Plateau	085L_2005_1011	0.25 - 0.5	21738-109	0.07	0.56	28.33	0.12	37.88	4.44	14.27	0.19	0.22	14.79	0.05	bdl	bdl	bdl	100.95	0.65	non-kimberlitic
Horn Plateau	085L_2005_1016	0.25 - 0.5	21738-111	0.09	0.26	15.14	0.16	47.49	3.49	29.33	2.52	0.13	0.55	2.73	0.04	bdl	bdl	101.95	0.55	non-kimberlitic
Horn Plateau	085L_2005_1016	0.25 - 0.5	21738-112	bdl	0.32	11.47	0.23	49.99	8.42	22.49	0.65	0.13	7.15	0.16	0.04	bdl	bdl	101.08	0.34	kimberlitic
Horn Plateau	085L_2005_1016	0.25 - 0.5	21738-113	0.18	0.53	8.07	0.21	47.03	17.29	19.58	0.44	0.32	9.43	0.04	bdl	bdl	bdl	103.15	0.07	kimberlitic
Horn Plateau	085L_2005_1016	0.25 - 0.5	21738-114	bdl	1.28	10.65	0.22	44.43	12.55	26.42	0.56	0.25	5.16	0.16	bdl	bdl	bdl	101.72	0.39	kimberlitic
Horn Plateau	085L_2005_1016	0.25 - 0.5	21738-115	0.06	0.21	15.49	0.22	44.63	5.67	31.64	1.32	0.17	0.57	1.16	bdl	bdl	bdl	101.17	0.21	kimberlitic
Horn Plateau	085L_2005_1017	0.25 - 0.5	21738-116	0.06	0.28	13.81	0.19	47.75	10.52	19.47	0.79	0.27	9.49	0.37	bdl	bdl	bdl	103.02	0.65	non-kimberlitic
Horn Plateau	085L_2005_1018	0.25 - 0.5	21738-119	0.06	0.05	1.73	0.19	68.62	0.54	23.00	0.46	0.02	5.67	0.67	0.03	bdl	bdl	101.06	0.03	kimberlitic
Horn Plateau	085L_2005_1018	0.25 - 0.5	21738-120	0.14	2.27	24.13	0.06	38.94	4.34	15.66	0.34	0.22	14.35	bdl	bdl	bdl	bdl	100.50	0.36	kimberlitic
Horn Plateau	085L_2005_1018	0.25 - 0.5	21738-121	0.08	4.22	4.17	0.36	49.97	12.06	21.43	0.46	0.26	9.87	0.16	0.05	bdl	bdl	103.11	0.46	kimberlitic
Horn Plateau	085L_2005_1018	0.25 - 0.5	21738-122	bdl	0.16	7.03	0.24	52.30	7.57	29.87	0.76	0.08	1.24	0.64	bdl	bdl	bdl	99.93	0.26	kimberlitic
Horn Plateau	085L_2005_1018	0.25 - 0.5	21738-123	0.06	0.80	20.30	0.23	36.22	10.87	25.78	0.47	0.20	6.31	0.35	bdl	bdl	bdl	101.62	0.03	kimberlitic
Horn Plateau	085L_2005_1019	0.25 - 0.5	21738-124	0.06	0.23	16.74	0.14	46.57	4.91	26.67	0.83	0.03	4.85	0.50	bdl	bdl	bdl	101.56	0.47	kimberlitic
Horn Plateau	085L_2005_1023	0.25 - 0.5	21738-125	0.04	0.74	14.93	0.32	46.15	6.69	26.93	0.64	bdl	4.97	0.51	0.03	bdl	bdl	101.98	0.31	kimberlitic
Horn Plateau	085L_2005_1023	0.25 - 0.5	21738-126	0.03	0.03	19.93	0.13	49.19	2.00	19.73	0.35	0.03	10.20	0.09	bdl	bdl	bdl	101.74	0.62	non-kimberlitic
Horn Plateau	085L_2005_1023	0.25 - 0.5	21738-127	bdl	0.27	16.51	0.18	48.79	4.57	23.04	0.71	0.10	7.45	0.24	bdl	bdl	bdl	101.90	0.45	kimberlitic
Horn Plateau	085L_2005_1023	0.25 - 0.5	21738-129	0.03	0.05	20.76	0.21	47.09	1.69	22.41	0.45	0.08	8.35	0.08	bdl	bdl	bdl	101.23	0.07	kimberlitic
Horn Plateau	085L_2005_1028	0.25 - 0.5	21738-130	0.04	0.12	12.21	0.16	53.99	4.35	22.62	0.37	bdl	7.11	0.91	bdl	bdl	bdl	101.92	0.30	kimberlitic
Horn Plateau	085L_2005_1033	0.25 - 0.5	21738-131	0.14	0.21	14.97	0.05	48.44	4.64	27.40	1.02	0.10	4.05	0.59	bdl	bdl	bdl	101.64	0.24	kimberlitic
Horn Plateau	085L_2005_1033	0.25 - 0.5	21738-134	0.06	0.13	16.22	0.20	49.04	4.39	24.95	0.38	bdl	6.51	0.11	0.02	bdl	bdl	102.04	0.25	kimberlitic
Horn Plateau	085L_2005_1033	0.25 - 0.5	21738-135	0.03	1.13	16.67	0.43	41.92	9.11	24.07	0.51	0.14	7.31	0.23	bdl	bdl	bdl	101.58	0.48	kimberlitic
Horn Plateau	085L_2005_1033	0.25 - 0.5	21738-136	0.06	0.24	16.27	0.16	47.53	4.25	28.23	0.81	0.05	3.73	0.85	bdl	bdl	bdl	102.21	0.37	kimberlitic
Horn Plateau	085L_2005_1034	0.25 - 0.5	21738-138	0.04	0.09	14.84	0.14	46.67	5.15	30.62	1.25	0.10	1.51	0.49	0.04	bdl	bdl	100.97	0.40	kimberlitic
Horn Plateau	085L_2005_1035	0.25 - 0.5	21738-139	0.05	0.08	15.23	0.17	44.26	7.36	30.42	1.17	0.10	1.57	0.90	bdl	bdl	bdl	101.34	0.36	kimberlitic
Horn Plateau	085L_2005_1035	0.25 - 0.5	21738-140	0.14	0.21	14.57	0.22	48.34	5.51	24.98	0.86	0.06	5.71	0.34	0.02	bdl	bdl	100.98	0.21	kimberlitic
Horn Plateau	085L_2005_1037	0.25 - 0.5	21738-141	0.07	0.18	16.70	0.13	43.27	6.35	32.32	1.18	0.04	0.69	0.95	bdl	bdl	bdl	101.91	0.32	kimberlitic
Horn Plateau	085L_2005_1039	0.25 - 0.5	21738-143	0.08	4.23	4.87	0.34	50.98	9.48	20.07	0.48	0.27	10.57	0.06	0.04	bdl	bdl	101.49	0.35	kimberlitic
Horn Plateau	085L_2005_1043	0.25 - 0.5	21738-144	0.03	3.79	0.26	0.25	39.34	26.40	23.71	0.56	0.32	7.18	0.29	0.02	bdl	bdl	102.17	0.19	kimberlitic
Horn Plateau	085L_2005_1043	0.25 - 0.5	21738-145	0.02	1.03	8.42	0.36	44.09	16.64	21.90	0.34	0.34	7.64	0.15	bdl	bdl	bdl	100.96	0.08	kimberlitic
Horn Plateau	085L_2005_1053	0.25 - 0.5	21738-146	0.06	0.52	11.67	0.22	52.21	4.95	27.28	0.49	0.11	3.97	1.48	0.04	bdl	bdl	103.02	0.08	kimberlitic
Horn Plateau	085L_2005_1054	0.25 - 0.5	21738-147	0.02	1.32	17.05	0.25	44.72	7.07	18.63	0.31	0.09	11.03	0.21	bdl	bdl	bdl	100.73	0.29	kimberlitic
Horn Plateau	085L_2005_1054	0.25 - 0.5	21738-148	0.09	0.47	15.83	0.21	47.13	7.13	23.55	0.44	0.06	7.55	0.32	bdl	bdl	bdl	102.80	0.04	kimberlitic
Horn Plateau	085L_2005_1055	0.25 - 0.5	21738-149	0.05	0.14	31.18	0.26	32.75	3.29	24.73	0.27	0.05	7.98	0.17	bdl	bdl	bdl	100.90	0.48	kimberlitic
Horn Plateau	085L_2005_1055	0.25 - 0.5	21738-150	0.14	0.36	13.41	0.11	52.53	3.57	23.43	0.70	0.13	7.07	0.06	bdl	bdl	bdl	101.55	0.35	kimberlitic
Horn Plateau	085L_2005_1055	0.25 - 0.5	21738-151	bdl	0.21	10.07	0.15	45.57	11.62	30.17	1.39	0.11	1.01	0.97	bdl	bdl	bdl	101.31	0.38	kimberlitic
Horn Plateau	085L_2005_1062	0.25 - 0.5	21738-152	0.04	0.20	13.85	0.12	59.63	bdl	15.56	0.38	0.11	12.30	0.07	bdl	bdl	bdl	102.30	0.21	kimberlitic
Horn Plateau	085L_2005_1062	0.25 - 0.5	21738-153	0.21	0.16	24.63	0.15	48.22	2.42	14.13	0.40	0.10	15.31	0.20	bdl	bdl	bdl	105.96	0.51	non-kimberlitic
Horn Plateau	085L_2005_1062	0.25 - 0.5	21738-154	0.51	0.26	16.55	0.13	48.20	2.61	22.88	0.54	0.02	7.61	0.41	bdl	bdl	bdl	99.75	0.36	kimberlitic
Horn Plateau	085L_2005_1062	0.25 - 0.5	21738-156	0.09	0.28	14.55	0.16	43.88	9.94	23.62	0.33	0.19	6.57	0.43	0.03	bdl	bdl	100.09	0.36	kimberlitic
Horn Plateau	085L_2005_1062	0.25 - 0.5	21738-158	0.05	0.34	13.62	0.21	54.42	2.57	23.92	0.50	0.05	6.88	0.60	0.03	bdl	bdl	103.22	0.35	kimberlitic
Horn Plateau	085L_2005_1062	0.25 - 0.5	21738-160	0.08	1.09	15.23	0.23	43.22	7.15	27.20	0.45	0.12	4.61	0.73	bdl	bdl	bdl	100.14	0.06	kimberlitic
Horn Plateau	085L_2005_1066	0.25 - 0.5	21738-161	0.06	0.37	12.29	0.25	45.68	12.00	22.40	0.50	0.16	7.49	0.18	bdl	bdl	bdl	101.41	0.59	non-kimberlitic

Horn Plateau	085L_2005_1067	0.25 - 0.5	21738-162	0.06	0.10	11.56	0.29	59.93	1.61	15.28	0.28	0.10	12.24	0.21	bdl	bdl	bdl	101.68	0.66	non-kimberlitic
Horn Plateau	085L_2005_1067	0.25 - 0.5	21738-163	0.06	0.38	13.45	0.12	41.53	13.74	23.64	0.40	0.20	6.44	0.52	bdl	bdl	bdl	100.51	0.37	kimberlitic
Horn Plateau	085L_2005_1069	0.25 - 0.5	21738-164	0.04	1.35	16.74	0.28	41.39	10.83	21.60	0.30	0.18	9.37	0.13	bdl	bdl	bdl	102.23	0.33	kimberlitic
Horn Plateau	085L_2005_1070	0.25 - 0.5	21738-165	bdl	0.85	17.56	0.29	43.29	8.59	20.71	0.47	0.18	9.51	0.06	bdl	bdl	bdl	101.55	0.34	kimberlitic
Horn Plateau	085L_2005_1070	0.25 - 0.5	21738-166	0.12	0.26	12.47	0.11	49.07	8.49	24.10	0.47	0.06	6.56	0.32	bdl	bdl	bdl	102.06	0.23	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-168	0.03	0.37	15.69	0.22	43.67	8.92	25.31	0.49	0.02	5.86	0.32	bdl	bdl	bdl	100.92	0.37	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-169	0.02	bdl	8.65	bdl	54.83	5.46	27.26	0.55	0.11	3.55	0.32	bdl	bdl	bdl	100.81	0.59	non-kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-170	0.06	0.63	18.48	0.26	40.67	10.51	21.30	0.38	0.14	9.26	0.04	bdl	bdl	bdl	101.76	0.33	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-171	0.05	0.08	11.09	0.11	52.43	2.96	29.83	1.01	bdl	0.51	2.81	bdl	bdl	bdl	100.92	0.44	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-172	0.07	4.19	5.86	0.30	46.62	12.04	21.09	0.33	0.21	9.94	0.08	bdl	bdl	bdl	100.76	0.45	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-173	0.07	4.63	8.02	0.14	41.22	14.34	20.96	0.37	0.11	10.36	0.26	bdl	bdl	bdl	100.51	0.33	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-174	0.06	0.34	18.65	0.27	47.72	5.29	17.31	0.27	0.14	11.90	0.04	bdl	bdl	bdl	102.02	0.29	kimberlitic
Horn Plateau	085L_2005_1082	0.25 - 0.5	21738-175	0.51	0.65	17.63	0.20	46.22	7.66	12.97	0.24	0.11	15.08	bdl	bdl	bdl	bdl	101.32	0.19	kimberlitic
Horn Plateau	085L_2005_1086	0.25 - 0.5	21738-176	0.02	0.12	21.07	0.19	46.83	2.83	18.97	0.34	0.08	10.71	0.15	bdl	bdl	bdl	101.33	0.44	kimberlitic
Horn Plateau	085L_2005_1096	0.25 - 0.5	21738-177	0.29	0.32	16.46	0.39	41.40	7.42	33.72	1.21	0.07	0.30	0.47	bdl	bdl	bdl	102.07	0.03	kimberlitic
Horn Plateau	085L_2005_1096	0.25 - 0.5	21738-178	0.12	4.31	8.67	0.04	42.37	13.22	20.43	0.40	0.11	10.77	bdl	bdl	bdl	bdl	100.48	0.46	kimberlitic
Horn Plateau	085L_2005_1096	0.25 - 0.5	21738-180	0.07	0.16	1.01	0.27	68.40	5.62	15.16	0.35	0.16	11.41	0.17	bdl	bdl	bdl	102.80	0.47	kimberlitic
Horn Plateau	085L_2005_1103	0.25 - 0.5	21738-181	0.24	0.26	10.51	0.14	48.31	10.26	25.90	0.46	0.11	5.20	0.24	bdl	bdl	bdl	101.66	0.55	non-kimberlitic
Horn Plateau	085E_2005_1002	0.25 - 0.5	21738-92	0.13	0.03	10.57	0.43	59.76	1.90	16.95	0.38	0.13	10.94	0.18	bdl	bdl	bdl	101.43	0.67	non-kimberlitic
Horn Plateau	085E_2005_1004	0.25 - 0.5	21738-95	0.03	0.38	12.13	0.18	42.83	13.95	24.09	0.73	0.16	5.90	0.44	0.02	bdl	bdl	100.86	0.50	non-kimberlitic
Horn Plateau	085E_2005_1007	0.25 - 0.5	21738-96	0.09	0.11	59.13	0.05	7.03	3.11	7.95	0.10	0.33	21.52	0.11	bdl	bdl	bdl	99.55	0.02	kimberlitic
Horn Plateau	085E_2005_2123	0.25 - 0.5	21738-97	0.09	0.05	59.39	bdl	6.82	3.17	8.01	0.15	0.36	21.42	0.06	0.05	bdl	bdl	99.60	0.48	kimberlitic
Horn Plateau	085E_2005_2124	0.25 - 0.5	21738-98	0.09	3.09	9.96	0.17	46.17	11.98	17.33	0.25	0.15	12.52	bdl	0.03	bdl	bdl	101.77	0.57	non-kimberlitic
Horn Plateau	085E_2005_2190	0.25 - 0.5	21738-99	0.05	bdl	7.66	0.25	62.84	4.07	15.54	0.37	0.03	11.87	0.04	0.04	bdl	bdl	102.79	0.26	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21742-71	0.09	1.52	5.41	0.18	61.88	4.64	15.19	0.39	0.04	12.55	0.20	bdl	bdl	bdl	102.11	0.60	non-kimberlitic
Horn Plateau	085L_2005_1128	0.5 - 1.0	21743-1	0.04	0.23	22.29	0.19	47.48	1.69	15.86	0.24	0.03	12.97	0.25	0.03	bdl	bdl	101.32	0.59	non-kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21743-11	0.15	3.18	5.31	0.26	55.35	5.86	20.57	0.41	0.22	9.74	0.15	0.04	bdl	bdl	101.26	0.49	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21743-12	0.07	0.16	17.21	0.22	48.65	3.51	22.21	1.30	0.13	7.25	0.77	bdl	bdl	bdl	101.51	0.11	kimberlitic
Horn Plateau	085L_2005_2107	0.5 - 1.0	21743-14	0.67	0.19	9.79	0.12	49.51	5.29	29.62	2.03	0.04	0.67	1.95	0.04	bdl	bdl	99.94	0.55	non-kimberlitic
Horn Plateau	085L_2005_2115	0.5 - 1.0	21743-17	0.22	0.10	4.73	0.26	67.19	1.80	15.22	0.23	0.04	11.87	0.09	bdl	bdl	bdl	101.78	0.45	kimberlitic
Horn Plateau	085L_2005_2131	0.5 - 1.0	21743-20	0.03	2.78	3.13	0.27	44.85	18.99	24.60	0.51	0.22	6.57	0.13	bdl	bdl	bdl	102.10	0.68	non-kimberlitic
Horn Plateau	085L_2005_2133	0.5 - 1.0	21743-21	0.07	0.12	29.28	0.19	33.31	7.51	18.49	0.19	0.18	11.87	0.22	0.02	bdl	bdl	101.47	0.31	kimberlitic
Horn Plateau	085L_2005_2196	0.5 - 1.0	21743-23	0.13	0.04	5.88	0.28	65.03	2.59	13.60	0.30	0.18	12.52	0.14	0.04	bdl	bdl	100.75	0.45	kimberlitic
Horn Plateau	085L_2005_1134	0.5 - 1.0	21743-3	0.04	0.34	15.10	0.15	50.50	5.73	19.02	0.58	0.06	10.15	0.10	0.02	bdl	bdl	101.80	0.46	kimberlitic
Horn Plateau	085L_2005_1134	0.5 - 1.0	21743-4	0.06	0.54	16.59	0.20	43.22	6.27	31.06	0.90	0.09	2.06	0.46	bdl	bdl	bdl	101.48	0.37	kimberlitic
Horn Plateau	085L_2005_1140	0.5 - 1.0	21743-5	0.27	0.10	4.74	0.34	66.06	2.01	16.34	0.22	0.18	11.04	0.03	bdl	bdl	bdl	101.36	0.04	kimberlitic
Horn Plateau	085L_2005_1142	0.5 - 1.0	21743-6	0.04	0.95	10.55	0.46	50.81	8.71	20.22	0.20	0.11	9.34	0.20	0.03	bdl	bdl	101.64	0.58	non-kimberlitic
Horn Plateau	085L_2005_1142	0.5 - 1.0	21743-7	0.03	0.06	26.72	0.23	42.75	2.62	12.79	0.23	0.12	15.27	0.14	0.02	bdl	bdl	101.00	0.32	kimberlitic
Horn Plateau	085L_2005_1144	0.5 - 1.0	21743-8	0.06	3.86	2.90	0.35	36.42	25.46	25.79	0.41	0.29	6.42	0.04	bdl	bdl	bdl	102.03	0.53	non-kimberlitic
Horn Plateau	085L_2005_1144	0.5 - 1.0	21743-9	0.13	4.27	5.05	0.32	47.37	11.76	21.37	0.34	0.21	9.68	0.22	0.02	bdl	bdl	100.76	0.62	non-kimberlitic
Horn Plateau	085L_2005_1111	0.25 - 0.5	21744-100	0.04	0.13	14.51	0.19	53.70	3.88	16.79	0.39	0.09	11.39	0.22	bdl	bdl	bdl	101.36	0.36	kimberlitic
Horn Plateau	085L_2005_1111	0.25 - 0.5	21744-101	0.11	0.47	9.53	0.15	54.33	4.84	22.06	0.71	0.14	7.10	0.15	0.04	bdl	bdl	99.64	0.47	kimberlitic
Horn Plateau	085L_2005_1118	0.25 - 0.5	21744-103	0.12	1.03	33.04	0.18	24.06	10.59	17.63	0.27	0.14	13.23	0.03	bdl	bdl	bdl	100.35	0.15	kimberlitic
Horn Plateau	085L_2005_1122	0.25 - 0.5	21744-104	0.21	0.33	18.80	0.24	44.42	4.31	24.93	0.49	0.08	6.55	0.19	0.04	bdl	bdl	100.60	0.55	non-kimberlitic
Horn Plateau	085L_2005_1122	0.25 - 0.5	21744-105	0.20	1.65	4.91	0.27	61.01	4.27	15.59	0.35	0.19	12.12	0.08	bdl	bdl	bdl	100.67	0.36	kimberlitic

Horn Plateau	085L_2005_1123	0.25 - 0.5	21744-107	0.03	0.30	9.38	0.06	55.23	3.56	25.45	0.49	0.24	4.49	0.88	bdl	bdl	bdl	100.14	0.57	non-kimberlitic
Horn Plateau	085L_2005_1123	0.25 - 0.5	21744-109	0.07	0.50	11.96	0.16	45.09	11.86	24.53	0.52	0.09	5.85	0.74	bdl	bdl	bdl	101.40	0.32	kimberlitic
Horn Plateau	085L_2005_1123	0.25 - 0.5	21744-110	0.29	0.10	17.12	0.35	41.84	4.07	31.26	0.25	0.11	0.02	3.40	0.05	bdl	bdl	98.88	0.58	non-kimberlitic
Horn Plateau	085L_2005_1123	0.25 - 0.5	21744-111	0.04	0.45	13.17	0.36	48.74	7.70	19.20	0.56	0.10	9.34	0.39	bdl	bdl	bdl	100.08	0.24	kimberlitic
Horn Plateau	085L_2005_1124	0.25 - 0.5	21744-112	0.05	0.90	7.02	0.18	51.75	6.67	30.45	1.38	0.08	1.18	0.20	0.02	bdl	bdl	99.90	0.30	kimberlitic
Horn Plateau	085L_2005_1127	0.25 - 0.5	21744-114	0.07	0.93	8.45	0.19	53.42	6.28	21.15	0.34	0.15	7.89	0.25	0.03	bdl	bdl	99.17	0.00	kimberlitic
Horn Plateau	085L_2005_1128	0.25 - 0.5	21744-115	0.02	0.08	11.32	0.12	46.58	8.31	29.91	1.17	0.02	1.13	0.94	0.02	bdl	bdl	99.63	0.46	kimberlitic
Horn Plateau	085L_2005_1130	0.25 - 0.5	21744-116	0.10	3.25	9.91	0.26	44.00	12.64	19.20	0.31	0.31	11.07	0.12	0.02	bdl	bdl	101.21	0.06	kimberlitic
Horn Plateau	085L_2005_1140	0.25 - 0.5	21744-117	0.11	2.59	3.91	0.45	36.76	25.23	24.27	0.49	0.26	6.46	0.09	bdl	bdl	bdl	100.65	0.40	kimberlitic
Horn Plateau	085L_2005_1140	0.25 - 0.5	21744-118	bdl	0.93	8.78	0.22	48.94	8.15	30.45	0.78	0.16	1.72	0.35	bdl	bdl	bdl	100.52	0.06	kimberlitic
Horn Plateau	085L_2005_1142	0.25 - 0.5	21744-119	0.09	0.13	16.25	0.12	43.04	12.53	18.79	0.33	0.21	10.33	0.21	bdl	bdl	bdl	102.05	0.51	non-kimberlitic
Horn Plateau	085L_2005_1142	0.25 - 0.5	21744-120	0.02	0.44	17.38	0.09	43.94	5.05	27.61	1.88	bdl	3.59	0.28	bdl	bdl	bdl	100.32	0.32	kimberlitic
Horn Plateau	085L_2005_1144	0.25 - 0.5	21744-122	0.05	0.51	13.13	0.22	42.21	10.15	31.73	0.53	0.10	1.03	0.81	bdl	bdl	bdl	100.50	0.09	kimberlitic
Horn Plateau	085L_2005_1152	0.25 - 0.5	21744-123	0.04	0.31	17.51	0.14	46.15	5.49	21.56	0.46	0.14	8.30	0.44	bdl	bdl	bdl	100.57	0.49	kimberlitic
Horn Plateau	085L_2005_1153	0.25 - 0.5	21744-124	0.07	0.45	13.76	0.22	51.88	4.92	14.47	0.31	0.10	12.66	0.08	bdl	bdl	bdl	98.95	0.19	kimberlitic
Horn Plateau	085L_2005_2098	0.25 - 0.5	21744-125	0.03	0.11	8.49	0.20	50.40	7.29	28.51	1.39	bdl	0.83	2.32	bdl	bdl	bdl	99.60	0.05	kimberlitic
Horn Plateau	085L_2005_2098	0.25 - 0.5	21744-126	bdl	0.19	19.07	0.18	34.89	13.12	27.40	0.40	0.13	4.49	0.37	bdl	bdl	bdl	100.27	0.41	kimberlitic
Horn Plateau	085L_2005_2098	0.25 - 0.5	21744-127	0.06	0.28	16.71	0.15	49.21	5.42	15.65	0.39	bdl	12.37	0.10	bdl	bdl	bdl	100.38	0.61	non-kimberlitic
Horn Plateau	085L_2005_2098	0.25 - 0.5	21744-128	0.05	0.73	7.43	0.21	55.68	4.28	24.13	0.50	0.08	5.71	0.11	0.02	bdl	bdl	98.95	0.05	kimberlitic
Horn Plateau	085L_2005_2098	0.25 - 0.5	21744-129	bdl	0.05	12.41	0.43	58.28	2.64	15.34	0.31	0.10	12.26	0.17	0.04	bdl	bdl	102.05	0.23	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-130	0.06	0.69	22.08	0.32	31.96	10.46	30.05	0.89	0.26	2.38	1.60	0.04	bdl	bdl	100.82	0.58	non-kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-131	0.07	0.51	14.01	0.06	43.51	7.27	30.43	1.00	0.03	0.82	2.14	bdl	bdl	bdl	99.88	0.30	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-133	0.20	0.77	16.98	0.21	48.23	5.76	13.64	0.26	0.18	14.07	0.19	bdl	bdl	bdl	100.52	0.59	non-kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-135	bdl	0.10	11.14	0.12	44.67	11.29	29.45	0.34	0.09	2.38	0.18	bdl	bdl	bdl	99.80	0.12	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-136	bdl	0.29	13.38	0.15	47.78	9.59	21.45	0.30	0.07	8.29	0.35	bdl	bdl	bdl	101.69	0.05	kimberlitic
Horn Plateau	085L_2005_2112	0.25 - 0.5	21744-137	0.06	0.30	7.98	0.32	48.63	8.43	29.24	0.95	bdl	0.60	2.23	bdl	bdl	bdl	98.77	0.65	non-kimberlitic
Horn Plateau	085L_2005_2113	0.25 - 0.5	21744-138	0.04	1.71	13.67	0.21	42.41	8.50	27.53	0.98	bdl	4.20	0.87	bdl	bdl	bdl	100.16	0.13	kimberlitic
Horn Plateau	085L_2005_2114	0.25 - 0.5	21744-139	0.03	0.08	41.03	0.05	23.59	4.04	16.82	0.16	0.27	13.82	0.27	bdl	bdl	bdl	100.19	0.41	kimberlitic
Horn Plateau	085L_2005_2114	0.25 - 0.5	21744-140	0.07	0.35	7.19	bdl	56.84	6.02	22.02	0.64	0.14	7.00	0.17	bdl	bdl	bdl	100.47	0.04	kimberlitic
Horn Plateau	085L_2005_2115	0.25 - 0.5	21744-142	0.09	0.28	16.73	0.13	42.64	5.90	31.42	1.02	0.03	0.87	1.52	bdl	bdl	bdl	100.66	0.21	kimberlitic
Horn Plateau	085L_2005_2118	0.25 - 0.5	21744-145	0.02	0.08	16.89	0.42	50.27	5.11	15.69	0.29	0.10	12.38	0.19	0.03	bdl	bdl	101.49	0.59	non-kimberlitic
Horn Plateau	085L_2005_2130	0.25 - 0.5	21744-146	0.08	0.22	19.56	0.16	48.37	3.88	13.66	0.34	0.11	13.95	0.05	0.03	bdl	bdl	100.43	0.36	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-147	0.04	0.17	11.26	0.08	52.88	7.79	16.11	0.56	0.05	11.22	0.17	bdl	bdl	bdl	100.36	0.05	kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-148	0.06	0.12	6.12	0.24	64.43	3.17	14.82	0.17	0.12	12.07	0.04	bdl	bdl	bdl	101.39	0.58	non-kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-149	0.20	0.54	17.69	0.31	51.16	5.96	13.26	0.22	0.23	15.17	0.21	bdl	bdl	bdl	104.98	0.65	non-kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-151	0.05	0.50	10.25	0.22	44.64	14.53	20.90	0.41	0.26	8.02	0.11	0.02	bdl	bdl	99.94	0.55	non-kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-152	0.06	0.26	16.02	0.17	47.03	5.02	24.20	0.97	bdl	6.17	0.33	bdl	bdl	bdl	100.26	0.59	non-kimberlitic
Horn Plateau	085L_2005_2131	0.25 - 0.5	21744-153	0.05	0.20	5.91	0.14	64.38	3.19	14.92	0.26	0.15	11.88	0.09	bdl	bdl	bdl	101.20	0.67	non-kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-163	0.05	0.55	15.01	0.19	42.60	9.50	24.04	0.52	0.16	6.23	0.39	bdl	bdl	bdl	99.27	0.41	kimberlitic
Horn Plateau	085L_2005_2133	0.25 - 0.5	21744-164	0.08	0.44	14.21	0.10	43.86	9.97	23.58	0.54	0.17	6.62	0.17	0.02	bdl	bdl	99.78	0.31	kimberlitic
Horn Plateau	085K_2005_2149	0.25 - 0.5	21744-165	0.11	2.38	10.30	0.13	44.87	9.28	26.14	0.71	0.12	5.58	0.35	bdl	bdl	bdl	100.00	0.59	non-kimberlitic
Horn Plateau	085L_2005_2153	0.25 - 0.5	21744-166	0.02	0.22	25.96	0.23	42.41	1.24	14.42	0.33	0.07	13.63	0.34	0.03	bdl	bdl	98.92	0.32	kimberlitic
Horn Plateau	085L_2005_2160	0.25 - 0.5	21744-167	8.35	0.21	12.23	0.20	42.49	2.10	28.45	0.47	bdl	10.72	0.42	1.31	bdl	bdl	106.98	0.33	kimberlitic
Horn Plateau	085L_2005_2164	0.25 - 0.5	21744-168	0.12	1.62	0.88	0.21	59.59	6.93	21.47	0.43	0.06	7.41	0.04	bdl	bdl	bdl	98.79	0.28	kimberlitic
Horn Plateau	085E_2005_2176	0.25 - 0.5	21744-169	0.06	0.45	22.41	0.34	33.23	9.99	28.83	0.41	0.06	4.28	0.16	0.03	bdl	bdl	100.26	0.63	non-kimberlitic

Horn Plateau	085E_2005_2176	0.25 - 0.5	21744-170	0.11	0.22	5.26	bdl	58.11	3.16	28.83	0.98	0.17	1.26	1.17	bdl	bdl	bdl	99.31	0.40	kimberlitic
Horn Plateau	085E_2005_2176	0.25 - 0.5	21744-172	0.02	0.15	10.48	0.48	57.97	2.53	16.51	0.26	0.04	10.99	0.08	bdl	bdl	bdl	99.54	0.38	kimberlitic
Horn Plateau	085L_2005_2194	0.25 - 0.5	21744-173	0.11	2.66	2.40	0.20	60.44	4.28	16.71	0.31	0.13	11.28	0.08	bdl	bdl	bdl	98.63	0.21	kimberlitic
Horn Plateau	085L_2005_2207	0.25 - 0.5	21744-174	0.17	0.09	4.29	0.02	59.21	3.66	30.30	0.68	bdl	0.65	1.19	0.03	bdl	bdl	100.32	0.07	kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-37	bdl	3.51	2.65	0.51	45.72	15.65	23.09	0.40	0.16	7.44	0.14	0.05	bdl	bdl	99.35	0.54	non-kimberlitic
Horn Plateau	085L_2005_2107	0.25 - 0.5	21744-52	bdl	2.00	4.16	0.29	53.74	11.41	19.22	0.41	0.08	9.69	0.25	bdl	bdl	bdl	101.28	0.55	non-kimberlitic
Horn Plateau	085L_2005_1107	0.25 - 0.5	21744-98	0.07	1.18	9.59	0.18	48.84	7.70	29.48	0.64	0.16	2.87	0.30	0.02	bdl	bdl	101.05	0.04	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21746-178	0.05	0.09	73.42	bdl	0.05	bdl	2.75	0.05	0.05	25.44	bdl	bdl	bdl	0.04	101.99	0.92	non-kimberlitic
Horn Plateau	095H_2005_1014	0.25 - 0.5	21746-35	0.05	0.11	69.90	0.17	0.07	bdl	3.73	0.05	bdl	24.31	bdl	bdl	bdl	bdl	98.45	0.94	non-kimberlitic
Horn Plateau	095H_2005_1004	0.5 - 1.0	21748-120	0.32	4.37	7.19	0.16	47.70	11.39	16.29	0.34	0.19	13.78	0.07	bdl	bdl	bdl	101.83	0.60	non-kimberlitic
Horn Plateau	095H_2005_1006	0.5 - 1.0	21748-121	0.07	4.78	7.20	bdl	41.39	17.11	16.12	0.31	0.15	13.72	0.03	0.03	bdl	bdl	100.94	0.60	non-kimberlitic
Horn Plateau	095H_2005_1009	0.5 - 1.0	21748-122	bdl	0.70	12.38	0.14	47.16	10.04	20.76	0.37	0.20	8.69	0.07	bdl	bdl	bdl	100.56	0.43	kimberlitic
Horn Plateau	095H_2005_1011	0.5 - 1.0	21748-123	0.07	0.37	17.20	0.12	45.21	6.43	23.63	0.39	bdl	7.31	0.19	0.04	bdl	bdl	100.99	0.36	kimberlitic
Horn Plateau	095H_2005_1023	0.5 - 1.0	21748-124	0.11	0.07	17.87	0.20	37.35	15.89	17.95	0.32	0.07	10.87	0.13	0.04	bdl	bdl	100.89	0.52	non-kimberlitic
Horn Plateau	095H_2005_1025	0.5 - 1.0	21748-125	bdl	2.11	3.27	0.36	51.18	12.54	21.21	0.39	0.04	8.06	0.11	bdl	bdl	bdl	99.31	0.40	kimberlitic
Horn Plateau	095H_2005_1025	0.5 - 1.0	21748-126	0.06	bdl	31.31	0.26	34.84	5.12	12.07	0.22	0.18	16.05	0.03	bdl	bdl	bdl	100.17	0.70	non-kimberlitic
Horn Plateau	095H_2005_2002	0.5 - 1.0	21748-128	0.11	0.23	8.23	0.06	52.99	5.42	29.21	0.96	bdl	0.92	2.40	0.04	bdl	bdl	100.59	0.05	kimberlitic
Horn Plateau	095H_2005_2005	0.5 - 1.0	21748-129	0.04	0.16	24.90	0.24	40.32	7.39	14.17	0.34	0.14	14.41	0.10	bdl	bdl	bdl	102.24	0.64	non-kimberlitic
Horn Plateau	095H_2005_2005	0.5 - 1.0	21748-130	0.07	0.11	40.96	0.09	27.91	0.90	11.62	0.23	0.03	17.22	0.33	bdl	bdl	bdl	99.50	0.73	non-kimberlitic
Horn Plateau	095H_2005_2005	0.5 - 1.0	21748-131	bdl	0.10	24.34	0.19	44.54	2.49	15.81	0.35	0.11	13.01	0.14	bdl	bdl	bdl	101.12	0.59	non-kimberlitic
Horn Plateau	095H_2005_2012	0.5 - 1.0	21748-132	0.05	0.47	8.18	0.35	61.26	2.71	17.02	0.44	0.12	10.84	0.18	bdl	bdl	bdl	101.64	0.53	non-kimberlitic
Horn Plateau	095H_2005_2013	0.5 - 1.0	21748-133	0.08	0.06	6.43	0.26	63.50	3.34	14.57	0.46	0.09	11.90	0.10	0.04	bdl	bdl	100.86	0.59	non-kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-134	0.05	0.08	35.94	0.14	24.80	9.85	13.28	0.26	0.25	15.58	0.26	0.02	bdl	bdl	100.53	0.68	non-kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-135	0.03	bdl	29.99	0.37	34.39	3.23	26.33	0.35	0.12	6.78	0.24	bdl	bdl	bdl	101.86	0.31	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-136	0.08	5.05	3.39	0.54	38.32	20.79	24.49	0.44	0.18	7.95	0.11	bdl	bdl	bdl	101.36	0.37	kimberlitic
Horn Plateau	095H_2005_2016	0.5 - 1.0	21748-137	0.03	0.04	37.92	0.12	31.35	2.31	10.13	0.22	0.21	18.00	0.16	bdl	bdl	bdl	100.51	0.76	non-kimberlitic
Horn Plateau	095H_2005_2017	0.5 - 1.0	21748-138	0.03	0.06	27.91	0.15	43.08	0.51	13.35	0.24	0.05	14.99	0.17	bdl	bdl	bdl	100.57	0.67	non-kimberlitic
Horn Plateau	095I_2005_2019	0.5 - 1.0	21748-139	0.08	4.17	6.10	0.35	47.74	10.73	20.02	0.34	0.13	10.64	0.11	bdl	bdl	bdl	100.43	0.49	kimberlitic
Horn Plateau	095I_2005_2029	0.5 - 1.0	21748-140	0.11	0.37	10.13	0.13	57.84	3.88	15.27	0.37	0.14	11.94	0.14	0.02	bdl	bdl	100.36	0.58	non-kimberlitic
Horn Plateau	095I_2005_2037	0.5 - 1.0	21748-141	0.06	4.03	5.65	0.28	47.33	11.51	19.94	0.26	0.25	10.37	0.13	bdl	bdl	bdl	99.84	0.48	kimberlitic
Horn Plateau	095I_2005_2075	0.5 - 1.0	21748-143	0.09	1.91	6.70	0.18	40.60	20.95	21.83	0.48	0.31	8.06	0.10	bdl	bdl	bdl	101.24	0.40	kimberlitic
Horn Plateau	095I_2005_2077	0.5 - 1.0	21748-144	bdl	0.33	21.75	0.28	47.03	1.54	18.25	0.32	0.07	11.27	0.28	bdl	bdl	bdl	101.15	0.52	non-kimberlitic
Horn Plateau	095I_2005_2079	0.5 - 1.0	21748-145	0.02	0.05	10.63	0.35	58.38	2.52	16.42	0.46	0.08	10.90	0.08	0.05	bdl	bdl	99.95	0.54	non-kimberlitic
Horn Plateau	095I_2005_2083	0.5 - 1.0	21748-146	0.14	2.43	10.14	0.20	45.82	9.01	24.80	0.40	0.13	6.84	0.12	0.02	bdl	bdl	100.07	0.33	kimberlitic
Horn Plateau	095H_2005_1004	0.25 - 0.5	21749-118	0.02	0.24	12.42	0.26	58.19	2.32	15.35	0.28	0.07	12.35	0.19	0.02	bdl	bdl	101.73	0.59	non-kimberlitic
Horn Plateau	095H_2005_1005	0.25 - 0.5	21749-119	1.65	0.55	16.82	0.17	43.53	4.86	23.40	0.47	bdl	8.09	0.35	0.80	bdl	bdl	100.72	0.38	kimberlitic
Horn Plateau	095H_2005_1006	0.25 - 0.5	21749-120	0.09	1.17	8.39	0.10	48.79	10.26	25.70	0.43	0.12	5.32	0.21	0.03	bdl	bdl	100.63	0.27	kimberlitic
Horn Plateau	095H_2005_1006	0.25 - 0.5	21749-121	0.02	0.62	8.59	0.20	48.91	11.03	25.02	0.48	0.08	5.31	0.35	0.03	bdl	bdl	100.65	0.27	kimberlitic
Horn Plateau	095H_2005_1006	0.25 - 0.5	21749-122	0.08	0.53	13.71	0.22	51.46	7.08	12.59	0.31	0.13	14.10	0.25	0.03	bdl	bdl	100.51	0.67	non-kimberlitic
Horn Plateau	095H_2005_1009	0.25 - 0.5	21749-123	0.07	2.07	4.73	0.16	60.11	6.45	13.08	0.31	0.23	13.99	0.07	bdl	bdl	bdl	101.31	0.66	non-kimberlitic
Horn Plateau	095H_2005_1011	0.25 - 0.5	21749-124	0.03	0.04	15.70	0.22	55.79	0.10	16.48	0.30	0.09	11.55	0.28	0.02	bdl	bdl	100.62	0.56	non-kimberlitic
Horn Plateau	095H_2005_1011	0.25 - 0.5	21749-125	0.02	0.22	33.70	0.07	31.53	4.38	16.11	0.27	0.13	13.65	0.29	bdl	bdl	bdl	100.40	0.60	non-kimberlitic
Horn Plateau	095H_2005_1014	0.25 - 0.5	21749-126	bdl	0.59	16.22	0.10	41.83	7.32	29.41	2.01	0.04	0.28	4.12	bdl	bdl	bdl	101.95	0.02	kimberlitic
Horn Plateau	095H_2005_1014	0.25 - 0.5	21749-127	0.11	0.12	23.57	0.07	31.28	16.01	17.81	0.28	0.31	11.54	0.14	0.02	bdl	bdl	101.28	0.54	non-kimberlitic
Horn Plateau	095H_2005_1017	0.25 - 0.5	21749-128	0.07	1.67	2.96	0.22	57.57	9.33	18.60	0.36	0.17	9.86	0.08	bdl	bdl	bdl	100.91	0.49	kimberlitic

Horn Plateau	095H_2005_1023	0.25 - 0.5	21749-129	bdl	0.14	26.78	0.10	41.26	2.74	19.29	0.39	0.12	11.19	0.17	bdl	bdl	bdl	102.22	0.51	non-kimberlitic
Horn Plateau	095H_2005_1023	0.25 - 0.5	21749-130	0.05	0.33	17.54	0.15	41.85	5.77	29.54	1.36	bdl	2.38	0.39	bdl	bdl	bdl	99.40	0.13	kimberlitic
Horn Plateau	095H_2005_1023	0.25 - 0.5	21749-131	0.06	1.22	27.10	0.22	36.69	5.82	14.93	0.30	0.31	14.48	0.13	0.03	bdl	bdl	101.31	0.63	non-kimberlitic
Horn Plateau	095H_2005_1025	0.25 - 0.5	21749-135	0.08	1.27	9.28	0.20	52.15	7.88	21.23	0.27	0.20	8.72	0.05	0.02	bdl	bdl	101.37	0.42	kimberlitic
Horn Plateau	095H_2005_1025	0.25 - 0.5	21749-136	bdl	0.28	18.75	0.16	41.82	9.86	19.48	0.36	0.22	9.90	0.33	bdl	bdl	bdl	101.21	0.48	kimberlitic
Horn Plateau	095H_2005_2002	0.25 - 0.5	21749-137	0.07	0.43	9.28	0.08	57.10	5.96	15.87	0.35	0.12	11.67	0.03	0.02	bdl	bdl	101.00	0.57	non-kimberlitic
Horn Plateau	095H_2005_2003	0.25 - 0.5	21749-138	0.02	1.01	17.54	0.28	40.23	10.83	21.78	0.35	0.09	8.99	bdl	bdl	bdl	bdl	101.15	0.42	kimberlitic
Horn Plateau	095H_2005_2004	0.25 - 0.5	21749-139	bdl	0.27	6.19	0.05	56.03	5.09	30.11	0.77	bdl	0.93	1.24	0.02	bdl	bdl	100.74	0.05	kimberlitic
Horn Plateau	095H_2005_2005	0.25 - 0.5	21749-140	bdl	0.46	15.86	0.15	45.90	6.96	22.81	0.48	0.03	7.55	0.17	bdl	bdl	bdl	100.41	0.37	kimberlitic
Horn Plateau	095H_2005_2005	0.25 - 0.5	21749-141	0.07	0.22	17.01	0.16	43.44	5.46	31.21	1.59	bdl	1.06	0.98	0.03	bdl	bdl	101.26	0.06	kimberlitic
Horn Plateau	095H_2005_2005	0.25 - 0.5	21749-142	0.02	0.97	2.62	0.29	56.04	12.54	18.53	0.41	0.22	9.32	0.16	bdl	bdl	bdl	101.15	0.47	kimberlitic
Horn Plateau	095H_2005_2005	0.25 - 0.5	21749-143	0.05	0.46	15.65	0.32	47.05	6.40	23.45	0.59	0.18	7.08	0.46	bdl	bdl	bdl	101.72	0.35	kimberlitic
Horn Plateau	095H_2005_2005	0.25 - 0.5	21749-144	0.11	0.44	11.09	0.39	52.73	6.47	17.93	0.31	0.16	10.30	0.15	bdl	bdl	bdl	100.11	0.51	non-kimberlitic
Horn Plateau	095H_2005_2011	0.25 - 0.5	21749-145	0.02	0.75	21.08	0.23	41.11	6.16	20.98	0.41	0.14	9.45	0.20	bdl	bdl	bdl	100.56	0.45	kimberlitic
Horn Plateau	095H_2005_2011	0.25 - 0.5	21749-146	0.07	0.22	14.50	0.12	49.44	6.98	18.93	0.53	0.11	9.94	0.07	bdl	bdl	bdl	100.94	0.48	kimberlitic
Horn Plateau	095H_2005_2012	0.25 - 0.5	21749-150	0.12	0.36	16.74	0.30	44.27	4.93	30.93	0.81	0.07	2.20	0.32	bdl	bdl	bdl	101.07	0.11	kimberlitic
Horn Plateau	095H_2005_2012	0.25 - 0.5	21749-151	bdl	0.29	16.87	0.19	45.57	6.20	26.14	0.77	0.06	5.37	0.32	bdl	bdl	bdl	101.82	0.27	kimberlitic
Horn Plateau	095H_2005_2013	0.25 - 0.5	21749-152	0.14	0.24	17.18	0.18	50.97	4.88	12.63	0.23	0.16	14.64	0.06	0.06	bdl	bdl	101.39	0.67	non-kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-154	0.08	0.49	24.94	0.22	41.05	4.36	12.78	0.25	0.21	15.04	0.04	0.03	bdl	bdl	99.51	0.68	non-kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-155	0.39	0.47	17.32	0.16	41.27	8.90	23.98	0.45	0.19	7.17	0.18	bdl	bdl	bdl	100.51	0.35	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-156	0.06	0.32	16.22	0.08	47.42	5.12	23.43	0.53	0.03	6.98	0.50	0.02	bdl	bdl	100.73	0.35	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-157	0.03	1.44	5.63	0.39	46.26	17.71	23.06	0.37	0.17	7.29	0.07	bdl	bdl	bdl	102.44	0.36	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-158	0.02	0.25	15.80	0.04	43.99	6.07	31.06	1.03	0.05	1.38	0.60	0.03	bdl	bdl	100.34	0.07	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-159	0.02	0.45	17.48	0.31	45.90	5.58	22.74	0.51	0.03	7.74	0.48	0.02	bdl	bdl	101.28	0.38	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-160	0.11	0.11	3.77	0.09	59.85	3.99	29.03	1.13	bdl	0.48	2.51	bdl	bdl	bdl	101.11	0.03	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-162	0.03	0.32	16.19	0.16	46.61	4.85	26.84	0.61	0.05	4.69	0.50	0.03	bdl	bdl	100.91	0.24	kimberlitic
Horn Plateau	095H_2005_2016	0.25 - 0.5	21749-163	0.04	0.50	17.59	0.20	40.34	11.09	22.47	0.36	0.27	7.98	0.25	bdl	bdl	bdl	101.12	0.39	kimberlitic
Horn Plateau	095I_2005_2006	0.25 - 0.5	21749-164	0.08	0.34	30.32	0.18	33.16	7.06	15.80	0.19	0.09	13.99	0.10	bdl	bdl	bdl	101.34	0.61	non-kimberlitic
Horn Plateau	095I_2005_2020	0.25 - 0.5	21749-165	bdl	0.41	8.40	0.07	53.39	6.58	26.70	0.66	bdl	4.11	0.21	bdl	bdl	bdl	100.58	0.22	kimberlitic
Horn Plateau	095I_2005_2013	0.25 - 0.5	21749-166	bdl	0.37	19.32	0.18	44.75	5.53	22.77	0.43	0.15	7.97	0.54	bdl	bdl	bdl	102.04	0.38	kimberlitic
Horn Plateau	095I_2005_2027	0.25 - 0.5	21749-167	0.03	0.65	14.75	0.17	45.13	5.97	29.04	1.43	0.05	2.41	0.96	0.04	bdl	bdl	100.65	0.13	kimberlitic
Horn Plateau	095I_2005_2027	0.25 - 0.5	21749-168	0.11	0.05	22.64	0.09	48.09	3.00	10.47	0.23	0.23	16.55	bdl	bdl	bdl	bdl	101.50	0.74	non-kimberlitic
Horn Plateau	095I_2005_2027	0.25 - 0.5	21749-169	0.32	0.67	21.76	0.15	39.83	7.22	20.53	0.35	0.16	10.17	0.29	0.02	bdl	bdl	101.49	0.47	kimberlitic
Horn Plateau	095I_2005_2029	0.25 - 0.5	21749-170	0.10	0.31	34.98	0.06	31.46	2.97	16.71	0.30	0.11	13.73	0.10	bdl	bdl	bdl	100.86	0.59	non-kimberlitic
Horn Plateau	095I_2005_2054	0.25 - 0.5	21749-171	0.29	0.46	15.00	0.08	43.30	10.51	22.22	0.55	0.02	7.94	0.43	bdl	bdl	bdl	100.82	0.39	kimberlitic
Horn Plateau	095I_2005_2058	0.25 - 0.5	21749-172	0.06	0.40	13.73	0.06	44.59	11.96	22.16	0.43	0.16	7.86	0.28	bdl	bdl	bdl	101.72	0.39	kimberlitic
Horn Plateau	095I_2005_2077	0.25 - 0.5	21749-174	0.04	0.34	31.45	0.07	34.72	3.52	15.78	0.30	0.14	13.76	0.14	0.02	bdl	bdl	100.30	0.61	non-kimberlitic
Horn Plateau	095I_2005_2077	0.25 - 0.5	21749-175	0.07	0.31	19.12	0.14	46.39	5.24	16.25	0.34	0.21	12.18	0.02	0.02	bdl	bdl	100.32	0.57	non-kimberlitic
Horn Plateau	095I_2005_2077	0.25 - 0.5	21749-176	0.03	2.28	3.09	0.31	57.32	6.31	20.86	0.39	0.13	8.38	0.13	bdl	bdl	bdl	99.26	0.42	kimberlitic
Horn Plateau	095I_2005_2077	0.25 - 0.5	21749-178	0.05	bdl	15.64	0.08	45.69	8.34	20.58	0.41	0.09	8.63	0.09	bdl	bdl	bdl	99.64	0.43	kimberlitic
Horn Plateau	095I_2005_2079	0.25 - 0.5	21749-179	bdl	0.20	11.93	0.27	51.97	7.60	18.72	0.42	0.08	9.73	0.36	bdl	bdl	bdl	101.32	0.48	kimberlitic
Horn Plateau	095I_2005_2083	0.25 - 0.5	21749-180	0.03	bdl	10.29	0.42	58.41	3.12	17.39	0.37	bdl	10.47	0.14	bdl	bdl	bdl	100.69	0.52	non-kimberlitic
Horn Plateau	095I_2005_2083	0.25 - 0.5	21749-181	0.13	2.89	8.22	0.26	50.54	9.99	14.92	0.31	0.36	13.58	bdl	0.02	bdl	bdl	101.25	0.62	non-kimberlitic
Horn Plateau	095I_2005_2087	0.25 - 0.5	21749-182	0.08	1.08	17.29	0.15	41.66	5.97	31.17	0.79	0.13	2.37	0.48	0.02	bdl	bdl	101.21	0.12	kimberlitic
Horn Plateau	095I_2005_2087	0.25 - 0.5	21749-184	0.05	5.14	3.14	0.49	35.24	23.85	25.39	0.41	0.34	7.30	bdl	0.04	bdl	bdl	101.42	0.34	kimberlitic

Horn Plateau	DDH2006-15-8-67	0.25-0.5	DDH-15-8-67-1	bdl	0.21	26.03	nd	36.37	5.96	22.74	0.18	0.11	8.30	0.87	bdl	bdl	bdl	100.82	0.39	kimberlitic
Horn Plateau	DDH2006-16-1-69	0.25-0.5	DDH-16-1-69-1	0.11	3.14	12.37	nd	42.82	10.31	23.75	0.31	0.23	8.53	0.02	bdl	bdl	bdl	101.61	0.39	kimberlitic
Trout Lake	TL-08-013	0.25-0.5	20161-003	bdl	0.69	13.74	0.18	43.35	10.77	17.93	0.21	0.09	9.73	nd	0.60	bdl	bdl	97.32	0.86	kimberlitic
Trout Lake	TL-08-069	0.25-0.5	20161-054	bdl	0.02	68.23	0.04	0.06	0.41	6.78	0.19	bdl	23.21	nd	bdl	bdl	bdl	98.99	0.95	non-kimberlitic
Trout Lake	TL-08-004	0.25-0.5	20161-055	bdl	0.02	66.72	bdl	0.07	3.58	2.56	0.07	bdl	25.84	nd	bdl	bdl	bdl	98.92	0.84	non-kimberlitic
Trout Lake	TL-08-004	0.25-0.5	20161-056	bdl	bdl	67.27	bdl	0.13	0.98	7.67	0.70	bdl	22.17	nd	bdl	bdl	bdl	98.99	0.95	non-kimberlitic
Trout Lake	TL-08-005	0.25-0.5	20161-057	0.02	0.06	69.14	0.02	0.14	0.67	2.65	0.09	bdl	26.09	nd	bdl	bdl	bdl	98.93	0.78	non-kimberlitic
Trout Lake	TL-08-003	0.25-0.5	20161-058	bdl	bdl	66.19	bdl	0.09	0.36	10.40	0.34	0.02	20.24	nd	bdl	bdl	bdl	97.70	0.42	non-kimberlitic
Trout Lake	TL-08-023	0.25-0.5	20161-060	bdl	0.03	66.58	0.04	0.03	2.12	6.06	0.08	bdl	23.46	nd	bdl	bdl	bdl	98.44	0.87	non-kimberlitic
Trout Lake	TL-08-031	0.25-0.5	20161-061	bdl	bdl	68.90	0.04	0.03	1.52	2.00	0.06	bdl	26.48	nd	bdl	bdl	bdl	99.09	0.96	non-kimberlitic
Trout Lake	TL-08-029	0.25-0.5	20161-062	bdl	bdl	69.11	bdl	0.10	0.79	2.19	0.02	bdl	26.27	nd	bdl	bdl	bdl	98.55	0.95	non-kimberlitic
Trout Lake	TL-08-043	0.25-0.5	20161-063	bdl	bdl	68.56	0.04	0.04	1.10	2.44	0.09	bdl	25.98	nd	bdl	bdl	bdl	98.31	0.95	non-kimberlitic
Trout Lake	TL-08-037	0.25-0.5	20161-064	0.02	bdl	69.05	0.04	0.07	1.19	1.93	0.03	bdl	26.55	nd	bdl	bdl	bdl	98.93	0.96	non-kimberlitic
Trout Lake	TL-08-047	0.25-0.5	20161-065	bdl	bdl	65.32	bdl	bdl	2.01	10.68	0.87	bdl	19.84	nd	bdl	bdl	bdl	98.80	0.77	non-kimberlitic
Trout Lake	TL-08-042	0.25-0.5	20161-066	bdl	bdl	68.92	bdl	0.03	1.25	2.78	0.08	0.02	25.95	nd	bdl	bdl	bdl	99.09	0.94	non-kimberlitic
Trout Lake	TL-08-039	0.25-0.5	20161-067	bdl	bdl	66.41	0.02	0.08	0.69	12.67	0.08	0.32	19.13	nd	bdl	bdl	bdl	99.45	0.73	non-kimberlitic
Trout Lake	TL-08-053	0.25-0.5	20161-068	0.02	0.03	69.06	bdl	0.10	0.82	2.66	0.03	bdl	26.04	nd	bdl	bdl	bdl	98.81	0.34	non-kimberlitic
Trout Lake	TL-08-053	0.25-0.5	20161-069	bdl	bdl	69.33	bdl	0.08	0.82	2.72	0.05	bdl	26.08	nd	bdl	bdl	bdl	99.15	0.58	non-kimberlitic
Trout Lake	TL-08-053	0.25-0.5	20161-070	0.03	0.03	68.40	bdl	bdl	1.58	3.82	0.03	bdl	25.35	nd	bdl	bdl	bdl	99.30	0.58	non-kimberlitic
Trout Lake	TL-08-056	0.25-0.5	20161-072	0.03	bdl	66.61	bdl	bdl	2.54	6.25	0.05	bdl	23.47	nd	bdl	bdl	bdl	99.01	0.58	non-kimberlitic
Trout Lake	TL-08-063	0.25-0.5	20161-073	0.04	bdl	67.46	bdl	0.10	0.29	4.24	0.06	bdl	24.41	nd	bdl	bdl	bdl	96.66	0.53	non-kimberlitic
Trout Lake	TL-08-065	0.25-0.5	20161-074	bdl	bdl	69.67	0.03	0.06	0.94	2.00	0.05	bdl	26.65	nd	bdl	bdl	bdl	99.46	0.57	non-kimberlitic
Trout Lake	TL-08-070	0.25-0.5	20161-075	0.04	bdl	67.14	bdl	0.05	0.34	6.07	0.03	bdl	23.27	nd	bdl	bdl	bdl	97.00	0.95	non-kimberlitic
Trout Lake	TL-08-090	0.25-0.5	20161-146	bdl	bdl	68.56	bdl	0.06	1.39	2.54	0.10	bdl	25.99	nd	bdl	bdl	bdl	98.71	0.96	non-kimberlitic
Trout Lake	TL-08-092	0.25-0.5	20161-147	0.02	bdl	69.45	0.04	0.11	0.42	2.10	0.12	bdl	26.38	nd	bdl	bdl	bdl	98.68	0.88	non-kimberlitic
Trout Lake	TL-08-073	0.25-0.5	20161-148	bdl	bdl	67.24	0.04	bdl	1.11	5.52	0.08	bdl	23.73	nd	bdl	bdl	bdl	97.78	0.95	non-kimberlitic
Trout Lake	TL-08-078	0.25-0.5	20161-149	bdl	0.03	68.43	0.04	0.10	1.42	2.20	0.09	bdl	26.19	nd	bdl	bdl	bdl	98.55	0.70	non-kimberlitic
Trout Lake	TL-08-072	0.25-0.5	20161-150	bdl	bdl	64.67	bdl	bdl	2.12	13.96	0.08	bdl	18.22	nd	bdl	bdl	bdl	99.13	0.70	non-kimberlitic
Trout Lake	TL-08-072	0.25-0.5	20161-151	0.02	bdl	64.87	bdl	bdl	2.19	14.12	0.09	bdl	18.25	nd	bdl	bdl	bdl	99.61	0.96	non-kimberlitic
Trout Lake	TL-08-081	0.25-0.5	20161-153	0.02	0.09	69.36	0.04	0.05	0.78	2.03	0.07	bdl	26.58	nd	bdl	bdl	bdl	99.06	0.78	non-kimberlitic
Trout Lake	TL-08-079	0.25-0.5	20161-155	bdl	bdl	66.54	bdl	bdl	0.63	10.27	0.30	bdl	20.53	nd	bdl	bdl	bdl	98.35	0.89	non-kimberlitic
Trout Lake	TL-08-115	0.25-0.5	20161-157	bdl	0.03	68.69	0.04	0.03	1.12	3.36	0.05	bdl	25.57	nd	bdl	bdl	bdl	98.94	0.97	non-kimberlitic
Trout Lake	TL-08-132	0.25-0.5	20161-160	bdl	bdl	68.13	0.02	0.09	1.74	1.57	0.02	bdl	26.51	nd	bdl	bdl	bdl	98.13	0.83	non-kimberlitic
Trout Lake	TL-08-117	0.25-0.5	20161-161	bdl	bdl	65.95	bdl	bdl	2.15	7.99	0.55	bdl	21.82	nd	bdl	bdl	bdl	98.54	0.96	non-kimberlitic
Trout Lake	TL-08-117	0.25-0.5	20161-162	bdl	0.02	69.19	bdl	0.03	0.71	2.12	0.05	bdl	26.34	nd	bdl	bdl	bdl	98.52	0.95	non-kimberlitic
Trout Lake	TL-08-119	0.25-0.5	20161-163	0.02	bdl	69.26	0.04	0.03	0.47	2.62	0.09	bdl	26.02	nd	bdl	bdl	bdl	98.61	0.96	non-kimberlitic
Trout Lake	TL-08-119	0.25-0.5	20161-164	0.03	0.13	69.63	0.05	bdl	0.28	1.78	bdl	bdl	26.78	nd	bdl	bdl	bdl	98.74	0.94	non-kimberlitic
Trout Lake	TL-08-119	0.25-0.5	20161-165	bdl	bdl	68.78	0.04	bdl	0.86	2.73	0.04	bdl	25.86	nd	bdl	bdl	bdl	98.39	0.97	non-kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20162-064	bdl	0.40	15.63	0.18	40.59	6.86	32.25	1.10	0.05	0.38	nd	bdl	bdl	bdl	97.48	0.02	kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20162-065	bdl	0.48	18.79	0.23	40.83	8.28	21.78	0.34	0.09	8.43	nd	bdl	bdl	bdl	99.29	0.41	kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20162-066	bdl	0.16	4.66	0.10	50.44	12.91	23.84	0.67	0.07	4.87	nd	bdl	bdl	bdl	97.76	0.27	kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20162-067	bdl	0.36	18.36	0.13	44.01	5.09	22.48	0.34	0.08	7.76	nd	bdl	bdl	bdl	98.65	0.38	kimberlitic
Trout Lake	TL-08-204	0.25-0.5	20162-068	bdl	0.57	18.56	0.20	39.30	10.59	19.12	0.28	0.14	10.10	nd	bdl	bdl	bdl	98.90	0.49	kimberlitic

Table C.1 Peridotitic garnet LA-ICP-MS secondary standards results

Date	Analysis No.	Ti	Ni	Sr	Y	Zr	Nb	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf
PHN3571-B																							
26/10/2015	PHN3571-B - 01	4032	74.5	0.323	37.05	44.77	0.0373	bdl	0.0127	0.1429	0.067	0.848	1.013	0.602	2.945	0.692	5.95	1.420	4.49	0.622	4.33	0.620	0.989
26/10/2015	PHN3571-B - 02	3983	70.1	0.299	36.68	44.34	0.0324	bdl	0.0116	0.1436	0.066	0.848	1.040	0.595	2.964	0.703	5.78	1.430	4.49	0.630	4.50	0.637	1.050
26/10/2015	PHN3571-B - 03	3934	71.3	0.315	36.88	44.23	0.0360	bdl	0.0116	0.1427	0.066	0.850	1.037	0.605	2.910	0.685	5.80	1.440	4.46	0.619	4.27	0.607	0.980
26/10/2015	PHN3571-B - 04	4051	76.0	0.323	36.48	44.43	0.0366	bdl	0.0096	0.1441	0.067	0.797	1.038	0.602	2.950	0.680	5.89	1.425	4.45	0.639	4.23	0.616	0.952
26/10/2015	PHN3571-B - 05	4138	77.3	0.313	35.83	43.12	0.0390	bdl	0.0117	0.1562	0.066	0.830	0.973	0.599	2.690	0.686	5.79	1.366	4.36	0.619	4.20	0.595	0.948
07/09/2016	PHN3571-B - 01	3659	71.4	0.324	37.94	44.98	0.0399	bdl	0.0119	0.1454	0.070	0.838	1.029	0.605	2.984	0.741	6.10	1.501	4.64	0.672	4.53	0.670	1.054
07/09/2016	PHN3571-B - 02	3701	71.3	0.329	36.56	43.46	0.0331	bdl	0.0098	0.1406	0.066	0.804	0.986	0.581	2.869	0.678	5.69	1.410	4.38	0.631	4.25	0.610	0.979
07/09/2016	PHN3571-B - 03	3783	72.9	0.318	36.16	43.15	0.0367	bdl	0.0104	0.1500	0.063	0.795	0.996	0.589	2.810	0.692	5.67	1.385	4.32	0.619	4.19	0.619	0.985
07/09/2016	PHN3571-B - 04	3749	75.4	0.315	37.02	44.09	0.0384	bdl	0.0116	0.1590	0.070	0.850	1.054	0.603	2.992	0.703	6.01	1.459	4.61	0.670	4.53	0.648	1.023
07/09/2016	PHN3571-B - 05	3717	73.7	0.297	36.59	43.84	0.0359	bdl	0.0107	0.1529	0.063	0.816	1.009	0.597	2.861	0.724	5.88	1.445	4.53	0.641	4.25	0.615	0.979
07/09/2016	PHN3571-B - 06	3751	74.7	0.298	36.40	43.51	0.0337	bdl	0.0123	0.1474	0.066	0.826	1.010	0.597	2.828	0.704	5.80	1.449	4.51	0.645	4.36	0.633	1.014
07/09/2016	PHN3571-B - 01	3654	73.4	0.330	38.42	45.33	0.0375	bdl	0.0120	0.1405	0.068	0.842	1.058	0.608	2.963	0.743	6.10	1.508	4.72	0.670	4.45	0.641	1.061
07/09/2016	PHN3571-B - 02	3672	72.2	0.298	37.04	43.59	0.0360	bdl	0.0111	0.1462	0.064	0.858	1.003	0.605	2.825	0.716	5.90	1.442	4.46	0.649	4.37	0.627	1.017
07/09/2016	PHN3571-B - 03	3709	73.0	0.307	36.89	43.78	0.0365	bdl	0.0121	0.1499	0.066	0.845	1.013	0.601	2.886	0.707	5.96	1.450	4.53	0.643	4.43	0.631	1.009
07/09/2016	PHN3571-B - 04	3709	73.0	0.307	36.89	43.78	0.0365	bdl	0.0121	0.1499	0.066	0.845	1.013	0.601	2.886	0.707	5.96	1.450	4.53	0.643	4.43	0.631	1.009
16/09/2016	PHN3571-B - 01	3698	70.5	0.340	36.80	43.49	0.0395	bdl	0.0125	0.1690	0.070	0.817	1.038	0.599	2.867	0.702	5.81	1.411	4.44	0.638	4.31	0.624	0.993
16/09/2016	PHN3571-B - 02	3716	70.0	0.312	36.18	43.12	0.0345	bdl	0.0101	0.1403	0.066	0.784	1.037	0.588	2.818	0.694	5.80	1.412	4.34	0.630	4.32	0.605	0.991
16/09/2016	PHN3571-B - 03	3774	71.5	0.310	35.96	42.77	0.0373	bdl	0.0107	0.1472	0.065	0.855	1.010	0.609	2.833	0.703	5.77	1.417	4.37	0.634	4.37	0.603	0.955
16/09/2016	PHN3571-B - 04	3708	69.3	0.303	36.03	42.83	0.0401	bdl	0.0131	0.1449	0.064	0.836	0.998	0.590	2.861	0.682	5.71	1.393	4.33	0.606	4.27	0.601	0.942
16/09/2016	PHN3571-B - 05	3858	73.2	0.296	34.27	41.25	0.0372	bdl	0.0100	0.1527	0.064	0.791	0.937	0.578	2.749	0.639	5.37	1.300	4.16	0.592	4.05	0.589	0.899
Descriptive Statistics																							
	max	*4138*	*77.3*	*0.340*	*38.42*	*45.33*	*0.0401*	*n/a*	*0.0131*	*0.1690*	*0.070*	*0.858*	*1.058*	*0.609*	*2.992*	*0.743*	*6.10*	*1.508*	*4.72*	*0.672*	*4.53*	*0.670*	*1.061*
	min	*3654*	*69.3*	*0.296*	*34.27*	*41.25*	*0.0324*	*n/a*	*0.0096*	*0.1403*	*0.063*	*0.784*	*0.937*	*0.578*	*2.690*	*0.639*	*5.37*	*1.300*	*4.16*	*0.592*	*4.05*	*0.589*	*0.899*
	mean	*3800*	*72.7*	*0.313*	*36.60*	*43.69*	*0.0367*	*n/a*	*0.0114*	*0.1483*	*0.066*	*0.829*	*1.015*	*0.598*	*2.875*	*0.699*	*5.84*	*1.426*	*4.46*	*0.636*	*4.33*	*0.621*	*0.991*
	median	*3733*	*73.0*	*0.312*	*36.64*	*43.69*	*0.0367*	*n/a*	*0.0116*	*0.1467*	*0.066*	*0.837*	*1.013*	*0.600*	*2.868*	*0.703*	*5.81*	*1.428*	*4.46*	*0.636*	*4.32*	*0.620*	*0.990*

	std dev (1σ)	*147*	*2.1*	*0.013*	*0.83*	*0.91*	*0.0021*	*n/a*	*0.0010*	*0.0071*	*0.002*	*0.024*	*0.029*	*0.009*	*0.079*	*0.023*	*0.16*	*0.045*	*0.13*	*0.021*	*0.12*	*0.020*	*0.041*
	std dev (2σ)	*293*	*4.3*	*0.025*	*1.66*	*1.81*	*0.0043*	*n/a*	*0.0020*	*0.0143*	*0.004*	*0.047*	*0.058*	*0.017*	*0.157*	*0.046*	*0.33*	*0.091*	*0.25*	*0.041*	*0.25*	*0.039*	*0.081*
	RSD (1σ)	*3.9%*	*2.9%*	*4.0%*	*2.3%*	*2.1%*	*5.8%*	*n/a*	*9.0%*	*4.8%*	*3.2%*	*2.8%*	*2.8%*	*1.4%*	*2.7%*	*3.3%*	*2.8%*	*3.2%*	*2.8%*	*3.2%*	*2.9%*	*3.1%*	*4.1%*
	RSD (2σ)	*7.7%*	*5.9%*	*8.0%*	*4.5%*	*4.1%*	*11.6%*	*n/a*	*18.0%*	*9.6%*	*6.3%*	*5.7%*	*5.7%*	*2.9%*	*5.5%*	*6.6%*	*5.7%*	*6.4%*	*5.7%*	*6.5%*	*5.7%*	*6.3%*	*8.2%*
	range	*484*	*8.0*	*0.044*	*4.15*	*4.08*	*0.0077*	*n/a*	*0.0035*	*0.0287*	*0.007*	*0.074*	*0.121*	*0.031*	*0.302*	*0.104*	*0.73*	*0.208*	*0.56*	*0.080*	*0.48*	*0.081*	*0.162*
	count	*20*	*20*	*20*	*20*	*20*	*20*	*0*	*20*	*20*	*20*	*20*	*20*	*20*	*20*	*20*	*20*	*20*	*20*	*20*	*20*	*20*	*20*
Simon Jackson GSC reference values																						
accepted mean value		3262	73.92	0.307	37.73	44.14	0.0372	0.001	0.0133	0.1505	0.0642	0.843	0.979	0.594	3.014	0.692	5.880	1.410	4.540	0.641	4.270	0.609	0.954
std dev (2σ; 95 % CI)		229	6.66	0.024	2.38	2.84	0.0058	0.0054	0.0026	0.0124	0.0060	0.066	0.076	0.040	0.200	0.044	0.360	0.088	0.300	0.042	0.280	0.040	0.072
RSD (1σ)		5.4%	4.6%	3.4%	1.4%	12.8 %	11.2%	138.0%	12.4%	8.8%	8.3%	13.4%	5.7%	7.4%	4.0%	1.9%	2.2%	2.3%	2.6%	2.6%	3.1%	2.8%	13.1 %
PHN3571-C																						
30/09/2015	PHN3571-C - 01	3458	83.7	0.307	36.17	32.37	0.0327	bdl	0.0083	0.1249	0.058	0.677	0.868	0.508	2.470	0.625	5.35	1.360	4.39	0.606	4.33	0.594	0.748
30/09/2015	PHN3571-C - 02	3479	81.8	0.309	35.98	33.06	0.0327	bdl	0.0100	0.1275	0.058	0.655	0.882	0.499	2.533	0.654	5.51	1.382	4.35	0.625	4.44	0.627	0.694
30/09/2015	PHN3571-C - 03	3496	82.4	0.317	36.15	33.28	0.0329	bdl	0.0103	0.1250	0.053	0.660	0.836	0.513	2.630	0.640	5.51	1.334	4.37	0.623	4.23	0.615	0.712
30/09/2015	PHN3571-C - 04	3544	82.2	0.294	35.98	33.00	0.0374	bdl	0.0093	0.1440	0.058	0.672	0.871	0.538	2.490	0.641	5.54	1.376	4.40	0.605	4.29	0.586	0.694
30/09/2015	PHN3571-C - 05	3522	80.5	0.315	35.35	32.40	0.0340	bdl	0.0094	0.1220	0.054	0.643	0.809	0.507	2.580	0.635	5.41	1.369	4.35	0.623	4.38	0.613	0.688
01/10/2015	PHN3571-C - 01	3869	77.5	0.315	35.68	32.11	0.0371	bdl	0.0094	0.1615	0.063	0.679	0.948	0.500	2.780	0.654	5.74	1.390	4.36	0.596	4.11	0.590	0.901
01/10/2015	PHN3571-C - 02	3822	77.9	0.313	35.65	32.20	0.0406	bdl	0.0124	0.1500	0.065	0.624	0.940	0.574	2.690	0.653	5.48	1.313	4.39	0.616	4.05	0.577	0.845
01/10/2015	PHN3571-C - 03	3755	80.6	0.317	34.50	35.86	0.0398	bdl	0.0096	0.1600	0.062	0.639	0.930	0.500	2.740	0.641	5.71	1.399	4.30	0.601	4.07	0.597	0.915
01/10/2015	PHN3571-C - 04	3546	80.8	0.285	36.27	36.92	0.0390	bdl	0.0103	0.1260	0.045	0.652	0.896	0.543	2.630	0.669	5.70	1.404	4.38	0.617	4.33	0.612	0.821
01/10/2015	PHN3571-C - 05	3566	80.0	0.315	36.40	37.04	0.0405	bdl	0.0093	0.1160	0.051	0.665	0.925	0.521	2.610	0.679	5.72	1.398	4.47	0.614	4.28	0.607	0.807
01/10/2015	PHN3571-C - 06	3591	82.9	0.293	35.48	35.90	0.0291	bdl	0.0076	0.1320	0.049	0.602	0.809	0.502	2.510	0.659	5.58	1.321	4.39	0.616	4.16	0.581	0.835
01/10/2015	PHN3571-C - 07	3658	81.9	0.318	35.70	36.36	0.0421	bdl	0.0109	0.1260	0.047	0.669	0.884	0.546	2.510	0.679	5.55	1.414	4.37	0.632	4.24	0.584	0.824
02/10/2015	PHN3571-C - 01	3677	81.4	0.303	37.80	37.34	0.0362	bdl	0.0106	0.1114	0.054	0.633	0.904	0.548	2.792	0.677	5.78	1.432	4.50	0.657	4.48	0.623	0.786
02/10/2015	PHN3571-C - 02	3703	78.6	0.307	37.43	37.54	0.0381	bdl	0.0092	0.1176	0.055	0.656	0.873	0.543	2.743	0.683	5.76	1.426	4.42	0.630	4.51	0.632	0.818
02/10/2015	PHN3571-C - 03	3646	82.2	0.307	36.29	36.86	0.0357	bdl	0.0102	0.1270	0.055	0.678	0.905	0.513	2.630	0.677	5.71	1.399	4.38	0.636	4.23	0.624	0.803

02/10/2015	PHN3571-C - 04	3667	81.7	0.316	35.58	36.19	0.0408	bdl	0.0120	0.1335	0.054	0.616	0.856	0.506	2.619	0.655	5.66	1.389	4.35	0.636	4.46	0.611	0.814
02/10/2015	PHN3571-C - 05	3811	77.9	0.317	35.49	32.05	0.0402	bdl	0.0122	0.1540	0.069	0.611	0.949	0.577	2.740	0.656	5.60	1.332	4.38	0.617	4.21	0.587	0.930
02/10/2015	PHN3571-C - 06	3833	76.1	0.314	35.42	32.57	0.0405	bdl	0.0112	0.1547	0.063	0.602	0.926	0.571	2.730	0.660	5.50	1.350	4.37	0.615	4.07	0.598	0.935
02/10/2015	PHN3571-C - 07	3847	77.2	0.308	34.97	32.04	0.0421	0.0084	0.0117	0.1568	0.068	0.650	0.949	0.570	2.790	0.653	5.51	1.332	4.37	0.591	4.15	0.582	0.973
02/10/2015	PHN3571-C - 08	3952	77.8	0.319	34.87	32.05	0.0393	bdl	0.0117	0.1518	0.068	0.617	0.906	0.578	2.790	0.651	5.48	1.330	4.33	0.597	4.21	0.581	0.930
05/10/2015	PHN3571-C - 01	3759	81.4	0.315	35.76	37.53	0.0328	bdl	0.0103	0.1287	0.053	0.682	0.871	0.537	2.740	0.686	5.59	1.344	4.37	0.600	4.28	0.601	0.813
05/10/2015	PHN3571-C - 02	3952	78.8	0.312	35.29	32.94	0.0411	bdl	0.0083	0.1480	0.064	0.623	0.937	0.577	2.860	0.637	5.59	1.326	4.38	0.613	4.15	0.560	0.960
05/10/2015	PHN3571-C - 03	3979	77.6	0.312	35.51	37.47	0.0354	bdl	0.0112	0.1494	0.062	0.641	0.948	0.574	2.740	0.688	5.65	1.362	4.38	0.596	4.27	0.576	0.964
05/10/2015	PHN3571-C - 04	3999	78.7	0.292	35.10	37.53	0.0345	bdl	0.0136	0.1420	0.055	0.664	0.916	0.572	2.690	0.664	5.61	1.347	4.34	0.611	4.26	0.582	0.981
05/10/2015	PHN3571-C - 05	3878	75.6	0.308	35.41	32.33	0.0390	bdl	0.0089	0.1360	0.065	0.617	0.940	0.577	2.810	0.668	5.62	1.341	4.31	0.636	4.18	0.577	0.970
05/10/2015	PHN3571-C - 06	3522	79.8	0.319	35.35	35.10	0.0388	0.1490	0.0122	0.1180	0.051	0.626	0.818	0.534	2.740	0.665	5.47	1.370	4.35	0.617	4.30	0.595	0.756
05/10/2015	PHN3571-C - 07	3823	77.9	0.311	35.54	35.61	0.0395	bdl	0.0102	0.1390	0.058	0.609	0.924	0.576	2.650	0.679	5.69	1.389	4.35	0.614	4.27	0.595	0.894
05/10/2015	PHN3571-C - 08	3898	79.7	0.312	34.76	36.71	0.0462	bdl	0.0108	0.1550	0.063	0.613	0.944	0.570	2.750	0.662	5.59	1.342	4.36	0.596	4.04	0.585	0.916
05/10/2015	PHN3571-C - 09	3971	80.7	0.315	34.79	32.24	0.0416	bdl	0.0138	0.1600	0.061	0.675	0.932	0.570	2.720	0.657	5.37	1.317	4.32	0.614	4.26	0.561	0.997
05/10/2015	PHN3571-C - 10	3969	79.0	0.319	35.53	32.75	0.0435	bdl	0.0117	0.1560	0.065	0.615	0.904	0.577	2.790	0.654	5.72	1.326	4.31	0.604	4.20	0.581	0.976
05/10/2015	PHN3571-C - 11	3945	78.3	0.314	34.72	32.40	0.0454	bdl	0.0119	0.1710	0.061	0.611	0.944	0.579	2.730	0.666	5.45	1.318	4.35	0.618	4.00	0.570	0.924
07/10/2015	PHN3571-C - 01	3959	81.6	0.308	35.92	36.07	0.0389	bdl	0.0112	0.1538	0.067	0.609	0.942	0.572	2.680	0.651	5.38	1.384	4.40	0.606	4.03	0.573	0.905
07/10/2015	PHN3571-C - 02	3904	82.0	0.314	35.50	35.50	0.0398	bdl	0.0116	0.1538	0.068	0.626	0.940	0.578	2.688	0.641	5.30	1.384	4.35	0.618	4.07	0.570	0.896
07/10/2015	PHN3571-C - 03	3912	81.5	0.301	35.09	32.10	0.0424	bdl	0.0115	0.1553	0.064	0.602	0.941	0.568	2.730	0.667	5.49	1.320	4.36	0.593	4.17	0.595	0.938
07/10/2015	PHN3571-C - 04	3990	81.4	0.318	35.37	35.91	0.0370	bdl	0.0142	0.1440	0.062	0.604	0.876	0.565	2.690	0.624	5.35	1.377	4.38	0.613	4.08	0.560	0.915
07/10/2015	PHN3571-C - 05	3974	79.7	0.289	35.71	35.63	0.0427	0.0072	0.0107	0.1490	0.060	0.680	0.914	0.563	2.760	0.650	5.35	1.389	4.35	0.599	4.03	0.564	0.925
08/10/2015	PHN3571-C - 01	3565	81.4	0.319	37.43	34.17	0.0463	0.0410	0.0140	0.1530	0.062	0.637	0.912	0.544	2.590	0.668	5.72	1.441	4.53	0.637	4.50	0.625	0.696
08/10/2015	PHN3571-C - 02	3575	83.2	0.318	35.68	33.09	0.0427	bdl	0.0146	0.1470	0.064	0.658	0.859	0.537	2.580	0.652	5.67	1.348	4.36	0.623	4.30	0.628	0.667
08/10/2015	PHN3571-C - 03	3535	83.4	0.309	35.46	32.48	0.0458	bdl	0.0142	0.1244	0.061	0.680	0.834	0.514	2.511	0.627	5.49	1.364	4.32	0.619	4.36	0.606	0.675
08/10/2015	PHN3571-C - 04	3515	82.7	0.299	36.70	33.06	0.0422	bdl	0.0132	0.1270	0.053	0.650	0.834	0.522	2.510	0.643	5.54	1.379	4.39	0.628	4.33	0.632	0.720
08/10/2015	PHN3571-C - 05	3573	82.8	0.302	35.81	32.69	0.0445	bdl	0.0108	0.1400	0.061	0.652	0.832	0.513	2.490	0.635	5.53	1.354	4.42	0.636	4.37	0.611	0.697
08/10/2015	PHN3571-C - 06	3500	82.2	0.297	35.58	32.67	0.0421	bdl	0.0134	0.1420	0.061	0.641	0.838	0.497	2.560	0.622	5.49	1.384	4.31	0.613	4.35	0.602	0.716
08/10/2015	PHN3571-C - 07	3534	82.3	0.307	35.77	33.25	0.0400	0.0290	0.0141	0.1320	0.055	0.675	0.878	0.521	2.630	0.634	5.57	1.396	4.52	0.633	4.22	0.600	0.672

08/10/2015	PHN3571-C - 08	3499	82.4	0.301	35.99	32.72	0.0403	bdl	0.0112	0.1296	0.062	0.640	0.879	0.523	2.550	0.623	5.52	1.352	4.41	0.643	4.36	0.601	0.704
08/10/2015	PHN3571-C - 09	3544	83.3	0.308	37.83	34.81	0.0470	bdl	0.0102	0.1440	0.059	0.589	0.843	0.563	2.610	0.685	5.75	1.463	4.76	0.659	4.51	0.650	0.755
Descriptive Statistics																							
	max	*3999*	*83.7*	*0.319*	*37.83*	*37.54*	*0.0470*	*0.149*	*0.0146*	*0.1710*	*0.069*	*0.682*	*0.949*	*0.579*	*2.860*	*0.688*	*5.78*	*1.463*	*4.76*	*0.659*	*4.51*	*0.650*	*0.997*
	min	*3458*	*75.6*	*0.285*	*34.50*	*32.04*	*0.0291*	*0.0072*	*0.0076*	*0.1114*	*0.045*	*0.589*	*0.809*	*0.497*	*2.470*	*0.622*	*5.30*	*1.313*	*4.30*	*0.591*	*4.00*	*0.560*	*0.667*
	mean	*3727*	*80.5*	*0.309*	*35.75*	*34.31*	*0.0396*	*0.04692*	*0.0112*	*0.1404*	*0.059*	*0.640*	*0.895*	*0.544*	*2.662*	*0.655*	*5.56*	*1.368*	*4.38*	*0.618*	*4.25*	*0.596*	*0.833*
	median	*3703*	*81.4*	*0.312*	*35.58*	*33.25*	*0.0400*	*0.029*	*0.0112*	*0.1420*	*0.061*	*0.641*	*0.904*	*0.544*	*2.688*	*0.654*	*5.55*	*1.369*	*4.37*	*0.616*	*4.26*	*0.595*	*0.824*
	std dev (1σ)	*185*	*2.1*	*0.009*	*0.75*	*2.00*	*0.0041*	*0.0588*	*0.0018*	*0.0147*	*0.006*	*0.027*	*0.043*	*0.029*	*0.104*	*0.018*	*0.13*	*0.036*	*0.08*	*0.016*	*0.14*	*0.022*	*0.106*
	std dev (2σ)	*370*	*4.3*	*0.018*	*1.50*	*4.01*	*0.0082*	*0.1176*	*0.0035*	*0.0293*	*0.012*	*0.054*	*0.087*	*0.058*	*0.208*	*0.037*	*0.25*	*0.072*	*0.15*	*0.032*	*0.28*	*0.044*	*0.212*
	RSD (1σ)	*5.0%*	*2.6%*	*2.8%*	*2.1%*	*5.8%*	*10.4%*	*125.4%*	*15.7%*	*10.4%*	*9.8%*	*4.2%*	*4.9%*	*5.3%*	*3.9%*	*2.8%*	*2.3%*	*2.6%*	*1.7%*	*2.6%*	*3.3%*	*3.7%*	*12.7 %*
	RSD (2σ)	*9.9%*	*5.3%*	*5.7%*	*4.2%*	*11.7 %*	*20.7%*	*250.7%*	*31.4%*	*20.9%*	*19.6%*	*8.5%*	*9.7%*	*10.6%*	*7.8%*	*5.6%*	*4.6%*	*5.3%*	*3.5%*	*5.2%*	*6.6%*	*7.3%*	*25.4 %*
	range	*541*	*8.1*	*0.034*	*3.33*	*5.50*	*0.0179*	*0.1418*	*0.0070*	*0.0596*	*0.024*	*0.093*	*0.140*	*0.082*	*0.390*	*0.066*	*0.48*	*0.150*	*0.46*	*0.068*	*0.51*	*0.090*	*0.330*
	count	*45*	*45*	*45*	*45*	*45*	*45*	*5*	*45*	*45*	*45*	*45*	*45*	*45*	*45*	*45*	*45*	*45*	*45*	*45*	*45*	*45*	*45*
Simon Jackson GSC reference values																							
accepted mean value		2936	76.1	0.290	37.80	34.49	0.0338	0.0001	0.0097	0.1213	0.0539	0.624	0.854	0.521	2.740	0.668	5.660	1.407	4.670	0.654	4.390	0.621	0.621
std dev (2σ; 95 % CI)		208	7.0	0.022	2.40	2.22	0.0054	0.0046	0.0022	0.0106	0.0054	0.052	0.068	0.036	0.184	0.042	0.360	0.088	0.300	0.042	0.280	0.040	0.040
RSD (1σ)		3.5%	4.6%	3.8%	3.2%	3.2%	8.0%	2300.0%	11.3%	4.4%	5.0%	4.2%	4.0%	3.5%	3.4%	3.1%	3.2%	3.1%	3.2%	3.2%	3.2%	3.2%	3.2%

Table C.2 Peridotitic garnet LA-ICP-MS results

Locality	Grain No.	Ti	Ni	Sr	Y	Zr	Nb	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	REE_N Pattern
Horn Plateau	17962-007	228	63.4	0.544	1.651	15.73	1.162	bdl	bdl	0.848	0.314	2.71	1.05	0.321	0.793	0.1029	0.441	0.0606	0.139	0.0257	0.24	0.0517	0.295	sinusoidal
Horn Plateau	17962-038	124.9	43.66	1.087	2.935	55.68	1.591	bdl	bdl	1.207	0.548	6.51	3.83	1.228	3.043	0.295	1.059	0.1181	0.198	0.0206	0.185	0.042	0.945	sinusoidal
Horn Plateau	17962-040	2451	75.2	0.391	7.053	26.04	0.408	bdl	bdl	0.313	0.1094	1.035	0.766	0.328	1.242	0.219	1.321	0.262	0.767	0.1032	0.767	0.1265	0.632	HREE-enriched
Horn Plateau	17962-060	773.9	74.47	0.604	3.846	19.64	0.709	bdl	bdl	0.79	0.281	2.544	1.022	0.381	1.225	0.1685	0.878	0.1529	0.363	0.0539	0.444	0.0821	0.462	sinusoidal
Horn Plateau	17963-001	421.9	55.55	0.185	4.731	18.14	0.584	bdl	bdl	1.718	0.402	2.73	0.764	0.189	0.49	0.0648	0.622	0.184	0.703	0.1204	1.09	0.19	0.26	sinusoidal
Horn Plateau	17963-009	123.5	20.98	2.985	0.666	6.63	0.0451	bdl	bdl	2.256	0.473	3.497	1.39	0.255	0.439	0.0324	0.144	0.026	0.078	0.0152	0.172	0.0479	0.165	sinusoidal
Horn Plateau	17963-010	517	50.36	0.389	3.962	52.76	0.477	bdl	bdl	0.686	0.261	2.753	1.906	0.666	1.839	0.205	0.945	0.149	0.402	0.0657	0.596	0.1104	0.957	sinusoidal
Horn Plateau	17963-011	483.8	48.42	0.64	3.571	68.48	0.618	bdl	bdl	0.978	0.399	4.36	2.777	1.066	2.749	0.297	1.129	0.1284	0.284	0.0434	0.359	0.0731	1.192	sinusoidal
Horn Plateau	17963-013	3372	68.27	0.517	22.04	45.58	0.372	bdl	bdl	0.428	0.1611	1.697	1.278	0.643	2.57	0.527	3.93	0.815	2.346	0.31	2.127	0.298	0.857	HREE-enriched
Horn Plateau	17963-028	1530	66.08	0.484	5.763	20.69	0.465	bdl	bdl	0.429	0.1573	1.524	1.002	0.403	1.213	0.1928	1.134	0.213	0.635	0.0955	0.767	0.1255	0.541	HREE-enriched
Horn Plateau	17963-030	3588	66.3	0.689	9.65	39.38	0.573	bdl	bdl	0.667	0.2175	1.906	1.514	0.657	2.251	0.329	2.064	0.381	1.016	0.1408	0.972	0.159	1.124	HREE-enriched
Horn Plateau	17963-036	968.7	55.03	0.813	8.69	41.14	0.697	bdl	bdl	0.9	0.356	3.47	2.042	0.746	2.32	0.331	1.783	0.302	0.821	0.1042	0.709	0.1098	0.721	sinusoidal
Horn Plateau	17963-040	1336	69.4	0.747	2.965	19.22	0.583	bdl	bdl	0.779	0.277	2.714	1.293	0.379	1.009	0.113	0.582	0.1017	0.313	0.0494	0.45	0.0717	0.489	sinusoidal
Horn Plateau	17963-046	3340	91.6	0.589	17.67	36.83	0.44	bdl	bdl	0.396	0.16	1.67	1.197	0.578	1.94	0.389	2.88	0.634	2.06	0.302	2.37	0.367	0.72	HREE-enriched
Horn Plateau	17963-047	261.6	45.7	1.611	1.296	19.59	1.046	bdl	bdl	3.378	0.926	7.22	1.99	0.461	0.881	0.0776	0.314	0.0499	0.149	0.0189	0.164	0.0328	0.366	sinusoidal
Horn Plateau	17963-061	281.3	31.88	0.169	1.058	1.291	0.223	bdl	bdl	0.386	0.0528	0.246	0.091	0.0377	0.115	0.0195	0.143	0.0337	0.15	0.0306	0.32	0.0728	0.0413	MREE-depleted
Horn Plateau	17964-030	3511	64.15	0.53	10.35	45.33	0.461	bdl	0.0434	0.512	0.186	1.725	1.037	0.465	1.65	0.305	2.073	0.415	1.191	0.155	1.18	0.195	1.162	HREE-enriched

Horn Plateau	17964-031	2433	72	0.651	15.8	43.13	0.59	bdl	0.0517	0.663	0.252	2.354	1.537	0.675	2.257	0.429	2.954	0.61	1.792	0.237	1.709	0.272	0.918	HREE-enriched
Horn Plateau	17964-038	1355	57.12	0.975	7.72	36.91	0.574	bdl	0.083	1.11	0.449	4.43	1.945	0.634	1.974	0.264	1.67	0.309	0.777	0.0911	0.655	0.1113	0.993	HREE-enriched
Horn Plateau	17964-040	173.8	23.16	0.389	0.96	6.02	0.121	bdl	0.122	1.439	0.47	3.356	0.804	0.175	0.297	0.0331	0.129	0.0319	0.126	0.0275	0.325	0.075	0.136	sinusoidal
Horn Plateau	17964-042	958.4	49.38	0.84	6.91	55.12	0.531	bdl	0.0594	0.905	0.399	4.22	2.87	0.989	2.7	0.364	1.696	0.273	0.626	0.0802	0.49	0.0768	1.053	HREE-enriched
Horn Plateau	17964-043	1657	54.4	0.442	15.7	42.2	0.393	bdl	0.0282	0.361	0.1464	1.504	1.216	0.573	2.06	0.371	2.611	0.58	1.942	0.3005	2.171	0.345	0.825	HREE-enriched
Horn Plateau	17964-044	1287	50.85	0.324	6.784	79.72	0.241	bdl	0.0261	0.319	0.1177	1.269	1.278	0.695	2.459	0.387	1.953	0.273	0.514	0.0575	0.417	0.0722	1.435	HREE-enriched
Horn Plateau	17964-045	3413	51.47	0.737	26.88	53.22	0.486	bdl	0.0562	0.636	0.237	2.184	1.627	0.819	3.13	0.611	4.69	1.089	3.039	0.372	2.114	0.263	1.256	HREE-enriched
Horn Plateau	17964-046	2180	66.34	0.493	8.4	24.44	0.462	bdl	0.0423	0.496	0.1714	1.583	0.958	0.407	1.538	0.271	1.713	0.308	0.817	0.1007	0.748	0.1211	0.584	HREE-enriched
Horn Plateau	17964-047	999.5	49.76	0.959	6.84	28.41	0.644	bdl	0.0699	1.13	0.496	4.26	1.557	0.524	1.643	0.212	1.272	0.259	0.795	0.121	0.95	0.151	0.603	sinusoidal
Horn Plateau	17964-048	1947	71.1	0.43	3.617	24.66	0.388	bdl	0.0266	0.364	0.1275	1.232	0.682	0.301	1.134	0.177	0.854	0.138	0.352	0.0551	0.494	0.1049	0.597	HREE-enriched
Horn Plateau	17964-050	3220	59.29	0.546	10.74	33.43	0.414	bdl	0.0353	0.405	0.149	1.457	1.146	0.507	1.85	0.333	2.179	0.418	1.161	0.175	1.292	0.212	0.74	HREE-enriched
Horn Plateau	17964-051	140.3	18.03	0.595	2.64	16.3	0.829	bdl	0.202	1.73	0.498	3.63	1.53	0.478	1.14	0.135	0.59	0.076	0.245	0.0503	0.486	0.0973	0.122	sinusoidal
Horn Plateau	17964-052	1900	54.07	0.639	10.7	37.99	0.405	bdl	0.0236	0.372	0.176	2.169	1.493	0.599	2.039	0.332	2.099	0.422	1.14	0.163	1.081	0.17	0.923	HREE-enriched
Horn Plateau	17964-053	2680	54.2	0.744	36.76	135.8	0.422	bdl	0.0716	0.918	0.333	3.41	2.7	1.288	5.07	1.006	7.38	1.518	4.315	0.594	3.9	0.533	2.931	HREE-enriched
Horn Plateau	17964-054	28.28	18.37	0.156	0.508	0.667	0.118	bdl	0.0298	0.536	0.235	1.699	0.225	0.0581	0.138	0.0235	0.099	0.0192	0.084	0.0215	0.28	0.0662	0.0095	sinusoidal
Horn Plateau	17964-056	479.7	32.34	0.069	4.285	2.175	0.0957	bdl	0.0353	0.231	0.0783	0.813	0.424	0.131	0.354	0.068	0.59	0.152	0.559	0.0849	0.845	0.159	0.061	HREE-enriched
Horn Plateau	17964-057	3808	68.12	0.526	5.609	46.43	0.436	bdl	0.0422	0.477	0.1638	1.682	1.09	0.384	1.243	0.204	1.158	0.223	0.653	0.0926	0.673	0.114	1.427	HREE-enriched
Horn Plateau	17964-063	29.8	11	0.039	0.46	0.818	0.128	bdl	0.0281	0.374	0.1127	0.731	0.148	0.0274	0.101	0.009	0.069	0.0126	0.067	0.0143	0.2	0.0442	0.0284	sinusoidal
Horn Plateau	17964-064	1749	89.4	0.509	12.26	21.86	0.398	bdl	0.0369	0.41	0.163	1.69	0.819	0.286	1.08	0.205	1.79	0.454	1.653	0.286	2.03	0.317	0.594	HREE-enriched

Horn Plateau	17964-065	161.9	37.61	0.894	5.05	4.46	0.21	bdl	0.324	0.72	0.147	0.858	0.347	0.136	0.493	0.112	0.88	0.189	0.649	0.0777	0.695	0.143	0.159	sinusoidal
Horn Plateau	17964-068	1715	79.8	0.435	3.588	27.79	0.608	bdl	0.0566	0.538	0.1698	1.604	0.923	0.405	1.19	0.17	0.79	0.1265	0.359	0.0576	0.541	0.1044	0.552	HREE-enriched
Horn Plateau	17964-069	2313	64.3	0.368	14.68	28.64	0.34	bdl	0.0212	0.313	0.1264	1.155	0.88	0.387	1.577	0.309	2.33	0.549	1.709	0.252	1.897	0.305	0.698	HREE-enriched
Horn Plateau	17964-070	3570	72	0.723	14.45	40.08	0.543	bdl	0.0579	0.652	0.219	1.939	1.189	0.566	2.06	0.411	2.87	0.568	1.457	0.192	1.182	0.161	0.925	HREE-enriched
Horn Plateau	17964-084	401.1	47.65	1.808	0.845	20.84	0.766	bdl	0.392	3.202	1.312	8.92	1.149	0.26	0.477	0.0496	0.177	0.0261	0.101	0.0207	0.255	0.0667	0.369	sinusoidal
Horn Plateau	17964-085	725.3	33.14	1.549	8.58	58.18	1.298	bdl	0.205	2.436	0.923	9.69	5.33	1.754	4.33	0.497	2.173	0.329	0.673	0.085	0.712	0.1087	0.996	HREE-enriched
Horn Plateau	17964-087	502.7	20.85	0.0696	3.132	15.74	0.159	bdl	0.077	0.696	0.185	1.192	0.436	0.125	0.465	0.083	0.539	0.1076	0.37	0.0587	0.527	0.1035	0.35	sinusoidal
Horn Plateau	17964-104	437	58.8	1.9	1.923	44.82	1.251	bdl	0.67	2.358	0.652	5.58	2.63	0.781	1.67	0.151	0.561	0.069	0.17	0.0203	0.227	0.0411	0.811	sinusoidal
Horn Plateau	17964-106	3408	74.9	0.853	21	127.7	0.614	bdl	0.0738	0.941	0.358	3.76	2.56	1.174	3.87	0.655	4.04	0.82	2.156	0.292	1.97	0.301	2.51	HREE-enriched
Horn Plateau	17964-108	408.2	100.6	0.313	2.124	6.83	0.607	bdl	0.0406	0.454	0.175	1.43	0.186	0.0454	0.115	0.0299	0.201	0.073	0.317	0.0601	0.63	0.109	0.171	HREE-enriched
Horn Plateau	17964-109	548.9	65.35	0.534	1.618	3.188	0.586	bdl	0.0611	0.726	0.253	1.928	0.37	0.088	0.218	0.0339	0.23	0.056	0.219	0.0388	0.347	0.066	0.077	HREE-enriched
Horn Plateau	17964-110	2543	64.76	0.67	11.35	45.45	0.534	bdl	0.0428	0.565	0.196	1.707	1.248	0.626	2.33	0.42	2.57	0.427	1.001	0.1154	0.809	0.1296	1.066	HREE-enriched
Horn Plateau	17964-111	2197	74.8	0.653	7.29	37.34	0.57	bdl	0.0522	0.631	0.211	1.96	1.47	0.596	1.98	0.275	1.502	0.284	0.745	0.1077	0.825	0.147	0.922	HREE-enriched
Horn Plateau	17964-112	1947	69.7	0.459	6.154	26.28	0.475	bdl	0.0579	0.485	0.1554	1.436	0.948	0.393	1.342	0.218	1.212	0.224	0.592	0.0743	0.636	0.0996	0.569	HREE-enriched
Horn Plateau	17964-113	1898	65.2	0.459	4.588	26.54	0.364	bdl	0.0282	0.347	0.1334	1.243	0.88	0.387	1.299	0.193	0.982	0.171	0.474	0.0731	0.604	0.0906	0.595	HREE-enriched
Horn Plateau	17964-121	2457	57.1	0.528	26.69	83.64	0.586	bdl	0.036	0.512	0.179	2.14	1.67	0.915	3.5	0.73	5.09	1.005	2.76	0.378	2.69	0.377	2	HREE-enriched
Horn Plateau	17964-124	1294	91.7	0.434	5.399	17.42	0.583	bdl	0.0534	0.567	0.167	1.521	0.868	0.334	1.165	0.182	1.126	0.202	0.518	0.0751	0.657	0.118	0.419	HREE-enriched
Horn Plateau	17964-125	1204	59.57	0.548	4.94	33.27	0.448	bdl	0.0326	0.502	0.208	2.163	1.463	0.581	1.603	0.213	1.036	0.166	0.498	0.0725	0.671	0.1117	0.526	HREE-enriched
Horn Plateau	17964-126	1279	48.51	0.836	7.036	29.51	0.594	bdl	0.0696	0.938	0.39	3.99	1.92	0.652	1.897	0.242	1.41	0.278	0.858	0.132	0.987	0.181	0.71	HREE-enriched

Horn Plateau	17964-128	2635	52.52	0.542	6.3	34.76	0.326	bdl	0.0409	0.455	0.173	1.675	1.217	0.569	1.845	0.293	1.43	0.219	0.546	0.0702	0.61	0.1203	0.617	HREE-enriched
Horn Plateau	17964-129	2623	43.85	1.702	18.63	57.43	1.392	bdl	0.172	1.879	0.711	6.87	3.76	1.372	4.42	0.658	4.02	0.736	1.919	0.274	1.97	0.346	1.069	HREE-enriched
Horn Plateau	17964-132	2531	58.2	0.472	16.86	40.13	0.377	bdl	0.031	0.365	0.1396	1.399	1.099	0.554	2.015	0.392	2.738	0.636	1.999	0.323	2.348	0.39	0.845	HREE-enriched
Horn Plateau	17964-134	1863	31.59	0.18	10.09	11.46	0.112	bdl	0.0275	0.254	0.0805	0.667	0.532	0.241	1.2	0.229	1.85	0.407	1.151	0.168	1.236	0.208	0.44	HREE-enriched
Horn Plateau	17964-135	1007	36.52	0.135	6.95	3.823	0.592	bdl	0.0762	0.427	0.0971	0.644	0.275	0.113	0.479	0.119	0.965	0.257	0.857	0.146	1.209	0.207	0.162	HREE-enriched
Horn Plateau	17964-136	1904	108.2	0.735	5.429	35.8	0.801	bdl	0.0736	0.77	0.271	2.244	1.074	0.41	1.098	0.158	0.988	0.1937	0.604	0.1032	0.842	0.156	0.862	HREE-enriched
Horn Plateau	17964-137	1197	68.6	0.432	1.776	20.64	0.462	bdl	0.0349	0.44	0.155	1.559	0.959	0.41	1.087	0.1149	0.503	0.0606	0.14	0.0223	0.2	0.0423	0.473	sinusoidal
Horn Plateau	17964-138	2329	66.8	0.576	12.73	38.52	0.476	bdl	0.0399	0.456	0.203	2.553	1.296	0.476	1.708	0.312	2.254	0.488	1.401	0.199	1.358	0.213	0.887	HREE-enriched
Horn Plateau	17964-139	20.51	16.89	0.0625	0.205	0.632	0.34	bdl	0.1241	1.255	0.318	1.625	0.17	0.0382	0.061	0.0041	0.0278	0.0071	0.0414	0.0116	0.203	0.0597	0.0076	sinusoidal
Horn Plateau	17964-146	943	77.8	0.438	8.95	60.16	0.476	bdl	0.0439	0.537	0.224	2.39	2.23	0.872	2.71	0.371	2.17	0.359	0.861	0.129	0.936	0.15	1.391	HREE-enriched
Horn Plateau	17965-031	1927	49.13	0.374	5.691	19.93	0.305	bdl	bdl	0.2999	0.1013	0.907	0.574	0.249	0.92	0.1648	1.052	0.2204	0.63	0.0936	0.648	0.1038	0.53	sinusoidal
Horn Plateau	17965-036	162.7	61.8	1.083	3.61	15.2	0.691	bdl	bdl	1.447	0.527	3.91	1.144	0.327	0.815	0.1013	0.504	0.12	0.56	0.141	1.399	0.271	0.351	sinusoidal
Horn Plateau	17965-037	225.9	37.02	0.077	1.11	2.837	0.316	bdl	bdl	0.848	0.2146	1.085	0.148	0.034	0.091	0.0204	0.135	0.0353	0.158	0.0375	0.424	0.0865	0.069	sinusoidal
Horn Plateau	17965-038	133.2	45.07	0.227	1.36	6.1	0.501	bdl	bdl	0.922	0.275	1.82	0.541	0.137	0.313	0.0273	0.172	0.041	0.18	0.043	0.403	0.0734	0.099	HREE-enriched
Horn Plateau	17965-041	580.8	45.1	0.798	11.71	34.58	1.075	bdl	bdl	1.71	0.513	4.4	1.9	0.694	2.08	0.313	2.02	0.432	1.46	0.241	1.7	0.266	0.663	sinusoidal
Horn Plateau	17965-042	261.9	16.26	0.0508	0.908	1.845	0.273	bdl	bdl	0.429	0.134	0.975	0.179	0.0557	0.15	0.0251	0.163	0.0313	0.117	0.0282	0.309	0.0639	0.083	sinusoidal
Horn Plateau	17965-045	1674	74.5	0.46	7.075	25.42	0.501	bdl	bdl	0.499	0.1779	1.513	0.785	0.312	1.036	0.184	1.252	0.261	0.761	0.1105	0.816	0.1159	0.673	HREE-enriched
Horn Plateau	17965-047	2089	66.1	0.499	9.53	31.51	0.419	bdl	bdl	0.552	0.174	1.65	1.061	0.483	1.693	0.307	2.014	0.374	0.884	0.107	0.718	0.1073	0.711	HREE-enriched
Horn Plateau	17965-049	12.46	24.84	1.337	0.15	15.55	0.71	bdl	bdl	5.881	1.24	7.05	1.207	0.254	0.319	0.0236	0.058	0.0052	0.0134	0.0038	0.072	0.0215	0.286	sinusoidal

Horn Plateau	17965-050	43.4	24.63	1.663	1.187	14.67	0.53	bdl	bdl	2.033	0.574	4.47	2.041	0.629	1.405	0.1273	0.404	0.0452	0.083	0.0152	0.214	0.057 7	0.153	sinusoidal
Horn Plateau	17965-051	1902	100.2	0.521	11.95	13.56	0.659	bdl	bdl	0.656	0.194	1.35	0.628	0.259	1	0.212	1.79	0.452	1.53	0.239	1.82	0.275	0.403	HREE-enriched
Horn Plateau	17965-055	3693	58.51	0.465	14.93	42.95	0.462	bdl	bdl	0.353	0.133	1.414	1.12	0.509	1.96	0.404	2.86	0.578	1.71	0.228	1.557	0.229	0.971	HREE-enriched
Horn Plateau	17965-057	104.5	25.68	0.222	2.178	17.18	0.235	bdl	bdl	0.452	0.1516	1.651	1.597	0.51	1.422	0.1531	0.653	0.0868	0.16	0.0133	0.121	0.031 6	0.314	HREE-enriched
Horn Plateau	17965-062	537.6	35.76	0.017 1	8.3	0.995	0.060 3	bdl	bdl	0.011 8	0.0038	0.03	0.066	0.037 9	0.258	0.0965	0.928	0.282	1.071	0.176	1.544	0.251	0.034	HREE-enriched
Horn Plateau	17965-063	55.9	13.52	0.032 2	3.595	18.38	0.038 6	bdl	bdl	0.015 3	0.0146	0.501	1.578	0.786	2.17	0.234	0.992	0.1403	0.388	0.0603	0.585	0.110 5	0.131	HREE-enriched
Horn Plateau	17965-064	3902	77.2	0.903	13.38	37.63	0.571	bdl	bdl	0.744	0.216	1.747	0.994	0.445	1.543	0.314	2.313	0.507	1.629	0.233	1.668	0.256	0.905	sinusoidal
Horn Plateau	17965-068	271.5	89.7	0.216	1.564	3.88	0.773	bdl	bdl	0.875	0.1841	1.245	0.405	0.099 4	0.253	0.0342	0.225	0.0566	0.212	0.0385	0.369	0.073 3	0.102	HREE-enriched
Horn Plateau	17965-069	261.1	40.76	0.28	0.866	8.88	0.555	bdl	bdl	1.129	0.308	2.073	0.571	0.158	0.338	0.0369	0.197	0.0322	0.091	0.0159	0.194	0.043 3	0.176	sinusoidal
Horn Plateau	17965-071	1160	66.6	0.581	2.665	25.39	0.517	bdl	bdl	0.584	0.218	2.052	1.267	0.573	1.569	0.186	0.773	0.1059	0.23	0.0304	0.304	0.076	0.596	HREE-enriched
Horn Plateau	17965-073	1041	62.78	0.49	6.688	64.94	0.527	bdl	bdl	0.504	0.1789	1.834	1.506	0.695	2.396	0.343	1.62	0.264	0.675	0.0915	0.696	0.103 7	1.465	HREE-enriched
Horn Plateau	17965-081	2662	81.7	0.526	9.78	30.68	0.495	bdl	bdl	0.506	0.181	1.744	1.171	0.521	1.785	0.309	1.881	0.375	0.945	0.1239	0.964	0.156	0.679	HREE-enriched
Horn Plateau	17965-082	582.4	33.29	0.452	1.009	8.43	0.342	bdl	bdl	0.385	0.1336	1.065	0.332	0.109 1	0.311	0.0472	0.246	0.0389	0.107	0.0143	0.137	0.028 8	0.21	sinusoidal
Horn Plateau	17965-083	15.5	69	2.686	0.112	0.303	0.589	bdl	bdl	3.304	0.414	1.17	0.04	0.003 9	0	0	bdl	0.0019	0.03	0.0138	0.303	0.097	bdl	MREE-depleted
Horn Plateau	17965-084	587.2	32.92	0.107	4.153	10.24	0.14	bdl	bdl	0.414	0.122	1.24	0.809	0.269	0.8	0.127	0.768	0.148	0.44	0.0677	0.561	0.090 4	0.282	HREE-enriched
Horn Plateau	17965-085	178.7	32.33	2.232	4.822	4.33	0.514	bdl	bdl	9.45	2.282	10.59	0.867	0.179	0.546	0.0975	0.771	0.178	0.566	0.0832	0.696	0.121	0.115	sinusoidal
Horn Plateau	17965-090	31.3	36.32	4.371	0.569	13	0.412	bdl	bdl	5.81	1.674	10.54	1.84	0.441	0.739	0.0551	0.165	0.0214	0.055	0.0056	0.172	0.052 8	0.239	sinusoidal
Horn Plateau	17965-091	593.6	55.66	0.806	1.369	11.03	0.581	bdl	bdl	1.067	0.463	4.57	1.286	0.301	0.682	0.0636	0.29	0.0473	0.141	0.0246	0.294	0.055 2	0.26	sinusoidal
Horn Plateau	17966-007	1191	63.35	0.56	2.516	16.96	0.53	bdl	0.0446	0.517	0.1963	2.174	1.024	0.334	0.906	0.1097	0.567	0.0902	0.287	0.0506	0.509	0.109 4	0.441	HREE-enriched

Horn Plateau	17966-008	815.5	72.17	0.486	2.157	22.15	0.584	bdl	0.044	0.526	0.1905	1.972	1.231	0.391	1.116	0.1174	0.522	0.0823	0.208	0.0289	0.264	0.0487	0.453	sinusoidal
Horn Plateau	17966-010	105.2	31.54	3.273	0.643	5.56	0.585	bdl	0.523	3.858	0.786	3.97	0.702	0.178	0.391	0.0308	0.135	0.0203	0.087	0.0269	0.35	0.087	0.072	sinusoidal
Horn Plateau	17966-011	2415	63.29	0.479	13.12	26.35	0.382	bdl	0.0349	0.393	0.1386	1.395	0.895	0.385	1.407	0.2976	2.274	0.499	1.481	0.2025	1.433	0.2117	0.705	HREE-enriched
Horn Plateau	17966-012	18.42	15.41	1.278	0.301	1.157	0.1249	bdl	1.285	3.154	0.1562	0.445	0.072	0.0261	0.075	0.0107	0.051	0.0096	0.0323	0.0104	0.152	0.0471	0.0308	MREE-depleted
Horn Plateau	17966-013	1312.5	66.19	0.56	5.066	18.24	0.594	bdl	0.0805	0.915	0.3226	2.759	1.218	0.431	1.485	0.2187	1.178	0.187	0.438	0.0547	0.396	0.0686	0.438	sinusoidal
Horn Plateau	17966-014	67.1	16.31	5.76	34.52	14.93	0.292	bdl	0.1349	2.291	0.88	7.12	3.46	1.341	4.17	0.775	5.27	1.016	2.857	0.428	3.14	0.535	0.093	HREE-enriched
Horn Plateau	17966-015	228.3	38.28	0.1302	1.609	9.53	0.413	bdl	0.0257	0.281	0.0819	0.636	0.267	0.0903	0.203	0.0331	0.223	0.0525	0.196	0.0397	0.416	0.0812	0.086	HREE-enriched
Horn Plateau	17966-016	1535	60.6	0.371	11.85	20.66	0.379	bdl	0.026	0.279	0.1216	1.371	0.741	0.318	1.388	0.282	2.102	0.443	1.254	0.171	1.212	0.1753	0.377	HREE-enriched
Horn Plateau	17966-019	1426.5	65.54	0.943	11.34	37.89	0.555	bdl	0.0498	0.665	0.3264	4.1	2.635	0.891	2.851	0.425	2.413	0.418	1.068	0.1343	0.931	0.1509	0.881	HREE-enriched
Horn Plateau	17966-023	4065	73.27	0.494	17.94	43.35	0.449	bdl	0.0369	0.411	0.1429	1.347	0.945	0.435	1.805	0.4	3.107	0.693	2.04	0.304	2.105	0.314	1.101	HREE-enriched
Horn Plateau	17966-025	2026	54.19	0.655	6.051	129.71	0.563	bdl	0.0408	0.513	0.2155	2.463	2.056	0.884	3.022	0.404	1.726	0.2353	0.457	0.0529	0.394	0.0738	2.986	HREE-enriched
Horn Plateau	17966-027	1042.4	64.21	0.535	2.982	13.53	0.563	bdl	0.0433	0.499	0.1884	1.743	0.916	0.31	0.791	0.0951	0.524	0.1064	0.335	0.0614	0.474	0.0838	0.32	HREE-enriched
Horn Plateau	17966-039	1722	73.81	0.415	6.962	26.01	0.404	bdl	0.0361	0.379	0.1394	1.378	0.9	0.377	1.266	0.2078	1.32	0.273	0.771	0.1144	0.884	0.136	0.651	HREE-enriched
Horn Plateau	17966-040	3.8	33.84	4.875	0.0294	0.096	0.0775	bdl	2.854	9.95	0.726	0.861	0.0104	bdl	bdl	bdl	0	0.00042	0.0061	0.0035	0.082	0.0276	0	MREE-depleted
Horn Plateau	17966-042	454.9	21.32	0.0999	2.19	13.07	0.227	bdl	0.0576	0.593	0.1684	1.362	0.616	0.1766	0.513	0.0712	0.408	0.0846	0.276	0.0478	0.422	0.0906	0.284	HREE-enriched
Horn Plateau	17966-043	1452.1	63.85	0.404	4.306	21.95	0.406	bdl	0.0278	0.338	0.1411	1.42	0.938	0.359	1.105	0.1645	0.878	0.1626	0.41	0.0669	0.559	0.1074	0.487	HREE-enriched
Horn Plateau	17966-044	194.6	44.75	0.1311	1.926	0.939	0.414	bdl	0.1419	0.849	0.1814	0.996	0.091	0.0136	0.0301	0.0113	0.183	0.0646	0.325	0.0657	0.644	0.1214	0.0424	HREE-enriched
Horn Plateau	17966-051	457.2	43.91	0.282	2.52	12.31	0.344	bdl	bdl	0.813	0.1986	1.627	0.682	0.231	0.625	0.0865	0.5	0.0932	0.264	0.0411	0.36	0.0735	0.259	sinusoidal
Horn Plateau	17966-052	419.5	44.07	0.849	5.595	94.44	0.667	bdl	bdl	1.4	0.559	5.7	3.54	1.419	4.19	0.499	1.936	0.2151	0.338	0.0334	0.243	0.0474	1.378	HREE-enriched

Horn Plateau	17966-054	1437	50.9	0.798	12.4	41.97	0.404	bdl	bdl	0.478	0.2532	3.263	2.099	0.735	2.17	0.341	2.208	0.475	1.438	0.2026	1.456	0.228	0.774	HREE-enriched
Horn Plateau	17966-056	1253.3	17.88	0.183	12.88	15.57	0.0548	bdl	bdl	0.321	0.1056	1.113	0.995	0.476	1.756	0.323	2.31	0.498	1.522	0.218	1.66	0.258	0.247	HREE-enriched
Horn Plateau	17966-058	400.9	45.41	1.217	6.679	14.35	1.272	bdl	bdl	1.871	0.713	5.67	1.444	0.368	0.917	0.1314	0.945	0.2516	0.879	0.1404	1.154	0.1911	0.257	sinusoidal
Horn Plateau	17966-092	4763	80.4	0.537	14.8	60.77	0.49	bdl	bdl	0.486	0.1818	1.808	1.168	0.526	2	0.395	2.752	0.59	1.711	0.241	1.868	0.262	1.646	HREE-enriched
Horn Plateau	17966-093	2192	87.6	0.816	6.894	32.29	0.503	bdl	bdl	0.779	0.263	2.369	1.137	0.452	1.399	0.223	1.383	0.268	0.737	0.1116	0.805	0.1341	0.824	HREE-enriched
Horn Plateau	17966-094	3065	44.05	0.394	23.23	44.18	0.247	bdl	bdl	0.245	0.1076	1.22	1.033	0.487	2.066	0.448	3.65	0.884	2.925	0.435	3.247	0.496	0.963	HREE-enriched
Horn Plateau	17966-096	1378	45.39	0.614	14.47	39.78	0.538	bdl	bdl	0.64	0.2584	2.598	1.628	0.618	1.872	0.339	2.506	0.535	1.456	0.1714	1.059	0.1488	0.791	HREE-enriched
Horn Plateau	17966-097	1350	59.83	0.645	14.55	32.78	0.504	bdl	bdl	0.681	0.2714	2.544	1.392	0.534	1.906	0.355	2.55	0.561	1.718	0.248	1.765	0.2835	0.821	sinusoidal
Horn Plateau	17966-101	1421	53.22	0.637	8.7	31.27	0.682	bdl	bdl	0.655	0.256	2.51	1.664	0.635	1.931	0.28	1.673	0.312	0.918	0.1359	1.087	0.1726	0.552	HREE-enriched
Horn Plateau	17966-105	179.2	25.01	0.445	4.316	11.4	0.248	bdl	bdl	1.244	0.354	2.579	0.921	0.303	0.699	0.0947	0.629	0.1501	0.571	0.0976	1.037	0.1844	0.099	sinusoidal
Horn Plateau	17966-106	2181	63.02	0.473	15.95	44.06	0.4	bdl	bdl	0.361	0.1464	1.578	1.304	0.549	2.091	0.378	2.65	0.595	1.901	0.269	1.99	0.312	0.919	HREE-enriched
Horn Plateau	17966-108	3938	69.15	0.453	38.66	134.4	0.377	bdl	bdl	0.376	0.1498	1.743	1.827	0.962	4.36	0.984	7.21	1.519	4.044	0.491	3.08	0.413	2.793	HREE-enriched
Horn Plateau	17966-111	3056	65.84	0.676	14.75	39.29	0.538	bdl	bdl	0.605	0.2095	1.929	1.387	0.651	2.342	0.434	2.874	0.579	1.612	0.2277	1.641	0.24	0.933	HREE-enriched
Horn Plateau	17966-113	870	50.98	0.532	1.545	10.5	0.33	bdl	bdl	0.937	0.3407	2.766	0.64	0.1814	0.48	0.0541	0.304	0.0581	0.165	0.0287	0.291	0.0599	0.267	sinusoidal
Horn Plateau	17966-120	438.4	19.21	0.434	4.117	10.11	0.697	bdl	bdl	1.923	0.539	3.83	1.062	0.319	0.763	0.11	0.611	0.1291	0.416	0.0753	0.698	0.1377	0.144	sinusoidal
Horn Plateau	17966-121	2292	20.49	0.263	15.75	33.06	0.229	bdl	bdl	0.1829	0.0739	0.779	0.655	0.348	1.378	0.319	2.537	0.605	2.064	0.329	2.472	0.398	0.738	HREE-enriched
Horn Plateau	17966-123	2067	61.4	0.516	4.519	35.68	0.54	bdl	bdl	0.458	0.1727	1.802	1.128	0.378	1.063	0.1548	0.906	0.1657	0.508	0.0697	0.563	0.1014	0.879	HREE-enriched
Horn Plateau	17966-124	1588	69.59	0.384	11.29	19.95	0.421	bdl	bdl	0.35	0.1348	1.286	0.712	0.287	1.118	0.2291	1.756	0.414	1.371	0.207	1.541	0.2492	0.558	HREE-enriched
Horn Plateau	17966-126	1303	58.03	0.448	4.337	27.61	0.455	bdl	bdl	0.418	0.1593	1.573	0.966	0.413	1.242	0.1741	1.005	0.1718	0.449	0.0689	0.563	0.1041	0.7	sinusoidal

Horn Plateau	17966-129	2422	62.29	0.447	17.03	311.7	0.353	bdl	bdl	0.402	0.1424	1.313	0.828	0.432	2.025	0.437	3.073	0.66	1.895	0.25	1.793	0.274	6.01	HREE-enriched
Horn Plateau	17966-130	465.6	53.33	0.6	1.512	22.26	0.548	bdl	bdl	0.621	0.2346	2.353	1.407	0.445	1.09	0.0969	0.385	0.0551	0.167	0.026	0.268	0.0504	0.465	sinusoidal
Horn Plateau	17966-153	701.5	38.09	1.379	7.803	84.1	0.514	bdl	bdl	1.869	0.838	7.84	5.31	2.024	5.83	0.566	2.274	0.308	0.621	0.0602	0.39	0.0636	1.385	sinusoidal
Horn Plateau	17966-154	2310	52.92	0.653	8.36	38.9	0.38	bdl	bdl	0.387	0.1888	2.081	1.525	0.606	2.074	0.313	1.83	0.318	0.835	0.1209	0.805	0.1348	0.971	HREE-enriched
Horn Plateau	17966-165	549.5	49.06	0.666	4.077	32.65	0.708	bdl	bdl	1.089	0.351	2.855	1.394	0.613	2.05	0.294	1.223	0.1522	0.366	0.0524	0.434	0.0852	0.584	sinusoidal
Horn Plateau	17966-169	1121	58.07	0.476	10.28	13.73	0.398	bdl	bdl	0.357	0.1452	1.51	0.576	0.182	0.731	0.161	1.442	0.36	1.287	0.208	1.587	0.265	0.329	HREE-enriched
Horn Plateau	17966-172	168.7	26.32	3.077	0.431	3.95	0.317	bdl	bdl	2.125	0.408	2.269	0.464	0.1129	0.226	0.0231	0.109	0.0165	0.047	0.0067	0.086	0.0219	0.0471	sinusoidal
Horn Plateau	17966-179	414.4	22.79	0.0841	2.365	5.607	0.406	bdl	bdl	0.77	0.2046	1.36	0.439	0.1339	0.384	0.0625	0.411	0.0905	0.255	0.0436	0.355	0.0704	0.154	sinusoidal
Horn Plateau	17966-181	792.8	58.58	1.293	4.147	22.81	1.191	bdl	bdl	1.51	0.501	3.678	1.376	0.418	1.124	0.1439	0.795	0.1613	0.46	0.0725	0.547	0.089	0.543	sinusoidal
Horn Plateau	17966-182	1352	79.89	0.686	2.958	24.76	0.612	bdl	bdl	0.629	0.254	2.469	1.536	0.579	1.56	0.1693	0.695	0.1094	0.305	0.042	0.518	0.1039	0.546	sinusoidal
Horn Plateau	17966-183	1902	34.07	0.362	10.167	25.69	0.385	bdl	bdl	0.365	0.1303	1.292	0.813	0.364	1.248	0.249	1.725	0.398	1.263	0.1777	1.312	0.2022	0.638	HREE-enriched
Horn Plateau	17967-001	306.3	49.43	0.628	7.5	120.83	0.552	bdl	bdl	0.981	0.387	4.3	3.17	1.284	4.07	0.529	2.346	0.311	0.576	0.0591	0.441	0.0755	2.178	HREE-enriched
Horn Plateau	17967-006	800.2	39.77	0.547	10.34	100.9	0.396	bdl	bdl	0.798	0.342	3.959	3.47	1.572	5.06	0.637	2.842	0.396	0.766	0.0812	0.485	0.0775	1.757	sinusoidal
Horn Plateau	17967-007	127.6	31.02	0.0667	0.731	3.51	0.207	bdl	bdl	0.631	0.1837	1.394	0.234	0.0711	0.157	0.0131	0.087	0.0255	0.128	0.0305	0.339	0.0703	0.0451	sinusoidal
Horn Plateau	17967-008	929.2	58.06	0.57	4.549	14.41	0.538	bdl	bdl	0.557	0.2142	2.276	1.044	0.316	0.946	0.1275	0.814	0.1623	0.543	0.088	0.765	0.1366	0.375	HREE-enriched
Horn Plateau	17967-009	1896	62.26	0.483	13.74	36.66	0.582	bdl	bdl	0.48	0.1651	1.731	1.27	0.544	2.002	0.37	2.611	0.508	1.475	0.1969	1.243	0.1896	0.846	HREE-enriched
Horn Plateau	17967-011	209.6	17.12	0.504	0.925	1.637	0.216	bdl	bdl	1.83	0.282	1.093	0.139	0.0437	0.118	0.0206	0.148	0.0309	0.122	0.0219	0.267	0.0594	0.035	sinusoidal
Horn Plateau	17967-015	1641	69.65	0.493	1.516	8.72	0.434	bdl	bdl	0.494	0.1951	1.847	0.799	0.239	0.534	0.0613	0.269	0.0503	0.176	0.0403	0.424	0.0851	0.155	HREE-enriched
Horn Plateau	17967-016	586	49.06	1.063	1.172	16.34	0.493	bdl	bdl	2.544	0.503	2.61	0.697	0.221	0.537	0.0678	0.285	0.043	0.084	0.015	0.125	0.0268	0.207	sinusoidal

Horn Plateau	17967-024	97.6	12.27	0.0199	1.017	0.854	0.0266	bdl	bdl	0.1023	0.0538	0.52	0.114	0.03	0.071	0.0146	0.115	0.0351	0.128	0.0231	0.246	0.0469	0.0147	MREE-depleted
Horn Plateau	17967-025	175.8	85.9	0.0792	2.398	2.379	0.869	bdl	bdl	0.426	0.0895	0.579	0.138	0.0466	0.145	0.026	0.236	0.0866	0.361	0.0729	0.695	0.1291	0.076	HREE-enriched
Horn Plateau	17967-029	136.4	37.41	1.423	2.299	42.78	1.197	bdl	bdl	2.059	0.812	9.19	5.3	1.524	3.14	0.258	0.815	0.0965	0.174	0.0145	0.119	0.0201	0.859	sinusoidal
Horn Plateau	17967-031	246.3	36.73	1.007	25.1	126.4	0.405	bdl	bdl	1.042	0.343	3.56	2.998	1.462	5.33	0.975	5.7	0.965	2.303	0.248	1.516	0.205	1.028	HREE-enriched
Horn Plateau	17967-032	433.7	53.02	2.072	0.812	15.13	0.496	bdl	bdl	2.542	0.796	3.93	0.486	0.135	0.319	0.0316	0.183	0.0287	0.094	0.0163	0.195	0.0441	0.389	sinusoidal
Horn Plateau	17967-036	174.5	17.28	0.178	0.747	1.176	1.097	bdl	bdl	1.43	0.1742	0.417	0.0421	0.0182	0.052	0.0128	0.107	0.0282	0.106	0.0216	0.247	0.0593	0.0361	sinusoidal
Horn Plateau	17967-038	12.86	38.33	11.26	1.587	0.791	0.216	bdl	bdl	5.263	0.434	0.923	0.157	0.0315	0.042	0.00147	0.066	0.0483	0.356	0.1014	1.136	0.278	0.0152	MREE-depleted
Horn Plateau	17967-039	2822	84.5	0.548	14.38	42.06	0.549	bdl	bdl	0.452	0.172	1.65	1.182	0.532	1.94	0.376	2.646	0.542	1.744	0.238	1.87	0.311	1.121	HREE-enriched
Horn Plateau	17967-040	2321	52.4	0.809	5.296	29.84	1.021	bdl	bdl	0.689	0.1795	1.711	1.248	0.534	1.67	0.239	1.223	0.195	0.495	0.0718	0.535	0.1	0.614	HREE-enriched
Horn Plateau	17967-041	259.3	28.22	1.262	6.61	33.29	0.582	bdl	bdl	2.121	0.913	8.81	3.91	1.263	3.047	0.361	1.609	0.223	0.523	0.0668	0.521	0.1029	0.443	sinusoidal
Horn Plateau	17967-052	2698	63.83	0.746	14.98	65.99	0.717	bdl	bdl	0.823	0.291	2.829	1.948	0.832	2.78	0.454	2.895	0.556	1.627	0.244	1.684	0.268	1.395	HREE-enriched
Horn Plateau	17967-053	843.4	64.25	0.898	1.902	16.7	0.538	bdl	bdl	0.617	0.1996	1.798	0.897	0.326	0.88	0.1125	0.511	0.0758	0.17	0.0238	0.234	0.052	0.393	sinusoidal
Horn Plateau	17967-054	2361	60.52	0.374	13.85	35.71	0.387	bdl	bdl	0.358	0.1295	1.336	1.035	0.458	1.822	0.332	2.401	0.532	1.612	0.237	1.688	0.2615	0.831	HREE-enriched
Horn Plateau	17967-055	954.8	38.56	0.649	2.335	12.73	0.465	bdl	bdl	0.928	0.315	2.685	0.926	0.29	0.723	0.0872	0.433	0.0842	0.25	0.0357	0.301	0.0686	0.258	sinusoidal
Horn Plateau	17967-060	2616	25.85	0.197	8.81	18.13	0.181	bdl	bdl	0.1535	0.0549	0.581	0.448	0.204	0.862	0.1823	1.479	0.345	1.106	0.1715	1.175	0.19	0.464	sinusoidal
Horn Plateau	17967-061	188	74.6	9.67	2.389	35.61	1.544	bdl	bdl	8.84	2.842	20.58	5.22	1.343	2.59	0.219	0.75	0.081	0.153	0.0194	0.201	0.0764	0.512	sinusoidal
Horn Plateau	17967-062	459.6	26.23	0.105	1.501	2.92	0.191	bdl	bdl	0.714	0.242	2.083	0.577	0.146	0.344	0.0474	0.283	0.064	0.201	0.0376	0.365	0.0637	0.087	sinusoidal
Horn Plateau	17967-063	211.5	28.96	0.497	0.971	14.87	0.485	bdl	bdl	1.431	0.502	5.15	1.248	0.293	0.639	0.07	0.29	0.037	0.079	0.0087	0.069	0.0166	0.235	sinusoidal
Horn Plateau	17967-064	1.56	11.81	0.1002	0.0353	0.189	0.0515	bdl	bdl	0.469	0.0841	0.326	0.0417	0.0076	0.0189	0.0007	bdl	0.00052	0.0114	0.00384	0.065	0.0206	0	MREE-depleted

Horn Plateau	17967-067	3011	57.6	0.627	9.477	37.38	0.428	bdl	bdl	0.496	0.1878	1.827	1.24	0.568	2.012	0.358	2.102	0.36	0.927	0.1088	0.842	0.1375	0.874	HREE-enriched
Horn Plateau	17967-068	1980	68.41	0.563	10.33	47.91	0.496	bdl	bdl	0.492	0.1644	1.703	1.157	0.499	1.837	0.33	2.027	0.389	1.134	0.164	1.189	0.185	1.211	HREE-enriched
Horn Plateau	17967-069	39.4	42.64	0.495	0.665	2.816	0.535	bdl	bdl	3.54	0.652	3.057	0.444	0.0999	0.192	0.0192	0.107	0.0167	0.103	0.0252	0.336	0.0724	0.05	sinusoidal
Horn Plateau	17967-076	1032.8	46.06	0.575	10.49	58.5	0.356	bdl	bdl	1.167	0.339	2.648	1.145	0.447	1.485	0.266	1.842	0.38	1.1	0.1504	1.098	0.1602	0.79	sinusoidal
Horn Plateau	17967-077	69.8	39.63	0.0516	0.376	0.227	0.823	bdl	bdl	0.335	0.0928	0.701	0.095	0.019	0.015	0.00098	0.0179	0.0108	0.0693	0.024	0.303	0.0718	bdl	MREE-depleted
Horn Plateau	17967-078	118.3	33	0.959	3.453	50.4	0.55	bdl	bdl	4.311	1.511	13.39	5.01	1.268	2.292	0.1455	0.541	0.1221	0.448	0.0817	0.83	0.1704	0.602	sinusoidal
Horn Plateau	17967-080	2990	64.73	0.383	17.33	39.26	0.358	bdl	bdl	0.319	0.122	1.201	0.842	0.4	1.64	0.36	2.923	0.674	2.06	0.282	1.897	0.264	1.11	HREE-enriched
Horn Plateau	17967-081	101.1	17.96	0.135	0.899	1.027	0.271	bdl	bdl	1.829	0.377	1.552	0.242	0.0601	0.107	0.0169	0.12	0.0329	0.16	0.0324	0.416	0.0992	0.0211	sinusoidal
Horn Plateau	17967-082	83.8	27.23	0.341	0.243	0.258	0.277	bdl	bdl	3.768	0.384	0.68	0.07	0.0182	0.0345	0.0036	0.0251	0.0089	0.0374	0.0124	0.136	0.0378	0	sinusoidal
Horn Plateau	17967-085	31.77	24	33.44	1.814	12.44	0.569	bdl	bdl	11.27	2.119	10.55	1.92	0.455	0.988	0.105	0.458	0.0665	0.145	0.0215	0.244	0.0598	0.19	sinusoidal
Horn Plateau	17967-086	39.2	30.54	2.638	1.694	22.88	0.648	bdl	bdl	6.022	1.99	14.06	3.63	0.945	1.801	0.15	0.529	0.0683	0.105	0.0155	0.174	0.0606	0.297	sinusoidal
Horn Plateau	17967-087	5172	87	0.693	14.59	45.27	0.588	bdl	bdl	0.713	0.1938	1.782	1.075	0.483	1.864	0.371	2.597	0.568	1.718	0.253	1.698	0.264	1.259	HREE-enriched
Horn Plateau	17967-088	493.7	18.17	0.0138	12.91	0.958	0.0943	bdl	bdl	0.0255	0.0111	0.137	0.29	0.154	0.892	0.235	1.989	0.503	1.538	0.2224	1.673	0.247	0.0343	HREE-enriched
Horn Plateau	17967-089	569.6	30.9	0.0349	11.3	3.484	0.1011	bdl	bdl	0.1325	0.0551	0.577	0.411	0.201	1.035	0.235	1.931	0.424	1.234	0.1724	1.145	0.1759	0.17	HREE-enriched
Horn Plateau	17967-090	1681	73.23	0.579	7.164	29.18	0.54	bdl	bdl	0.599	0.226	2.173	1.202	0.512	1.652	0.242	1.332	0.27	0.739	0.1019	0.801	0.1296	0.783	HREE-enriched
Horn Plateau	17967-091	80.5	20.18	0.327	0.411	0.241	0.831	bdl	bdl	1.741	0.2864	1.119	0.115	0.025	0.041	0.0046	0.043	0.0101	0.064	0.0199	0.239	0.0616	0.0132	sinusoidal
Horn Plateau	17967-092	2722	53.96	0.721	11.1	46.33	0.635	bdl	bdl	0.669	0.2362	2.343	1.688	0.805	2.906	0.457	2.464	0.406	0.948	0.1273	0.854	0.136	0.97	HREE-enriched
Horn Plateau	17967-094	1637	64.77	0.375	8.87	18.92	0.365	bdl	bdl	0.37	0.1323	1.241	0.708	0.307	1.101	0.188	1.393	0.34	1.121	0.1747	1.355	0.229	0.486	HREE-enriched
Horn Plateau	17967-095	1428	55.61	0.421	10.34	26.24	0.406	bdl	bdl	0.414	0.1518	1.445	0.908	0.37	1.348	0.235	1.672	0.38	1.265	0.198	1.54	0.261	0.607	HREE-enriched

Horn Plateau	17967-096	4314	65.89	0.902	14.4	41.6	0.564	bdl	bdl	0.745	0.257	2.364	1.553	0.673	2.449	0.481	3.043	0.569	1.449	0.176	1.146	0.1736	0.912	HREE-enriched
Horn Plateau	17967-125	2384	57.8	0.525	15.6	31.77	0.295	bdl	bdl	0.4	0.1805	1.839	1.208	0.494	1.805	0.338	2.536	0.573	1.884	0.283	2.142	0.324	0.6	HREE-enriched
Horn Plateau	17967-129	636.7	54.99	0.693	4.348	46.19	0.876	bdl	bdl	0.883	0.304	2.741	1.704	0.673	1.968	0.275	1.193	0.1538	0.324	0.0526	0.454	0.103	0.898	sinusoidal
Horn Plateau	17967-130	1711	59.01	0.774	7.057	37.97	0.591	bdl	bdl	0.848	0.287	2.825	2.156	0.865	2.668	0.349	1.679	0.269	0.649	0.0769	0.546	0.0906	0.904	sinusoidal
Horn Plateau	17967-134	1193	47.85	0.608	9.95	33.68	0.598	bdl	bdl	0.795	0.295	2.76	1.484	0.543	1.662	0.252	1.782	0.388	1.135	0.1712	1.289	0.2167	0.653	sinusoidal
Horn Plateau	17967-135	1557	61.6	0.675	6.484	28.34	0.505	bdl	bdl	0.558	0.211	2.003	1.179	0.475	1.677	0.271	1.604	0.242	0.554	0.0608	0.453	0.0846	0.683	HREE-enriched
Horn Plateau	17967-137	679.7	63.39	0.443	2.889	10.86	0.45	bdl	bdl	0.46	0.1828	2.058	0.94	0.278	0.634	0.0709	0.428	0.1056	0.373	0.065	0.587	0.1126	0.251	sinusoidal
Horn Plateau	17967-139	306.7	43.53	0.199	2.633	7.16	0.544	bdl	bdl	0.987	0.2148	1.129	0.249	0.0792	0.282	0.0517	0.37	0.0926	0.342	0.0624	0.575	0.1028	0.091	sinusoidal
Horn Plateau	17967-140	631.4	59.51	0.256	5.536	18.39	0.37	bdl	bdl	0.366	0.1421	1.141	0.755	0.32	1.004	0.1335	0.866	0.201	0.677	0.103	0.919	0.1507	0.363	HREE-enriched
Horn Plateau	17967-141	188.4	27.77	0.0674	1.085	1.781	0.225	bdl	bdl	0.35	0.1031	0.647	0.187	0.071	0.251	0.0276	0.146	0.0372	0.162	0.0335	0.384	0.0828	0.062	sinusoidal
Horn Plateau	17967-142	1183.8	32.05	0.1199	4.141	10	0.218	bdl	bdl	0.319	0.1176	0.934	0.493	0.198	0.695	0.11	0.76	0.148	0.467	0.0687	0.645	0.1297	0.273	HREE-enriched
Horn Plateau	17967-143	96.9	41.48	0.602	0.601	2.584	0.968	bdl	bdl	3.335	0.736	3.84	0.538	0.1072	0.165	0.0153	0.071	0.0217	0.087	0.0212	0.287	0.0716	0.053	sinusoidal
Horn Plateau	17967-144	1598	83.2	0.305	8.16	9.5	0.713	bdl	bdl	0.43	0.133	1.028	0.499	0.215	0.791	0.162	1.275	0.299	1.028	0.167	1.205	0.209	0.32	HREE-enriched
Horn Plateau	17967-158	3242	71.07	1.086	14.76	157.5	0.372	bdl	bdl	0.547	0.27	3.831	3.34	1.236	3.75	0.528	3.026	0.537	1.442	0.1971	1.341	0.202	3.467	HREE-enriched
Horn Plateau	17967-159	1736	49.48	0.415	7.989	23.27	0.413	bdl	bdl	0.433	0.1585	1.53	0.942	0.381	1.223	0.214	1.417	0.303	0.974	0.1436	1.119	0.176	0.596	HREE-enriched
Horn Plateau	17967-160	1311.7	55.48	0.46	30.96	161.5	0.323	bdl	bdl	0.479	0.2012	2.364	2.524	1.348	5.75	1.144	7.03	1.236	2.755	0.288	1.741	0.255	2.329	HREE-enriched
Horn Plateau	17967-161	3229	149	1.17	9.99	51.43	0.477	bdl	bdl	0.701	0.195	1.68	1.026	0.404	1.73	0.269	1.862	0.381	1.04	0.133	0.943	0.137	1.485	HREE-enriched
Horn Plateau	17967-162	170.3	35.36	0.133	2.175	16.2	0.206	bdl	bdl	0.552	0.173	1.777	0.629	0.178	0.415	0.0558	0.339	0.0771	0.299	0.0593	0.585	0.119	0.212	HREE-enriched
Horn Plateau	17967-163	1305	18.84	0.0442	17.61	34	0.0519	bdl	bdl	0.089	0.0525	0.669	0.686	0.344	1.561	0.341	2.762	0.68	2.356	0.36	2.86	0.48	0.733	HREE-enriched

Horn Plateau	17967-176	771.7	40.3	0.529	3.892	42.16	0.291	bdl	bdl	0.643	0.249	2.375	1.278	0.443	1.291	0.1731	0.932	0.1563	0.386	0.0597	0.482	0.0898	0.696	sinusoidal
Horn Plateau	17967-182	1628	79	0.391	18.89	23.45	0.371	bdl	bdl	0.282	0.1177	1.379	0.893	0.339	1.412	0.326	2.75	0.714	2.405	0.385	2.76	0.437	0.527	HREE-enriched
Horn Plateau	17968-001	1076.4	22.06	0.219	10.19	49.44	0.057	bdl	bdl	0.268	0.2035	3.25	2.241	0.813	2.97	0.436	2.421	0.38	0.897	0.0901	0.708	0.1104	1.059	HREE-enriched
Horn Plateau	17968-003	1260	92.4	0.274	4.485	10.43	0.573	bdl	bdl	0.363	0.0975	0.752	0.388	0.146	0.552	0.115	0.749	0.16	0.551	0.0877	0.713	0.1109	0.328	HREE-enriched
Horn Plateau	17968-005	1081	53.41	0.405	6.48	10.91	0.46	bdl	bdl	0.469	0.1558	1.273	0.56	0.221	0.739	0.1505	1.061	0.256	0.756	0.1195	0.853	0.1416	0.321	sinusoidal
Horn Plateau	17968-007	176.6	29.09	2.524	0.725	7.98	0.498	bdl	bdl	5.872	0.88	2.651	0.501	0.145	0.334	0.0302	0.159	0.0203	0.076	0.0115	0.17	0.0499	0.149	sinusoidal
Horn Plateau	17968-008	4013	119.5	0.749	9.35	44.74	0.591	bdl	bdl	0.8	0.22	1.857	1.092	0.457	1.683	0.276	1.826	0.369	1.021	0.1471	1.117	0.188	1.204	sinusoidal
Horn Plateau	17968-012	913.5	50.86	0.435	11.2	18.96	0.529	bdl	bdl	0.974	0.309	2.404	0.861	0.343	1.117	0.2306	1.718	0.429	1.397	0.209	1.67	0.26	0.42	sinusoidal
Horn Plateau	17968-013	272.9	30.87	1.043	0.537	1.983	0.855	bdl	bdl	1.842	0.419	1.418	0.333	0.093	0.246	0.0228	0.112	0.0199	0.0481	0.0104	0.137	0.036	0.0197	sinusoidal
Horn Plateau	17968-014	1258	69.4	0.341	7.37	18.15	0.379	bdl	bdl	0.359	0.1389	1.285	0.657	0.244	0.898	0.1516	1.155	0.274	0.922	0.1432	1.142	0.179	0.494	HREE-enriched
Horn Plateau	17968-017	317	23.99	0.0947	1.657	1.696	0.709	bdl	bdl	0.906	0.1837	0.961	0.147	0.028	0.084	0.019	0.17	0.0622	0.263	0.0549	0.556	0.1094	0.048	sinusoidal
Horn Plateau	17968-018	1533	55.89	0.273	16.32	115.3	0.293	bdl	bdl	0.32	0.134	1.325	1.372	0.81	3.21	0.643	3.786	0.61	1.292	0.1362	0.823	0.1201	1.931	HREE-enriched
Horn Plateau	17968-019	2108	50.25	0.669	19.26	46.19	0.467	bdl	bdl	0.657	0.267	2.69	1.874	0.812	2.918	0.52	3.45	0.69	2.036	0.313	2.248	0.359	0.875	HREE-enriched
Horn Plateau	17968-029	17.73	21.13	0.1054	0.137	0.126	0.715	bdl	bdl	1.713	0.341	1.331	0.058	0.0099	0.0185	0.00041	0.0084	0.0028	0.0303	0.0129	0.207	0.0566	0	MREE-depleted
Horn Plateau	17968-032	509.3	29.5	0.0649	3.119	4.205	0.147	bdl	bdl	0.304	0.0833	0.554	0.207	0.0938	0.332	0.0639	0.463	0.1147	0.396	0.0638	0.492	0.0877	0.161	HREE-enriched
Horn Plateau	17968-034	2671	63.8	0.339	11.9	32.31	0.392	bdl	bdl	0.301	0.1107	1.233	0.844	0.385	1.461	0.289	2.062	0.445	1.38	0.201	1.453	0.216	0.796	HREE-enriched
Horn Plateau	17968-036	189.2	27.6	0.0417	1.382	1.77	0.1112	bdl	bdl	0.18	0.0648	0.575	0.131	0.0458	0.134	0.0202	0.19	0.0481	0.226	0.0437	0.508	0.1139	0.0313	HREE-enriched
Horn Plateau	17968-037	1163	44.27	0.341	5.5	19.49	0.28	bdl	bdl	0.513	0.1723	1.686	1.056	0.428	1.252	0.1989	1.093	0.221	0.587	0.0817	0.725	0.122	0.467	HREE-enriched
Horn Plateau	17968-039	1864	29.43	0.866	8.04	19.34	0.288	bdl	bdl	2.06	0.758	8.17	2.564	0.891	1.945	0.276	1.609	0.309	0.841	0.1084	0.754	0.111	0.664	sinusoidal

Horn Plateau	17968-040	4463	37.26	0.547	16.9	40.09	0.418	bdl	bdl	0.423	0.1571	1.596	1.202	0.558	2.178	0.405	2.998	0.646	1.948	0.28	2.075	0.314	0.916	HREE-enriched
Horn Plateau	17968-049	108.2	39.91	3.889	1.123	2.65	0.423	bdl	bdl	16.78	2.926	15.06	0.896	0.178	0.283	0.0249	0.163	0.046	0.175	0.0336	0.468	0.136	0.027	sinusoidal
Horn Plateau	17968-050	2017	64.75	0.449	6.528	28.07	0.374	bdl	bdl	0.394	0.1457	1.361	0.89	0.405	1.449	0.223	1.333	0.238	0.66	0.1006	0.808	0.13	0.672	HREE-enriched
Horn Plateau	17968-051	1877	56.51	0.336	3.681	15.77	0.315	bdl	bdl	0.301	0.1044	0.844	0.508	0.23	0.773	0.12	0.761	0.1446	0.378	0.0527	0.402	0.0622	0.428	sinusoidal
Horn Plateau	17968-055	578.6	18.23	0.78	9.49	38.35	0.131	bdl	bdl	0.435	0.276	3.26	2.109	0.877	2.65	0.415	2.355	0.383	0.908	0.115	0.883	0.153	0.692	sinusoidal
Horn Plateau	17968-057	4248	56.89	0.833	18.37	45.34	0.568	bdl	bdl	0.699	0.2472	2.458	1.553	0.715	2.51	0.487	3.3	0.708	2.108	0.282	1.986	0.296	1.036	HREE-enriched
Horn Plateau	21734-004	39	17.91	0.099	0.354	2.811	0.193	bdl	0.232	1.221	0.1993	0.83	0.118	0.0374	0.099	0.0167	0.061	0.0117	0.0587	0.0164	0.254	0.0757	0.083	sinusoidal
Horn Plateau	21734-006	1600	14.81	0.239	12.26	16.63	0.0756	bdl	0.02	0.358	0.1916	2.531	1.975	0.698	2.19	0.326	2.102	0.462	1.534	0.243	1.994	0.352	0.385	HREE-enriched
Horn Plateau	21734-007	3071	51.78	0.243	3.462	44.34	0.91	bdl	0.0476	0.946	0.454	4.54	1.811	0.581	1.447	0.189	0.911	0.139	0.322	0.0431	0.323	0.0676	0.918	HREE-enriched
Horn Plateau	21734-008	1093	74.24	0.391	1.096	3.535	0.566	bdl	0.0696	0.8	0.2065	1.37	0.376	0.105	0.245	0.0343	0.18	0.0374	0.148	0.0267	0.289	0.0642	0.073	sinusoidal
Horn Plateau	21734-009	630.1	29.83	0.0658	5.292	16.06	0.165	bdl	0.0238	0.279	0.1123	0.972	0.444	0.146	0.43	0.08	0.735	0.1973	0.686	0.1257	1.021	0.176	0.521	HREE-enriched
Horn Plateau	21734-010	130.6	51.41	0.164	0.848	4.161	0.531	bdl	0.2	1.024	0.218	1.243	0.234	0.0524	0.099	0.0067	0.069	0.0245	0.15	0.0354	0.389	0.0804	0.108	sinusoidal
Horn Plateau	21734-011	2056	71.7	0.36	7.21	16.39	0.42	bdl	0.0293	0.338	0.1257	1.194	0.694	0.303	0.999	0.188	1.193	0.265	0.814	0.1312	0.997	0.178	0.401	HREE-enriched
Horn Plateau	21734-013	172.9	23.58	0.449	1.155	3.524	0.0752	bdl	0.175	2.509	0.592	3.016	0.561	0.154	0.386	0.0381	0.221	0.0417	0.132	0.0272	0.257	0.0717	0.067	sinusoidal
Horn Plateau	21734-015	179.1	35.01	2.913	1.751	13.13	0.518	bdl	0.206	2.589	0.833	6.23	1.357	0.381	0.819	0.0938	0.411	0.0672	0.177	0.0251	0.314	0.0752	0.243	sinusoidal
Horn Plateau	21734-018	408.1	33.16	0.158	4.027	9.56	0.322	bdl	0.0693	0.74	0.206	1.411	0.513	0.149	0.487	0.075	0.504	0.146	0.551	0.0957	0.862	0.157	0.139	sinusoidal
Horn Plateau	21734-021	4119	61.1	0.697	12.75	37.98	0.491	bdl	0.048	0.568	0.199	1.89	1.271	0.589	2.161	0.413	2.694	0.502	1.16	0.1396	1.017	0.163	0.869	HREE-enriched
Horn Plateau	21734-022	418.3	34.16	1.359	3.13	8.14	0.839	bdl	0.204	2.911	1.095	7.94	1.395	0.318	0.618	0.0738	0.424	0.1074	0.425	0.0725	0.712	0.1314	0.186	sinusoidal
Horn Plateau	21734-023	4730	79.6	0.772	15.18	39.14	0.57	bdl	0.0623	0.676	0.234	2.162	1.388	0.65	2.307	0.435	2.867	0.591	1.78	0.242	1.809	0.278	0.951	HREE-enriched

Horn Plateau	21734-025	4242	72.7	0.733	17.04	45.24	0.539	bdl	0.066	0.662	0.221	1.998	1.374	0.648	2.33	0.487	3.324	0.675	1.762	0.217	1.365	0.1879	1.143	HREE-enriched
Horn Plateau	21734-026	3046	74.5	0.352	12.25	36.63	0.349	bdl	0.0243	0.324	0.1194	1.111	0.853	0.381	1.488	0.315	2.16	0.457	1.325	0.191	1.402	0.22	1.048	HREE-enriched
Horn Plateau	21734-027	2275	65.8	0.385	6.784	25.12	0.34	bdl	0.0203	0.289	0.113	1.187	0.952	0.408	1.343	0.199	1.216	0.255	0.803	0.1212	0.974	0.16	0.57	HREE-enriched
Horn Plateau	21734-028	876.2	50.84	0.598	2.056	17.05	0.699	bdl	0.0654	0.782	0.296	2.755	1.372	0.458	1.144	0.1249	0.535	0.0714	0.236	0.0387	0.472	0.106	0.288	sinusoidal
Horn Plateau	21734-030	1971	53.46	0.961	6.699	43.35	0.764	bdl	0.062	0.755	0.305	3.35	2.41	1.03	2.98	0.384	1.813	0.232	0.524	0.0682	0.5	0.0897	0.917	HREE-enriched
Horn Plateau	21734-031	2773	88.9	0.621	7.85	30.28	0.534	bdl	0.0536	0.57	0.1868	1.7	0.924	0.389	1.4	0.231	1.447	0.303	0.839	0.1139	0.837	0.1356	0.705	HREE-enriched
Horn Plateau	21734-033	29.5	20.05	0.536	3.947	18.33	0.234	bdl	0.0572	1.077	0.625	8.29	3.81	1.206	3.27	0.351	1.32	0.153	0.259	0.024	0.19	0.0311	0.141	sinusoidal
Horn Plateau	21734-034	2467	72.9	0.818	3.46	26.22	0.424	bdl	0.0535	0.582	0.2229	2.201	0.973	0.366	1.072	0.153	0.847	0.1325	0.33	0.0397	0.281	0.0572	0.694	HREE-enriched
Horn Plateau	21734-036	396.6	51.28	1.897	1.881	16.86	0.912	bdl	0.501	3.428	0.734	5.56	1.196	0.313	0.647	0.0716	0.385	0.0764	0.239	0.0307	0.308	0.0692	0.365	sinusoidal
Horn Plateau	21734-037	2531	55.15	0.438	10.25	25.56	0.5	bdl	0.0497	0.563	0.173	1.59	1.113	0.451	1.499	0.257	1.863	0.393	1.149	0.1517	1.118	0.189	0.617	HREE-enriched
Horn Plateau	21734-039	642	68.7	0.564	0.81	3.141	0.659	bdl	0.0634	0.687	0.225	1.524	0.278	0.0745	0.189	0.0185	0.109	0.0282	0.113	0.0202	0.259	0.0577	0.086	sinusoidal
Horn Plateau	21734-041	199.4	45.48	0.739	2.613	30.17	0.653	bdl	0.0465	0.761	0.347	3.65	2.15	0.713	1.862	0.19	0.82	0.1008	0.185	0.0287	0.191	0.0534	0.479	sinusoidal
Horn Plateau	21734-042	364.8	17.86	0.252	2.458	10.3	0.153	bdl	0.184	1.538	0.657	7.35	2.75	0.626	1.016	0.1046	0.482	0.0869	0.261	0.0475	0.499	0.1114	0.251	sinusoidal
Horn Plateau	21734-043	5.01	44.36	13.99	0.0495	0.181	0.401	bdl	3.117	16.89	1.74	3.34	0.109	0.0113	0.0177	0	bdl	0.0005	0.0094	0.0043	0.089	0.0284	0.0023	MREE-depleted
Horn Plateau	21734-044	544.6	86.4	0.86	1.912	6.14	0.935	bdl	0.0936	1.102	0.296	2.003	0.457	0.132	0.314	0.0439	0.347	0.0752	0.243	0.0428	0.367	0.0707	0.175	sinusoidal
Horn Plateau	21734-046	5897	91	0.891	15.12	48.21	0.732	bdl	0.0859	0.802	0.265	2.25	1.423	0.639	2.189	0.418	2.836	0.579	1.649	0.227	1.479	0.219	1.284	HREE-enriched
Horn Plateau	21734-047	3587	84.5	0.444	7.957	36.38	0.383	bdl	0.0316	0.379	0.1413	1.364	0.998	0.432	1.508	0.267	1.577	0.306	0.78	0.1024	0.816	0.1346	0.795	HREE-enriched
Horn Plateau	21734-048	4453	70.8	0.66	13.52	41.05	0.494	bdl	0.0491	0.527	0.196	1.904	1.275	0.572	2.06	0.376	2.565	0.525	1.385	0.188	1.285	0.195	0.888	HREE-enriched
Horn Plateau	21734-050	8.33	18.15	0.074	0.139	0.059	0.529	bdl	0.127	1.277	0.333	1.571	0.113	0.0117	0.014	0.00089	bdl	0.0045	0.0462	0.0179	0.345	0.1033	0	MREE-depleted

Horn Plateau	21734-055	2775	54.16	0.929	21.46	50.24	0.602	bdl	0.0825	0.957	0.34	3.374	2.311	1.074	3.82	0.681	4.39	0.825	2.073	0.257	1.57	0.228	0.894	HREE-enriched
Horn Plateau	21734-056	607	38.56	0.14	4.389	4.516	0.386	bdl	0.0811	0.619	0.1525	0.826	0.281	0.1052	0.356	0.0778	0.591	0.172	0.616	0.1101	0.998	0.179	0.14	sinusoidal
Horn Plateau	21734-057	9.63	18.24	0.326	0.106	0.396	0.0706	bdl	0.0396	0.277	0.0413	0.239	0.099	0.0291	0.057	0.0042	0.0204	0.00197	0.0253	0.01	0.174	0.0683	0.0023	MREE-depleted
Horn Plateau	21734-060	122.5	62.3	0.333	2.423	4.79	0.155	bdl	0.703	3.235	0.568	2.559	0.449	0.105	0.301	0.0486	0.392	0.0878	0.288	0.044	0.423	0.0791	0.089	sinusoidal
Horn Plateau	21735-001	341	32.31	0.0285	6.039	0.112	0.29	bdl	bdl	0.0399	0.0062	0.051	0.058	0.0278	0.185	0.0587	0.669	0.2191	0.853	0.1478	1.303	0.217	bdl	HREE-enriched
Horn Plateau	21735-005	556.3	32.65	0.054	8.55	1.007	0.0908	bdl	bdl	0.0809	0.0142	0.085	0.074	0.0512	0.361	0.109	1.09	0.308	1.164	0.1849	1.498	0.232	0.0276	HREE-enriched
Horn Plateau	21735-012	1985	71.44	0.332	9.48	27.9	0.371	bdl	bdl	0.264	0.1002	1.027	0.759	0.341	1.259	0.2409	1.723	0.358	1.076	0.1617	1.267	0.2044	0.701	HREE-enriched
Horn Plateau	21735-015	1442.4	71.19	0.285	11.08	11.07	0.533	bdl	bdl	0.391	0.1263	0.955	0.418	0.181	0.783	0.1928	1.687	0.414	1.399	0.2064	1.604	0.235	0.312	HREE-enriched
Horn Plateau	21735-021	37.89	22.53	0.944	1.416	8.06	0.472	bdl	bdl	1.789	0.617	5.07	1.308	0.303	0.574	0.0422	0.177	0.0418	0.248	0.0682	0.805	0.192	0.094	sinusoidal
Horn Plateau	21735-024	962.9	23.25	0.811	9	11.87	0.0978	bdl	bdl	0.447	0.1769	2.103	2.068	0.926	3.01	0.432	2.4	0.369	0.787	0.0716	0.357	0.0437	0.183	HREE-enriched
Horn Plateau	21735-025	481.6	33.46	0.143	15.7	17.11	0.217	bdl	bdl	0.395	0.1085	1.039	0.65	0.31	1.278	0.286	2.353	0.568	1.962	0.31	2.449	0.397	0.126	HREE-enriched
Horn Plateau	21735-030	2345	49.94	0.358	22.24	44.18	0.251	bdl	bdl	0.2802	0.122	1.254	0.993	0.509	2.14	0.484	3.817	0.847	2.634	0.378	2.656	0.403	0.963	HREE-enriched
Horn Plateau	21735-033	655.6	23.68	bdl	11.1	1.599	0.0253	bdl	bdl	0.0045	bdl	0.0297	0.075	0.0688	0.493	0.1566	1.514	0.401	1.444	0.2313	1.738	0.285	0.0494	HREE-enriched
Horn Plateau	21735-034	226.1	36.18	0.221	4.428	17.65	0.317	bdl	bdl	1.308	0.408	2.846	0.808	0.237	0.59	0.0867	0.592	0.1647	0.637	0.1096	0.951	0.159	0.163	HREE-enriched
Horn Plateau	21735-035	23.83	22.37	0.74	1.185	8.91	0.482	bdl	bdl	1.727	0.607	4.44	1.212	0.3	0.5	0.0368	0.143	0.0341	0.225	0.058	0.785	0.171	0.093	sinusoidal
Horn Plateau	21735-055	527.4	31.74	0.052	6.138	4.39	0.202	bdl	bdl	0.2325	0.054	0.379	0.153	0.0727	0.311	0.0767	0.818	0.2277	0.852	0.1527	1.264	0.21	0.106	HREE-enriched
Horn Plateau	21735-058	229.1	31.77	0.148	3.292	15.26	0.249	bdl	bdl	0.575	0.17	1.3	0.544	0.171	0.458	0.0672	0.459	0.1266	0.452	0.0903	0.823	0.143	0.129	sinusoidal
Horn Plateau	21735-065	1881	68.92	0.339	8.756	18.5	0.297	bdl	bdl	0.256	0.1009	0.958	0.623	0.284	1.023	0.2028	1.457	0.336	1.111	0.1722	1.347	0.224	0.515	HREE-enriched
Horn Plateau	21735-066	1566	48.53	0.447	13.57	50.88	0.318	bdl	bdl	0.33	0.1484	1.666	1.384	0.658	2.314	0.388	2.465	0.521	1.578	0.254	1.858	0.303	0.926	HREE-enriched

Horn Plateau	21735-074	1574.9	50.24	0.5	12.6	33.22	0.451	bdl	bdl	0.427	0.1871	1.957	1.339	0.585	1.949	0.348	2.252	0.483	1.458	0.2096	1.608	0.244	0.548	HREE-enriched
Horn Plateau	21735-075	2005	59.04	0.272	20.17	43.28	0.207	bdl	bdl	0.1544	0.0808	0.992	0.807	0.451	2.018	0.445	3.447	0.769	2.437	0.327	2.465	0.354	1	HREE-enriched
Horn Plateau	21735-076	31.74	12.38	0.094	7.238	19.76	0.0618	bdl	bdl	0.0785	0.0243	0.548	1.535	0.829	2.845	0.358	1.887	0.274	0.588	0.102	0.872	0.1632	0.124	HREE-enriched
Horn Plateau	21735-082	1685	60.76	0.317	9.222	23.16	0.317	bdl	bdl	0.2523	0.0949	1.048	0.776	0.306	1.102	0.2181	1.617	0.354	1.117	0.1664	1.318	0.1985	0.607	HREE-enriched
Horn Plateau	21735-085	26.66	43.35	9.95	0.737	0.806	0.1123	bdl	bdl	5.213	0.685	2.542	0.279	0.0602	0.108	0.0083	0.0402	0.0207	0.162	0.048	0.577	0.1265	bdl	MREE-depleted
Horn Plateau	21735-088	2449	57.37	0.429	14.16	37.78	0.283	bdl	bdl	0.2869	0.1178	1.245	0.976	0.479	1.84	0.366	2.615	0.535	1.558	0.212	1.488	0.215	0.799	HREE-enriched
Horn Plateau	21735-103	320.8	28.95	bdl	3.394	1.528	0.0676	bdl	bdl	0.0217	0.0075	0.075	0.077	0.0359	0.183	0.0416	0.404	0.1198	0.511	0.087	0.789	0.1332	0.0307	HREE-enriched
Horn Plateau	21735-114	22.79	21	0.414	1.102	1.958	0.1844	bdl	bdl	1.106	0.313	1.806	0.334	0.0758	0.154	0.0108	0.0635	0.0296	0.236	0.0721	0.904	0.1955	0.027	MREE-depleted
Horn Plateau	21735-115	2667	31.73	0.338	12.09	30	0.244	bdl	bdl	0.2227	0.0898	0.928	0.747	0.358	1.384	0.2567	2.009	0.465	1.555	0.2259	1.842	0.285	0.655	HREE-enriched
Horn Plateau	21735-122	1755	54.04	0.327	13.67	27.44	0.334	bdl	bdl	0.2428	0.1035	1.176	0.863	0.383	1.446	0.288	2.236	0.534	1.677	0.248	1.887	0.291	0.551	HREE-enriched
Horn Plateau	21735-141	871.2	33.33	0.365	55.29	148.1	0.201	bdl	bdl	0.28	0.1373	1.729	2.039	1.082	4.91	1.126	9.24	2.241	7.15	1.083	8.02	1.23	1.647	HREE-enriched
Horn Plateau	21735-147	2727	51.16	0.41	14.06	35.51	0.392	bdl	bdl	0.342	0.1326	1.329	0.976	0.482	1.825	0.359	2.559	0.568	1.696	0.244	1.879	0.284	0.832	HREE-enriched
Horn Plateau	21735-148	933.6	41.67	0.404	13.14	32.57	0.477	bdl	bdl	0.454	0.1854	1.942	1.218	0.477	1.683	0.316	2.226	0.507	1.647	0.2345	1.75	0.269	0.671	HREE-enriched
Horn Plateau	21735-156	473.4	19.05	0.057	9.69	7.64	0.0978	bdl	bdl	0.106	0.0548	0.644	0.51	0.232	0.929	0.2035	1.512	0.35	1.135	0.1786	1.493	0.268	0.183	HREE-enriched
Horn Plateau	21735-161	1977	75.8	0.23	13.17	16.81	0.411	bdl	bdl	0.243	0.0794	0.721	0.487	0.25	1.147	0.2482	2.014	0.495	1.646	0.248	1.905	0.292	0.5	HREE-enriched
Horn Plateau	21735-167	2088	64.23	0.255	17.81	21.49	0.288	bdl	bdl	0.2201	0.0781	0.772	0.528	0.278	1.277	0.3085	2.725	0.667	2.178	0.328	2.429	0.373	0.488	HREE-enriched
Horn Plateau	21735-169	250	27.25	bdl	6.098	1.138	0.277	bdl	bdl	0.0703	0.015	0.092	0.0473	0.0286	0.17	0.0623	0.682	0.2142	0.851	0.1432	1.297	0.212	0.0101	HREE-enriched
Horn Plateau	21735-170	3214	43.68	0.455	28.08	47.6	0.452	bdl	bdl	0.385	0.1467	1.504	1.098	0.582	2.437	0.579	4.82	1.119	3.404	0.466	3.181	0.451	1.107	HREE-enriched
Horn Plateau	21735-173	1187	20.92	0.084	10.194	37.44	0.0265	bdl	bdl	0.0223	0.0185	0.458	0.998	0.499	1.897	0.328	2.191	0.417	1.134	0.15	1.055	0.1437	0.625	HREE-enriched

Horn Plateau	21735-174	1475	50.13	0.36	13.89	22.22	0.45	bdl	bdl	0.437	0.155	1.385	0.712	0.326	1.383	0.302	2.322	0.534	1.618	0.243	1.76	0.269	0.426	HREE-enriched
Horn Plateau	21735-177	2272	44.62	0.387	18.42	32.39	0.281	bdl	bdl	0.359	0.1483	1.438	1	0.46	1.924	0.393	2.956	0.697	2.226	0.325	2.413	0.37	0.609	HREE-enriched
Horn Plateau	21735-184	452.5	33.19	0.057	8.95	3.66	0.167	bdl	bdl	0.1349	0.0292	0.168	0.102	0.0601	0.351	0.1086	1.098	0.32	1.141	0.1901	1.507	0.244	0.053	HREE-enriched
Horn Plateau	21735-192	12.27	17.93	7.26	1.278	6.02	0.298	bdl	bdl	2.241	0.406	3.173	1.284	0.347	0.747	0.0636	0.222	0.0404	0.172	0.0474	0.545	0.1291	0.0447	sinusoidal
Horn Plateau	21735-193	2527	66.13	0.462	10.34	26.55	0.263	bdl	bdl	0.3556	0.1273	1.258	0.633	0.26	0.94	0.1986	1.566	0.404	1.392	0.2117	1.713	0.26	0.736	HREE-enriched
Horn Plateau	21735-195	11.89	19.31	10.172	3.005	0.357	0.377	bdl	bdl	7.883	0.598	0.874	0.042	0.0091	0.0152	0.0075	0.167	0.0956	0.556	0.1208	1.239	0.238	0.006	sinusoidal
Horn Plateau	21735-203	744.9	7.49	0.149	8.997	10.76	0.123	bdl	bdl	0.301	0.1845	1.941	0.98	0.438	1.312	0.2112	1.542	0.346	1.116	0.1798	1.334	0.227	0.26	HREE-enriched
Horn Plateau	21735-206	439.6	23.17	0.286	7.073	11.71	0.1058	bdl	bdl	0.266	0.169	2.427	1.446	0.452	1.108	0.1486	1.071	0.26	0.994	0.179	1.513	0.257	0.231	HREE-enriched
Horn Plateau	21735-222	1834	77.84	0.382	6.923	11.52	0.457	bdl	bdl	0.358	0.1307	1.174	0.706	0.262	0.851	0.1438	1.048	0.266	0.9	0.1378	1.23	0.212	0.249	HREE-enriched
Horn Plateau	21735-224	111.3	12.76	0.088	5.932	1.883	0.0218	bdl	bdl	0.0261	0.0307	0.802	1.649	0.903	3.04	0.164	0.767	0.205	0.844	0.133	1.191	0.209	bdl	HREE-enriched
Horn Plateau	21735-231	774.9	51.79	0.391	17.01	28.76	0.48	bdl	bdl	0.322	0.1463	1.645	1.226	0.458	1.445	0.2746	2.292	0.636	2.242	0.352	2.692	0.426	0.485	HREE-enriched
Horn Plateau	21735-233	2371	75.95	0.046	18.27	8.25	1.808	bdl	bdl	0.0992	0.027	0.266	0.381	0.248	1.129	0.313	2.694	0.692	2.329	0.339	2.482	0.363	0.37	HREE-enriched
Horn Plateau	21735-238	532.1	29.8	0.044	2.897	9.7	0.1272	bdl	bdl	0.1316	0.0513	0.57	0.316	0.1058	0.381	0.0653	0.443	0.1163	0.417	0.0759	0.663	0.1194	0.28	HREE-enriched
Horn Plateau	21735-247	23.4	20.86	0.116	1.409	1.491	0.165	bdl	bdl	0.606	0.1222	0.747	0.2	0.0559	0.115	0.0216	0.106	0.0398	0.261	0.0675	0.808	0.1793	bdl	HREE-enriched
Horn Plateau	21735-248	52.37	12.92	0.0529	5.459	27.7	0.0636	bdl	bdl	0.0177	0.0168	0.585	1.81	0.905	2.981	0.366	1.547	0.2164	0.483	0.0636	0.361	0.0474	0.209	HREE-enriched
Horn Plateau	21735-249	1630	71.2	0.258	14.73	17.97	0.33	bdl	bdl	0.237	0.0887	0.899	0.59	0.25	1.159	0.262	2.169	0.563	1.895	0.284	2.097	0.335	0.489	HREE-enriched
Horn Plateau	21735-254	1968	46.98	0.444	15.55	25.3	0.179	bdl	bdl	0.524	0.168	1.686	1.053	0.476	1.8	0.378	2.61	0.598	1.822	0.277	2.064	0.318	0.482	HREE-enriched
Horn Plateau	21735-260	2094	70.92	0.313	13.48	19.36	0.266	bdl	bdl	0.235	0.0914	0.942	0.599	0.276	1.003	0.2303	1.927	0.516	1.702	0.269	2.006	0.316	0.534	HREE-enriched
Horn Plateau	21735-266	18.58	25.75	0.621	1.033	1.54	0.1104	bdl	bdl	1.735	0.499	2.618	0.29	0.0606	0.097	0.0071	0.056	0.033	0.252	0.0665	0.852	0.199	0.0297	MREE-depleted

Horn Plateau	21735-267	1244.4	60.48	0.237	12.91	12.87	0.411	bdl	bdl	0.436	0.1347	1.122	0.478	0.21	0.889	0.208	1.85	0.485	1.68	0.257	2.015	0.296	0.376	HREE-enriched
Horn Plateau	21735-275	799.4	29.82	bdl	12.646	2.005	0.0568	bdl	bdl	0.0054	0.00103	0.0206	0.096	0.0908	0.552	0.1645	1.68	0.475	1.645	0.2589	1.974	0.316	0.081	HREE-enriched
Horn Plateau	21735-280	1997	74.68	0.411	8.187	27.29	0.433	bdl	bdl	0.332	0.1233	1.251	0.791	0.322	1.16	0.2116	1.434	0.326	0.974	0.1447	1.152	0.1934	0.651	HREE-enriched
Horn Plateau	21735-286	116.4	14.18	5.757	2.124	3.813	0.1177	bdl	bdl	9.86	2.494	5.55	0.329	0.0949	0.235	0.0298	0.243	0.0749	0.398	0.1034	1.153	0.258	0.093	sinusoidal
Horn Plateau	21735-287	2634	53.64	0.358	13.74	29.24	0.318	bdl	bdl	0.3022	0.1095	1.112	0.757	0.369	1.403	0.2977	2.268	0.523	1.602	0.2386	1.754	0.2699	0.659	HREE-enriched
Horn Plateau	21735-291	833.7	63.95	0.324	5.682	7.761	0.505	bdl	bdl	0.452	0.1556	1.335	0.54	0.165	0.571	0.101	0.825	0.2114	0.691	0.117	0.924	0.1494	0.222	HREE-enriched
Horn Plateau	21736-001	1989	45.85	0.714	9.96	53.78	0.656	bdl	bdl	0.641	0.2781	2.961	1.668	0.604	1.836	0.314	1.942	0.393	1.067	0.1422	0.976	0.1409	1.313	sinusoidal
Horn Plateau	21736-002	5.72	16.93	7.87	0.139	0.521	0.042	bdl	bdl	6.31	1.414	5.54	0.314	0.0503	0.067	0.0065	0.0221	0.0029	0.0275	0.0097	0.194	0.076	bdl	sinusoidal
Horn Plateau	21736-003	94.9	32.99	0.764	0.407	2.543	0.325	bdl	bdl	2.128	0.382	1.851	0.358	0.1022	0.181	0.0139	0.063	0.013	0.067	0.0174	0.23	0.0585	0.0278	sinusoidal
Horn Plateau	21736-004	96.8	42.87	6.99	0.617	0.318	0.549	bdl	bdl	11.69	1.486	4.95	0.186	0.0219	0.058	0.0119	0.103	0.0264	0.083	0.0165	0.148	0.0384	0.0085	sinusoidal
Horn Plateau	21736-009	168.7	20.52	0.229	2.788	19.16	0.107	bdl	bdl	0.489	0.217	3.08	2.56	0.674	1.49	0.178	0.73	0.101	0.259	0.0325	0.297	0.0536	0.347	HREE-enriched
Horn Plateau	21736-010	2091	62	0.48	4.437	25.37	0.447	bdl	bdl	0.449	0.1589	1.563	0.939	0.403	1.299	0.19	1.049	0.1685	0.438	0.0642	0.553	0.1029	0.636	HREE-enriched
Horn Plateau	21736-011	1728	77.5	0.641	10.29	19.81	1.119	bdl	bdl	0.924	0.268	2.382	1.393	0.568	2.263	0.379	2.209	0.405	1.017	0.1316	0.836	0.1311	0.581	HREE-enriched
Horn Plateau	21736-013	1304	46.79	0.671	21.13	50.7	0.6	bdl	bdl	0.615	0.246	2.752	2.132	0.943	3.34	0.592	3.939	0.811	2.285	0.314	2.226	0.34	0.959	HREE-enriched
Horn Plateau	21736-014	2099	61.1	0.476	9.5	25.44	0.495	bdl	bdl	0.484	0.1807	1.645	0.989	0.409	1.319	0.249	1.708	0.361	1.154	0.185	1.334	0.213	0.659	HREE-enriched
Horn Plateau	21736-015	54.1	20.63	0.0251	0.205	0.183	0.189	bdl	bdl	0.131	0.0169	0.085	0.0177	0.0066	0.0068	0.00051	0.0091	0.0059	0.0537	0.0175	0.218	0.0611	bdl	MREE-depleted
Horn Plateau	21736-016	1295	66.24	0.66	6.553	14.16	0.716	bdl	bdl	0.717	0.264	2.294	0.957	0.32	0.879	0.1434	1.047	0.249	0.814	0.1233	1.047	0.1713	0.391	sinusoidal
Horn Plateau	21736-017	2086	59.14	0.476	9.106	26.62	0.463	bdl	bdl	0.48	0.1696	1.627	0.934	0.422	1.401	0.233	1.607	0.348	1.085	0.167	1.284	0.204	0.678	HREE-enriched
Horn Plateau	21736-020	2330	64.98	0.629	6.679	42.49	0.446	bdl	bdl	0.535	0.1949	1.883	1.381	0.646	2.325	0.351	1.724	0.259	0.555	0.0639	0.44	0.0796	1.006	sinusoidal

Horn Plateau	21736-024	467.3	55.79	0.402	2.458	23.22	0.393	bdl	bdl	0.427	0.1556	1.675	1.192	0.432	1.075	0.1324	0.523	0.0897	0.273	0.0643	0.749	0.1513	0.461	sinusoidal
Horn Plateau	21736-026	3201	64.6	0.434	13.21	34.04	0.433	bdl	bdl	0.354	0.135	1.178	0.88	0.415	1.552	0.322	2.391	0.522	1.421	0.196	1.227	0.1623	0.962	HREE-enriched
Horn Plateau	21736-027	193.5	22.99	0.05	1.143	1.082	0.756	bdl	bdl	0.312	0.0659	0.323	0.069	0.0273	0.087	0.0189	0.143	0.0412	0.162	0.0361	0.36	0.0883	0.048	HREE-enriched
Horn Plateau	21736-028	2998	83.4	0.577	11.68	46.89	0.624	bdl	bdl	0.555	0.1928	1.861	1.361	0.609	2.088	0.376	2.366	0.446	1.275	0.17	1.212	0.194	1.12	HREE-enriched
Horn Plateau	21736-029	145	33.74	1.3	0.511	10.71	0.15	bdl	bdl	0.966	0.362	3.1	1.13	0.261	0.456	0.0298	0.124	0.0181	0.045	0.007	0.079	0.0189	0.275	sinusoidal
Horn Plateau	21736-031	423.3	69.58	0.213	2.296	3.414	0.657	bdl	bdl	0.533	0.1457	0.805	0.188	0.061	0.178	0.0355	0.282	0.082	0.33	0.0569	0.594	0.1108	0.102	HREE-enriched
Horn Plateau	21736-032	119.6	16.55	0.0807	2.086	15.39	0.0998	bdl	bdl	0.229	0.1347	2.264	2.055	0.904	2.156	0.1849	0.633	0.0775	0.153	0.0216	0.189	0.0399	0.133	sinusoidal
Horn Plateau	21736-033	544.4	53.54	1.031	3.334	39.96	0.881	bdl	bdl	1.641	0.603	3.871	1.676	0.614	1.765	0.207	0.905	0.1296	0.317	0.0508	0.417	0.0869	0.88	sinusoidal
Horn Plateau	21736-034	298.5	58.17	0.65	2.287	32.51	0.758	bdl	bdl	0.576	0.266	3.18	2.294	0.635	1.399	0.151	0.596	0.0766	0.248	0.0493	0.506	0.1099	0.687	HREE-enriched
Horn Plateau	21736-035	2140	70.7	0.388	13.12	28.95	0.527	bdl	bdl	0.405	0.1397	1.351	0.953	0.391	1.498	0.283	2.157	0.49	1.541	0.238	1.724	0.284	0.72	HREE-enriched
Horn Plateau	21736-037	2890	68.9	0.551	8.41	32.68	0.456	bdl	bdl	0.422	0.1672	1.717	1.135	0.518	1.799	0.314	1.885	0.331	0.756	0.0917	0.634	0.1073	0.733	HREE-enriched
Horn Plateau	21736-039	2483	85.8	0.597	9.84	35.26	0.513	bdl	bdl	0.621	0.2	1.855	1.007	0.427	1.412	0.252	1.775	0.374	1.155	0.1724	1.3	0.208	0.933	HREE-enriched
Horn Plateau	21736-040	26.89	17.25	12.67	1.165	6.03	0.246	bdl	bdl	6.789	1.3	7.29	1.708	0.442	1.017	0.0858	0.302	0.0405	0.1	0.0185	0.206	0.0563	0.086	sinusoidal
Horn Plateau	21736-042	1736	70.3	0.49	2.135	26.95	0.422	bdl	bdl	0.457	0.1608	1.624	1.124	0.44	1.256	0.1392	0.635	0.0872	0.157	0.0218	0.201	0.038	0.609	sinusoidal
Horn Plateau	21736-043	984.7	58.57	0.772	3.992	66.56	0.722	bdl	bdl	0.813	0.281	2.973	3	1.297	3.75	0.375	1.376	0.1587	0.312	0.0309	0.227	0.0469	1.378	HREE-enriched
Horn Plateau	21736-047	51.7	45.25	0.527	0.117	2.461	1.52	bdl	bdl	4.715	0.463	1.248	0.135	0.0256	0.042	0.0032	0.0169	0.00182	0.0298	0.0081	0.133	0.0366	0.0215	MREE-depleted
Horn Plateau	21736-049	446.8	41.02	2.521	4.754	78.48	0.485	bdl	bdl	2.954	0.872	7.89	3.97	1.523	4.39	0.455	1.611	0.194	0.378	0.0444	0.248	0.0508	1.384	sinusoidal
Horn Plateau	21739-001	786	61.1	0.635	3.187	28.8	0.559	bdl	0.052	0.719	0.267	2.59	1.58	0.585	1.579	0.187	0.84	0.117	0.317	0.0438	0.391	0.086	0.604	sinusoidal
Horn Plateau	21739-002	2799	71.3	0.578	11.29	32.07	0.444	bdl	0.0387	0.461	0.171	1.702	1.156	0.541	1.863	0.351	2.172	0.418	1.093	0.1322	0.981	0.1396	0.743	HREE-enriched

Horn Plateau	21739-004	327.2	51.44	0.323	1.339	20.09	0.481	bdl	0.0806	0.835	0.268	2.383	1.047	0.323	0.755	0.0736	0.279	0.0517	0.18	0.0398	0.362	0.091	0.531	sinusoidal
Horn Plateau	21739-005	921.9	55.87	0.628	7.09	44.27	0.448	bdl	0.0489	0.579	0.243	2.81	2.049	0.8	2.15	0.279	1.463	0.275	0.783	0.1203	0.949	0.158	0.732	HREE-enriched
Horn Plateau	21739-006	122.4	21.7	0.364	0.793	4.027	0.206	bdl	0.483	2.525	0.411	2.307	0.551	0.133	0.314	0.026	0.121	0.0255	0.115	0.0288	0.369	0.0767	0.087	sinusoidal
Horn Plateau	21739-009	1836	73	1.083	4.131	25.35	0.834	bdl	0.1024	1.126	0.39	3.56	1.597	0.566	1.502	0.2	0.96	0.1572	0.371	0.0541	0.427	0.0686	0.639	sinusoidal
Horn Plateau	21739-013	1573	66	0.473	5.576	34.38	0.492	bdl	0.0393	0.473	0.1708	1.678	1.243	0.516	1.57	0.23	1.299	0.226	0.53	0.0708	0.502	0.0787	0.761	HREE-enriched
Horn Plateau	21739-014	312.3	20.77	0.0534	0.826	0.314	0.289	bdl	0.116	0.666	0.0971	0.335	0.077	0.0235	0.055	0.0103	0.094	0.033	0.172	0.0493	0.569	0.143	0.0033	MREE-depleted
Horn Plateau	21739-015	692	62.9	0.927	0.927	15.68	0.743	bdl	0.0781	0.935	0.326	2.672	0.757	0.236	0.442	0.0465	0.245	0.0347	0.104	0.0191	0.263	0.0602	0.422	sinusoidal
Horn Plateau	21739-016	1883	61.6	0.714	10.42	41.56	0.453	bdl	0.0467	0.59	0.237	2.532	1.724	0.679	1.98	0.305	1.986	0.406	1.033	0.1401	0.931	0.15	0.939	HREE-enriched
Horn Plateau	21739-019	1495	49.87	0.379	46.67	137.1	0.319	bdl	0.0318	0.406	0.173	1.852	2.16	1.148	5.26	1.211	8.79	1.817	4.75	0.583	3.77	0.498	1.949	HREE-enriched
Horn Plateau	21739-020	3055	74.1	0.702	9.71	44.99	0.496	bdl	0.11	0.575	0.184	1.917	1.47	0.648	2.22	0.355	2.15	0.396	0.991	0.13	0.929	0.154	1.012	HREE-enriched
Horn Plateau	21739-021	3166	71.2	0.555	10.32	34.09	0.4	bdl	0.0381	0.444	0.1563	1.46	1.073	0.496	1.688	0.319	1.95	0.403	1.107	0.164	1.189	0.207	0.773	HREE-enriched
Horn Plateau	21739-022	3019	70.9	0.527	10.16	35.35	0.412	bdl	0.0347	0.45	0.17	1.705	1.199	0.557	1.985	0.378	2.296	0.381	0.863	0.1054	0.755	0.1166	0.856	HREE-enriched
Horn Plateau	21739-025	914.8	51.71	0.292	4.476	6.61	0.276	bdl	0.0357	0.394	0.1319	1.1	0.547	0.156	0.445	0.0752	0.617	0.165	0.68	0.1233	1.04	0.195	0.126	HREE-enriched
Horn Plateau	21739-026	270.2	59.3	0.467	4.619	27.56	0.49	bdl	0.059	0.801	0.313	2.8	1.685	0.611	1.72	0.218	1.033	0.174	0.505	0.0896	0.659	0.125	0.441	sinusoidal
Horn Plateau	21739-027	708.6	51.99	0.43	19.86	119.3	0.407	bdl	0.0382	0.53	0.207	2.34	2.4	1.266	4.97	0.886	4.84	0.746	1.612	0.179	1.201	0.201	1.379	HREE-enriched
Horn Plateau	21739-028	88.3	38.4	1.777	1.879	18.26	0.757	bdl	0.1052	2.207	1.207	9.06	1.73	0.474	1.128	0.12	0.558	0.0763	0.147	0.0209	0.158	0.0401	0.234	sinusoidal
Horn Plateau	21739-029	955	68.6	1.284	9.37	12.8	2.297	bdl	0.31	3.19	0.99	5.85	1.04	0.28	0.824	0.151	1.17	0.325	1.335	0.266	2.78	0.531	0.3	sinusoidal
Horn Plateau	21739-030	1154	69.5	0.724	3.209	43.68	0.711	bdl	0.0641	0.753	0.282	3.44	2.24	0.666	1.73	0.194	0.814	0.1335	0.287	0.039	0.277	0.0496	0.926	sinusoidal
Horn Plateau	21739-032	1353	68	0.577	6.97	8.86	0.594	bdl	0.0583	0.603	0.22	1.851	0.629	0.19	0.618	0.125	1.008	0.255	0.863	0.139	1	0.191	0.243	HREE-enriched

Horn Plateau	21739-033	527.5	60.9	1.567	1.709	4.36	0.817	bdl	0.156	1.75	0.463	2.55	0.436	0.105	0.272	0.0397	0.24	0.0665	0.226	0.0432	0.457	0.0891	0.116	sinusoidal
Horn Plateau	21739-035	154	50.6	0.15	0.923	1.699	0.613	bdl	0.0452	0.505	0.165	1.109	0.28	0.087	0.183	0.0184	0.118	0.0326	0.126	0.0397	0.31	0.0723	0.04	sinusoidal
Horn Plateau	21739-037	467.6	73.5	0.669	1.123	14.47	0.594	bdl	0.0583	0.769	0.282	2.79	1.393	0.407	0.898	0.0868	0.31	0.04	0.091	0.019	0.216	0.0616	0.336	sinusoidal
Horn Plateau	21739-038	317.9	32.88	0.153	3.365	8.36	0.285	bdl	0.0744	0.64	0.209	1.435	0.38	0.108	0.293	0.0594	0.435	0.119	0.468	0.0808	0.784	0.154	0.088	sinusoidal
Horn Plateau	21739-039	121.1	38.8	9.61	1.461	12.27	0.528	bdl	0.72	8.84	2.66	19.02	2.55	0.438	0.727	0.0749	0.308	0.0498	0.17	0.0236	0.252	0.0563	0.245	sinusoidal
Horn Plateau	21739-040	1246	72.2	0.504	1.304	9.53	0.521	bdl	0.0515	0.556	0.19	1.516	0.564	0.159	0.413	0.0434	0.223	0.0494	0.16	0.0347	0.29	0.0655	0.2	HREE-enriched
Horn Plateau	21739-041	2541	82.9	0.596	6.24	48.04	0.47	bdl	0.0586	0.69	0.242	2.077	1.284	0.513	1.81	0.28	1.453	0.254	0.518	0.0631	0.44	0.0755	1.107	sinusoidal
Horn Plateau	21739-042	1345	68	0.511	5.02	23.38	0.585	bdl	0.0613	0.552	0.181	1.526	0.952	0.377	1.068	0.165	1	0.191	0.571	0.0789	0.593	0.1042	0.654	HREE-enriched
Horn Plateau	21739-044	124.7	26.3	2.032	0.795	5.19	0.161	bdl	0.182	1.882	0.817	4.77	0.856	0.204	0.443	0.0518	0.195	0.0281	0.091	0.0173	0.222	0.0506	0.086	sinusoidal
Horn Plateau	21739-045	1470	58.22	0.439	6.35	16.54	0.524	bdl	0.0564	0.657	0.219	1.801	0.833	0.33	1.062	0.201	1.173	0.244	0.688	0.1025	0.719	0.129	0.423	sinusoidal
Horn Plateau	21739-047	11.06	19.39	0.196	2.954	55.9	0.127	bdl	0.0335	0.435	0.265	4.37	3.15	1.175	3.61	0.496	1.483	0.111	0.199	0.0218	0.191	0.0414	0.531	HREE-enriched
Horn Plateau	21739-049	897.6	67.8	0.489	2.387	17.03	0.575	bdl	0.0404	0.54	0.198	2.04	0.846	0.263	0.651	0.1017	0.477	0.0931	0.227	0.0341	0.266	0.046	0.395	HREE-enriched
Horn Plateau	21739-052	16.78	21.02	0.089	0.416	0.864	0.563	bdl	0.131	0.33	0.0523	0.348	0.106	0.0285	0.046	0.0051	0.0279	0.0119	0.083	0.026	0.33	0.0712	0.0056	MREE-depleted
Horn Plateau	21739-053	3246	74.6	0.505	11.21	45.93	0.44	bdl	0.0434	0.456	0.17	1.461	1.035	0.45	1.665	0.309	2.094	0.451	1.366	0.184	1.365	0.22	1.189	HREE-enriched
Horn Plateau	21739-055	2038	93.6	0.242	14.16	20.65	0.379	bdl	0.0439	0.358	0.0785	0.617	0.58	0.305	1.347	0.307	2.36	0.538	1.69	0.234	1.66	0.239	0.539	HREE-enriched
Horn Plateau	21739-056	1172	64.7	0.571	5.148	65.25	0.338	bdl	0.0241	0.419	0.209	2.72	1.98	0.747	2.05	0.242	1.178	0.194	0.555	0.0853	0.656	0.123	1.22	HREE-enriched
Horn Plateau	21739-058	1613	64	0.705	3.676	20	0.553	bdl	0.0594	0.622	0.207	1.828	1.043	0.372	0.918	0.123	0.635	0.125	0.42	0.0694	0.622	0.128	0.469	sinusoidal
Horn Plateau	21739-059	373.8	45.79	0.418	3.044	34.8	0.34	bdl	0.0436	0.603	0.246	2.55	1.395	0.46	1.265	0.161	0.728	0.103	0.29	0.0489	0.424	0.0823	0.559	HREE-enriched
Horn Plateau	21739-061	1235	61.7	0.612	6.98	22.08	0.653	bdl	0.0866	0.704	0.229	2.13	1.168	0.49	1.499	0.216	1.342	0.266	0.79	0.112	0.826	0.143	0.536	HREE-enriched

Horn Plateau	21739-062	51.9	25.16	1.619	1.879	17.44	0.42	bdl	0.204	2.721	1.116	8.97	2.4	0.595	1.137	0.122	0.425	0.0654	0.154	0.0343	0.425	0.104	0.239	sinusoidal
Horn Plateau	21739-063	600.6	19.95	0.613	4.7	59.65	0.11	bdl	0.0498	0.688	0.32	3.67	2.28	0.886	2.65	0.31	1.328	0.193	0.352	0.0453	0.313	0.0493	1.194	sinusoidal
Horn Plateau	21739-064	2470	73.7	0.557	19.03	46.93	0.327	bdl	0.0363	0.479	0.184	2.13	1.463	0.648	2.23	0.419	3.02	0.744	2.35	0.34	2.72	0.417	0.964	HREE-enriched
Horn Plateau	21739-066	775.5	71.6	0.491	3.917	9.03	0.601	bdl	0.0541	0.598	0.185	1.56	0.701	0.226	0.626	0.097	0.629	0.137	0.505	0.0917	0.735	0.123	0.258	HREE-enriched
Horn Plateau	21739-067	3141	78.9	0.753	6.83	35.4	0.59	bdl	0.0626	0.693	0.244	2.201	1.296	0.531	1.725	0.276	1.6	0.266	0.658	0.0758	0.499	0.088	0.851	HREE-enriched
Horn Plateau	21739-068	1627	54.1	0.654	7.17	30.79	0.414	bdl	0.0372	0.482	0.217	2.3	1.61	0.624	1.93	0.269	1.521	0.274	0.695	0.0938	0.779	0.129	0.624	HREE-enriched
Horn Plateau	21739-069	6.05	31.32	0.375	0.182	0.917	0.315	bdl	0.0683	0.758	0.208	1.229	0.185	0.0429	0.068	0.0069	0.0258	0.0077	0.037	0.0148	0.254	0.081	0.0093	sinusoidal
Horn Plateau	21739-071	1988	64.6	0.38	9.1	21.62	0.344	bdl	0.0282	0.304	0.1131	1.093	0.723	0.327	1.244	0.212	1.54	0.344	0.996	0.166	1.287	0.203	0.464	HREE-enriched
Horn Plateau	21739-072	1649	84.5	0.442	8.74	21.85	0.411	bdl	0.0367	0.412	0.163	1.56	0.949	0.386	1.198	0.208	1.46	0.327	1.079	0.185	1.496	0.252	0.567	HREE-enriched
Horn Plateau	21739-073	252.5	16.38	0.0448	3.634	1.531	0.0428	bdl	0.013	0.126	0.0318	0.352	0.184	0.071	0.241	0.0448	0.411	0.125	0.532	0.0947	0.85	0.16	0.049	HREE-enriched
Horn Plateau	21739-074	117.5	35.52	0.13	1.079	11.74	0.424	bdl	0.173	1.733	0.39	1.941	0.437	0.103	0.219	0.0208	0.146	0.037	0.165	0.0406	0.408	0.0832	0.17	sinusoidal
Horn Plateau	21739-075	3117	69.4	1.151	9.52	32.94	0.65	bdl	0.15	0.659	0.198	1.78	1.07	0.48	1.89	0.302	2.09	0.372	0.949	0.106	0.726	0.113	0.788	sinusoidal
Horn Plateau	21739-076	179.7	27.62	0.132	0.7	0.999	1.259	bdl	0.22	1.52	0.23	0.817	0.122	0.0318	0.081	0.0123	0.09	0.0165	0.083	0.0191	0.227	0.0474	0.0158	sinusoidal
Horn Plateau	21739-077	364.6	51.7	0.515	3.061	30.59	0.502	bdl	0.0628	0.814	0.331	3.16	1.282	0.43	1.003	0.1079	0.517	0.105	0.399	0.0738	0.689	0.117	0.427	HREE-enriched
Horn Plateau	21739-079	4256	62.3	1.237	21.1	50.18	0.808	bdl	0.1063	1.139	0.375	3.42	2.03	0.884	3.13	0.563	4.04	0.849	2.374	0.307	1.862	0.251	1.284	HREE-enriched
Horn Plateau	21739-080	500.3	42.5	0.589	10.52	45.17	0.522	bdl	0.0505	0.677	0.287	2.91	2.21	0.945	2.84	0.394	2.186	0.338	0.88	0.15	1.224	0.228	0.695	HREE-enriched
Horn Plateau	21739-081	1218.1	72	0.901	1.767	21.39	0.457	bdl	0.0608	0.911	0.361	3.4	1.11	0.313	0.776	0.095	0.435	0.0664	0.157	0.0279	0.259	0.0587	0.532	sinusoidal
Horn Plateau	21739-082	848	72.7	0.485	1.609	14.09	0.55	bdl	0.0455	0.515	0.191	1.75	0.908	0.363	0.874	0.0849	0.36	0.0644	0.199	0.041	0.376	0.093	0.304	HREE-enriched
Horn Plateau	21739-083	2693	54.5	0.64	24.7	43.55	0.561	bdl	0.0471	0.562	0.221	2.14	1.677	0.777	3.22	0.627	4.29	0.922	2.769	0.356	2.64	0.382	0.815	HREE-enriched

Horn Plateau	21739-086	2819	82.6	0.66	9.2	38.36	0.552	bdl	0.053	0.645	0.217	1.78	1.224	0.568	2.18	0.364	2.081	0.364	0.788	0.099	0.648	0.106	0.919	HREE-enriched
Horn Plateau	21739-087	1698	55.9	0.543	14.88	22.33	0.414	bdl	0.0435	0.59	0.227	1.96	1.083	0.425	1.69	0.309	2.39	0.571	1.698	0.24	1.72	0.27	0.462	HREE-enriched
Horn Plateau	21740-002	1369	71.3	0.397	7.9	35.73	0.462	bdl	bdl	0.428	0.147	1.351	0.864	0.383	1.299	0.232	1.442	0.304	0.881	0.127	0.98	0.163	0.908	HREE-enriched
Horn Plateau	21740-004	1030.1	61.85	0.254	9.77	10.19	0.391	bdl	bdl	0.326	0.1124	0.939	0.461	0.202	0.886	0.194	1.467	0.364	1.233	0.1789	1.419	0.2216	0.235	HREE-enriched
Horn Plateau	21740-013	1162.9	75.75	0.34	3.623	42	0.518	bdl	bdl	0.471	0.1505	1.33	0.614	0.201	0.556	0.0839	0.562	0.1325	0.48	0.0824	0.771	0.1378	0.852	HREE-enriched
Horn Plateau	21740-015	1571	59.29	0.387	15.01	68.9	0.38	bdl	bdl	0.321	0.1221	1.432	1.385	0.735	2.954	0.585	3.531	0.539	1.211	0.1512	1.073	0.171	1.197	HREE-enriched
Horn Plateau	21740-016	112.1	33.63	1.223	0.708	2.229	0.378	bdl	bdl	7.705	1.415	5.28	0.273	0.048	0.108	0.0124	0.08	0.0284	0.105	0.0235	0.227	0.0539	0.044	sinusoidal
Horn Plateau	21740-017	89.3	39.5	8.92	1.107	3.14	0.481	bdl	bdl	14.88	2.238	11.04	1.072	0.191	0.32	0.0343	0.169	0.0412	0.152	0.0277	0.271	0.0637	0.062	sinusoidal
Horn Plateau	21740-020	219.9	45.7	0.0485	3.069	1.758	0.209	bdl	bdl	0.399	0.0509	0.234	0.082	0.0335	0.19	0.0411	0.428	0.1098	0.416	0.0779	0.658	0.1209	0.069	sinusoidal
Horn Plateau	21740-025	1463	72.38	0.504	3.666	25.1	0.495	bdl	bdl	0.506	0.1826	1.812	1.099	0.458	1.366	0.181	0.856	0.1356	0.349	0.0478	0.44	0.0848	0.578	HREE-enriched
Horn Plateau	21740-026	886.9	9.92	0.057	14.85	15.7	0.0233	bdl	bdl	0.0306	0.0146	0.317	0.589	0.319	1.312	0.294	2.292	0.556	1.815	0.267	2.18	0.33	0.209	HREE-enriched
Horn Plateau	21740-028	2071	75.71	0.266	9.64	29.3	0.296	bdl	bdl	0.206	0.0814	0.88	0.627	0.281	1.046	0.2124	1.517	0.369	1.182	0.179	1.468	0.229	0.636	HREE-enriched
Horn Plateau	21740-029	1380	76.2	0.316	2.399	25.36	0.333	bdl	bdl	0.246	0.0896	0.89	0.794	0.354	0.991	0.1259	0.59	0.0911	0.224	0.0243	0.251	0.0516	0.594	HREE-enriched
Horn Plateau	21740-031	256.3	66.27	1.542	0.965	4.543	1.276	bdl	bdl	1.783	0.471	2.774	0.616	0.153	0.343	0.0414	0.197	0.0329	0.105	0.0206	0.198	0.0495	0.085	sinusoidal
Horn Plateau	21740-032	161.6	45.84	2.998	0.698	11.96	1.248	bdl	bdl	9.37	1.643	7.32	1.041	0.239	0.48	0.0457	0.177	0.0252	0.0703	0.0136	0.176	0.0435	0.231	sinusoidal
Horn Plateau	21740-033	715.6	24.84	0.246	3.753	14.16	0.1417	bdl	bdl	0.729	0.1695	1.384	0.502	0.149	0.539	0.0887	0.609	0.141	0.459	0.0888	0.828	0.1643	0.319	sinusoidal
Horn Plateau	21740-036	245.7	42.19	4.733	2.477	46	2.323	bdl	bdl	19.62	3.969	20.15	2.99	0.71	1.42	0.1327	0.582	0.0971	0.25	0.0409	0.347	0.0659	1.64	sinusoidal
Horn Plateau	21740-037	1022.3	74.7	0.276	4.004	24.42	0.472	bdl	bdl	0.778	0.272	1.931	0.676	0.205	0.678	0.1038	0.678	0.1472	0.486	0.0785	0.677	0.1406	0.625	sinusoidal
Horn Plateau	21740-038	1416	75.56	0.422	3.378	15.52	0.481	bdl	bdl	0.467	0.1647	1.491	0.733	0.227	0.607	0.0941	0.559	0.1203	0.41	0.0647	0.617	0.1077	0.386	HREE-enriched

Horn Plateau	21740-039	1456	58.93	0.138	17.26	14.42	0.258	bdl	bdl	0.234	0.0595	0.502	0.417	0.241	1.162	0.298	2.59	0.646	2.154	0.308	2.336	0.358	0.373	HREE-enriched
Horn Plateau	21740-040	547.8	61.2	0.44	0.677	8.92	0.495	bdl	bdl	0.542	0.1831	1.829	0.725	0.201	0.416	0.0335	0.132	0.0234	0.101	0.023	0.303	0.0663	0.255	sinusoidal
Horn Plateau	21740-041	1419	66.2	0.629	7.96	47.79	0.616	bdl	bdl	0.658	0.2265	2.27	1.929	0.816	2.63	0.397	2.074	0.29	0.641	0.0739	0.428	0.0685	1.219	HREE-enriched
Horn Plateau	21740-042	21.3	73.5	3.693	1.086	2.48	1.062	bdl	bdl	5.82	0.66	1.975	0.221	0.0656	0.103	0.0081	0.048	0.0264	0.24	0.0674	1.028	0.239	0.0153	sinusoidal
Horn Plateau	21740-044	154.1	32.51	1.786	2.23	21.4	0.512	bdl	bdl	2.378	0.729	5.16	1.191	0.297	0.647	0.0707	0.366	0.0724	0.33	0.0806	0.968	0.199	0.377	sinusoidal
Horn Plateau	21740-049	318.7	19.72	10.34	18.04	244.4	0.668	bdl	bdl	3.33	1.716	21.73	11.7	3.665	10.6	1.198	5.08	0.703	1.267	0.14	0.837	0.134	5.02	sinusoidal
Horn Plateau	21740-050	2143	73.57	0.868	2.914	23.26	0.719	bdl	bdl	0.877	0.308	2.92	1.014	0.323	0.827	0.1102	0.64	0.1133	0.339	0.0524	0.51	0.0956	0.79	sinusoidal
Horn Plateau	21740-052	276.5	33.45	0.821	1.595	2.073	0.224	bdl	bdl	3.318	0.698	3.76	0.565	0.142	0.282	0.0244	0.163	0.0515	0.275	0.0673	0.84	0.1768	0.0258	HREE-enriched
Horn Plateau	21740-054	900.1	26.67	bdl	10.69	9.7	0.0648	bdl	bdl	0.0205	0.008	0.146	0.241	0.1354	0.798	0.1943	1.617	0.396	1.348	0.207	1.618	0.257	0.323	HREE-enriched
Horn Plateau	21740-055	1739	56.7	0.792	7.007	38.43	0.671	bdl	bdl	0.735	0.252	2.536	1.448	0.558	1.632	0.248	1.495	0.279	0.693	0.088	0.543	0.0985	0.861	HREE-enriched
Horn Plateau	21740-056	1485	74.03	0.506	3.495	15.29	0.496	bdl	bdl	0.53	0.1834	1.672	0.874	0.313	0.891	0.1146	0.66	0.1298	0.41	0.0671	0.571	0.1142	0.34	HREE-enriched
Horn Plateau	21740-058	391.5	72.13	0.796	1.128	28.94	0.68	bdl	bdl	0.862	0.353	3.188	0.904	0.198	0.401	0.0459	0.243	0.0411	0.117	0.014	0.13	0.0207	0.894	sinusoidal
Horn Plateau	21740-059	1165	69.03	0.45	7.191	12.79	0.645	bdl	bdl	0.768	0.248	1.947	0.965	0.356	1.303	0.1875	1.242	0.274	0.823	0.1291	1.004	0.163	0.314	sinusoidal
Horn Plateau	21740-060	1372	38.19	0.256	9.06	32.04	0.262	bdl	bdl	0.203	0.0738	0.78	0.59	0.272	1.096	0.2176	1.592	0.354	1.069	0.154	1.105	0.1669	0.71	HREE-enriched
Horn Plateau	21740-061	1641	28.82	0.366	15.97	35.83	0.189	bdl	bdl	0.1806	0.0724	0.907	0.851	0.401	1.531	0.319	2.517	0.616	1.956	0.291	2.209	0.335	0.607	HREE-enriched
Horn Plateau	21740-062	1964	74.16	0.404	12.82	18.96	0.547	bdl	bdl	0.377	0.1391	1.37	0.76	0.292	1.096	0.251	2.036	0.485	1.551	0.25	1.876	0.305	0.547	HREE-enriched
Horn Plateau	21740-064	17.61	13.43	0.61	0.325	8.1	0.1514	bdl	bdl	1.769	0.568	4.125	0.797	0.1687	0.294	0.0209	0.0668	0.0099	0.0509	0.0187	0.241	0.0631	0.152	sinusoidal
Horn Plateau	21740-066	125.8	27.21	0.809	2.612	14.9	0.457	bdl	bdl	1.801	0.539	3.95	1.361	0.4	0.84	0.0886	0.418	0.0752	0.348	0.0826	0.918	0.195	0.195	sinusoidal
Horn Plateau	21740-067	268.8	14.28	5.593	0.507	0.61	0.0787	bdl	bdl	6.792	0.637	1.845	0.103	0.017	0.033	0.0073	0.058	0.0196	0.074	0.0207	0.197	0.0447	0.0055	sinusoidal

Horn Plateau	21740-068	560.1	57.84	0.68	2.068	20.3	0.661	bdl	bdl	1.049	0.385	3.378	1.158	0.353	0.917	0.1127	0.506	0.0759	0.182	0.0231	0.195	0.0403	0.458	sinusoidal
Horn Plateau	21740-069	854.3	64.72	0.366	4.881	9.05	0.891	bdl	bdl	0.689	0.1867	1.455	0.654	0.228	0.721	0.1101	0.802	0.1903	0.606	0.0998	0.841	0.1389	0.22	sinusoidal
Horn Plateau	21740-070	244.7	12.62	bdl	1.877	13	0.232	bdl	bdl	0.199	0.156	1.631	0.526	0.131	0.403	0.0429	0.305	0.0685	0.29	0.0676	0.702	0.1689	0.206	sinusoidal
Horn Plateau	21740-071	1331	53.3	0.618	11.62	30.93	0.603	bdl	bdl	0.899	0.292	2.428	1.091	0.403	1.46	0.273	1.92	0.432	1.411	0.208	1.468	0.22	0.591	sinusoidal
Horn Plateau	21740-073	667.1	32.7	bdl	12.23	2.29	0.0552	bdl	bdl	0.0339	0.0092	0.072	0.117	0.083	0.562	0.17	1.61	0.447	1.499	0.249	2	0.325	0.057	HREE-enriched
Horn Plateau	21740-074	197.3	32.74	0.0209	2.72	1.6	0.0863	bdl	bdl	0.0942	0.0198	0.101	0.055	0.0282	0.157	0.0413	0.333	0.097	0.376	0.0706	0.651	0.1179	0.045	HREE-enriched
Horn Plateau	21740-075	1972	72.3	0.41	7.691	24.5	0.396	bdl	bdl	0.387	0.1262	1.241	0.791	0.346	1.261	0.2124	1.443	0.29	0.865	0.1293	0.998	0.1624	0.604	HREE-enriched
Horn Plateau	21740-077	1648	73.2	0.654	5.281	43.83	0.616	bdl	bdl	0.678	0.2399	2.249	1.524	0.657	2.113	0.292	1.442	0.2001	0.474	0.0541	0.499	0.0949	1.036	sinusoidal
Horn Plateau	21740-078	8.51	21.55	0.179	0.0896	0.649	0.443	bdl	bdl	0.851	0.1936	0.911	0.08	0.011	0.0199	bdl	0.0132	0.0034	0.0149	0.0024	0.062	0.0269	0.0056	sinusoidal
Horn Plateau	21740-079	944.5	13.22	0.0568	11.43	36.62	0.0485	bdl	bdl	0.0225	0.0159	0.472	1.293	0.709	2.76	0.446	2.639	0.465	1.219	0.1696	1.265	0.2127	0.512	HREE-enriched
Horn Plateau	21740-082	228.9	22.77	0.0739	0.968	5.569	0.226	bdl	bdl	0.674	0.21	1.416	0.266	0.0751	0.198	0.0264	0.156	0.0338	0.142	0.0269	0.336	0.0653	0.135	sinusoidal
Horn Plateau	21740-083	385.3	37.99	0.305	7.26	43.92	0.354	bdl	bdl	0.499	0.212	1.96	1.302	0.502	1.49	0.22	1.316	0.262	0.729	0.125	1.076	0.173	0.594	HREE-enriched
Horn Plateau	21740-085	985	32.77	0.042	12.78	13.5	0.0385	bdl	bdl	0.0092	0.0044	0.115	0.239	0.157	0.867	0.229	1.94	0.488	1.584	0.241	1.743	0.279	0.223	HREE-enriched
Horn Plateau	21740-088	441.5	12.12	0.0411	12	39.44	0.0279	bdl	bdl	0.012	0.0057	0.242	1.004	0.541	2.063	0.395	2.595	0.487	1.249	0.1336	0.848	0.1218	0.487	HREE-enriched
Horn Plateau	21740-092	595.6	72.7	0.83	1.441	15.56	0.828	bdl	bdl	0.87	0.285	2.038	0.664	0.24	0.619	0.083	0.371	0.0607	0.124	0.0161	0.167	0.0401	0.36	sinusoidal
Horn Plateau	21740-096	145.8	28.93	1.571	0.706	3.574	0.1385	bdl	bdl	0.998	0.291	1.844	0.453	0.1225	0.287	0.0234	0.116	0.0239	0.116	0.0335	0.389	0.1055	0.087	sinusoidal
Horn Plateau	21740-098	1080.2	67.4	0.989	2.381	23.46	0.98	bdl	bdl	1.228	0.453	4.115	1.277	0.341	0.76	0.1042	0.508	0.0902	0.28	0.0487	0.398	0.0819	0.578	sinusoidal
Horn Plateau	21740-100	2730	75.48	0.445	12.02	48.43	0.498	bdl	bdl	0.426	0.1336	1.209	0.925	0.398	1.23	0.2246	1.822	0.461	1.635	0.262	2.025	0.321	0.827	HREE-enriched
Horn Plateau	21740-102	848.9	62.02	0.451	2.789	25.63	0.49	bdl	bdl	0.448	0.1588	1.864	1.393	0.504	1.388	0.1649	0.714	0.1116	0.268	0.0397	0.367	0.0748	0.447	HREE-enriched

Horn Plateau	21740-104	2656	85.5	0.292	10.43	31.29	0.271	bdl	bdl	0.214	0.0874	0.869	0.654	0.302	1.351	0.25	1.816	0.409	1.205	0.181	1.47	0.23	0.752	HREE-enriched
Horn Plateau	21740-105	2284	72.8	0.362	15.25	37	1.94	bdl	bdl	0.428	0.123	1.011	0.869	0.405	1.649	0.361	2.75	0.591	1.728	0.247	1.955	0.284	0.818	HREE-enriched
Horn Plateau	21740-106	1710	58.7	0.672	2.973	24.28	0.509	bdl	bdl	0.642	0.2426	2.344	1.412	0.524	1.341	0.1513	0.733	0.1087	0.3	0.0462	0.455	0.0861	0.553	sinusoidal
Horn Plateau	21740-107	1774	76.8	0.526	1.767	7.44	0.565	bdl	bdl	0.646	0.2232	1.758	0.589	0.162	0.434	0.0597	0.315	0.0604	0.208	0.0385	0.388	0.0842	0.179	sinusoidal
Horn Plateau	21740-113	1013	74.2	0.439	2.882	9.8	0.481	bdl	bdl	0.487	0.1604	1.615	0.761	0.214	0.483	0.0763	0.452	0.1055	0.374	0.0664	0.584	0.1081	0.24	sinusoidal
Horn Plateau	21740-114	2094	72.9	0.524	11.52	38.68	0.34	bdl	bdl	0.362	0.1591	2.14	1.446	0.421	1.291	0.235	1.869	0.434	1.459	0.223	1.809	0.265	0.961	HREE-enriched
Horn Plateau	21740-115	2140	65.72	0.467	7.323	73.18	0.376	bdl	bdl	0.37	0.1466	1.645	1.351	0.517	1.767	0.282	1.508	0.276	0.735	0.1101	0.774	0.1263	1.965	HREE-enriched
Horn Plateau	21740-117	186.2	36.11	0.277	3.88	15.55	0.383	bdl	bdl	0.976	0.31	2.443	0.887	0.283	0.592	0.0876	0.594	0.144	0.464	0.0802	0.724	0.1318	0.125	sinusoidal
Horn Plateau	21740-118	22.15	24.85	2.06	0.711	12.61	0.16	bdl	bdl	3.497	1.18	8.58	2.186	0.54	1.102	0.0712	0.193	0.0237	0.142	0.0403	0.55	0.1262	0.323	sinusoidal
Horn Plateau	21740-119	1625	66.1	0.465	1.812	23.16	0.417	bdl	bdl	0.425	0.1549	1.507	1.001	0.404	1.117	0.1259	0.486	0.0705	0.169	0.0221	0.223	0.046	0.536	HREE-enriched
Horn Plateau	21740-120	1574	55.9	0.493	12.82	31.48	0.434	bdl	bdl	0.444	0.1675	1.666	1.051	0.459	1.754	0.325	2.236	0.486	1.498	0.221	1.525	0.237	0.616	HREE-enriched
Horn Plateau	21740-121	301.4	32.43	0.112	6.78	16.29	0.26	bdl	bdl	0.437	0.1008	0.762	0.401	0.173	0.602	0.1404	1.025	0.215	0.665	0.108	0.858	0.1342	0.28	HREE-enriched
Horn Plateau	21740-124	340.3	74.34	0.405	4.842	23.77	0.498	bdl	bdl	0.529	0.2	1.912	0.774	0.29	1.069	0.1752	1.008	0.18	0.482	0.0781	0.658	0.1122	0.394	HREE-enriched
Horn Plateau	21740-126	210.5	21.65	0.774	3.191	20.61	0.195	bdl	bdl	1.801	1.093	13.42	4.27	0.973	1.835	0.181	0.751	0.1064	0.335	0.0512	0.512	0.1098	0.462	sinusoidal
Horn Plateau	21740-129	2249	47.27	0.479	34.05	117.9	0.38	bdl	bdl	0.595	0.235	2.746	2.867	1.493	5.88	1.134	7.55	1.37	3.376	0.396	2.557	0.377	1.831	HREE-enriched
Horn Plateau	21740-133	204.3	34.22	0.189	1.541	13.18	0.35	bdl	bdl	1.387	0.353	2.257	0.658	0.199	0.432	0.056	0.302	0.0542	0.158	0.0305	0.335	0.0681	0.171	sinusoidal
Horn Plateau	21740-134	20.42	34.1	1.35	1.074	5.396	0.491	bdl	bdl	2.528	0.662	3.916	0.747	0.172	0.311	0.0285	0.13	0.0328	0.176	0.0468	0.568	0.1215	0.084	HREE-enriched
Horn Plateau	21740-136	1218.7	65.3	0.375	8.25	47.9	0.397	bdl	bdl	0.355	0.1271	1.283	1.094	0.535	1.847	0.323	1.754	0.321	0.851	0.1079	0.827	0.1363	1.239	HREE-enriched
Horn Plateau	21740-138	1225.9	15.86	0.0421	10.66	22.85	0.0294	bdl	bdl	0.0733	0.0588	1.044	1.177	0.49	1.831	0.31	2.031	0.402	1.118	0.1496	1.099	0.1772	0.408	HREE-enriched

Horn Plateau	21740-141	2451	83	0.415	12.13	39.13	0.391	bdl	bdl	0.368	0.1364	1.351	0.908	0.422	1.522	0.286	2.162	0.474	1.431	0.214	1.582	0.253	0.87	HREE-enriched
Horn Plateau	21740-143	1702	69.29	0.289	8.8	22.93	0.308	bdl	bdl	0.216	0.0814	0.776	0.565	0.248	0.982	0.197	1.445	0.323	1.062	0.161	1.367	0.207	0.559	HREE-enriched
Horn Plateau	21740-147	734.7	33.17	0.0382	5.676	4.029	0.1323	bdl	bdl	0.1163	0.0495	0.686	0.524	0.206	0.624	0.0999	0.809	0.205	0.745	0.117	1.018	0.1673	0.119	HREE-enriched
Horn Plateau	21740-150	23.11	48.83	5.914	0.326	0.626	0.302	bdl	bdl	5.924	0.711	2.451	0.161	0.0216	0.0054	0	0.0083	0.0083	0.096	0.033	0.386	0.1191	0.0103	MREE-depleted
Horn Plateau	21740-152	65.9	34.3	0.974	17.79	69.9	0.74	bdl	bdl	1.522	0.736	8.38	6.22	2.717	8.68	1.178	5.48	0.77	1.482	0.188	1.434	0.257	0.589	sinusoidal
Horn Plateau	21740-153	235.6	47.53	1.877	2.646	47.44	1.27	bdl	bdl	3.925	1.366	7.94	1.77	0.493	1.071	0.1209	0.632	0.1096	0.253	0.0317	0.224	0.0381	1.107	sinusoidal
Horn Plateau	21740-155	327.8	35.22	0.679	23.75	67.72	0.738	bdl	bdl	0.877	0.397	4.33	3.19	1.441	5.01	0.829	4.93	0.859	2.063	0.253	1.67	0.266	0.712	HREE-enriched
Horn Plateau	21740-156	664.8	43.89	0.846	5.272	48.92	1.002	bdl	bdl	1.068	0.47	5.13	2.739	0.847	2.184	0.268	1.323	0.209	0.518	0.0627	0.565	0.1	1.006	HREE-enriched
Horn Plateau	21740-157	20.47	39.4	2.399	0.0827	1.158	0.088	bdl	bdl	2.553	0.506	2.86	0.32	0.0716	0.07	0.00082	0.013	bdl	0.0172	0.0052	0.101	0.029	0.0133	MREE-depleted
Horn Plateau	21740-158	807.7	70	0.518	3.764	13.11	0.589	bdl	bdl	0.606	0.2223	1.867	0.689	0.22	0.611	0.0853	0.571	0.1323	0.496	0.0932	0.872	0.1696	0.325	HREE-enriched
Horn Plateau	21740-161	171.7	53.74	0.582	2.379	29.43	0.727	bdl	bdl	0.653	0.265	3.02	1.864	0.622	1.497	0.1543	0.609	0.0881	0.22	0.0394	0.401	0.0845	0.502	sinusoidal
Horn Plateau	21740-162	1772	74.2	0.677	4.982	29.57	0.647	bdl	bdl	0.726	0.25	2.278	1.274	0.506	1.414	0.1953	1.092	0.192	0.519	0.0801	0.618	0.1083	0.692	sinusoidal
Horn Plateau	21740-163	1692	60.75	0.591	11.6	57.28	0.407	bdl	bdl	0.494	0.1898	2.048	1.509	0.746	3.05	0.54	2.929	0.451	0.974	0.1089	0.746	0.1102	1.237	HREE-enriched
Horn Plateau	21740-165	28.01	26.98	0.831	14.27	69.35	0.558	bdl	bdl	1.509	0.644	7.61	5.91	2.511	7.31	0.908	3.954	0.548	1.083	0.1136	0.701	0.1195	0.741	sinusoidal
Horn Plateau	21740-167	1038.8	88.5	0.215	6.903	6.53	0.66	bdl	bdl	0.368	0.0944	0.679	0.315	0.152	0.629	0.1297	1.09	0.264	0.821	0.1271	1.045	0.178	0.236	HREE-enriched
Horn Plateau	21740-168	2152	73.1	0.693	8.69	22.03	0.817	bdl	bdl	0.85	0.306	2.715	1.325	0.451	1.393	0.22	1.462	0.328	1.055	0.155	1.192	0.185	0.708	HREE-enriched
Horn Plateau	21740-169	1378	85.1	0.492	0.792	32.69	0.436	bdl	bdl	0.436	0.1472	1.601	1.046	0.351	0.721	0.071	0.255	0.0279	0.068	0.0173	0.218	0.0635	0.664	sinusoidal
Horn Plateau	21740-170	56.5	42.46	8.191	0.583	1.501	0.329	bdl	bdl	14.48	1.957	6.46	0.351	0.0629	0.134	0.0161	0.1	0.0196	0.065	0.0118	0.147	0.0341	0.0276	sinusoidal
Horn Plateau	21740-171	1985	68.39	0.413	3.276	125.83	0.442	bdl	bdl	0.452	0.1419	1.279	0.689	0.274	0.868	0.1253	0.702	0.1256	0.365	0.0518	0.433	0.0715	2.967	sinusoidal

Horn Plateau	21740-173	1750	96.4	0.408	11.09	28.62	0.415	bdl	bdl	0.314	0.1141	1.302	0.961	0.439	1.453	0.259	1.712	0.403	1.375	0.234	1.93	0.33	0.62	HREE-enriched
Horn Plateau	21740-175	33.93	25.22	12.47	0.326	9.88	0.072	bdl	bdl	15.86	2.804	12.96	1.585	0.296	0.427	0.0258	0.074	0.009	0.0378	0.0081	0.138	0.0523	0.119	sinusoidal
Horn Plateau	21740-176	1743	71.87	0.312	16.76	18.35	0.311	bdl	bdl	0.255	0.1037	1.06	0.74	0.296	1.096	0.239	2.246	0.617	2.32	0.359	2.682	0.422	0.495	HREE-enriched
Horn Plateau	21740-179	486.8	21.69	0.074	5.47	16.69	0.077	bdl	bdl	0.326	0.0858	0.692	0.327	0.11	0.484	0.0901	0.708	0.189	0.771	0.148	1.37	0.284	0.376	HREE-enriched
Horn Plateau	21740-181	535.7	33.62	0.599	1.384	24.1	0.446	bdl	bdl	0.964	0.397	5.272	2.116	0.553	1.239	0.1143	0.437	0.0447	0.087	0.0131	0.131	0.0292	0.326	sinusoidal
Horn Plateau	21740-182	3733	86.6	0.835	23.31	108	0.685	bdl	bdl	0.632	0.247	2.56	2.46	1.114	4.27	0.735	4.82	0.874	2.39	0.301	2.2	0.323	2.006	HREE-enriched
Horn Plateau	21740-185	302	89.6	0.278	1.917	5.76	0.6	bdl	bdl	0.484	0.155	1.308	0.274	0.0611	0.182	0.0221	0.221	0.0658	0.285	0.0606	0.577	0.1133	0.153	HREE-enriched
Horn Plateau	21740-186	448.1	12.13	0.42	2.526	2.83	0.1386	bdl	bdl	2.378	0.462	2.546	0.43	0.1076	0.301	0.0498	0.397	0.0989	0.32	0.0583	0.489	0.0856	0.159	sinusoidal
Horn Plateau	21740-187	1580	89.5	0.544	13.37	28.02	0.761	bdl	bdl	0.683	0.2418	2.225	1.439	0.574	2.027	0.326	2.337	0.507	1.453	0.186	1.169	0.152	0.605	sinusoidal
Horn Plateau	21740-188	2759	47.74	0.68	25.29	46.58	0.572	bdl	bdl	0.613	0.2194	2.27	1.695	0.807	3.033	0.598	4.43	0.974	2.9	0.413	2.987	0.484	0.928	HREE-enriched
Horn Plateau	21740-189	71.9	44.02	1.525	0.276	4.58	0.737	bdl	bdl	3.25	0.992	5.93	0.767	0.163	0.316	0.0284	0.087	0.011	0.0298	0.0067	0.096	0.0319	0.077	sinusoidal
Horn Plateau	21740-190	540.4	39.33	0.146	8.4	8.18	0.336	bdl	bdl	0.57	0.19	1.452	0.549	0.206	0.663	0.123	1.086	0.309	1.095	0.175	1.458	0.234	0.135	HREE-enriched
Horn Plateau	21740-191	1864	62.99	0.515	7.039	19.65	0.372	bdl	bdl	0.601	0.196	1.754	0.754	0.318	1.156	0.2051	1.358	0.272	0.766	0.1133	0.857	0.1294	0.52	HREE-enriched
Horn Plateau	21740-192	55.4	48	6.73	1.413	3.69	0.364	bdl	bdl	3.663	0.731	3.51	0.615	0.18	0.284	0.0198	0.075	0.043	0.279	0.099	1.202	0.285	0.065	MREE-depleted
Horn Plateau	21740-193	57.3	15.68	0.13	1.158	0.902	0.131	bdl	bdl	0.723	0.159	0.529	0.034	0.0102	0.039	0.0072	0.079	0.0314	0.214	0.0571	0.542	0.1125	0.0195	MREE-depleted
Horn Plateau	21740-194	452.3	92.3	1.126	1.23	5.79	0.827	bdl	bdl	1.029	0.313	2.631	0.736	0.22	0.466	0.0403	0.197	0.0464	0.173	0.0447	0.469	0.1031	0.133	sinusoidal
Horn Plateau	21740-195	2782	59.8	0.672	6.877	28.91	0.493	bdl	bdl	0.611	0.224	2.168	1.38	0.588	1.976	0.308	1.659	0.272	0.633	0.0765	0.525	0.0872	0.681	HREE-enriched
Horn Plateau	21740-197	297.3	45.64	0.522	2.224	9.05	0.458	bdl	bdl	0.59	0.2269	2.216	0.987	0.307	0.801	0.0987	0.517	0.086	0.225	0.036	0.282	0.0544	0.144	sinusoidal
Horn Plateau	21740-198	1337	63.78	0.523	3.671	18.5	0.475	bdl	bdl	0.563	0.199	2.047	1.315	0.438	1.176	0.1492	0.791	0.1352	0.43	0.0677	0.515	0.0991	0.379	HREE-enriched

Horn Plateau	21740-199	3227	57.27	0.723	24.37	73.57	0.4	bdl	bdl	0.716	0.268	2.627	2.078	0.986	3.65	0.701	4.68	0.935	2.648	0.364	2.545	0.37	1.435	HREE-enriched
Horn Plateau	21740-201	732.4	36.45	0.0765	7.112	20	0.259	bdl	bdl	0.575	0.155	0.978	0.33	0.117	0.42	0.1022	0.917	0.247	0.952	0.166	1.451	0.231	0.18	HREE-enriched
Horn Plateau	21740-202	247.3	46.14	9.72	0.804	1.62	0.306	bdl	bdl	9.57	0.976	1.672	0.131	0.0357	0.14	0.0162	0.118	0.0237	0.116	0.025	0.258	0.0597	0	sinusoidal
Horn Plateau	21740-203	581.6	83.5	0.113	14.4	3.282	0.336	bdl	bdl	0.247	0.0734	0.493	0.189	0.095	0.561	0.184	1.913	0.51	1.817	0.275	2.249	0.339	0.092	HREE-enriched
Horn Plateau	21740-205	1717	57.3	0.712	22.11	45.91	0.831	bdl	bdl	0.729	0.273	2.71	1.725	0.769	2.68	0.507	3.58	0.765	2.432	0.345	2.59	0.382	0.569	HREE-enriched
Horn Plateau	21740-207	2609	104.1	0.45	16.18	30.77	0.51	bdl	bdl	0.379	0.132	1.299	0.853	0.394	1.427	0.3	2.439	0.621	2.041	0.31	2.327	0.387	0.82	HREE-enriched
Horn Plateau	21740-209	438.3	20.57	0.229	1.202	10.64	0.1879	bdl	bdl	0.2173	0.0846	0.869	0.547	0.1903	0.531	0.0661	0.302	0.0458	0.1143	0.0151	0.1258	0.0245	0.221	sinusoidal
Horn Plateau	21740-210	1699	48.86	0.805	5.135	26.35	0.609	bdl	bdl	0.842	0.297	2.701	1.519	0.549	1.502	0.2155	1.172	0.1887	0.479	0.0682	0.458	0.0792	0.654	sinusoidal
Horn Plateau	21740-211	37.9	58.25	0.34	0.61	3.07	0.849	bdl	bdl	1.75	0.507	2.943	0.339	0.0562	0.078	0.0064	0.0374	0.0218	0.119	0.0334	0.337	0.0708	0.0227	sinusoidal
Horn Plateau	21740-212	84.7	33.76	2.857	0.313	36.84	0.459	bdl	bdl	2.525	0.464	2.317	0.347	0.093	0.208	0.0185	0.075	0.0109	0.0218	0.0031	0.067	0.0164	0.858	sinusoidal
Horn Plateau	21740-214	1843	35.26	0.409	9.493	20.62	0.137	bdl	bdl	0.541	0.183	1.158	0.924	0.583	1.765	0.357	2.087	0.401	0.964	0.144	0.785	0.138	0.544	HREE-enriched
Horn Plateau	21740-215	3757	106.8	0.488	11.34	28.4	0.511	bdl	bdl	0.505	0.177	1.519	0.958	0.421	1.414	0.274	1.869	0.428	1.31	0.204	1.531	0.251	0.714	HREE-enriched
Horn Plateau	21740-216	3750	77.9	0.544	12.77	29.59	0.496	bdl	bdl	0.432	0.142	1.193	0.846	0.413	1.395	0.303	2.19	0.504	1.56	0.231	1.718	0.262	0.748	HREE-enriched
Horn Plateau	21740-217	1017.9	40.1	0.275	6.656	17.34	0.283	bdl	bdl	0.261	0.108	0.754	0.567	0.279	0.928	0.1813	1.181	0.264	0.792	0.1152	0.865	0.134	0.416	sinusoidal
Horn Plateau	21740-218	170.2	36.5	2.027	1.152	12.7	0.668	bdl	bdl	6.892	1.239	5.37	0.973	0.284	0.569	0.0676	0.25	0.0619	0.152	0.039	0.347	0.0796	0.122	sinusoidal
Horn Plateau	21740-220	1853	47.19	0.83	11.07	69.72	0.788	bdl	bdl	0.983	0.364	3.39	2.307	1.005	3.07	0.485	2.633	0.427	0.961	0.1239	0.722	0.1118	1.375	HREE-enriched
Horn Plateau	21740-221	1763	71.1	0.692	8.4	54.7	0.882	bdl	bdl	0.741	0.265	2.359	1.323	0.508	1.685	0.265	1.598	0.336	0.985	0.155	0.977	0.17	1.28	sinusoidal
Horn Plateau	21740-222	883.9	58.2	0.69	2.808	23.2	0.663	bdl	bdl	0.779	0.294	3.17	1.741	0.487	1.018	0.132	0.645	0.112	0.301	0.0558	0.391	0.0831	0.643	sinusoidal
Horn Plateau	21740-223	611.4	55.5	0.81	8.49	60.41	0.815	bdl	bdl	0.684	0.323	3.59	2.83	1.164	3.32	0.447	2.099	0.306	0.618	0.0815	0.525	0.102	0.854	HREE-enriched

Horn Plateau	21740-224	172.7	41	1.804	0.728	5.5	1.095	bdl	bdl	3.673	1.058	5.29	0.561	0.136	0.231	0.0339	0.089	0.0323	0.129	0.0372	0.417	0.102	0.11	sinusoidal
Horn Plateau	21740-225	38	33.34	0.343	0.556	14	0.633	bdl	bdl	1.703	0.373	2.02	0.377	0.086	0.13	0.0183	0.058	0.0152	0.134	0.0476	0.518	0.143	0.116	sinusoidal
Horn Plateau	21740-226	861.7	47.2	0.482	2.39	32.2	0.394	bdl	bdl	0.428	0.1596	1.652	1.118	0.449	1.232	0.1713	0.698	0.0876	0.176	0.0292	0.232	0.0557	0.594	HREE-enriched
Horn Plateau	21740-227	131.4	33.8	1.958	1.407	21	0.788	bdl	bdl	2.763	0.823	4.87	1.208	0.356	0.808	0.0815	0.393	0.0519	0.107	0.0193	0.177	0.0474	0.2	sinusoidal
Horn Plateau	21740-228	160.8	26.56	1.174	5.493	63.2	0.807	bdl	bdl	2.132	0.893	9.6	6.19	2.139	4.86	0.419	1.528	0.223	0.545	0.0784	0.585	0.0979	0.78	HREE-enriched
Horn Plateau	21740-229	2925	64.5	0.519	6.195	26.2	0.496	bdl	bdl	0.496	0.1796	1.73	0.964	0.367	1.107	0.182	1.184	0.227	0.682	0.1045	0.807	0.1356	0.572	HREE-enriched
Horn Plateau	21740-230	745	43.67	0.39	9.34	0.938	0.289	bdl	bdl	0.252	0.128	0.161	0.198	0.182	0.499	0.199	1.257	0.416	1.313	0.263	1.713	0.347	0.113	HREE-enriched
Horn Plateau	21740-232	94.9	33.54	1.807	4.035	15.99	0.39	bdl	bdl	2.806	1.042	8.23	3.18	0.966	2.36	0.286	1.054	0.181	0.475	0.13	1.04	0.253	0.264	sinusoidal
Horn Plateau	21740-233	3150	64.24	0.499	6.44	28.22	0.395	bdl	bdl	0.355	0.119	1.228	0.892	0.416	1.429	0.208	1.223	0.245	0.725	0.1104	1.008	0.164	0.685	sinusoidal
Horn Plateau	21740-235	4322	73.91	0.562	11.2	47.2	0.427	bdl	bdl	0.47	0.186	1.426	0.883	0.447	1.485	0.305	2.091	0.47	1.348	0.191	1.274	0.22	1.273	HREE-enriched
Horn Plateau	21740-237	4240	115.1	0.813	12.1	45.66	0.513	bdl	bdl	0.755	0.264	2.055	1.095	0.511	1.7	0.316	2.199	0.493	1.42	0.209	1.46	0.233	1.187	sinusoidal
Horn Plateau	21740-241	459.8	35.6	0.65	2.683	44.2	0.258	bdl	bdl	1.413	0.55	5.26	3.76	1.4	4.07	0.354	0.963	0.121	0.251	0.056	0.435	0.1105	0.525	sinusoidal
Horn Plateau	21740-242	1632	41.34	0.473	27.69	122.2	0.364	bdl	bdl	0.545	0.2028	1.999	2.036	1.07	4.282	0.843	5.7	1.094	2.769	0.355	2.212	0.305	2.354	HREE-enriched
Horn Plateau	21740-243	1147.1	27.86	0.393	23.29	39.14	0.1026	bdl	bdl	0.493	0.295	3.41	2.078	0.827	3.068	0.577	3.96	0.871	2.619	0.368	2.606	0.383	0.64	HREE-enriched
Horn Plateau	21740-244	2009	28.94	0.1892	5.6	18.28	0.1531	bdl	bdl	0.1494	0.0538	0.552	0.361	0.1662	0.649	0.1261	0.954	0.2186	0.672	0.1008	0.757	0.1108	0.455	HREE-enriched
Horn Plateau	21740-246	3678	69.15	0.578	23.72	43.91	0.344	bdl	bdl	0.478	0.178	1.726	1.361	0.673	2.68	0.551	4.31	0.893	2.478	0.336	2.138	0.31	0.99	HREE-enriched
Horn Plateau	21740-248	3043	84.9	0.424	19.33	35.65	0.461	bdl	bdl	0.371	0.1487	1.328	0.883	0.39	1.543	0.352	2.97	0.727	2.325	0.35	2.554	0.367	0.997	HREE-enriched
Horn Plateau	21740-249	741.4	16.9	0.1119	11.15	24.27	0.0771	bdl	bdl	0.481	0.1413	1.205	0.822	0.382	1.566	0.308	2.113	0.433	1.205	0.1639	1.148	0.1589	0.411	HREE-enriched
Horn Plateau	21740-253	2122	66.35	0.704	5.94	26.29	0.496	bdl	bdl	0.548	0.233	1.715	1.14	0.564	1.615	0.283	1.433	0.268	0.558	0.09	0.545	0.127	0.596	HREE-enriched

Horn Plateau	21740-254	3588	95.4	0.737	14.42	40.36	0.726	bdl	bdl	0.637	0.232	1.846	1.165	0.513	1.708	0.352	2.476	0.57	1.68	0.249	1.75	0.271	0.991	sinusoidal
Horn Plateau	21740-257	52.6	26.42	1.123	0.367	0.63	0.129	bdl	bdl	0.494	0.101	0.192	0.037	0.049	0.036	0.035	0.047	0.039	0.1	0.0453	0.354	0.097	0.064	sinusoidal
Horn Plateau	21740-258	553.7	29.78	0.554	3.357	13.77	0.633	bdl	bdl	2.217	0.884	8.51	3.9	1.241	2.51	0.223	0.878	0.134	0.289	0.0477	0.276	0.072	0.297	sinusoidal
Horn Plateau	21740-259	275.9	34.7	0.088	4.025	16	0.213	bdl	bdl	0.238	0.0564	0.316	0.216	0.114	0.355	0.0846	0.599	0.158	0.54	0.097	0.824	0.151	0.151	HREE-enriched
Horn Plateau	21740-261	1036.6	28.94	0.043	0.955	bdl	0.0507	bdl	bdl	0.0397	0.0149	0.0218	0.014	0.0125	0.0175	0.0084	0.089	0.0382	0.161	0.0399	0.399	0.0793	0.063	HREE-enriched
Horn Plateau	21740-263	559.1	22.36	1.441	1.536	13.73	1.717	bdl	bdl	4.753	1.184	6.74	1.312	0.2905	0.527	0.0434	0.251	0.0559	0.199	0.0339	0.292	0.0564	0.191	sinusoidal
Horn Plateau	21740-265	26.47	14.82	0.121	0.092	bdl	0.516	bdl	bdl	1.559	0.2	0.398	0.0107	bdl	0	bdl	bdl	0.0042	0.0262	0.0067	0.107	0.0243	0	MREE-depleted
Horn Plateau	21740-267	2309	53.69	0.704	14.66	44.05	0.787	bdl	bdl	0.679	0.23	2.182	1.451	0.668	2.406	0.425	2.792	0.57	1.618	0.221	1.599	0.235	0.828	sinusoidal
Horn Plateau	21740-268	407.8	32.67	0.0236	3.63	1.82	0.318	bdl	bdl	0.0328	0.0056	0.044	0.062	0.0275	0.161	0.043	0.437	0.1298	0.515	0.0923	0.837	0.1372	0.041	HREE-enriched
Horn Plateau	21740-271	620.2	68.53	1.268	1.633	5.68	0.58	bdl	bdl	1.298	0.326	1.388	0.371	0.148	0.379	0.092	0.326	0.099	0.243	0.078	0.399	0.116	0.189	sinusoidal
Horn Plateau	21740-273	762.8	58.8	0.777	1.781	14.09	0.761	bdl	bdl	0.884	0.344	3.07	1.221	0.34	0.679	0.08	0.319	0.0766	0.238	0.0481	0.383	0.084	0.318	sinusoidal
Horn Plateau	21740-276	102.8	45.74	4.75	1.022	10.4	0.76	bdl	bdl	3.452	0.809	4.45	0.856	0.224	0.479	0.0496	0.196	0.0334	0.116	0.0436	0.491	0.115	0.164	sinusoidal
Horn Plateau	21740-278	1999	50.18	0.419	10.26	19.19	0.297	bdl	bdl	0.288	0.137	0.915	0.623	0.318	1.116	0.253	1.708	0.424	1.307	0.216	1.484	0.2409	0.576	sinusoidal
Horn Plateau	21740-279	102.6	43.22	3.29	0.642	5.04	0.626	bdl	bdl	2.249	0.703	4	0.74	0.195	0.34	0.0519	0.166	0.039	0.092	0.0295	0.298	0.08	0.158	sinusoidal
Horn Plateau	21740-280	250.9	43.73	0.526	4.967	37.2	0.574	bdl	bdl	0.617	0.255	2.51	1.781	0.703	1.838	0.254	1.16	0.174	0.527	0.1021	0.866	0.18	0.563	sinusoidal
Horn Plateau	21740-281	1841	42	0.361	12.62	37.6	0.366	bdl	bdl	0.352	0.1375	1.272	0.869	0.358	1.434	0.275	2.128	0.467	1.54	0.2207	1.67	0.262	0.77	HREE-enriched
Horn Plateau	21740-282	104.5	21.29	2.528	5.387	47.32	0.683	bdl	bdl	5.563	1.786	13.98	4.82	1.447	3.27	0.361	1.488	0.2069	0.393	0.0496	0.388	0.0909	0.58	sinusoidal
Horn Plateau	21740-283	1871	97.3	0.273	10.66	20.04	0.189	bdl	bdl	0.171	0.068	0.564	0.604	0.303	1.193	0.225	1.685	0.417	1.42	0.223	1.859	0.301	0.616	HREE-enriched
Horn Plateau	21740-284	683.1	25.52	0.452	3.292	20.2	0.1994	bdl	bdl	0.854	0.2305	1.777	0.94	0.455	1.249	0.1654	0.812	0.1293	0.312	0.0412	0.283	0.0515	0.418	sinusoidal

Horn Plateau	21740-285	108.9	51.1	0.288	0.518	2.6	0.376	bdl	bdl	0.456	0.122	0.767	0.146	0.0426	0.089	0.0108	0.07	0.0214	0.113	0.027	0.304	0.083	0.17	sinusoidal
Horn Plateau	21740-289	767	48.21	0.397	13.6	1.77	0.358	bdl	bdl	0.311	0.183	0.204	0.242	0.255	0.67	0.223	1.762	0.564	1.898	0.365	2.37	0.478	0.149	HREE-enriched
Horn Plateau	21740-293	1315	17.81	0.305	39.01	38.5	0.099	bdl	bdl	0.125	0.086	0.715	2.35	1.527	6.3	1.298	8.01	1.526	3.87	0.529	3.12	0.443	0.478	HREE-enriched
Horn Plateau	21740-297	3098	47.09	0.427	8.578	29.85	0.277	bdl	bdl	0.3028	0.1204	1.151	0.85	0.403	1.512	0.274	1.822	0.333	0.798	0.0886	0.578	0.0805	0.656	HREE-enriched
Horn Plateau	21740-299	3128	104.7	0.68	16.15	25.98	0.49	bdl	bdl	0.39	0.236	0.689	0.66	0.442	1.39	0.43	2.64	0.669	1.977	0.373	2.158	0.391	0.766	HREE-enriched
Horn Plateau	21740-301	3198	47.39	0.69	42.81	37.62	0.533	bdl	bdl	0.462	0.217	1.282	1.06	0.621	2.38	0.719	6.33	1.738	5.51	0.825	5.55	0.841	0.864	HREE-enriched
Horn Plateau	21745-002	4293	150.1	1.01	22.66	41.58	0.1468	0.285	0.124	0.85	0.197	1.785	1.257	0.6	2.35	0.508	3.808	0.883	2.754	0.413	2.962	0.474	1.058	HREE-enriched
Horn Plateau	21745-003	952	75.1	0.509	3.37	15.86	0.488	bdl	0.046	0.524	0.2004	1.972	1.195	0.422	1.162	0.1445	0.715	0.1248	0.327	0.0438	0.417	0.0714	0.336	HREE-enriched
Horn Plateau	21745-005	507.3	38.62	2.314	2.385	6.21	0.841	bdl	0.925	6.253	0.994	4.11	0.708	0.204	0.539	0.0633	0.387	0.081	0.315	0.0517	0.51	0.1007	0.142	sinusoidal
Horn Plateau	21745-006	402.3	47.35	0.222	2.875	10.19	0.365	bdl	0.0368	0.377	0.1471	1.31	0.56	0.199	0.542	0.0679	0.395	0.1016	0.402	0.0803	0.787	0.153	0.207	HREE-enriched
Horn Plateau	21745-008	493.7	28.56	0.1382	3.173	14.05	0.728	bdl	0.121	1.005	0.28	1.759	0.507	0.1706	0.492	0.0808	0.547	0.1243	0.443	0.0814	0.744	0.1434	0.38	sinusoidal
Horn Plateau	21745-009	1564	58.82	0.364	26.18	112.5	0.384	bdl	0.0277	0.368	0.151	1.661	1.593	0.827	3.44	0.766	5.32	1.049	2.623	0.309	2.093	0.286	2.364	HREE-enriched
Horn Plateau	21745-010	3069	75.6	0.526	10.1	33.24	0.487	bdl	0.0405	0.455	0.1609	1.546	1.077	0.503	1.898	0.333	2.143	0.386	0.967	0.1141	0.784	0.12	0.784	HREE-enriched
Horn Plateau	21745-011	185.3	37.46	0.172	1.214	7.27	0.365	bdl	0.1743	1.665	0.408	2.529	0.807	0.192	0.389	0.0399	0.173	0.041	0.13	0.0253	0.273	0.0573	0.062	sinusoidal
Horn Plateau	21745-013	350.1	58.58	0.625	3.078	79.14	0.8	bdl	0.0418	0.692	0.34	3.42	2.582	1.216	3.22	0.265	0.894	0.1164	0.293	0.0416	0.411	0.0754	1.306	sinusoidal
Horn Plateau	21745-015	89.1	20.21	0.1541	1.141	2.926	0.227	bdl	0.21	1.513	0.327	1.722	0.371	0.1082	0.233	0.0278	0.179	0.0386	0.148	0.0295	0.362	0.0915	0.0177	sinusoidal
Horn Plateau	21745-016	541.6	47.83	0.703	6.593	55.94	0.892	bdl	0.1029	1.518	0.467	3.69	2.422	1.046	2.379	0.2323	1.319	0.259	0.726	0.0954	0.694	0.116	0.914	sinusoidal
Horn Plateau	21745-020	682.6	53.25	0.273	9.19	16.66	0.802	bdl	0.1107	0.856	0.194	1.295	0.703	0.312	1.093	0.196	1.388	0.333	1.143	0.1864	1.4	0.222	0.322	HREE-enriched
Horn Plateau	21745-021	151.4	33.68	0.445	0.705	3.532	0.719	bdl	0.28	2.252	0.435	2.777	0.63	0.156	0.303	0.0299	0.127	0.0235	0.086	0.0197	0.186	0.041	0.073	sinusoidal

Horn Plateau	21745-023	412.1	31.14	0.0615	3.622	1.309	0.093	bdl	0.0359	0.266	0.1023	0.978	0.244	0.0698	0.226	0.0478	0.443	0.1354	0.545	0.0973	0.891	0.1647	0.0211	HREE-enriched
Horn Plateau	21745-026	2099	65.07	0.373	5.174	33.86	0.298	bdl	0.0299	0.351	0.1194	1.082	0.651	0.285	0.931	0.1583	0.962	0.2021	0.63	0.0979	0.737	0.1339	0.806	sinusoidal
Horn Plateau	21745-027	2356	43.7	0.89	33.05	50.75	0.813	bdl	0.078	0.861	0.346	3.24	2.207	0.985	3.62	0.716	5.42	1.241	4.024	0.582	4.32	0.664	0.931	HREE-enriched
Horn Plateau	21745-028	2262	41.25	0.971	27.21	51.89	0.834	bdl	0.084	0.822	0.297	2.949	2.079	0.93	3.41	0.67	4.71	1.022	2.952	0.426	2.927	0.413	0.993	HREE-enriched
Horn Plateau	21745-030	2036	105.2	0.702	3.055	23.99	0.637	bdl	0.057	0.645	0.236	2.395	1.295	0.462	1.093	0.146	0.69	0.114	0.31	0.054	0.604	0.1056	0.532	sinusoidal
Horn Plateau	21745-031	1726	49.87	0.994	9.64	71	0.559	bdl	0.0806	1.004	0.403	4.17	2.592	1.046	3.26	0.485	2.551	0.371	0.813	0.0891	0.562	0.081	1.148	HREE-enriched
Horn Plateau	21745-034	1470	42.4	0.781	8.78	58.03	0.474	bdl	0.063	0.814	0.306	3.242	2.19	0.935	2.897	0.437	2.313	0.346	0.752	0.0854	0.489	0.0747	0.967	HREE-enriched
Horn Plateau	21745-041	202.8	36.07	0.0763	1.558	1.712	0.35	bdl	0.0217	0.156	0.0392	0.293	0.106	0.0484	0.136	0.0279	0.182	0.0508	0.225	0.0445	0.475	0.0965	0.0453	HREE-enriched
Horn Plateau	21745-042	1810	57.88	0.389	12.58	20.55	0.237	bdl	0.0209	0.301	0.1218	1.321	0.829	0.347	1.209	0.247	1.938	0.46	1.513	0.237	1.832	0.276	0.477	HREE-enriched
Horn Plateau	21745-044	838.6	38.02	2.015	10.34	34.81	0.858	bdl	0.1804	2.544	1.088	10.93	3.759	1.086	2.932	0.428	2.376	0.409	0.977	0.1227	0.816	0.1463	0.787	HREE-enriched
Horn Plateau	21745-045	111.4	32.49	3.07	0.737	3.506	0.182	bdl	0.577	3.473	0.607	2.906	0.427	0.1112	0.259	0.0289	0.133	0.0263	0.095	0.0269	0.373	0.0907	0.077	sinusoidal
Horn Plateau	21745-048	903.5	56.18	0.343	10.66	12.31	0.513	bdl	0.0362	0.425	0.1495	1.273	0.62	0.26	0.943	0.1836	1.553	0.396	1.374	0.2136	1.633	0.252	0.34	HREE-enriched
Horn Plateau	21745-049	56	33.78	1.056	0.839	16.94	1.102	bdl	0.1462	1.814	0.821	9.24	2.973	0.629	1.02	0.0759	0.245	0.0243	0.087	0.0177	0.261	0.067	0.295	sinusoidal
Horn Plateau	21745-050	1556	56.63	0.486	13.84	35.6	0.443	bdl	0.0332	0.421	0.1747	1.809	1.34	0.557	2.035	0.349	2.404	0.525	1.607	0.244	1.769	0.298	0.817	HREE-enriched
Horn Plateau	21745-051	1239.7	65.13	0.49	6.422	11.11	0.763	bdl	0.0784	0.743	0.2226	1.877	0.831	0.311	1.01	0.1561	1.06	0.2324	0.781	0.1207	0.906	0.15	0.28	sinusoidal
Horn Plateau	21745-052	92	40.8	0.091	1.694	0.567	0.184	bdl	0.0114	0.0589	0.0152	0.078	0.037	0.0103	0.038	0.013	0.15	0.0501	0.266	0.066	0.491	0.116	0.0131	HREE-enriched
Horn Plateau	21745-053	2912	79.4	0.614	6.777	36.58	0.477	bdl	0.0451	0.532	0.1938	1.949	1.279	0.529	1.705	0.272	1.518	0.254	0.587	0.0777	0.631	0.1067	0.81	HREE-enriched
Horn Plateau	21745-054	2188	79.5	0.241	13.89	19.63	0.201	bdl	0.0137	0.1235	0.0438	0.493	0.546	0.277	1.242	0.284	2.244	0.517	1.574	0.2344	1.724	0.28	0.517	HREE-enriched
Horn Plateau	21745-055	3060	73.6	0.409	20.56	48.92	0.264	bdl	0.0393	0.454	0.158	1.637	1.232	0.483	2.01	0.431	3.24	0.773	2.535	0.41	2.9	0.443	1.109	HREE-enriched

Horn Plateau	21745-056	621.9	77.5	0.396	2.683	2.24	0.953	bdl	0.0711	0.582	0.1407	0.791	0.186	0.0498	0.175	0.0372	0.333	0.0984	0.372	0.0666	0.584	0.1052	0.066	HREE-enriched
Horn Plateau	21745-058	1706	48.56	0.39	14.14	27.11	0.407	bdl	0.0303	0.37	0.1408	1.506	0.999	0.413	1.56	0.301	2.349	0.519	1.621	0.25	1.825	0.303	0.585	HREE-enriched
Horn Plateau	21745-060	2018	74.41	0.283	12.34	16.85	0.302	bdl	0.0207	0.221	0.0813	0.731	0.555	0.277	1.207	0.243	1.936	0.454	1.422	0.222	1.585	0.261	0.485	HREE-enriched
Horn Plateau	21745-061	42	24.97	1.296	0.575	2.504	0.16	bdl	0.2	1.656	0.41	2.413	0.459	0.0976	0.163	0.0131	0.048	0.0174	0.121	0.0365	0.494	0.1257	0.0326	sinusoidal
Horn Plateau	21745-065	129.7	21.8	0.057	0.628	0.458	0.076	bdl	0.064	0.29	0.039	0.222	0.015	0.0104	0.062	0.0092	0.037	0.026	0.12	0.036	0.327	0.103	0	MREE-depleted
Horn Plateau	21745-066	195.9	32.23	0.0631	1.928	3.447	0.459	bdl	0.0278	0.242	0.0769	0.745	0.333	0.0908	0.326	0.0485	0.297	0.0654	0.24	0.0439	0.428	0.0817	0.076	HREE-enriched
Horn Plateau	21745-069	221.3	21.95	0.141	1.001	1.949	0.163	bdl	0.212	1.26	0.228	0.988	0.148	0.0381	0.096	0.0126	0.092	0.0351	0.192	0.0494	0.464	0.1092	0.0361	sinusoidal
Horn Plateau	21746-003	1126	51.83	0.714	9.72	47.22	0.599	bdl	bdl	0.674	0.295	3.23	2.301	0.963	2.92	0.377	2.164	0.365	0.919	0.1323	0.955	0.1648	0.83	HREE-enriched
Horn Plateau	21746-006	976	85.1	0.382	2.29	13.91	0.306	bdl	bdl	0.451	0.161	1.565	0.834	0.284	0.76	0.0835	0.406	0.0792	0.342	0.0587	0.627	0.1228	0.289	HREE-enriched
Horn Plateau	21746-009	1006	59.7	0.741	3.31	24.84	0.569	bdl	bdl	0.703	0.279	3.04	1.35	0.327	1.05	0.127	0.621	0.123	0.333	0.048	0.348	0.074	0.595	sinusoidal
Horn Plateau	21746-012	179.6	34.1	0.047	1.119	0.838	0.194	bdl	bdl	0.236	0.0691	0.542	0.184	0.0543	0.125	0.0118	0.107	0.0378	0.168	0.041	0.42	0.086	0.0116	HREE-enriched
Horn Plateau	21746-015	1238	68.2	0.493	2.068	21.5	0.496	bdl	bdl	0.486	0.157	1.601	1.018	0.387	1.012	0.1249	0.549	0.0765	0.207	0.0442	0.376	0.0768	0.46	HREE-enriched
Horn Plateau	21746-018	1238	75.9	0.489	2.235	26.58	0.521	bdl	bdl	0.535	0.177	1.627	1.085	0.46	1.235	0.1372	0.575	0.0812	0.177	0.0369	0.351	0.0753	0.614	HREE-enriched
Horn Plateau	21746-019	229.3	22.33	0.013	3.727	4.201	0.0493	bdl	bdl	0.023	0.0102	0.118	0.105	0.0376	0.204	0.0559	0.544	0.148	0.491	0.0803	0.59	0.0991	0.156	HREE-enriched
Horn Plateau	21746-021	194.2	33.18	0.0218	1.586	1.745	0.201	bdl	bdl	0.134	0.0336	0.338	0.131	0.0401	0.101	0.0193	0.2	0.0532	0.234	0.0456	0.459	0.0945	0.0298	HREE-enriched
Horn Plateau	21746-023	1696	52.11	0.76	8.3	85.38	0.763	bdl	bdl	0.867	0.33	3.35	2.355	1.017	3.67	0.535	2.284	0.314	0.817	0.0961	0.692	0.11	1.566	HREE-enriched
Horn Plateau	21746-026	1858	78.6	0.452	10.89	22.91	0.412	bdl	bdl	0.43	0.1531	1.495	0.893	0.401	1.498	0.279	1.913	0.418	1.194	0.168	1.186	0.193	0.578	HREE-enriched
Horn Plateau	21746-027	1603	78.7	0.689	6.906	28.29	0.645	bdl	bdl	0.764	0.257	2.372	1.366	0.57	1.771	0.26	1.494	0.27	0.782	0.1034	0.827	0.1426	0.702	sinusoidal
Horn Plateau	21746-028	50.2	26.56	1.695	1.857	19.82	0.622	bdl	bdl	6.899	2.086	14.31	2.77	0.713	1.477	0.1471	0.603	0.0726	0.132	0.0198	0.223	0.0508	0.293	sinusoidal

Horn Plateau	21746-029	404.8	37.58	0.888	2.279	7.58	0.526	bdl	bdl	5.074	1.098	6.42	1.239	0.299	0.576	0.0574	0.314	0.0855	0.313	0.0623	0.602	0.1104	0.151	sinusoidal
Horn Plateau	21746-030	332.2	31.19	0.0818	2.857	9.81	0.264	bdl	bdl	0.824	0.187	1.299	0.523	0.154	0.455	0.0674	0.51	0.0998	0.322	0.0572	0.56	0.1037	0.156	sinusoidal
Horn Plateau	21746-032	148.4	93.3	0.806	0.671	5.47	0.892	bdl	bdl	0.861	0.266	2.17	0.666	0.207	0.399	0.0376	0.131	0.0252	0.107	0.0192	0.253	0.0578	0.086	sinusoidal
Horn Plateau	21746-033	1348	81.3	0.63	3.446	19.84	0.62	bdl	bdl	0.705	0.248	2.069	1.028	0.337	0.893	0.1228	0.706	0.1208	0.367	0.053	0.486	0.0895	0.476	sinusoidal
Horn Plateau	21746-034	343.2	20.82	0.0186	1.839	0.368	0.127	bdl	bdl	0.0565	0.0104	0.088	0.049	0.0139	0.079	0.0151	0.186	0.0672	0.299	0.0631	0.578	0.1275	0.0026	HREE-enriched
Horn Plateau	21746-036	9.14	25.38	0.218	0.336	1.449	0.293	bdl	bdl	0.689	0.17	0.988	0.295	0.072	0.133	0.0131	0.056	0.0078	0.055	0.0217	0.319	0.0786	0.0094	sinusoidal
Horn Plateau	21746-037	455.8	45.31	1.271	2.814	30.83	1.047	bdl	bdl	6.188	1.148	6.3	1.72	0.481	1.142	0.1154	0.609	0.1086	0.306	0.0573	0.487	0.0874	0.667	sinusoidal
Horn Plateau	21746-039	968.3	62.75	0.612	4.072	32.14	0.493	bdl	bdl	0.465	0.1798	1.801	1.336	0.533	1.577	0.215	0.942	0.1485	0.366	0.0527	0.517	0.0981	0.655	HREE-enriched
Horn Plateau	21746-043	1083	59.69	0.364	11.19	7.32	1.007	bdl	bdl	1.22	0.288	1.801	0.386	0.178	0.685	0.19	1.721	0.413	1.261	0.167	1.217	0.175	0.24	sinusoidal
Horn Plateau	21746-044	231.2	27.39	0.577	2.141	10.04	0.505	bdl	bdl	2.271	1.11	9.77	2.349	0.617	1.276	0.1166	0.532	0.077	0.214	0.0305	0.281	0.0576	0.186	sinusoidal
Horn Plateau	21746-045	2337	57.66	0.616	14.85	38.47	0.53	bdl	bdl	0.609	0.2116	2.302	1.524	0.721	2.562	0.454	2.851	0.572	1.463	0.196	1.355	0.197	0.788	HREE-enriched
Horn Plateau	21746-048	163.9	34.47	7.29	0.813	4.81	0.276	bdl	bdl	3.175	0.532	1.913	0.407	0.129	0.297	0.0395	0.167	0.0284	0.074	0.0105	0.111	0.0386	0.095	sinusoidal
Horn Plateau	21746-049	1752	48.31	0.851	15.05	50.89	0.702	bdl	bdl	0.905	0.358	3.67	2.39	1.036	3.2	0.496	2.904	0.576	1.59	0.209	1.551	0.228	1.027	HREE-enriched
Horn Plateau	21746-050	1601	55.22	0.534	30.18	70.35	0.517	bdl	bdl	0.562	0.218	2.23	1.692	0.797	3.5	0.805	5.86	1.216	3.559	0.508	3.85	0.556	1.744	HREE-enriched
Horn Plateau	21746-051	1847	76.8	0.35	4.457	25.53	0.378	bdl	bdl	0.349	0.1306	1.141	0.766	0.328	1.034	0.1411	0.869	0.164	0.504	0.086	0.713	0.1208	0.614	HREE-enriched
Horn Plateau	21746-052	581.4	41.5	7.704	4.129	25.25	2.086	bdl	bdl	18.29	3.993	20.67	3.99	1.071	2.45	0.26	1.107	0.169	0.347	0.0509	0.415	0.0874	0.686	sinusoidal
Horn Plateau	21746-054	1237	64.4	0.557	6.461	14.59	0.324	bdl	bdl	0.408	0.1323	1.349	0.832	0.298	0.857	0.1245	0.924	0.229	0.819	0.144	1.213	0.212	0.302	HREE-enriched
Horn Plateau	21746-056	54.7	39.13	1.067	2.146	18.48	2.409	bdl	bdl	2.251	0.739	6.03	1.82	0.485	1.169	0.0986	0.451	0.079	0.248	0.0397	0.401	0.0835	0.211	sinusoidal
Horn Plateau	21746-059	265.6	32.45	0.0592	1.644	7.13	0.586	bdl	bdl	0.436	0.1152	0.797	0.212	0.0624	0.154	0.0273	0.217	0.0629	0.249	0.045	0.459	0.0903	0.162	HREE-enriched

Horn Plateau	21746-061	1636	60.3	1.192	12.79	101.01	0.423	bdl	bdl	0.68	0.201	2.13	1.46	0.525	2.06	0.329	2.22	0.492	1.339	0.187	1.42	0.242	2.51	sinusoidal
Horn Plateau	21746-062	739	65	0.487	4.721	30.66	0.678	bdl	bdl	0.377	0.187	2.255	1.301	0.469	1.391	0.176	0.959	0.176	0.502	0.0734	0.691	0.125	0.72	HREE-enriched
Horn Plateau	21746-063	1535	46.62	0.698	9.9	33.31	0.579	bdl	bdl	1.243	0.406	3.333	1.567	0.629	1.995	0.294	1.823	0.387	1.07	0.1553	1.145	0.168	0.69	sinusoidal
Horn Plateau	21746-065	570.2	30.73	0.19	3.98	14.47	0.783	bdl	bdl	1.137	0.309	2.077	0.925	0.299	0.704	0.11	0.667	0.1536	0.461	0.0644	0.518	0.0841	0.36	sinusoidal
Horn Plateau	21746-067	2.27	22.48	1.031	0.562	29.58	0.858	bdl	bdl	1.419	0.512	4.04	1.305	0.347	0.517	0.0443	0.126	0.0164	0.057	0.0202	0.288	0.0651	0.084	sinusoidal
Horn Plateau	21746-068	2068	71.2	0.477	9.83	16.99	0.504	bdl	bdl	0.494	0.1675	1.512	0.697	0.278	1.003	0.193	1.548	0.383	1.181	0.178	1.365	0.21	0.431	HREE-enriched
Horn Plateau	21746-070	4439	59.79	0.655	16.61	41.83	0.435	bdl	bdl	0.549	0.191	1.86	1.332	0.646	2.34	0.46	3.198	0.66	1.785	0.236	1.592	0.232	0.951	HREE-enriched
Horn Plateau	21746-071	39.4	41.32	1.574	2.019	37.11	0.606	bdl	bdl	2.738	1.105	10.49	2.494	0.737	1.967	0.2245	0.812	0.0844	0.14	0.0196	0.169	0.0621	0.56	sinusoidal
Horn Plateau	21746-073	2198	72.5	0.493	9.6	28.44	0.455	bdl	bdl	0.498	0.166	1.563	0.957	0.411	1.503	0.261	1.802	0.394	1.063	0.152	1.174	0.19	0.683	HREE-enriched
Horn Plateau	21746-074	2306	52.93	0.871	47.96	65.17	0.621	bdl	bdl	0.826	0.328	3.34	2.589	1.2	4.81	1.025	8.07	1.896	5.66	0.792	5.48	0.799	1.165	HREE-enriched
Horn Plateau	21746-077	28.2	45.3	12.08	0.076	1.269	0.303	bdl	bdl	11.48	1.462	3.89	0.222	0.0399	0.081	0.0042	0.019	0.0017	0.026	bdl	0.101	0.0349	0.03	MREE-depleted
Horn Plateau	21746-078	177.9	51.05	0.749	0.853	12.72	0.613	bdl	bdl	3.484	0.882	5.24	0.957	0.185	0.331	0.0251	0.138	0.0338	0.108	0.0201	0.216	0.0488	0.182	sinusoidal
Horn Plateau	21746-079	161.5	27.73	1.002	10.58	30.75	0.446	bdl	bdl	1.901	0.695	6.39	3.7	1.49	3.82	0.482	2.239	0.359	0.714	0.0883	0.464	0.0713	0.28	HREE-enriched
Horn Plateau	21746-080	949.7	72.71	0.43	1.163	26.48	0.486	bdl	bdl	0.423	0.1526	1.546	1.216	0.475	1.228	0.1061	0.375	0.0471	0.117	0.0179	0.208	0.0457	0.528	sinusoidal
Horn Plateau	21746-081	2429	37.52	0.661	27.67	50.07	0.147	bdl	bdl	1.076	0.333	3.22	2.847	1.317	4.68	0.864	5.72	1.134	2.619	0.275	1.29	0.1316	0.773	HREE-enriched
Horn Plateau	21746-083	210.1	37.35	0.824	1.238	3.91	0.789	bdl	bdl	2.191	0.397	2.069	0.442	0.1032	0.209	0.0299	0.16	0.0449	0.171	0.0405	0.384	0.084	0.075	sinusoidal
Horn Plateau	21746-084	936.8	73.5	0.399	2.641	20.2	0.455	bdl	bdl	0.42	0.1653	1.621	0.697	0.238	0.573	0.0776	0.437	0.0949	0.31	0.0596	0.58	0.1159	0.469	HREE-enriched
Horn Plateau	21746-086	910.3	71.78	0.663	6.894	25.26	0.661	bdl	bdl	0.641	0.23	2.145	1.353	0.498	1.466	0.203	1.29	0.269	0.812	0.1211	0.945	0.1566	0.658	sinusoidal
Horn Plateau	21746-088	1945	49.01	0.377	15.14	83.4	0.307	bdl	bdl	0.414	0.159	1.898	1.651	0.787	2.855	0.519	3.269	0.595	1.509	0.1774	1.24	0.179	1.266	HREE-enriched

Horn Plateau	21746-091	1753	74.24	0.608	7.336	25.34	0.59	bdl	bdl	0.648	0.22	2.079	1.216	0.492	1.578	0.235	1.445	0.278	0.836	0.1236	0.931	0.1556	0.668	HREE-enriched
Horn Plateau	21746-092	337.7	51.3	0.49	4.616	43.81	0.5	bdl	bdl	1.344	0.378	3.185	1.673	0.64	1.825	0.243	1.199	0.181	0.42	0.0572	0.399	0.0793	0.89	sinusoidal
Horn Plateau	21746-093	263.8	30.71	0.0769	1.071	1.799	0.175	bdl	bdl	0.425	0.1189	0.72	0.264	0.0904	0.24	0.0246	0.132	0.0367	0.171	0.0354	0.41	0.0901	0.0422	sinusoidal
Horn Plateau	21746-095	998.7	70.23	0.422	7.331	20.2	0.557	bdl	bdl	0.466	0.1591	1.556	0.943	0.382	1.18	0.185	1.209	0.268	0.915	0.1471	1.206	0.2047	0.477	HREE-enriched
Horn Plateau	21746-096	264.1	40.59	7.608	0.979	3.097	0.819	bdl	bdl	15.31	2.003	6.62	0.64	0.144	0.306	0.0308	0.161	0.0291	0.123	0.0287	0.298	0.073	0.072	sinusoidal
Horn Plateau	21746-097	270.5	50.31	0.621	2.646	9.31	0.872	bdl	bdl	1.124	0.388	3.195	0.976	0.255	0.572	0.0633	0.393	0.0952	0.364	0.0658	0.62	0.109	0.149	sinusoidal
Horn Plateau	21746-098	58	22.86	5.718	0.655	1.952	0.387	bdl	bdl	3.937	0.412	1.463	0.301	0.0735	0.124	0.0081	0.044	0.0173	0.143	0.0398	0.519	0.1186	0.013	sinusoidal
Horn Plateau	21746-100	49.1	39.1	0.0221	0.707	1.491	0.38	bdl	bdl	0.1743	0.0278	0.114	0.05	0.0118	0.0319	0.0041	0.051	0.0214	0.125	0.0296	0.314	0.0716	0.0195	MREE-depleted
Horn Plateau	21746-102	5.91	28.16	4.057	0.024	1.88	0.393	bdl	bdl	13.24	1.182	2.984	0.163	0.0248	0.039	0.00183	bdl	0.00087	bdl	bdl	0.0305	0.0149	0.0178	MREE-depleted
Horn Plateau	21746-105	188.6	39.45	0.42	1.81	2.313	0.186	bdl	bdl	0.489	0.057	0.323	0.103	0.0318	0.12	0.0279	0.233	0.0637	0.27	0.0549	0.541	0.1066	0.0359	sinusoidal
Horn Plateau	21746-110	335.4	51.76	1.045	3.285	34.21	0.57	bdl	bdl	1.667	0.488	3.92	1.494	0.439	1.244	0.1307	0.693	0.1247	0.374	0.0658	0.58	0.107	0.74	sinusoidal
Horn Plateau	21746-111	454.4	33.51	1.182	3.775	15.87	0.389	bdl	bdl	3.651	0.981	7.06	1.962	0.551	1.3	0.1526	0.788	0.1372	0.388	0.0597	0.538	0.1027	0.28	sinusoidal
Horn Plateau	21746-112	382.9	32.31	0.0679	1.672	3.828	0.252	bdl	bdl	0.419	0.1141	0.727	0.224	0.092	0.269	0.0468	0.302	0.0613	0.208	0.0433	0.433	0.0892	0.078	HREE-enriched
Horn Plateau	21746-113	433	51.21	0.091	1.707	1.907	0.346	bdl	bdl	0.498	0.0997	0.544	0.091	0.0367	0.15	0.0295	0.218	0.057	0.217	0.0466	0.417	0.0876	0.057	HREE-enriched
Horn Plateau	21746-116	112.3	38.76	7.979	1.104	12.58	1.572	bdl	bdl	16.84	3.768	18.61	2.372	0.526	0.933	0.0757	0.293	0.0414	0.124	0.0292	0.321	0.0823	0.228	sinusoidal
Horn Plateau	21746-117	134.5	30.71	0.0505	0.652	1.375	0.2	bdl	bdl	0.37	0.0751	0.629	0.218	0.07	0.177	0.0204	0.112	0.0225	0.088	0.0225	0.225	0.047	0.009	sinusoidal
Horn Plateau	21746-118	2083	80.1	0.556	4.959	18.29	0.74	bdl	bdl	0.615	0.2181	1.944	1.075	0.366	1.094	0.154	0.938	0.1841	0.495	0.072	0.579	0.098	0.491	sinusoidal
Horn Plateau	21746-119	286.2	42.03	0.995	2.897	45.66	0.915	bdl	bdl	1.409	0.454	4.34	2.72	0.916	2.431	0.261	1.018	0.119	0.199	0.0272	0.294	0.0739	0.835	sinusoidal
Horn Plateau	21746-120	1416	52.8	0.613	8.22	63.88	0.61	bdl	bdl	0.824	0.311	2.54	1.089	0.374	1.222	0.2092	1.478	0.324	0.884	0.1289	0.99	0.158	1.326	sinusoidal

Horn Plateau	21746-124	654.9	19.59	0.0558	5.034	5.4	0.0662	bdl	bdl	0.278	0.1447	1.79	0.984	0.329	0.976	0.1382	0.914	0.1884	0.591	0.0987	0.739	0.1356	0.148	HREE-enriched
Horn Plateau	21746-126	1627	14.27	0.0797	12.72	24.28	0.0369	bdl	bdl	0.1265	0.0953	1.469	1.61	0.61	2.566	0.441	2.588	0.465	1.303	0.175	1.246	0.205	0.473	HREE-enriched
Horn Plateau	21746-128	2048	86.3	0.962	8.045	41.85	0.887	bdl	bdl	1.074	0.393	3.573	2.197	0.856	2.73	0.361	1.907	0.308	0.822	0.1189	0.866	0.1451	0.955	sinusoidal
Horn Plateau	21746-129	170.3	19.84	1.938	5.676	46.51	0.145	bdl	bdl	2.199	0.867	7.06	2.886	0.9	2.487	0.32	1.417	0.218	0.501	0.0573	0.533	0.1127	0.838	sinusoidal
Horn Plateau	21746-133	501.6	48.9	0.0859	2.347	3.182	0.226	bdl	bdl	0.489	0.1457	1.237	0.433	0.117	0.264	0.0393	0.339	0.088	0.328	0.0626	0.575	0.1127	0.064	HREE-enriched
Horn Plateau	21746-134	2401	54.9	0.346	13.43	65.38	0.31	bdl	bdl	0.346	0.1373	1.506	1.884	0.937	3.11	0.516	2.979	0.513	1.171	0.1413	0.839	0.1165	0.985	HREE-enriched
Horn Plateau	21746-135	1510	67.36	0.597	3.177	17.32	0.568	bdl	bdl	0.655	0.197	1.835	1.006	0.352	0.936	0.114	0.589	0.1256	0.365	0.0621	0.546	0.0929	0.42	sinusoidal
Horn Plateau	21746-137	604.1	65.52	0.397	2.587	6.48	0.656	bdl	bdl	0.593	0.206	1.339	0.404	0.1259	0.384	0.0723	0.41	0.0902	0.322	0.0591	0.485	0.0911	0.172	HREE-enriched
Horn Plateau	21746-139	2352	67.57	0.512	14.71	40.44	0.46	bdl	bdl	0.427	0.158	1.588	1.213	0.592	2.32	0.387	2.694	0.551	1.597	0.216	1.585	0.237	0.928	HREE-enriched
Horn Plateau	21746-140	532.7	48.07	1.064	3.204	98.34	1.061	bdl	bdl	1.372	0.469	4.75	4.61	2.081	5.87	0.527	1.556	0.1381	0.184	0.0204	0.19	0.0571	1.523	sinusoidal
Horn Plateau	21746-143	91.1	29.24	0.557	0.474	8.51	0.721	bdl	bdl	3.272	0.647	3.511	0.835	0.228	0.436	0.0369	0.141	0.0154	0.058	0.0122	0.162	0.0453	0.092	sinusoidal
Horn Plateau	21746-144	1843	58.16	0.519	13.97	36.75	0.327	bdl	bdl	0.261	0.1192	1.529	1.303	0.566	1.976	0.366	2.507	0.527	1.635	0.233	1.787	0.287	0.902	HREE-enriched
Horn Plateau	21746-145	807.9	54.13	0.63	8.49	54.75	0.648	bdl	bdl	0.8	0.324	3.302	2.11	0.812	2.75	0.401	1.965	0.311	0.859	0.107	0.769	0.1049	0.918	HREE-enriched
Horn Plateau	21746-146	767.5	67.82	0.402	1.467	18.32	0.436	bdl	bdl	0.41	0.1628	1.637	1.157	0.458	1.147	0.1223	0.442	0.0505	0.128	0.0372	0.354	0.0817	0.334	sinusoidal
Horn Plateau	21746-147	1536	72.7	0.832	1.982	14.81	0.861	bdl	bdl	0.825	0.263	2.098	0.756	0.244	0.684	0.0943	0.512	0.0771	0.178	0.0231	0.223	0.0519	0.41	sinusoidal
Horn Plateau	21746-149	457.6	72.6	0.673	1.712	12.93	0.581	bdl	bdl	0.749	0.24	1.959	0.625	0.16	0.463	0.062	0.347	0.0637	0.197	0.0344	0.284	0.0652	0.269	sinusoidal
Horn Plateau	21746-151	587.8	124.6	0.543	2.163	3.195	0.423	bdl	bdl	0.466	0.109	0.634	0.211	0.0842	0.284	0.0531	0.351	0.0805	0.268	0.0456	0.418	0.0814	0.098	sinusoidal
Horn Plateau	21746-153	2214	76.5	1.068	5.901	22.84	0.914	bdl	bdl	1.244	0.379	3.17	1.355	0.462	1.322	0.1864	1.099	0.215	0.655	0.1051	0.853	0.15	0.532	sinusoidal
Horn Plateau	21746-155	74.8	40.1	0.207	1.284	24.02	0.459	bdl	bdl	1.078	0.356	2.671	1.044	0.317	0.771	0.0762	0.264	0.0359	0.15	0.0303	0.332	0.0749	0.236	sinusoidal

Horn Plateau	21746-158	851.4	75.3	0.663	1.921	30.09	0.348	bdl	bdl	0.608	0.279	2.894	1.275	0.401	1.042	0.1176	0.517	0.0695	0.193	0.0267	0.242	0.0502	0.745	HREE-enriched
Horn Plateau	21746-160	401	52.1	0.731	3.325	22.17	0.913	bdl	bdl	1.284	0.468	4.22	1.988	0.529	1.13	0.1267	0.706	0.1355	0.345	0.0534	0.444	0.0765	0.343	sinusoidal
Horn Plateau	21746-162	188.8	52.97	0.204	0.957	2.426	0.684	bdl	bdl	0.585	0.1576	1.01	0.209	0.0549	0.118	0.0137	0.115	0.0358	0.146	0.0324	0.397	0.0754	0.0424	sinusoidal
Horn Plateau	21746-163	1275	60.08	0.352	13.91	18.76	0.831	bdl	bdl	0.798	0.203	1.393	0.569	0.211	0.95	0.235	2.11	0.543	1.747	0.255	1.873	0.279	0.561	sinusoidal
Horn Plateau	21746-165	17.06	43.42	0.813	0.623	14.58	0.693	bdl	bdl	1.205	0.426	3.181	1.219	0.346	0.665	0.0573	0.148	0.0179	0.089	0.0291	0.393	0.0859	0.188	sinusoidal
Horn Plateau	21746-166	407.5	23.48	0.029	2.328	2.299	0.0898	bdl	bdl	0.1154	0.0381	0.398	0.35	0.19	0.65	0.0958	0.53	0.0826	0.218	0.032	0.274	0.0583	0.046	HREE-enriched
Horn Plateau	21746-167	1683	53.72	0.801	9.57	45.67	0.555	bdl	bdl	0.802	0.333	3.36	2.052	0.807	2.63	0.412	2.21	0.376	0.971	0.1245	0.942	0.1453	1.095	HREE-enriched
Horn Plateau	21746-168	1013.1	68.03	0.689	6.07	19.19	0.656	bdl	bdl	0.74	0.267	2.643	1.218	0.341	0.9	0.13	0.994	0.224	0.81	0.1226	1.008	0.1569	0.506	HREE-enriched
Horn Plateau	21746-169	140.1	20.8	0.381	1.625	3.059	0.2	bdl	bdl	0.82	0.211	1.281	0.451	0.142	0.358	0.0445	0.271	0.062	0.201	0.0384	0.371	0.086	0.057	sinusoidal
Horn Plateau	21746-172	1625	73.59	0.523	8.47	24.35	0.509	bdl	bdl	0.506	0.1814	1.684	1.143	0.458	1.545	0.239	1.475	0.332	1.019	0.14	1.145	0.182	0.588	HREE-enriched
Horn Plateau	21746-173	1662	65.1	0.463	6.799	22.12	0.354	bdl	bdl	0.413	0.1352	1.367	0.957	0.392	1.103	0.1714	1.14	0.257	0.85	0.1372	1.113	0.199	0.518	HREE-enriched
Horn Plateau	21746-180	1040.1	12.23	0.0878	15.33	42.65	0.0312	bdl	bdl	0.1421	0.1251	2.255	2.97	1.265	4.58	0.662	3.6	0.581	1.324	0.1591	1.053	0.1649	0.678	HREE-enriched
Horn Plateau	21746-186	861.8	50.22	0.252	6.797	3.8	0.914	bdl	bdl	0.898	0.1813	0.936	0.316	0.147	0.609	0.1451	1.147	0.255	0.771	0.1111	0.883	0.1465	0.116	HREE-enriched
Horn Plateau	21746-187	1931	73.2	0.563	8.11	26.39	0.553	bdl	bdl	0.573	0.212	1.88	1.111	0.467	1.476	0.233	1.517	0.312	0.986	0.1474	1.133	0.195	0.657	HREE-enriched
Horn Plateau	21746-188	551.4	53.28	0.428	9.23	89.65	0.468	bdl	bdl	0.65	0.285	3.02	2.41	1.053	3.32	0.477	2.337	0.347	0.78	0.1018	0.751	0.1235	1.228	HREE-enriched
Horn Plateau	21746-189	432.4	45.57	0.692	3.997	61.56	0.374	bdl	bdl	0.869	0.575	9.97	5.32	1.64	4	0.36	1.306	0.1547	0.324	0.0372	0.337	0.0678	0.968	sinusoidal
Horn Plateau	21746-192	254.8	30.75	0.101	1.86	3.036	0.242	bdl	bdl	0.433	0.162	2.038	1.242	0.265	0.454	0.0403	0.265	0.0643	0.254	0.0454	0.474	0.093	0.059	HREE-enriched
Horn Plateau	21746-196	678.2	61.13	0.594	0.574	10.53	0.561	bdl	bdl	0.784	0.247	2.36	1.013	0.253	0.471	0.0448	0.136	0.0237	0.048	0.0079	0.09	0.0241	0.212	sinusoidal
Horn Plateau	21746-197	2052	65.5	0.584	11.07	21.73	0.437	bdl	bdl	0.586	0.158	1.26	0.858	0.33	1.198	0.274	1.76	0.413	1.293	0.211	1.61	0.244	0.628	HREE-enriched

Horn Plateau	21746-207	35.13	27.42	3.077	2.399	26.73	0.472	bdl	bdl	4.4	1.823	16.33	4.73	1.129	2.24	0.206	0.713	0.0968	0.208	0.0291	0.269	0.087	0.293	sinusoidal
Horn Plateau	21746-208	1054.7	70.5	0.441	1.709	15.46	0.418	bdl	bdl	0.422	0.1476	1.567	0.947	0.303	0.801	0.092	0.42	0.0659	0.173	0.0363	0.386	0.0894	0.352	HREE-enriched
Horn Plateau	21746-210	2329	31.31	0.513	4.482	44.87	0.314	bdl	bdl	1.079	0.394	3.28	1.108	0.332	0.856	0.1346	0.961	0.19	0.547	0.0743	0.584	0.09	1.453	sinusoidal
Horn Plateau	21746-211	2224	78.8	0.656	7.79	31.76	0.604	bdl	bdl	0.721	0.24	2.108	1.059	0.444	1.452	0.223	1.545	0.308	0.86	0.1193	0.894	0.148	0.796	sinusoidal
Horn Plateau	21746-214	394.3	52.32	0.51	1.93	4.26	0.71	bdl	bdl	1.913	0.328	1.485	0.394	0.14	0.33	0.0463	0.292	0.0722	0.265	0.0488	0.453	0.093	0.092	sinusoidal
Horn Plateau	21746-217	1682	51.15	0.545	14.36	37.47	0.497	bdl	bdl	0.584	0.214	2.182	1.487	0.629	2.097	0.386	2.581	0.545	1.621	0.233	1.632	0.243	0.809	HREE-enriched
Horn Plateau	21746-218	157.1	34.07	3.668	5.166	82.11	0.512	bdl	bdl	8.96	3.366	27.56	7.35	1.783	3.81	0.347	1.412	0.179	0.374	0.0432	0.221	0.039	1.482	sinusoidal
Horn Plateau	21746-219	162.9	24.47	0.0513	3.053	4.494	0.333	bdl	bdl	0.921	0.268	1.439	0.223	0.0509	0.172	0.0469	0.473	0.12	0.304	0.0431	0.499	0.123	0.053	sinusoidal
Horn Plateau	21746-221	1805	74.6	0.571	10.08	27.75	0.617	bdl	bdl	0.58	0.206	1.895	1.118	0.45	1.55	0.273	1.822	0.383	1.153	0.155	1.078	0.177	0.72	HREE-enriched
Horn Plateau	21746-224	42.31	22.58	0.235	0.49	2.99	0.313	bdl	bdl	1.112	0.265	1.53	0.396	0.115	0.178	0.0215	0.091	0.0163	0.081	0.0247	0.338	0.0842	0.0353	sinusoidal
Horn Plateau	21746-225	206.7	62.22	0.589	0.632	4.601	0.8	bdl	bdl	0.91	0.323	2.236	0.423	0.084	0.231	0.0253	0.138	0.026	0.063	0.0145	0.152	0.0446	0.097	sinusoidal
Horn Plateau	21746-227	745.5	81.2	0.43	1.327	12.57	0.537	bdl	bdl	0.431	0.1492	1.546	0.783	0.247	0.572	0.0505	0.227	0.0483	0.152	0.0316	0.334	0.0696	0.245	sinusoidal
Horn Plateau	21746-229	272.6	92.5	0.729	0.854	1.776	0.677	bdl	bdl	1.141	0.31	1.868	0.485	0.1176	0.251	0.0241	0.133	0.0347	0.118	0.029	0.302	0.0717	0.0333	sinusoidal
Horn Plateau	21746-231	204.6	45.04	2.322	0.457	3.226	0.514	bdl	bdl	1.934	0.354	1.642	0.237	0.0481	0.113	0.0121	0.063	0.0155	0.077	0.0204	0.224	0.0515	0.063	sinusoidal
Horn Plateau	21746-232	461.8	28.58	1.957	1.918	1.145	0.166	bdl	bdl	3.751	0.536	1.673	0.089	0.0247	0.076	0.0204	0.191	0.0656	0.323	0.0659	0.588	0.1291	0.0417	sinusoidal
Horn Plateau	21746-233	1268	62.16	0.378	9.32	18.65	0.424	bdl	bdl	0.399	0.1421	1.35	0.785	0.335	1.246	0.215	1.592	0.354	1.166	0.18	1.311	0.213	0.488	HREE-enriched
Horn Plateau	21746-235	12.16	26.98	3.661	0.861	14.88	0.259	bdl	bdl	6.485	2.137	14.74	2.9	0.701	1.313	0.1089	0.317	0.0363	0.074	0.0146	0.212	0.0736	0.182	sinusoidal
Horn Plateau	21746-237	409.3	33.57	0.863	10.18	122	0.348	bdl	bdl	1.247	0.508	5.56	3.97	1.591	4.86	0.643	3.02	0.404	0.782	0.0881	0.545	0.0927	1.509	HREE-enriched
Horn Plateau	21746-238	2355	53.37	0.501	8.69	38.2	0.556	bdl	bdl	0.418	0.16	1.625	1.193	0.544	1.93	0.339	1.907	0.322	0.835	0.1088	0.839	0.149	0.733	HREE-enriched

Horn Plateau	21746-241	1670	56.39	0.647	8.67	41.53	0.51	bdl	bdl	0.469	0.175	1.792	1.434	0.594	1.93	0.295	1.816	0.319	0.843	0.1096	0.781	0.1293	0.816	HREE-enriched
Horn Plateau	21746-242	4461	56.33	0.598	16.17	35.47	0.43	bdl	bdl	0.449	0.156	1.619	1.144	0.553	2.125	0.421	3.041	0.631	1.78	0.233	1.632	0.245	0.79	HREE-enriched
Horn Plateau	21746-243	128.7	20.76	0.36	1.03	25.88	0.0692	bdl	bdl	0.629	0.2279	2.297	1.405	0.475	1.466	0.121	0.309	0.0361	0.087	0.0127	0.173	0.0495	0.489	sinusoidal
Horn Plateau	21746-244	578.6	50.46	1.6	2.773	15.9	1.052	bdl	bdl	4.243	1.152	6.54	1.448	0.433	0.977	0.1089	0.595	0.1107	0.284	0.0417	0.337	0.0552	0.4	sinusoidal
Horn Plateau	21746-245	250.3	50.14	1.566	0.707	24.76	0.704	bdl	bdl	2.749	0.766	5.56	1.825	0.441	0.732	0.0594	0.195	0.0245	0.065	0.007	0.13	0.0327	0.432	sinusoidal
Horn Plateau	21746-246	2079	99.3	0.845	5.848	33.15	0.574	bdl	bdl	0.847	0.266	2.292	1.096	0.457	1.405	0.217	1.24	0.231	0.647	0.0988	0.745	0.137	0.875	HREE-enriched
Horn Plateau	21746-247	787.4	74.4	0.624	3.318	14.83	0.599	bdl	bdl	0.523	0.178	1.71	0.978	0.333	0.936	0.1283	0.688	0.1259	0.341	0.0568	0.506	0.0987	0.338	HREE-enriched
Horn Plateau	21746-248	1289	79.19	0.43	3.835	6.93	0.438	bdl	bdl	0.428	0.1532	0.998	0.368	0.159	0.549	0.099	0.699	0.1386	0.435	0.0695	0.547	0.0985	0.208	HREE-enriched
Horn Plateau	21746-249	1577	57.27	0.795	5.765	45.85	0.684	bdl	bdl	0.823	0.275	2.593	1.575	0.539	1.664	0.2356	1.315	0.232	0.574	0.0735	0.532	0.0861	0.986	sinusoidal
Horn Plateau	21746-250	2153	77.2	0.82	8.54	35.38	0.874	bdl	bdl	0.957	0.305	2.73	1.723	0.728	2.33	0.345	1.929	0.328	0.863	0.1161	0.895	0.145	0.88	sinusoidal
Horn Plateau	21746-251	2467	80.2	0.438	6.602	21.67	0.45	bdl	bdl	0.424	0.153	1.467	0.886	0.363	1.147	0.1872	1.207	0.24	0.775	0.1135	0.837	0.145	0.52	HREE-enriched
Horn Plateau	21746-253	370.9	18.19	0.475	1.445	5.82	0.209	bdl	bdl	0.963	0.1619	0.861	0.232	0.0762	0.218	0.0319	0.205	0.0506	0.198	0.0438	0.504	0.106	0.099	HREE-enriched
Horn Plateau	21746-256	452.4	34.24	0.0642	5.384	5.41	0.262	bdl	bdl	0.529	0.0894	0.406	0.147	0.0592	0.295	0.0805	0.708	0.192	0.687	0.1188	0.969	0.164	0.12	HREE-enriched
Horn Plateau	21746-260	1163	75.7	0.518	4.637	16.12	0.546	bdl	bdl	0.668	0.223	1.931	0.942	0.326	0.991	0.1588	0.915	0.159	0.452	0.0594	0.469	0.0872	0.436	sinusoidal
Horn Plateau	21746-261	284.4	71.95	0.403	1.268	6.74	0.73	bdl	bdl	0.974	0.279	1.941	0.467	0.1285	0.372	0.0445	0.275	0.0445	0.146	0.0246	0.236	0.0589	0.134	sinusoidal
Horn Plateau	21746-262	409.2	63.6	1.029	1.052	10.24	0.731	bdl	bdl	1.123	0.413	3.202	0.775	0.18	0.388	0.0387	0.193	0.04	0.124	0.0186	0.206	0.0489	0.245	sinusoidal
Horn Plateau	21746-264	4792	71.2	0.483	15.01	38.81	0.401	bdl	bdl	0.377	0.146	1.345	1.044	0.517	1.786	0.361	2.666	0.577	1.822	0.272	1.969	0.284	0.92	HREE-enriched
Horn Plateau	21746-265	861.8	72.5	0.55	1.704	25.51	0.609	bdl	bdl	0.602	0.212	1.982	1.23	0.416	1.017	0.1169	0.46	0.0638	0.164	0.0294	0.322	0.0734	0.563	HREE-enriched
Horn Plateau	21746-266	1456	63.8	0.269	13.53	38.69	0.304	bdl	bdl	0.217	0.0921	0.927	0.88	0.481	1.94	0.36	2.399	0.492	1.495	0.218	1.503	0.237	0.849	HREE-enriched

Horn Plateau	21746-269	1081.8	67.78	0.854	2.583	5.8	0.976	bdl	bdl	1.132	0.284	1.625	0.398	0.11	0.363	0.0531	0.394	0.0892	0.297	0.0573	0.518	0.0991	0.17	sinusoidal
Horn Plateau	21746-270	1467	69.57	1.89	4.022	27.64	1.736	bdl	bdl	3.07	0.465	2.99	1.353	0.489	1.4	0.185	0.994	0.15	0.383	0.0507	0.397	0.0756	0.723	sinusoidal
Horn Plateau	21746-274	605.2	79.9	0.333	2.76	6.27	0.561	bdl	bdl	0.618	0.178	1.347	0.525	0.189	0.517	0.0631	0.433	0.0968	0.41	0.0743	0.667	0.1337	0.167	sinusoidal
Horn Plateau	21746-275	162	15.31	0.1	1.75	1.237	0.642	bdl	bdl	0.27	0.0737	0.663	0.258	0.091	0.268	0.0398	0.29	0.0651	0.207	0.0331	0.343	0.059	0.0256	HREE-enriched
Horn Plateau	21746-277	29.92	39.36	5.128	0.214	1.807	0.562	bdl	bdl	11.2	1.528	5.28	0.373	0.0597	0.106	0.0071	0.042	0.0059	0.0282	0.0089	0.104	0.032	0.0505	MREE-depleted
Horn Plateau	21746-280	1792	69.3	0.53	5.479	27.79	0.432	bdl	bdl	0.424	0.153	1.63	1.172	0.517	1.698	0.26	1.412	0.223	0.535	0.059	0.514	0.0995	0.646	HREE-enriched
Horn Plateau	21746-281	277.6	37.98	0.237	1.094	4.39	0.148	bdl	bdl	1.314	0.349	2.091	0.498	0.143	0.418	0.0398	0.213	0.04	0.13	0.0261	0.28	0.0637	0.08	sinusoidal
Horn Plateau	21746-282	79.5	45.63	1.36	0.686	14.45	1.429	bdl	bdl	1.71	0.888	9.45	2.2	0.488	0.927	0.0626	0.211	0.0245	0.085	0.0156	0.196	0.0451	0.305	sinusoidal
Horn Plateau	21746-287	512.6	71.7	0.52	1.711	7.9	0.611	bdl	bdl	0.624	0.226	2.037	0.607	0.183	0.435	0.0443	0.322	0.0634	0.225	0.0404	0.411	0.0918	0.214	sinusoidal
Horn Plateau	21746-289	427.6	15.27	0.097	4.14	28.07	0.0708	bdl	bdl	0.144	0.0866	1.255	1.064	0.455	2.009	0.313	1.265	0.154	0.311	0.0468	0.372	0.0728	0.499	HREE-enriched
Horn Plateau	21746-291	529.7	55.72	0.487	4.85	53.85	0.527	bdl	bdl	0.625	0.235	2.477	1.901	0.716	1.998	0.255	1.257	0.19	0.488	0.0685	0.571	0.104	1.1	sinusoidal
Horn Plateau	21746-292	120.4	42.33	0.583	1.242	70.09	0.584	bdl	bdl	1.223	0.47	4.77	3.14	0.958	1.77	0.138	0.441	0.0413	0.094	0.0155	0.175	0.0438	0.968	sinusoidal
Horn Plateau	21746-293	819	24.16	0.278	8.72	47.66	0.122	bdl	bdl	0.511	0.168	1.71	1.457	0.648	2.171	0.34	1.817	0.336	1.084	0.146	1.208	0.175	0.727	HREE-enriched
Horn Plateau	21746-296	204	12.78	0.069	13.59	57.05	0.073	bdl	bdl	0.0238	0.0191	0.624	2.19	0.901	2	0.313	2.619	0.535	1.413	0.183	1.306	0.212	1.014	HREE-enriched
Horn Plateau	21746-297	723.2	52.42	0.626	4.209	24.73	0.679	bdl	bdl	1.095	0.372	2.692	1.357	0.52	1.285	0.1671	1.002	0.1504	0.41	0.0571	0.459	0.0677	0.511	sinusoidal
Horn Plateau	21746-298	55.3	23.99	0.083	0.416	1.522	0.216	bdl	bdl	0.557	0.087	0.341	0.062	0.018	0.068	0.0081	0.0482	0.0158	0.087	0.0214	0.256	0.0711	0.0313	sinusoidal
Horn Plateau	21746-304	64.9	46.3	10.17	0.342	7.21	0.284	bdl	bdl	14.67	2.564	9.23	1.03	0.25	0.57	0.0424	0.12	0.0134	0.0254	0.0063	0.164	0.0568	0.15	sinusoidal
Horn Plateau	21746-305	1953	64.5	0.472	13.35	31.78	0.513	bdl	bdl	0.481	0.1587	1.523	0.984	0.486	1.702	0.32	2.321	0.529	1.638	0.241	1.571	0.212	0.78	HREE-enriched
Horn Plateau	21746-310	1496	56.3	0.721	3.94	61.54	0.567	bdl	bdl	0.507	0.26	2.83	1.92	0.76	1.82	0.233	1.135	0.173	0.389	0.0416	0.388	0.0695	0.974	sinusoidal

Horn Plateau	21746-311	2506	64.9	1.249	8.55	41.35	0.868	bdl	bdl	1.097	0.361	3.32	1.933	0.779	2.39	0.356	2.011	0.318	0.784	0.103	0.704	0.126	0.857	HREE-enriched
Horn Plateau	21746-312	123.2	21.17	5.547	1.902	4.27	0.23	bdl	bdl	3.55	0.704	3.57	0.669	0.171	0.425	0.0504	0.279	0.0623	0.24	0.0436	0.493	0.1028	0.087	sinusoidal
Horn Plateau	21746-313	2180	57.19	0.908	8.19	43.73	0.58	bdl	bdl	0.802	0.289	2.91	2.192	0.896	2.69	0.386	1.965	0.299	0.792	0.1059	0.749	0.127	0.991	HREE-enriched
Horn Plateau	21746-314	78.8	25.96	1.659	7.42	20.63	0.924	bdl	bdl	3.646	0.807	5.46	2.069	0.735	1.93	0.269	1.471	0.225	0.559	0.0726	0.598	0.1083	0.175	sinusoidal
Horn Plateau	21746-317	926.8	49.23	0.499	6.532	54.53	0.5	bdl	bdl	0.459	0.191	2.199	1.686	0.796	2.499	0.325	1.536	0.24	0.619	0.0853	0.744	0.148	0.836	HREE-enriched
Horn Plateau	21746-321	754.2	59.47	0.778	2.57	22.05	0.671	bdl	bdl	1.013	0.4	3.74	1.572	0.467	1.122	0.122	0.616	0.0937	0.258	0.0365	0.364	0.0769	0.407	sinusoidal
Horn Plateau	21746-324	2434	75.4	0.354	12.41	21.28	0.413	bdl	bdl	0.358	0.1082	0.935	0.653	0.346	1.251	0.257	1.981	0.441	1.502	0.212	1.604	0.261	0.569	HREE-enriched
Horn Plateau	21746-326	908.6	18.14	0.147	8.42	13.74	0.074	bdl	bdl	0.387	0.1087	1.242	1.354	0.627	2.7	0.356	1.797	0.309	0.917	0.151	1.049	0.185	0.312	HREE-enriched
Horn Plateau	21746-327	30.47	30.9	2.381	0.51	15.15	0.599	bdl	bdl	6.417	2.24	14.57	2.23	0.457	0.829	0.0649	0.198	0.0194	0.041	0.0052	0.096	0.0251	0.264	sinusoidal
Horn Plateau	21746-330	1832	67	0.397	8.35	20.95	0.354	bdl	bdl	0.36	0.139	1.294	0.833	0.352	1.156	0.211	1.495	0.338	1.022	0.147	1.245	0.201	0.579	HREE-enriched
Horn Plateau	21746-331	120.4	48.64	1.502	1.45	9.25	0.343	bdl	bdl	3.91	0.724	3.9	0.641	0.17	0.393	0.0415	0.24	0.0536	0.19	0.0445	0.508	0.1002	0.18	sinusoidal
Horn Plateau	21746-333	626.1	28.48	0.0629	2.333	4.83	0.113	bdl	bdl	0.228	0.0682	0.646	0.253	0.077	0.257	0.0432	0.35	0.0843	0.313	0.0573	0.552	0.113	0.145	HREE-enriched
Horn Plateau	21746-334	2190	56.77	0.377	11.93	21.6	0.292	bdl	bdl	0.288	0.123	1.217	0.842	0.338	1.379	0.26	2.019	0.437	1.433	0.205	1.69	0.255	0.503	HREE-enriched
Horn Plateau	21746-335	997	42.27	0.6	7.477	41.99	0.589	bdl	bdl	0.65	0.268	2.913	2.12	0.869	2.69	0.358	1.721	0.25	0.654	0.1161	0.932	0.174	0.6	sinusoidal
Trout Lake	20164-002	365.4	35.6	0.12	1.071	3.23	0.1896	bdl	bdl	0.3738	0.0876	0.528	0.173	0.0608	0.182	0.0266	0.174	0.0393	0.146	0.0372	0.354	0.0786	0.093	sinusoidal
Trout Lake	20164-003	846.4	47.79	0.0334	8.4	2.136	0.23	bdl	bdl	0.061	0.0125	0.1	0.096	0.0661	0.379	0.1165	1.07	0.2984	1.074	0.1796	1.459	0.2339	0.0576	HREE-enriched
Trout Lake	20164-004	482	38.2	0.0717	11.25	4.44	0.506	bdl	bdl	0.168	0.043	0.271	0.172	0.094	0.516	0.1407	1.388	0.38	1.38	0.222	1.697	0.3	0.083	HREE-enriched
Trout Lake	20164-005	269.3	23.87	0.302	12.305	69.71	0.1964	bdl	bdl	0.673	0.2782	3.078	2.478	1.039	3.543	0.514	2.78	0.481	1.209	0.1613	1.123	0.1922	0.956	HREE-enriched
Trout Lake	20164-008	458.7	22.97	0.1982	2.903	3.93	0.2268	bdl	bdl	0.844	0.1259	0.691	0.217	0.0864	0.297	0.0557	0.417	0.1089	0.391	0.0693	0.581	0.1138	0.133	sinusoidal

Trout Lake	20164-009	350.1	18.66	0.272	51.66	47.3	0.1143	bdl	bdl	0.461	0.2084	2.512	2.322	1.163	4.815	1.046	8.15	1.962	6.024	0.908	6.539	0.998	0.465	HREE-enriched
Trout Lake	20164-010	320.2	37.36	0.76	1.427	3.645	0.44	bdl	bdl	0.521	0.1398	1.032	0.219	0.0652	0.189	0.0345	0.212	0.0562	0.182	0.0377	0.351	0.0686	0.0982	sinusoidal
Trout Lake	20164-011	158.6	22.81	0.406	4.763	31.11	0.1474	bdl	bdl	1.41	0.4435	3.664	1.369	0.43	1.268	0.1788	0.976	0.1809	0.519	0.0877	0.753	0.1633	0.458	HREE-enriched
Trout Lake	20164-012	174.8	21.08	0.855	5.084	35.79	0.566	bdl	bdl	1.872	0.724	6.01	1.788	0.522	1.423	0.204	1.084	0.175	0.511	0.0771	0.617	0.135	0.76	HREE-enriched
Trout Lake	20164-013	154.3	23.25	0.476	7.689	35.91	0.1885	bdl	bdl	1.592	0.525	4.787	1.976	0.638	1.985	0.3025	1.704	0.2972	0.767	0.1052	0.805	0.1435	0.553	HREE-enriched
Trout Lake	20164-014	84.4	18.49	0.37	8.681	52.25	0.333	bdl	bdl	1.28	0.522	5.5	2.845	0.995	2.88	0.412	2.084	0.325	0.773	0.1007	0.808	0.1621	0.734	HREE-enriched
Trout Lake	20164-015	2107	30.23	1.29	8.251	66.14	0.0916	bdl	bdl	1.243	0.3015	2.469	1.262	0.501	1.569	0.2619	1.556	0.302	0.86	0.125	0.917	0.163	1.341	HREE-enriched
Trout Lake	20164-016	1630	25.38	0.486	4.124	39.7	0.2616	bdl	bdl	0.92	0.3323	3.131	0.982	0.341	0.856	0.1214	0.716	0.1616	0.528	0.0924	0.705	0.1392	0.966	HREE-enriched
Trout Lake	20164-017	184.6	22.41	0.289	8.306	59.91	0.3406	bdl	bdl	0.717	0.286	3.065	2.26	0.848	2.662	0.3771	1.937	0.3104	0.739	0.1002	0.717	0.1351	0.741	HREE-enriched
Trout Lake	20164-018	2157	27.06	0.261	10.868	48.92	bdl	bdl	bdl	0.3234	0.1322	1.435	0.985	0.455	1.491	0.2639	1.801	0.411	1.258	0.198	1.514	0.2497	0.962	HREE-enriched
Trout Lake	20164-019	1266	26.15	0.141	12.405	12.39	0.0797	bdl	0.0163	0.159	0.0755	0.936	0.537	0.2148	0.916	0.2033	1.748	0.458	1.588	0.2439	1.863	0.3049	0.338	HREE-enriched
Trout Lake	20164-021	70	24.39	0.25	1.183	8.68	0.336	bdl	0.0654	0.54	0.2089	2.114	0.791	0.2018	0.426	0.0436	0.218	0.0458	0.141	0.0312	0.364	0.0835	0.182	sinusoidal
Trout Lake	20164-022	153	22.61	0.416	4.89	32.44	0.15	bdl	0.157	1.293	0.42	3.57	1.33	0.413	1.328	0.171	0.916	0.18	0.572	0.085	0.747	0.167	0.486	HREE-enriched
Trout Lake	20164-025	248.7	28.46	0.242	1.047	4.059	0.1436	bdl	0.0568	0.493	0.1776	1.42	0.327	0.0809	0.157	0.023	0.143	0.0373	0.14	0.0356	0.328	0.074	0.103	sinusoidal
Trout Lake	20164-027	59.22	22.99	0.632	8.124	35.44	0.728	bdl	0.1662	2.074	0.843	7.56	2.783	0.937	2.665	0.386	1.858	0.3124	0.695	0.0893	0.662	0.1374	0.446	HREE-enriched
Trout Lake	20164-028	985.4	27.76	0.0425	10.549	8.12	0.1039	bdl	0.0102	0.0738	0.024	0.252	0.197	0.1037	0.586	0.156	1.416	0.378	1.33	0.2189	1.566	0.275	0.235	HREE-enriched
Trout Lake	20164-029	1156	28.11	0.282	2.923	24.6	0.053	bdl	0.0437	0.464	0.1888	1.784	0.723	0.28	0.787	0.1051	0.571	0.0995	0.286	0.0472	0.456	0.0908	0.496	sinusoidal
Trout Lake	20164-030	377.5	37.31	bdl	5.362	2.003	0.1184	bdl	0.0041	0.0264	0.0086	0.0854	0.0627	0.0308	0.186	0.0624	0.603	0.1906	0.741	0.123	1.037	0.1767	0.061	HREE-enriched
Trout Lake	20164-031	24.36	16.6	0.237	14.33	36.92	0.1172	bdl	0.078	0.585	0.2275	2.611	2.354	0.994	3.292	0.514	3.013	0.578	1.477	0.1925	1.297	0.2251	0.334	HREE-enriched

Trout Lake	20164-032	21.24	15.69	0.2022	13.62	35.63	0.098	bdl	0.0242	0.43	0.1974	2.398	2.192	0.916	3.094	0.471	2.876	0.55	1.364	0.18	1.276	0.2173	0.317	HREE-enriched
Trout Lake	20164-033	45.69	18.73	2.86	4.091	9.17	0.428	bdl	0.63	1.04	0.236	1.864	0.653	0.23	0.578	0.0859	0.554	0.1441	0.513	0.097	0.862	0.1728	0.0576	sinusoidal
Trout Lake	20164-034	1463.2	26.88	0.175	15.65	33.59	0.0536	bdl	0.0379	0.2603	0.0702	0.698	0.873	0.504	1.872	0.34	2.453	0.585	1.814	0.266	1.954	0.3067	0.54	HREE-enriched
Trout Lake	20164-035	131.1	33.47	0.0355	4.214	0.93	0.305	bdl	0.0171	0.114	0.0235	0.141	0.0281	0.0131	0.098	0.0371	0.442	0.1437	0.603	0.1144	1.013	0.1785	0.0063	HREE-enriched
Trout Lake	20164-036	247.5	22.34	0.518	20.08	71.63	0.319	bdl	0.124	0.771	0.281	2.85	2.25	1.059	3.92	0.68	4.15	0.791	2.026	0.241	1.624	0.262	0.864	HREE-enriched
Trout Lake	20164-037	94.2	21.22	0.787	6.058	40.82	0.298	bdl	0.162	1.688	0.754	8.82	2.818	0.822	2.394	0.329	1.589	0.244	0.475	0.0624	0.44	0.0877	0.703	HREE-enriched
Trout Lake	20164-038	21.74	23.98	0.479	2.292	22.16	0.354	bdl	0.1322	1.513	0.669	7.19	2.902	0.79	1.683	0.1467	0.604	0.0851	0.191	0.0239	0.186	0.0403	0.247	HREE-enriched
Trout Lake	20164-039	25.58	20.5	0.574	7.301	59.38	0.434	bdl	0.0997	1.491	0.787	9.01	2.621	0.924	3.083	0.42	2.037	0.2784	0.542	0.0554	0.354	0.0718	0.924	HREE-enriched
Trout Lake	20164-040	856.9	35.68	0.0345	11.281	5.112	0.1258	bdl	0.006	0.0551	0.0181	0.177	0.166	0.0963	0.6	0.1723	1.56	0.419	1.411	0.2349	1.779	0.2876	0.179	HREE-enriched
Trout Lake	20164-041	61.4	16.1	0.132	124.19	25.77	0.0873	bdl	0.0107	0.2272	0.125	1.686	2.753	1.98	12.48	3.923	28.35	4.665	8.93	0.765	3.543	0.502	0.223	HREE-enriched
Trout Lake	20164-042	1830	25.84	0.214	14.95	62.3	0.0297	bdl	0.0106	0.1399	0.0717	1.005	1.15	0.554	2.004	0.3428	2.357	0.548	1.781	0.273	1.982	0.32	1.131	HREE-enriched
Trout Lake	20164-043	470.9	32.89	0.1866	1.189	9.45	0.2188	bdl	0.1028	1.03	0.3194	2.313	0.48	0.1171	0.325	0.0421	0.241	0.0406	0.1121	0.0219	0.192	0.0424	0.193	sinusoidal
Trout Lake	20164-044	515.3	38.79	3.48	10.76	10.39	2.105	bdl	1.336	2.47	0.275	0.996	0.256	0.1032	0.559	0.1569	1.411	0.385	1.398	0.2259	1.733	0.289	0.232	sinusoidal
Trout Lake	20164-046	557.5	40.87	0.236	2.593	4.57	0.397	bdl	0.2196	0.944	0.1593	0.859	0.229	0.0629	0.226	0.043	0.342	0.0951	0.365	0.0701	0.613	0.1185	0.0767	sinusoidal
Trout Lake	20164-047	335.1	27.62	0.0428	3.836	0.834	0.1518	bdl	0.018	0.1757	0.0512	0.28	0.077	0.0338	0.163	0.0445	0.423	0.1297	0.529	0.1114	0.915	0.1801	0.0273	HREE-enriched
Trout Lake	20164-049	114	22.63	0.609	2.095	12.15	0.239	bdl	0.2713	2.78	0.872	5.038	1.234	0.384	0.819	0.0911	0.39	0.0716	0.246	0.0551	0.538	0.114	0.157	sinusoidal
Trout Lake	20164-050	56.6	22.36	0.62	71.59	34.92	0.195	bdl	0.131	0.636	0.272	3.27	2.76	1.408	6.09	1.335	10.73	2.817	9.12	1.164	6.87	0.928	0.492	HREE-enriched
Trout Lake	20164-051	549.7	36.2	2.59	3.063	10.71	1.002	bdl	0.739	2.038	0.425	2.534	0.714	0.226	0.546	0.0791	0.473	0.1141	0.371	0.0693	0.598	0.1088	0.242	sinusoidal
Trout Lake	20164-052	61.4	20.01	0.285	2.995	41.29	0.2799	bdl	0.0752	0.7	0.289	3.112	1.932	0.626	1.658	0.1886	0.786	0.1136	0.27	0.0349	0.328	0.0698	0.558	HREE-enriched

Trout Lake	20164-053	1744	50.7	1.19	8.155	16.86	0.503	bdl	0.204	0.481	0.117	0.917	0.75	0.32	1.248	0.217	1.454	0.306	0.887	0.1415	1.055	0.191	0.392	HREE-enriched
Trout Lake	20164-054	68.2	23.21	1.15	19.02	41.19	0.332	bdl	0.132	0.539	0.2246	2.791	3.028	1.564	6.35	0.937	4.481	0.784	1.859	0.1963	1.191	0.1637	0.538	HREE-enriched
Trout Lake	20164-055	1413	70.34	0.751	9.072	39.74	0.364	bdl	0.098	0.513	0.1534	1.556	1.302	0.524	1.739	0.261	1.583	0.344	1.054	0.1463	1.172	0.2011	0.883	HREE-enriched
Trout Lake	20164-056	14.15	20.96	0.191	2.98	18.56	0.193	bdl	0.0641	1.027	0.513	6.239	2.876	0.516	1.22	0.1585	0.807	0.1165	0.27	0.0323	0.254	0.0572	0.299	HREE-enriched
Trout Lake	20164-057	2308	33.1	0.205	3.037	56.35	0.0465	bdl	0.0187	0.338	0.1946	1.982	0.719	0.281	0.873	0.1265	0.657	0.1104	0.272	0.0377	0.313	0.0659	1.237	HREE-enriched
Trout Lake	20164-059	72.1	33	4.82	15.77	64.38	0.827	bdl	1.413	3.34	0.689	5.41	3.114	1.099	3.429	0.509	3.076	0.596	1.606	0.214	1.557	0.275	0.82	sinusoidal
Trout Lake	20164-060	124.9	22.81	0.399	6.681	33.24	0.2647	bdl	0.1603	1.471	0.497	4.442	2.026	0.701	1.957	0.2478	1.294	0.2401	0.744	0.118	1.022	0.1955	0.468	HREE-enriched
Trout Lake	20164-061	107.9	21.8	0.3	8.228	62.1	0.0872	bdl	0.1381	1.301	0.464	4.523	2.54	0.942	3.051	0.442	2.098	0.327	0.785	0.1132	0.897	0.1762	0.921	HREE-enriched
Trout Lake	20164-062	754.7	46.36	0.0312	10.06	3.828	0.351	bdl	0.007	0.052	0.0146	0.129	0.132	0.0801	0.505	0.1495	1.334	0.358	1.262	0.2008	1.547	0.2559	0.185	HREE-enriched
Trout Lake	20164-063	376.4	33.6	0.0407	5.677	2.523	0.1458	bdl	0.0169	0.138	0.041	0.33	0.099	0.0478	0.234	0.0698	0.656	0.2002	0.771	0.1469	1.334	0.2446	0.0494	HREE-enriched
Trout Lake	20164-064	32.92	23.46	0.337	54.24	32.01	0.1493	bdl	0.0551	0.627	0.2753	3.15	2.849	1.506	6.65	1.476	10.68	2.141	4.783	0.479	2.343	0.294	0.399	HREE-enriched
Trout Lake	20164-065	312.3	31.42	0.354	1.255	9.35	0.0814	bdl	0.1313	1.071	0.2769	1.933	0.446	0.121	0.328	0.0401	0.233	0.0439	0.144	0.0278	0.294	0.0591	0.189	sinusoidal
Trout Lake	20164-066	162.4	23.97	0.27	7.97	41.09	0.2438	bdl	0.081	0.974	0.3933	3.464	1.604	0.615	2.179	0.3308	1.757	0.3189	0.746	0.108	0.779	0.1386	0.603	HREE-enriched
Trout Lake	20164-067	279	20.22	0.483	22.42	44.84	0.1919	bdl	0.0599	0.969	0.4972	6.38	6.55	2.866	9.41	1.211	5.518	0.879	2.234	0.301	2.02	0.326	0.533	HREE-enriched
Trout Lake	20164-068	113.1	21.52	0.226	55.93	55.03	0.2013	bdl	0.0307	0.398	0.1859	2.458	3.26	2.026	9.65	2.026	12.18	2.083	4.482	0.478	2.629	0.386	0.635	HREE-enriched
Trout Lake	20164-069	205.5	22.94	0.0981	6.113	2.172	0.87	bdl	0.0388	0.3167	0.0836	0.559	0.237	0.0861	0.34	0.0751	0.733	0.2113	0.774	0.1364	1.135	0.2057	0.0217	HREE-enriched
Trout Lake	20164-070	335.7	39.96	bdl	4.767	0.055	0.179	bdl	0.0099	0.0609	0.0126	0.075	0.03	0.0194	0.137	0.0455	0.567	0.174	0.629	0.1126	0.9	0.1539	0.0069	HREE-enriched
Trout Lake	20164-071	259.3	23.14	0.273	14.12	72.8	0.16	bdl	0.0737	0.593	0.2135	2.297	2.064	0.997	3.798	0.613	3.41	0.575	1.287	0.1666	1.175	0.194	1.065	HREE-enriched
Trout Lake	20164-072	241.5	23.22	0.292	14.49	81.24	0.1854	bdl	0.0708	0.74	0.2891	3.118	2.175	0.941	3.239	0.544	3.176	0.575	1.463	0.1878	1.286	0.2149	1.306	HREE-enriched

Trout Lake	20164-073	181.9	23.39	0.358	3.342	24.2	0.3021	bdl	0.123	1.366	0.537	4.324	1.336	0.433	1.209	0.1312	0.646	0.1265	0.394	0.0634	0.53	0.0966	0.326	sinusoidal
Trout Lake	20164-074	979.6	26.53	0.31	5.612	73.85	0.1527	bdl	0.0608	0.528	0.2021	2.243	1.649	0.688	2.125	0.2901	1.384	0.2067	0.456	0.0638	0.414	0.0808	1.16	HREE-enriched
Trout Lake	20164-075	113.1	21.39	0.294	11.84	52.74	0.086	bdl	0.1369	1.172	0.399	4.21	2.808	1.081	3.21	0.443	2.512	0.478	1.291	0.183	1.308	0.216	0.703	HREE-enriched
Trout Lake	20164-076	111.3	21.47	0.208	55.15	51.62	0.2056	bdl	0.0246	0.387	0.1845	2.359	3.166	1.957	9.6	2.001	12.13	2.085	4.541	0.481	2.666	0.377	0.586	HREE-enriched
Trout Lake	20164-077	721	24.75	0.188	6.012	17.82	0.238	bdl	0.1528	0.666	0.1358	0.998	0.408	0.1665	0.566	0.1155	0.926	0.2157	0.755	0.1212	0.966	0.1743	0.527	HREE-enriched
Trout Lake	20164-079	2406	33.41	0.217	3.505	55.99	0.0336	bdl	0.0277	0.339	0.1751	1.877	0.745	0.268	0.833	0.1288	0.722	0.1252	0.313	0.0491	0.378	0.0723	1.324	HREE-enriched
Trout Lake	20164-080	95.2	28.54	0.583	3.961	49.11	0.196	bdl	0.216	2.742	0.813	6.75	3.23	0.983	2.515	0.245	0.969	0.1555	0.413	0.0558	0.504	0.1047	0.797	HREE-enriched
Trout Lake	20164-082	169.7	22.68	0.814	5.942	35.32	0.342	bdl	0.135	1.322	0.598	5.98	2.9	0.872	2.38	0.267	1.366	0.232	0.513	0.0578	0.511	0.1053	0.668	HREE-enriched
Trout Lake	20164-083	1203	41	0.292	3.269	12.69	0.1639	bdl	0.1	0.631	0.1808	1.341	0.537	0.1816	0.571	0.0985	0.617	0.1343	0.368	0.0535	0.447	0.0733	0.401	sinusoidal
Trout Lake	20164-084	29.13	22.77	0.242	0.673	1.221	0.353	bdl	0.1884	1.336	0.2585	1.001	0.171	0.0595	0.128	0.0178	0.091	0.0201	0.0787	0.0212	0.257	0.0661	0.0044	sinusoidal
Trout Lake	20164-085	304.7	24.39	0.244	2.346	1.753	0.1074	bdl	0.2555	1.188	0.2051	0.922	0.143	0.0446	0.155	0.0317	0.272	0.0831	0.363	0.0705	0.698	0.1418	0.0585	sinusoidal
Trout Lake	20164-087	63.7	23.8	0.455	5.9	43.24	0.34	bdl	0.1028	0.994	0.477	5.98	3.37	0.988	2.56	0.262	1.279	0.213	0.52	0.0729	0.558	0.0985	0.54	HREE-enriched
Trout Lake	20164-088	351	27.24	2.41	10.12	12.7	0.443	bdl	0.613	1.542	0.354	2.151	0.738	0.304	1.057	0.2103	1.619	0.384	1.185	0.1751	1.28	0.2234	0.253	sinusoidal
Trout Lake	20164-089	83.3	20.18	0.492	14.67	45.4	0.0613	bdl	0.1125	1.517	0.66	6.67	3.888	1.545	5.48	0.839	4.161	0.59	1.285	0.1499	1.038	0.1859	0.512	HREE-enriched
Trout Lake	20164-090	47.26	21.53	0.373	10.875	55.01	0.1174	bdl	0.1338	1.398	0.561	5.91	3.08	1.213	4.022	0.577	2.77	0.446	1.06	0.1468	1.212	0.2585	0.712	HREE-enriched
Trout Lake	20164-091	121.7	18.57	0.395	8.731	42.44	0.253	bdl	0.0751	0.876	0.322	3.088	2.09	0.811	2.523	0.311	1.603	0.322	1.049	0.1812	1.542	0.305	0.479	HREE-enriched
Trout Lake	20164-092	2741	27.36	2.41	14.11	62.59	0.0279	bdl	0.0167	0.198	0.1168	1.547	1.386	0.64	2.389	0.436	2.827	0.557	1.496	0.193	1.337	0.204	1.401	HREE-enriched
Trout Lake	20164-093	660.1	24.57	0.227	4.028	12.28	0.1504	bdl	0.0931	0.654	0.2001	1.736	0.752	0.309	0.814	0.1102	0.717	0.1502	0.481	0.0758	0.618	0.1027	0.333	HREE-enriched
Trout Lake	20164-095	1081	24.7	0.354	5.336	14.58	0.165	bdl	0.156	0.924	0.25	2.16	1.051	0.337	1.148	0.176	1.108	0.199	0.56	0.0829	0.611	0.113	0.344	HREE-enriched

Trout Lake	20164-096	39.14	16.75	0.281	3.404	5.066	0.2182	bdl	0.0513	0.865	0.329	2.729	0.773	0.24	0.66	0.0955	0.567	0.1175	0.41	0.0769	0.796	0.1635	0.068	sinusoidal
Trout Lake	20164-097	111.2	21.56	0.217	54.34	53.81	0.1946	bdl	0.0275	0.386	0.1838	2.398	3.12	1.985	9.54	1.972	11.99	2.062	4.463	0.474	2.667	0.379	0.631	HREE-enriched
Trout Lake	20164-098	142.9	22.11	1.866	8.205	58.5	1.008	bdl	0.479	1.167	0.3118	3.028	2.211	0.93	3.048	0.434	2.155	0.324	0.721	0.0937	0.659	0.1223	0.755	sinusoidal
Trout Lake	20164-099	534.4	26.4	0.404	1.548	21.12	0.429	bdl	0.283	2.032	0.51	3.163	0.815	0.225	0.525	0.0589	0.31	0.063	0.18	0.0302	0.261	0.0562	0.445	sinusoidal
Trout Lake	20164-100	18.57	16.28	0.86	34.1	38.84	0.909	bdl	0.425	2.079	0.764	8.14	6.2	2.755	8.36	1.235	6.57	1.193	3.08	0.442	3.42	0.611	0.178	sinusoidal
Trout Lake	20164-101	1473	27.2	0.468	15.31	55.55	0.072	bdl	0.08	0.26	0.093	1.089	1.192	0.566	2.15	0.443	2.96	0.604	1.61	0.208	1.437	0.204	0.98	HREE-enriched
Trout Lake	20164-102	666.5	22.76	0.342	4.463	17.58	0.256	bdl	0.228	1.546	0.403	2.817	1.006	0.335	1.111	0.1587	0.928	0.179	0.539	0.0846	0.718	0.1483	0.306	HREE-enriched
Trout Lake	20164-110	614.3	24.7	0.233	3.15	7.68	0.28	bdl	0.182	1.197	0.295	1.908	0.451	0.107	0.364	0.063	0.465	0.1135	0.409	0.0722	0.618	0.1126	0.153	sinusoidal
Trout Lake	20164-114	17.96	19.93	0.405	10.4	55.89	0.233	bdl	0.113	0.871	0.37	4.13	3.44	1.643	5.58	0.715	3.05	0.392	0.746	0.0743	0.727	0.1671	0.573	HREE-enriched
Trout Lake	20164-123	1262.1	25.21	0.224	11.183	63.04	0.0397	bdl	0.0117	0.1481	0.0766	1.089	1.408	0.649	1.864	0.271	1.802	0.419	1.326	0.2099	1.541	0.2509	0.96	HREE-enriched
Trout Lake	20164-125	165.3	25.66	0.146	2.175	2.919	0.461	bdl	0.1553	0.831	0.1764	1.043	0.271	0.0721	0.158	0.028	0.228	0.0726	0.311	0.0563	0.554	0.1113	0.0381	sinusoidal
Trout Lake	20164-126	360.7	25.05	0.0739	6.05	11.88	0.1788	bdl	0.028	0.2632	0.0909	0.858	0.445	0.1421	0.473	0.0953	0.775	0.2208	0.793	0.1375	1.103	0.1976	0.149	HREE-enriched
Trout Lake	20164-128	1802	25.92	0.1606	16.46	32.42	0.0569	bdl	0.0152	0.1422	0.056	0.66	0.675	0.412	1.646	0.3725	2.717	0.625	1.902	0.2795	2.014	0.3062	0.561	HREE-enriched
Trout Lake	20164-129	161.6	24.21	1.03	6.161	42.19	0.221	bdl	0.336	1.569	0.405	2.91	1.768	0.692	2.11	0.347	1.803	0.25	0.525	0.073	0.614	0.1138	0.569	sinusoidal
Trout Lake	20164-130	1490.8	26.3	0.485	6.317	76.45	0.0935	bdl	0.0805	0.843	0.279	2.393	1.153	0.454	1.371	0.2137	1.262	0.2483	0.653	0.095	0.687	0.1238	1.58	HREE-enriched
Trout Lake	20164-131	14.81	21.29	0.403	0.83	9.227	0.332	bdl	0.13	1.694	0.547	3.908	0.994	0.2681	0.644	0.0598	0.25	0.031	0.0676	0.0143	0.177	0.0495	0.136	sinusoidal
Trout Lake	20164-133	78.9	23.44	1.582	2.972	13.64	0.619	bdl	0.1793	1.513	0.519	4.41	1.344	0.435	0.948	0.1287	0.63	0.115	0.318	0.0419	0.373	0.0621	0.151	sinusoidal
Trout Lake	20164-134	160.5	22.69	0.367	8.434	42.32	0.29	bdl	0.1173	0.936	0.3292	3.06	1.724	0.624	1.897	0.292	1.733	0.324	0.889	0.1298	0.97	0.1659	0.555	HREE-enriched
Trout Lake	20164-136	15.03	14.46	0.2016	2.832	6.353	0.0839	bdl	0.0157	0.3062	0.132	1.476	1.012	0.408	1.18	0.163	0.691	0.0963	0.299	0.0592	0.637	0.1406	0.061	HREE-enriched

Trout Lake	20164-138	66.98	19.2	0.442	3.679	37.9	0.2359	bdl	0.0703	1.121	0.574	7.29	3.207	1.014	1.974	0.2275	0.929	0.1402	0.323	0.0486	0.473	0.1117	0.647	HREE-enriched
Trout Lake	20164-139	1195.6	36.45	0.0409	13.39	6.502	0.1863	bdl	0.00538	0.051	0.0199	0.219	0.308	0.1666	0.853	0.2163	1.878	0.498	1.716	0.2823	2.234	0.3497	0.165	HREE-enriched
Trout Lake	20164-140	318.4	23.85	0.0793	6.35	15.72	0.202	bdl	0.0267	0.271	0.0955	0.861	0.453	0.1666	0.617	0.1153	0.928	0.2317	0.795	0.1356	1.105	0.189	0.313	HREE-enriched
Trout Lake	20164-143	32.99	18.66	0.2561	24.18	41.55	0.187	bdl	0.0447	0.599	0.2605	3.367	3.597	1.791	6.61	1.083	5.797	0.943	2.033	0.2229	1.426	0.2383	0.383	HREE-enriched
Trout Lake	20164-144	199.5	21.21	1.07	2.659	23	0.1767	bdl	0.323	2.48	0.756	5.455	1.226	0.357	0.991	0.1349	0.702	0.1038	0.232	0.0341	0.368	0.0879	0.54	sinusoidal
Trout Lake	20164-145	83.27	16.12	0.235	27.24	39.64	0.2052	bdl	0.0307	0.486	0.2111	2.463	2.287	1.196	4.66	0.878	5.517	1.043	2.687	0.352	2.381	0.379	0.272	HREE-enriched
Trout Lake	20164-146	139	22.54	0.0716	5.149	1.845	0.397	bdl	0.0575	0.3479	0.0821	0.518	0.162	0.073	0.331	0.0698	0.647	0.1776	0.68	0.122	0.971	0.1797	0.0368	sinusoidal
Trout Lake	20164-147	17.1	18.84	0.339	9.462	50.89	0.1938	bdl	0.0528	0.687	0.3051	3.613	3.207	1.472	5.02	0.64	2.791	0.354	0.635	0.0737	0.622	0.1509	0.482	HREE-enriched
Trout Lake	20164-149	168.1	21.57	2.09	4.868	3.342	1.689	bdl	0.815	1.811	0.322	1.843	0.389	0.1149	0.339	0.0719	0.642	0.1666	0.611	0.0993	0.881	0.1559	0.0475	sinusoidal
Trout Lake	20164-150	539.8	26.52	0.0584	6.265	5.39	0.1132	bdl	0.0081	0.1225	0.0546	0.602	0.386	0.13	0.421	0.0899	0.753	0.2218	0.831	0.1391	1.176	0.2035	0.1	HREE-enriched
Trout Lake	20164-151	131.1	22.51	0.1587	3.04	3.92	0.2143	bdl	0.093	0.467	0.1381	1.284	0.45	0.1246	0.275	0.0425	0.353	0.1076	0.43	0.0841	0.771	0.1439	0.0648	sinusoidal
Trout Lake	20164-152	96.19	17.71	0.2662	23.1	33.81	0.1434	bdl	0.0327	0.579	0.2872	3.056	2.395	1.272	5.57	1.088	5.934	0.886	1.704	0.1787	1.069	0.1649	0.31	HREE-enriched
Trout Lake	20164-153	17.7	18.91	0.3722	9.827	55.18	0.2024	bdl	0.0585	0.748	0.3404	3.881	3.298	1.559	5.302	0.663	2.926	0.377	0.645	0.0762	0.651	0.1559	0.534	HREE-enriched
Trout Lake	20164-154	62.11	16.63	0.232	12.645	28.63	0.1205	bdl	0.0671	0.44	0.1496	1.72	1.679	0.797	2.381	0.414	2.573	0.504	1.326	0.1918	1.583	0.2901	0.214	HREE-enriched
Trout Lake	20164-156	17.31	18.9	0.369	9.985	52.62	0.1984	bdl	0.0543	0.703	0.3074	3.766	3.306	1.613	5.268	0.67	2.904	0.378	0.679	0.0738	0.631	0.1638	0.487	HREE-enriched
Trout Lake	20164-157	188.5	21.98	0.499	6.516	39.34	0.1915	bdl	0.102	1.567	0.631	6.143	2.477	0.836	2.258	0.2776	1.429	0.2644	0.697	0.0929	0.705	0.1169	0.69	HREE-enriched
Trout Lake	20164-158	41.51	19.79	0.424	35.87	51.75	0.2118	bdl	0.0725	1.15	0.474	4.919	3.616	1.619	6.11	1.173	7.474	1.419	3.501	0.413	2.508	0.372	0.629	HREE-enriched
Trout Lake	20164-159	302.4	29.65	0.0272	4.025	1.454	0.0907	bdl	0.021	0.1462	0.0407	0.254	0.0723	0.0257	0.129	0.0393	0.44	0.1435	0.568	0.1041	0.886	0.1633	0.031	HREE-enriched
Trout Lake	20164-160	1298.6	23.82	0.2584	9.93	24.95	0.14	bdl	0.0276	0.315	0.1239	1.403	1.147	0.478	1.49	0.2401	1.619	0.3614	1.149	0.1767	1.389	0.2336	0.452	HREE-enriched

Trout Lake	20164-161	673.9	45.4	0.0657	7.206	2.84	0.675	bdl	0.0459	0.2488	0.0511	0.318	0.155	0.0678	0.324	0.0886	0.917	0.2506	0.938	0.1603	1.313	0.2141	0.0217	HREE-enriched
Trout Lake	20164-165	17.77	21.48	0.341	4.233	34.84	0.1402	bdl	0.1422	1.478	0.553	5.272	2.359	0.772	1.853	0.2167	1.015	0.1665	0.434	0.0572	0.49	0.1049	0.462	HREE-enriched
Trout Lake	20164-166	1181	37.6	0.0349	13.06	6.227	0.1869	bdl	0.005	0.0577	0.0203	0.205	0.283	0.1648	0.815	0.2045	1.848	0.49	1.696	0.278	2.075	0.347	0.191	HREE-enriched
Trout Lake	20164-167	157.3	20.02	0.3579	86.3	42.18	0.1552	bdl	0.0424	0.577	0.2697	3.122	3.401	1.864	7.82	1.64	12.99	3.464	10.865	1.378	7.8	1.005	0.572	HREE-enriched
Trout Lake	20164-169	386.6	20.52	0.1767	4.031	2.323	0.433	bdl	0.2141	1.313	0.2589	1.063	0.134	0.0509	0.252	0.0604	0.554	0.1413	0.512	0.0862	0.737	0.1328	0.0905	sinusoidal
Trout Lake	20164-171	30.01	18.81	0.3	21.24	52.23	0.1811	bdl	0.064	0.682	0.2848	3.433	4.644	2.488	9.36	1.372	6.243	0.799	1.637	0.2	1.436	0.263	0.304	HREE-enriched
Trout Lake	20164-177	169.5	24.54	0.0482	4.725	5.693	0.262	bdl	0.0286	0.2108	0.0621	0.456	0.176	0.0666	0.263	0.0594	0.54	0.1608	0.624	0.1184	0.978	0.1732	0.088	HREE-enriched
Trout Lake	20164-178	174.4	24.54	0.348	2.349	6.3	0.442	bdl	0.379	1.184	0.2412	1.434	0.423	0.1308	0.313	0.0416	0.281	0.0769	0.322	0.0611	0.581	0.1131	0.0784	sinusoidal
Trout Lake	20164-179	158.1	23.69	2.96	3.085	10.37	1.17	bdl	1.619	3.22	0.402	1.949	0.609	0.191	0.519	0.0682	0.451	0.1063	0.411	0.0687	0.662	0.1179	0.148	sinusoidal
Trout Lake	20164-181	54.1	21.65	1.5	1.87	3.95	1.076	bdl	1.07	4.02	0.901	4.4	0.717	0.164	0.529	0.0709	0.387	0.0651	0.181	0.0325	0.319	0.0664	0.054	sinusoidal
Trout Lake	20164-183	167.5	19.9	0.453	15.71	35.27	0.0947	bdl	0.0682	1.042	0.46	4.611	2.523	1.038	3.376	0.485	2.861	0.667	2.211	0.359	2.91	0.539	0.512	HREE-enriched
Trout Lake	20164-184	38.35	15.65	0.245	4.682	42.72	0.149	bdl	0.0387	0.55	0.2502	2.709	2.083	0.965	2.98	0.358	1.394	0.1854	0.401	0.0596	0.5	0.1018	0.291	HREE-enriched
Trout Lake	20164-185	179.1	30.48	0.0867	1.617	6.962	0.504	bdl	0.0627	0.504	0.1401	0.913	0.243	0.0682	0.174	0.0216	0.159	0.0494	0.26	0.0533	0.564	0.1067	0.083	sinusoidal
Trout Lake	20164-186	13.16	15.96	0.213	1.257	7.102	0.1754	bdl	0.0635	0.803	0.2945	2.414	0.724	0.1982	0.298	0.0264	0.138	0.0378	0.191	0.0456	0.481	0.1001	0.0536	sinusoidal
Trout Lake	20164-187	483.4	21.56	0.0684	4.97	2.91	0.112	bdl	0.016	0.1361	0.0411	0.394	0.171	0.0777	0.321	0.0784	0.693	0.1771	0.672	0.1184	1.026	0.1751	0.0549	HREE-enriched
Trout Lake	20164-188	69.82	22.73	0.801	9.75	18.76	1.232	0.022	0.2219	2.5	0.883	7.71	3.022	0.986	2.204	0.3208	1.731	0.2982	0.792	0.1178	0.933	0.1704	0.162	HREE-enriched
Trout Lake	20164-189	130.8	13.79	0.104	38.08	3.62	0.12	0.0161	0.0379	0.31	0.1048	0.946	0.677	0.347	1.595	0.454	4.19	1.137	4.14	0.719	5.94	0.871	0.0501	HREE-enriched
Trout Lake	20164-192	68.06	22.6	2.77	4.736	21.05	0.905	2.06	0.674	1.688	0.4026	2.981	1.288	0.437	1.415	0.1991	1.051	0.1816	0.449	0.0625	0.516	0.0981	0.255	sinusoidal

Table C.3 Peridotitic olivine LA-ICP-MS secondary standards results

Date	Analysis No.	Li	Na	Al	P	Ca	Sc	Ti	V	Cr	Mn	Co	Ni	Cu	Zn	Ga	Sr	Y	Zr	Nb	Ce
SC-GB																					
10/05/2016	SC-GB - 01	1.77	51.8	81.2	3.17	509	3.467	3.76	3.388	174.7	1100	150.4	3195	1.007	68.33	0.0512	bdl	0.0379	0.0243	0.00173	bdl
10/05/2016	SC-GB - 02	1.77	39.4	83.8	3.25	534	3.536	3.32	3.387	170.4	1141	143.6	3224	1.007	69.60	0.0451	bdl	0.0367	0.0244	0.00210	0.00145
10/05/2016	SC-GB - 03	1.79	35.9	81.9	2.94	536	3.594	3.42	3.512	176.7	1147	138.0	3208	0.996	69.69	0.0369	bdl	0.0415	0.0259	0.00161	bdl
10/05/2016	SC-GB - 04	1.73	nd	78.2	3.11	507	3.523	3.38	3.594	177.3	1026	148.9	3278	1.032	70.84	0.0419	bdl	0.0389	0.0233	bdl	bdl
10/05/2016	SC-GB - 05	1.78	38.7	80.8	3.29	522	3.516	2.89	3.324	173.5	1190	143.1	3189	1.013	68.65	0.0472	bdl	0.0375	0.0215	0.00249	0.00064
10/05/2016	SC-GB - 06	1.77	nd	77.9	3.12	590	3.532	3.36	3.342	175.7	1004	146.4	3268	1.067	71.11	0.0438	bdl	0.0399	bdl	bdl	bdl
10/05/2016	SC-GB - 07	1.73	36.6	81.3	2.94	513	3.001	3.85	3.376	175.7	1178	143.7	3165	1.066	69.45	0.0412	0.0039	0.0420	0.0213	0.00126	0.00041
10/06/2016	SC-GB - 08	1.71	39.8	83.4	2.70	514	3.007	3.15	3.328	171.8	1183	143.3	3169	1.029	69.13	0.0373	bdl	0.0392	bdl	0.00179	bdl
10/06/2016	SC-GB - 09	1.77	nd	81.5	3.31	587	3.049	3.85	3.526	173.3	1191	146.0	3180	1.032	70.54	0.0423	bdl	0.0434	0.0275	bdl	bdl
10/06/2016	SC-GB - 10	1.72	38.0	83.3	2.59	520	3.557	3.50	3.388	168.5	1197	145.4	3208	1.015	69.61	0.0467	0.0035	0.0423	0.0260	0.00159	0.00046
10/28/2016	SC-GB - 01	1.76	48.1	75.8	1.85	505	3.575	3.55	3.513	170.7	1154	149.3	3305	1.060	70.97	0.0480	bdl	0.0314	0.0158	0.00266	0.00073
10/28/2016	SC-GB - 02	1.75	39.3	75.1	1.67	502	3.536	3.00	3.652	177.2	1107	148.3	3307	1.074	68.75	0.0416	bdl	0.0324	0.0163	0.00116	bdl
10/28/2016	SC-GB - 03	1.75	35.4	75.8	1.93	496	3.544	3.53	3.536	171.4	1159	150.5	3306	1.056	68.05	0.0472	0.0057	0.0329	0.0156	0.00231	0.00038
10/28/2016	SC-GB - 04	1.71	37.2	76.4	1.37	513	3.565	3.38	3.603	178.9	1144	145.4	3291	1.090	68.01	0.0449	0.0053	0.0347	0.0160	0.00212	bdl
10/28/2016	SC-GB - 05	1.72	38.8	78.7	1.42	505	3.499	2.91	3.607	176.1	1101	146.0	3299	1.058	69.83	0.0432	bdl	0.0333	0.0206	0.00151	bdl
10/28/2016	SC-GB - 06	1.74	38.3	80.3	1.21	550	3.403	2.96	3.607	176.1	1105	143.3	3260	1.036	68.66	0.0450	bdl	0.0326	0.0166	0.00210	0.00028
10/28/2016	SC-GB - 07	1.72	38.0	80.0	1.18	525	3.575	2.82	3.547	173.6	1118	150.0	3241	1.054	68.70	0.0499	bdl	0.0338	0.0176	0.00169	0.00019
10/28/2016	SC-GB - 08	1.75	48.3	74.7	1.13	523	3.558	4.19	3.605	173.6	1115	150.8	3289	1.008	68.69	0.0498	0.0041	0.0343	0.0214	0.00142	0.00330
10/28/2016	SC-GB - 09	1.79	35.2	75.0	1.38	509	3.597	3.85	3.518	172.9	1104	139.9	3206	1.026	69.33	0.0424	bdl	0.0329	0.0205	0.00203	bdl
10/28/2016	SC-GB - 10	1.71	35.0	76.3	1.15	513	3.558	3.11	3.503	174.5	1115	150.5	3277	1.050	68.45	0.0401	0.0047	0.0365	0.0242	0.00152	0.00091
10/28/2016	SC-GB - 11	1.72	36.9	75.0	1.17	503	3.581	2.94	3.551	177.8	1104	145.1	3271	1.044	69.60	0.0404	bdl	0.0356	0.0227	0.00179	bdl
Descriptive Statistics																					
	max	1.79	51.8	83.8	3.31	590	3.60	4.19	3.65	178.9	1197	150.8	3307	1.090	71.11	0.0512	0.0057	0.0434	0.0275	0.00410	0.00330
	min	1.71	35.0	74.7	1.13	496	3.00	2.82	3.32	168.5	1004	138.0	3165	0.996	68.01	0.0369	0.0035	0.0314	0.0156	0.00116	0.00019
	mean	1.75	39.5	78.9	2.18	523	3.47	3.37	3.50	174.3	1128	146.1	3245	1.039	69.33	0.0441	0.0045	0.0367	0.0211	0.00194	0.00088

	median	1.75	38.2	78.7	1.93	513	3.54	3.38	3.52	174.5	1118	146.0	3260	1.036	69.33	0.0438	0.0044	0.0365	0.0214	0.00176	0.00055
	std dev (1σ)	0.03	4.8	3.1	0.88	25	0.19	0.38	0.11	2.7	50	3.6	49	0.026	0.93	0.0040	0.0009	0.0037	0.0039	0.00068	0.00093
	std dev (2σ)	0.06	9.7	6.2	1.76	51	0.38	0.77	0.21	5.4	100	7.2	98	0.052	1.87	0.0079	0.0017	0.0074	0.0077	0.00135	0.00186
	RSD (1σ)	1.6%	12.3%	3.9%	40.2%	4.9%	5.5%	11.4%	3.0%	1.6%	4.5%	2.5%	1.5%	2.5%	1.3%	9.0%	18.8%	10.1%	18.2%	34.9%	106.0%
	RSD (2σ)	3.2%	24.5%	7.9%	80.3%	9.7%	11.1%	22.8%	6.0%	3.1%	8.9%	4.9%	3.0%	5.0%	2.7%	18.0%	37.6%	20.2%	36.4%	69.8%	212.0%
	range	0.08	16.8	9.1	2.18	94	0.60	1.37	0.33	10.4	193	12.8	142	0.094	3.10	0.0143	0.0022	0.0120	0.0119	0.00294	0.00311
	count	21	18	21	21	21	21	21	21	21	21	21	21	21	21	21	6	21	19	18	10
GeoREM reference values																					
accepted mean value		1.7	49.0	85	2.90	550	3.2	3.9	3.4	166	1065	146	3081	1.04	65	0.05	0.0032	0.036	0.026	0.002	0.0034
std dev (2σ; 95 % CI)		0.1	6.0	8	0.60	44	0.2	2	0.2	8	84	4	240	0.26	4	0.006	0.0024	0.01	0.01	0.0008	0.00018
RSD (1σ)		2.9%	6.1%	4.7%	10.3%	4.0%	3.1%	25.6%	2.9%	2.4%	3.9%	1.4%	3.9%	12.5%	3.1%	6.0%	37.5%	13.9%	19.2%	20.0%	2.6%

Table C.4 Peridotitic olivine LA-ICP-MS results

Locality	Grain No.	Li	Na	Al	P	Ca	Sc	Ti	V	Cr	Mn	Co	Ni	Cu	Zn	Ga	Sr	Y	Zr	Nb	Ce	Facies
Horn Plateau	17966-003	20.16	18	117.6	26.65	511	2.267	17.83	1.938	466	877.4	131.7	3473	2.678	123	0.178	0.0117	0.0275	0.0375	0.00096	0.0069	spl
Horn Plateau	17966-078	1.464	79.8	60.8	29.05	357	1.833	12.02	6.257	478	850	139.3	3023	5.945	62.46	0.0743	bdl	bdl	0.0278	0.0558	0.00037	grt
Horn Plateau	21734-003	1.405	38.54	21.84	18.66	129.3	1.486	10.79	5.518	162.6	748.4	142.7	3209	2.031	63.86	0.0321	bdl	0.00173	0.0694	1.1	0.0046	grt
Horn Plateau	21734-064	1.521	62.56	39.66	25.6	208.7	1.739	48.75	6.113	146.4	819.3	139.4	2644	3.751	71.87	0.0756	bdl	0.00125	0.0309	0.1434	0.0016	grt
Horn Plateau	21734-065	1.175	9.48	6.91	10.01	35.4	1.298	1.7	2.938	57.68	623.2	123.6	2805	0.457	51.01	0.0115	0.0175	bdl	0.054	0.775	0.0194	grt-spl
Horn Plateau	21734-066	1.728	86.4	37.02	20.24	224.5	1.909	186	6.205	241.3	857	132.6	2709	2.343	66.53	0.0905	bdl	0.0012	0.0807	0.1846	bdl	grt
Horn Plateau	21734-067	25.25	29.54	77.27	2.36	297.3	1.907	6.21	4.46	561.4	632.7	130.4	3719	5.795	89.4	0.0906	0.0077	0.0096	0.0506	0.00193	0.00053	spl
Horn Plateau	21734-068	30.01	nd	132	28	398	2.109	21.56	3.036	586	799	127.3	3146	3.92	113.6	0.1994	bdl	0.026	0.0383	bdl	bdl	spl
Horn Plateau	21734-069	28.11	24.79	123.9	23.3	351	2.141	15.44	2.56	604	912	138.6	2672	6.19	146.8	0.2028	0.0053	0.0156	0.0656	0.021	0.00168	spl
Horn Plateau	21736-095	1.571	111.2	53.41	27.06	282.1	2.037	72.6	6.322	310.3	838.4	138.3	2831	5.302	65.52	0.0901	bdl	0.00217	0.0481	0.0677	0.00087	grt
Horn Plateau	21736-099	1.214	nd	2.12	5.08	172.4	5.485	1.26	0.413	15.28	942	124.3	2729	0.061	25.16	0.01	0.0064	0.0071	0.0093	0.00229	0.0109	grt-spl
Horn Plateau	21736-100	1.656	76.49	63.13	22.56	351.7	1.881	32.68	8.128	270.4	844	143.3	2960	6.79	70.66	0.0955	bdl	0.0016	0.0277	0.0434	0.00061	grt
Horn Plateau	21736-108	22.6	19.59	107.3	37.3	393	2.466	28.9	3.23	491	801	131.1	2794	5.26	105.8	0.1545	0.232	0.0279	0.108	0.0599	0.0395	spl
Horn Plateau	21736-110	25.06	43.3	128.6	3.81	497	2.002	2.13	9.06	549	705	131.9	3323	6.29	106.5	0.2082	0.0385	0.0088	0.0153	0.00339	0.0086	grt
Horn Plateau	21736-111	21.6	38.42	154.7	55.7	252.7	1.856	34.18	4.783	525.3	768	140.4	3883	6.568	105.4	0.255	0.0075	0.0159	0.1107	0.00307	0.00119	spl
Horn Plateau	21736-113	37.35	46.4	129.9	50.73	384	2.16	20.98	2.171	827	901	129	3762	4.4	133.2	0.1539	0.0272	0.0251	0.0782	0.00216	0.0091	spl
Horn Plateau	21736-117	31.15	30.8	136.5	9.72	343	2.218	12.09	4.076	583.6	632.6	128.4	3587	11.86	74.53	0.1622	0.0168	0.0156	0.0529	0.0062	0.00272	spl
Horn Plateau	21736-118	35.71	41.65	220.8	62.5	246.3	2.658	42.06	6.299	612.7	911	151.6	3235	4.62	133.8	0.325	0.0076	0.0234	0.1332	0.00365	0.00248	spl
Horn Plateau	21736-121	21.02	82	162.5	20.33	605	2.285	11.52	6.364	629	720.5	141.3	3310	5.98	76.05	0.1482	0.004	0.00351	0.0244	0.00138	0.001	spl
Horn Plateau	21736-124	1.596	97.6	58.13	16.36	218.8	1.689	10.34	6.418	352.3	719.9	126.8	2744	3.868	61	0.0871	0.0055	0.00219	0.0187	0.1221	0.00249	grt
Horn Plateau	21736-125	4.75	nd	19.6	10.96	94.8	5.966	2.95	1.04	208	1198	143.5	3067	nd	67.5	0.0401	bdl	0.0454	0.0141	0.00099	0.0018	spl
Horn Plateau	21736-127	1.069	77.1	48.52	20.88	253.8	1.718	62.05	7.368	235.2	737.7	131.4	2731	3.44	61.43	0.1035	0.0041	0.00279	0.0461	0.0867	bdl	grt
Horn Plateau	21736-128	5.005	137.1	339	49.73	1839	5.433	53.59	13.83	1084	1420	191.1	3681	4.8	135.2	0.404	0.0137	0.1098	0.09	0.00161	bdl	grt(meta)
Horn Plateau	21736-131	1.465	nd	1.092	8.99	41.9	2.104	12.23	0.505	5.83	879	137.8	2956	0.0467	32.56	0.0045	bdl	bdl	0.0062	0.00098	0.00075	grt-spl
Horn Plateau	21736-132	1.148	6.62	214.3	24.91	1261	7.26	44.36	3.963	318	796.4	144	3514	0.239	35.81	0.1209	bdl	0.099	0.0299	0.00058	0.0016	spl
Horn Plateau	21736-134	1.953	38.8	4.3	31.85	125.9	1.684	53.75	2.164	65.3	972	135.2	2633	0.221	61	0.0087	0.0058	0.0032	0.18	1.74	0.02	grt-spl
Horn Plateau	21739-011	1.865	71.16	11.59	45.72	158.4	2.325	167.8	4.49	154.3	1001	130.3	2460	1.528	73.72	0.0321	bdl	0.00212	0.104	0.609	0.00063	grt
Horn Plateau	21739-092	10.77	31.4	134.2	44.6	344.2	2.024	26.89	2.756	673	697.1	129.4	3795	5.482	102.7	0.1627	0.0111	0.0228	0.0929	0.00197	0.00175	spl
Horn Plateau	21739-094	1.816	75.6	28.94	62.1	208.4	2.381	118.4	4.786	178.9	918	127.5	2557	1.533	64.51	0.0417	bdl	0.00106	0.1277	0.4519	0.00052	grt
Horn Plateau	21739-095	1.515	117.1	47.09	25	212	1.818	107.7	6.704	262	709	124.4	2629	2.988	63.84	0.1063	0.0169	0.00308	0.184	0.1136	0.0074	grt
Horn Plateau	21739-096	1.62	58.3	43.78	21.69	287	1.84	50.71	6.204	163.6	916	146.7	2357	3.628	79.7	0.0839	0.0055	bdl	0.0395	0.1314	0.011	grt
Horn Plateau	21739-097	1.637	67.2	35.68	27.69	206.9	1.691	58.7	5.565	194.8	826	137.2	2659	3.239	71.37	0.0751	bdl	0.00121	0.0432	0.1647	0.00069	grt
Horn Plateau	21741-033	1.422	66.3	49.2	7.56	274	1.32	12.2	5.783	222.3	746.6	131.2	2734	3.75	64.09	0.0829	0.0119	bdl	0.0069	0.0626	0.0009	grt
Horn Plateau	21741-034	13.94	18.5	97.8	36.74	302	2.542	28.41	3.121	368.2	1097	136.8	2884	11.6	139.6	0.1408	0.0058	0.0319	0.0348	0.00226	0.0015	spl
Horn Plateau	21741-035	3.624	27.3	435.2	41.6	2222	6.6	33.1	11.02	866.6	1130	154.6	3107	5.317	89.62	0.226	bdl	0.1219	0.0324	bdl	bdl	grt(meta)
Horn Plateau	21745-089	1.177	7.1	7.66	7.15	51.8	0.956	3.99	2.474	68.6	714	132.6	2931	0.176	54.37	0.0132	bdl	bdl	0.0289	0.2316	0.00113	grt-spl
Horn Plateau	21745-091	1.283	59.2	21.71	37.08	122.5	1.161	9.04	5.3	192.2	723	135.3	2984	1.931	60.38	0.0264	bdl	bdl	0.0332	1.21	bdl	grt
Horn Plateau	21747-080	1.633	102.4	42.99	13.8	209.4	1.687	36.54	6.615	248.2	791	141.5	2944	5.083	65.55	0.0845	0.0071	0.00286	0.0411	0.1188	0.0069	grt
Trout Lake	20162-138	2.464	219.9	108	37.01	372	2.255	157.7	11	260.3	903	149.2	2975	12.03	85.6	0.253	bdl	0.0071	0.1011	0.0476	0.00105	grt
Trout Lake	20162-140	1.922	82.7	36.46	19.66	233	1.899	16.73	7.67	285.5	894	150.6	3201	4.65	67	0.066	bdl	0.00161	0.012	0.0775	0.00144	grt
Trout Lake	20162-142	2.388	145.9	174	33.5	269	2.145	138.8	9.91	216.6	924	151.6	3087	8.18	75.8	0.24	0.205	0.0416	0.247	0.0842	0.2	grt
Trout Lake	20162-143	1.658	36.7	62	7.92	176	1.688	13.5	5.474	170.3	826	144	2994	4.285	62.6	0.0819	0.044	0.0067	0.0413	0.1789	0.0312	grt

Trout Lake	20162-146	1.808	85.9	80	25.43	244	2.058	58.35	7.13	283.3	876	143.5	2972	3.75	65.7	0.0895	0.081	0.0261	0.163	0.2139	0.065	grt
Trout Lake	20162-147	1.952	141.2	81	28.67	387	2.187	112.7	9.45	191.4	857	154.5	3095	9.71	86.4	0.211	0.0054	0.00443	0.0768	0.0505	0.00142	grt
Trout Lake	20162-148	1.837	121.4	92.3	21.21	302	2.067	115.1	8.67	200.9	858	146.7	2854	7.56	75	0.1643	0.0216	0.0102	0.1058	0.0752	0.0301	grt
Trout Lake	20162-150	1.687	84.1	41.27	3.7	255	1.857	60.99	6.157	263.6	845	140	2951	3.927	64.82	0.0716	0.0045	0.00178	0.0594	0.1596	0.00109	grt
Trout Lake	20162-152	2.372	167.3	196	8.7	327	2.236	140.9	9.64	317.8	898	145.1	3059	8.95	81.7	0.229	0.105	0.0295	0.208	0.0754	0.095	grt
Trout Lake	20162-155	1.493	134.4	59.1	4.69	316	2.131	113.7	5.388	543.9	795.1	133.1	2907	3.885	56.22	0.078	0.261	0.0196	0.367	0.185	0.076	grt
Trout Lake	20162-158	1.567	91.1	99.5	18.31	364	2.06	108.4	8.189	311.3	825.7	140.5	2853	5.563	67.8	0.1334	0.0052	0.00266	0.0692	0.0653	0.00071	grt
Trout Lake	20162-163	2.312	188.6	121.1	33.3	411	2.116	99.7	9.56	161.7	844	149.6	2928	7.98	84.7	0.253	0.0043	0.0091	0.0591	0.036	bdl	grt
Trout Lake	20162-165	2.777	120.7	86.89	41.01	430	2.193	222.6	8.1	224.5	935	148.7	3082	6.25	92.8	0.225	bdl	0.0113	0.277	0.0551	bdl	grt
Trout Lake	20162-166	1.891	153.5	45.7	13.78	235	2.005	122.5	7.96	489.4	874	146.6	3158	6.23	64.63	0.1075	bdl	0.0037	0.191	0.1074	bdl	grt
Trout Lake	20162-171	1.974	147.2	84.41	27.08	352	1.91	125.3	9.09	191.9	836	150.3	3042	8.11	78.4	0.19	bdl	0.0053	0.087	0.0551	0.00074	grt

Table D.1 FITPLOT parameters used for clinopyroxene-based geotherms. Crustal parameters were determined from Lithoprobe SNORCLE line 1 seismic studies for the CMV geotherms (Cook et al., 1999; Fernandez-Viejo et al., 2005). The reference Lac de Gras (LDG, Central Slave Craton) geotherm in Figure 2.12 uses the following listed Slave Craton crustal parameters obtained from Mather (2011). Note, FITPLOT geotherms fit filtered peridotitic clinopyroxene xenocrysts and produce very similar lithosphere thicknesses, within error, regardless of variations to crustal thickness or lower crust heat generation.

Parameters	**CMV**	**LDG**
Lower crust (km)	15	22
Upper crust (km)	20	23
Upper crust heat production (W/m^3)	1.20E-06	1.20E-06
Lower crust heat production (W/m^3)	4.00E-07	4.00E-07
Mantle heat production (W/m^3)	0	0
Estimated diamond window (km)	110-210 ±10	120-220 ±10

Table D.2 Horn Plateau grains thermobarometry results

Grain No.	Facies	T (°C)	± 1σ (°C)	P (GPa)	± 1σ (GPa)	Depth (km)	Exchange	T-Ni(°C) [Griffin]	T-Ni(°C) [Canil]
21741-025	grt-peridotite	744	30	3.449	0.230	107.8	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-010	grt-peridotite	774	30	3.784	0.230	118.2	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-030	grt-peridotite	786	30	3.967	0.230	124.0	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-012	grt-peridotite	791	30	3.823	0.230	119.5	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21736-072	grt-peridotite	829	30	3.965	0.230	123.9	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-010	grt-peridotite	840	30	3.883	0.230	121.3	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21736-094	grt-peridotite	873	30	4.295	0.230	134.2	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
17967-146	grt-peridotite	900	30	4.038	0.230	126.2	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21745-085	grt-peridotite	901	30	4.306	0.230	134.6	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
17966-175	grt-peridotite	903	30	4.022	0.230	125.7	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-023	grt-peridotite	907	30	4.311	0.230	134.7	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21739-089	grt-peridotite	914	30	4.080	0.230	127.5	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-033	grt-peridotite	926	30	4.140	0.230	129.4	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-02	grt-peridotite	934	30	4.141	0.230	129.4	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-040	grt-peridotite	935	30	4.214	0.230	131.7	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-029	grt-peridotite	944	30	4.294	0.230	134.2	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21736-056	grt-peridotite	951	30	4.535	0.230	141.7	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
17966-060	grt-peridotite	954	30	4.097	0.230	128.0	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-028	grt-peridotite	954	30	4.470	0.230	139.7	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-014	grt-peridotite	962	30	4.089	0.230	127.8	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-011	grt-peridotite	969	30	4.699	0.230	146.8	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-007	grt-peridotite	971	30	4.486	0.230	140.2	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-018	grt-peridotite	979	30	4.580	0.230	143.1	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-026	grt-peridotite	982	30	4.592	0.230	143.5	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
17967-147	grt-peridotite	985	30	4.458	0.230	139.3	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
17963-004	grt-peridotite	986	30	4.508	0.230	140.9	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-026	grt-peridotite	987	30	4.098	0.230	128.1	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-037	grt-peridotite	991	30	4.339	0.230	135.6	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21736-069	grt-peridotite	1004	30	4.143	0.230	129.5	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-016	grt-peridotite	1014	30	4.616	0.230	144.3	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21739-090	grt-peridotite	1014	30	4.462	0.230	139.4	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-027	grt-peridotite	1017	30	4.692	0.230	146.6	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21745-083	grt-peridotite	1019	30	4.514	0.230	141.1	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21734-063	grt-peridotite	1019	30	4.555	0.230	142.3	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-019	grt-peridotite	1020	30	4.704	0.230	147.0	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21736-059	grt-peridotite	1027	30	4.897	0.230	153.0	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21736-083	grt-peridotite	1038	30	4.760	0.230	148.7	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-019	grt-peridotite	1062	30	4.680	0.230	146.2	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-021	grt-peridotite	1071	30	4.927	0.230	154.0	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a

21747-039	grt-peridotite	1073	30	5.025	0.230	157.0	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
17966-084	grt-peridotite	1081	30	4.999	0.230	156.2	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21736-060	grt-peridotite	1089	30	5.288	0.230	165.2	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-014	grt-peridotite	1107	30	5.033	0.230	157.3	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-024	grt-peridotite	1111	30	5.080	0.230	158.8	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
17965-028	grt-peridotite	1113	30	5.150	0.230	160.9	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21736-064	grt-peridotite	1120	30	5.035	0.230	157.3	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-012	grt-peridotite	1121	30	4.737	0.230	148.0	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-013	grt-peridotite	1134	30	5.049	0.230	157.8	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21741-022	grt-peridotite	1136	30	5.131	0.230	160.3	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21736-071	grt-peridotite	1143	30	5.387	0.230	168.3	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21736-081	grt-peridotite	1152	30	5.388	0.230	168.4	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21736-070	grt-peridotite	1199	30	5.539	0.230	173.1	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-017	grt-peridotite	1222	30	5.491	0.230	171.6	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
21747-027	grt-peridotite	1253	30	5.542	0.230	173.2	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
17966-078	grt-peridotite	1188	20	5.456	0.083	170.5	Al-in-olivine thermometer	n/a	n/a
21734-003	grt-peridotite	954	20	4.291	0.083	134.1	Al-in-olivine thermometer	n/a	n/a
21734-064	grt-peridotite	1088	20	4.960	0.083	155.0	Al-in-olivine thermometer	n/a	n/a
21734-066	grt-peridotite	1072	20	4.883	0.083	152.6	Al-in-olivine thermometer	n/a	n/a
21736-095	grt-peridotite	1154	20	5.293	0.083	165.4	Al-in-olivine thermometer	n/a	n/a
21736-100	grt-peridotite	1192	20	5.478	0.083	171.2	Al-in-olivine thermometer	n/a	n/a
21736-110	grt-peridotite	1116	20	5.104	0.083	159.5	Al-in-olivine thermometer	n/a	n/a
21736-124	grt-peridotite	1174	20	5.386	0.083	168.3	Al-in-olivine thermometer	n/a	n/a
21736-127	grt-peridotite	1133	20	5.187	0.083	162.1	Al-in-olivine thermometer	n/a	n/a
21739-011	grt-peridotite	816	20	3.578	0.083	111.8	Al-in-olivine thermometer	n/a	n/a
21739-094	grt-peridotite	1017	20	4.608	0.083	144.0	Al-in-olivine thermometer	n/a	n/a
21739-095	grt-peridotite	1126	20	5.152	0.083	161.0	Al-in-olivine thermometer	n/a	n/a
21739-096	grt-peridotite	1110	20	5.072	0.083	158.5	Al-in-olivine thermometer	n/a	n/a
21739-097	grt-peridotite	1064	20	4.842	0.083	151.3	Al-in-olivine thermometer	n/a	n/a
21741-033	grt-peridotite	1120	20	5.120	0.083	160.0	Al-in-olivine thermometer	n/a	n/a
21745-091	grt-peridotite	949	20	4.266	0.083	133.3	Al-in-olivine thermometer	n/a	n/a
21747-080	grt-peridotite	1106	20	5.050	0.083	157.8	Al-in-olivine thermometer	n/a	n/a
17962-007	G9	1137	50	5.219	0.211	163.1	Ni-in-garnet thermometer	1174	1100
17962-038	G9	1033	50	4.695	0.211	146.7	Ni-in-garnet thermometer	1042	1024
17962-040	G9	1191	50	5.488	0.211	171.5	Ni-in-garnet thermometer	1244	1138
17962-060	G9	1188	50	5.472	0.211	171.0	Ni-in-garnet thermometer	1240	1136
17963-001	G9	1098	50	5.024	0.211	157.0	Ni-in-garnet thermometer	1125	1072
17963-009	G10	870	50	3.856	0.211	120.5	Ni-in-garnet thermometer	842	898
17963-010	G9	1071	50	4.886	0.211	152.7	Ni-in-garnet thermometer	1090	1052
17963-011	G9	1061	50	4.833	0.211	151.0	Ni-in-garnet thermometer	1076	1045
17963-013	G9	1160	50	5.333	0.211	166.7	Ni-in-garnet thermometer	1204	1116
17963-028	G9	1150	50	5.282	0.211	165.1	Ni-in-garnet thermometer	1191	1109
17963-030	G11	1151	50	5.287	0.211	165.2	Ni-in-garnet thermometer	1192	1110

17963-036	G9	1096	50	5.011	0.211	156.6	Ni-in-garnet thermometer	1121	1070
17963-040	G9	1165	50	5.359	0.211	167.5	Ni-in-garnet thermometer	1210	1120
17963-046	G11	1259	50	5.824	0.211	182.0	Ni-in-garnet thermometer	1333	1184
17963-047	G10D	1045	50	4.755	0.211	148.6	Ni-in-garnet thermometer	1057	1033
17963-061	G12	958	50	4.310	0.211	134.7	Ni-in-garnet thermometer	948	967
17964-030	G11	1141	50	5.237	0.211	163.7	Ni-in-garnet thermometer	1179	1103
17964-031	G9	1177	50	5.417	0.211	169.3	Ni-in-garnet thermometer	1225	1128
17964-038	G11	1106	50	5.064	0.211	158.3	Ni-in-garnet thermometer	1135	1078
17964-040	G11	889	50	3.958	0.211	123.7	Ni-in-garnet thermometer	866	913
17964-042	G9	1093	50	4.994	0.211	156.1	Ni-in-garnet thermometer	1117	1068
17964-043	G9	1074	50	4.900	0.211	153.1	Ni-in-garnet thermometer	1093	1054
17964-044	G11	1077	50	4.917	0.211	153.6	Ni-in-garnet thermometer	1097	1057
17964-045	G9	1151	50	5.288	0.211	165.3	Ni-in-garnet thermometer	1192	1110
17964-047	G9	1068	50	4.870	0.211	152.2	Ni-in-garnet thermometer	1086	1050
17964-048	G11	1173	50	5.397	0.211	168.7	Ni-in-garnet thermometer	1220	1125
17964-050	G11	1117	50	5.119	0.211	160.0	Ni-in-garnet thermometer	1149	1086
17964-051	G11	841	50	3.707	0.211	115.8	Ni-in-garnet thermometer	808	874
17964-052	G11	1091	50	4.986	0.211	155.8	Ni-in-garnet thermometer	1115	1067
17964-053	G9	1092	50	4.989	0.211	155.9	Ni-in-garnet thermometer	1116	1067
17964-054	G12	845	50	3.725	0.211	116.4	Ni-in-garnet thermometer	812	877
17964-056	G11	961	50	4.326	0.211	135.2	Ni-in-garnet thermometer	952	969
17964-057	G11	1159	50	5.330	0.211	166.5	Ni-in-garnet thermometer	1203	1116
17964-063	G11	758	50	3.264	0.211	102.0	Ni-in-garnet thermometer	711	805
17964-064	G9	1250	50	5.782	0.211	180.7	Ni-in-garnet thermometer	1322	1178
17964-065	G9	1211	50	5.586	0.211	174.6	Ni-in-garnet thermometer	1270	1152
17964-068	G9	1142	50	5.240	0.211	163.8	Ni-in-garnet thermometer	1180	1103
17964-069	G11	1177	50	5.417	0.211	169.3	Ni-in-garnet thermometer	1225	1128
17964-070	G9	1056	50	4.811	0.211	150.3	Ni-in-garnet thermometer	1071	1042
17964-084	G12	966	50	4.352	0.211	136.0	Ni-in-garnet thermometer	959	974
17964-085	G9	869	50	3.850	0.211	120.3	Ni-in-garnet thermometer	841	897
17964-104	G11	1115	50	5.107	0.211	159.6	Ni-in-garnet thermometer	1145	1084
17964-106	G9	1190	50	5.481	0.211	171.3	Ni-in-garnet thermometer	1242	1137
17964-108	G9	1293	50	5.997	0.211	187.4	Ni-in-garnet thermometer	1379	1207
17964-109	G11	1146	50	5.265	0.211	164.5	Ni-in-garnet thermometer	1186	1107
17964-110	G9	1144	50	5.251	0.211	164.1	Ni-in-garnet thermometer	1183	1105
17964-111	G11	1189	50	5.479	0.211	171.2	Ni-in-garnet thermometer	1242	1137
17964-112	G9	1167	50	5.366	0.211	167.7	Ni-in-garnet thermometer	1212	1121
17964-113	G11	1146	50	5.262	0.211	164.4	Ni-in-garnet thermometer	1185	1106
17964-121	G9	1106	50	5.064	0.211	158.2	Ni-in-garnet thermometer	1135	1078
17964-124	G9	1259	50	5.827	0.211	182.1	Ni-in-garnet thermometer	1334	1185
17964-125	G9	1119	50	5.126	0.211	160.2	Ni-in-garnet thermometer	1150	1087
17964-126	G11	1061	50	4.835	0.211	151.1	Ni-in-garnet thermometer	1077	1045
17964-128	G11	1083	50	4.945	0.211	154.5	Ni-in-garnet thermometer	1104	1061

17964-129	G11	1034	50	4.701	0.211	146.9	Ni-in-garnet thermometer	1044	1025
17964-132	G11	1112	50	5.092	0.211	159.1	Ni-in-garnet thermometer	1142	1082
17964-134	G11	955	50	4.298	0.211	134.3	Ni-in-garnet thermometer	946	965
17964-135	G9	989	50	4.470	0.211	139.7	Ni-in-garnet thermometer	987	991
17964-136	G11	1322	50	6.138	0.211	191.8	Ni-in-garnet thermometer	1417	1226
17964-137	G9	1162	50	5.341	0.211	166.9	Ni-in-garnet thermometer	1206	1117
17964-138	G11	1153	50	5.299	0.211	165.6	Ni-in-garnet thermometer	1195	1112
17964-139	G11	829	50	3.645	0.211	113.9	Ni-in-garnet thermometer	794	865
17964-146	G9	1202	50	5.544	0.211	173.2	Ni-in-garnet thermometer	1259	1146
17965-031	G10	1064	50	4.851	0.211	151.6	Ni-in-garnet thermometer	1081	1048
17965-036	G9	1130	50	5.181	0.211	161.9	Ni-in-garnet thermometer	1164	1095
17965-037	G11	992	50	4.486	0.211	140.2	Ni-in-garnet thermometer	991	994
17965-038	G9	1042	50	4.737	0.211	148.0	Ni-in-garnet thermometer	1053	1031
17965-041	G9	1042	50	4.738	0.211	148.1	Ni-in-garnet thermometer	1053	1031
17965-042	G9	823	50	3.609	0.211	112.8	Ni-in-garnet thermometer	786	859
17965-045	G9	1188	50	5.472	0.211	171.0	Ni-in-garnet thermometer	1240	1136
17965-047	G9	1150	50	5.283	0.211	165.1	Ni-in-garnet thermometer	1191	1109
17965-049	G9	904	50	4.032	0.211	126.0	Ni-in-garnet thermometer	883	925
17965-050	G10	902	50	4.022	0.211	125.7	Ni-in-garnet thermometer	881	923
17965-051	G12	1292	50	5.990	0.211	187.2	Ni-in-garnet thermometer	1377	1206
17965-055	G11	1113	50	5.099	0.211	159.4	Ni-in-garnet thermometer	1144	1083
17965-057	G9	911	50	4.067	0.211	127.1	Ni-in-garnet thermometer	891	930
17965-062	G9	984	50	4.445	0.211	138.9	Ni-in-garnet thermometer	981	987
17965-063	G11	791	50	3.440	0.211	107.5	Ni-in-garnet thermometer	749	833
17965-064	G9	1200	50	5.531	0.211	172.8	Ni-in-garnet thermometer	1255	1144
17965-068	G9	1251	50	5.789	0.211	180.9	Ni-in-garnet thermometer	1323	1179
17965-069	G9	1016	50	4.607	0.211	144.0	Ni-in-garnet thermometer	1020	1011
17965-071	G9	1152	50	5.294	0.211	165.5	Ni-in-garnet thermometer	1194	1111
17965-073	G9	1134	50	5.204	0.211	162.6	Ni-in-garnet thermometer	1170	1098
17965-081	G9	1219	50	5.626	0.211	175.8	Ni-in-garnet thermometer	1280	1157
17965-082	G10D	967	50	4.358	0.211	136.2	Ni-in-garnet thermometer	960	974
17965-083	G10	1163	50	5.350	0.211	167.2	Ni-in-garnet thermometer	1208	1119
17965-084	G9	965	50	4.346	0.211	135.8	Ni-in-garnet thermometer	957	972
17965-085	G9	961	50	4.325	0.211	135.2	Ni-in-garnet thermometer	952	969
17965-090	G11	988	50	4.464	0.211	139.5	Ni-in-garnet thermometer	986	990
17965-091	G9	1099	50	5.027	0.211	157.1	Ni-in-garnet thermometer	1125	1073
17966-007	G9	1137	50	5.218	0.211	163.1	Ni-in-garnet thermometer	1174	1100
17966-008	G10D	1178	50	5.421	0.211	169.4	Ni-in-garnet thermometer	1226	1129
17966-010	G11	955	50	4.297	0.211	134.3	Ni-in-garnet thermometer	945	965
17966-011	G9	1137	50	5.216	0.211	163.0	Ni-in-garnet thermometer	1174	1100
17966-012	G10	813	50	3.558	0.211	111.2	Ni-in-garnet thermometer	775	851
17966-013	G9	1150	50	5.285	0.211	165.2	Ni-in-garnet thermometer	1191	1110
17966-014	G11	823	50	3.613	0.211	112.9	Ni-in-garnet thermometer	787	860

17966-015	G9	1000	50	4.528	0.211	141.5	Ni-in-garnet thermometer	1001	1000
17966-016	G9	1124	50	5.151	0.211	161.0	Ni-in-garnet thermometer	1157	1091
17966-019	G11	1147	50	5.270	0.211	164.7	Ni-in-garnet thermometer	1187	1107
17966-023	G9	1182	50	5.445	0.211	170.2	Ni-in-garnet thermometer	1233	1132
17966-025	G9	1091	50	4.989	0.211	155.9	Ni-in-garnet thermometer	1116	1067
17966-027	G9	1141	50	5.238	0.211	163.7	Ni-in-garnet thermometer	1179	1103
17966-039	G9	1185	50	5.457	0.211	170.5	Ni-in-garnet thermometer	1236	1134
17966-040	G10D	971	50	4.378	0.211	136.8	Ni-in-garnet thermometer	965	977
17966-042	G9	873	50	3.873	0.211	121.0	Ni-in-garnet thermometer	846	900
17966-043	G9	1139	50	5.230	0.211	163.4	Ni-in-garnet thermometer	1177	1102
17966-044	G9	1040	50	4.728	0.211	147.7	Ni-in-garnet thermometer	1050	1029
17966-051	G9	1035	50	4.703	0.211	147.0	Ni-in-garnet thermometer	1044	1026
17966-052	G9	1036	50	4.708	0.211	147.1	Ni-in-garnet thermometer	1045	1026
17966-054	G9	1074	50	4.901	0.211	153.2	Ni-in-garnet thermometer	1093	1055
17966-056	G9	840	50	3.699	0.211	115.6	Ni-in-garnet thermometer	807	873
17966-058	G11	1044	50	4.747	0.211	148.3	Ni-in-garnet thermometer	1055	1032
17966-092	G9	1213	50	5.599	0.211	175.0	Ni-in-garnet thermometer	1273	1153
17966-093	G11	1243	50	5.746	0.211	179.6	Ni-in-garnet thermometer	1312	1174
17966-094	G9	1036	50	4.707	0.211	147.1	Ni-in-garnet thermometer	1045	1026
17966-096	G11	1043	50	4.746	0.211	148.3	Ni-in-garnet thermometer	1055	1032
17966-097	G9	1120	50	5.132	0.211	160.4	Ni-in-garnet thermometer	1152	1088
17966-101	G11	1086	50	4.963	0.211	155.1	Ni-in-garnet thermometer	1109	1064
17966-105	G9	905	50	4.039	0.211	126.2	Ni-in-garnet thermometer	885	926
17966-106	G9	1135	50	5.210	0.211	162.8	Ni-in-garnet thermometer	1172	1099
17966-108	G9	1164	50	5.353	0.211	167.3	Ni-in-garnet thermometer	1209	1119
17966-111	G9	1149	50	5.277	0.211	164.9	Ni-in-garnet thermometer	1189	1108
17966-113	G9	1074	50	4.903	0.211	153.2	Ni-in-garnet thermometer	1094	1055
17966-120	G9	853	50	3.769	0.211	117.8	Ni-in-garnet thermometer	822	884
17966-121	G9	865	50	3.833	0.211	119.8	Ni-in-garnet thermometer	837	894
17966-123	G9	1128	50	5.171	0.211	161.6	Ni-in-garnet thermometer	1162	1093
17966-124	G9	1166	50	5.363	0.211	167.6	Ni-in-garnet thermometer	1211	1121
17966-126	G11	1111	50	5.087	0.211	159.0	Ni-in-garnet thermometer	1141	1082
17966-129	G11	1132	50	5.192	0.211	162.3	Ni-in-garnet thermometer	1167	1096
17966-130	G9	1087	50	4.966	0.211	155.2	Ni-in-garnet thermometer	1110	1064
17966-153	G10D	999	50	4.522	0.211	141.3	Ni-in-garnet thermometer	1000	999
17966-154	G9	1085	50	4.955	0.211	154.9	Ni-in-garnet thermometer	1107	1063
17966-165	G10	1064	50	4.851	0.211	151.6	Ni-in-garnet thermometer	1081	1047
17966-169	G9	1111	50	5.088	0.211	159.0	Ni-in-garnet thermometer	1141	1082
17966-172	G10D	916	50	4.093	0.211	127.9	Ni-in-garnet thermometer	897	934
17966-179	G9	886	50	3.941	0.211	123.2	Ni-in-garnet thermometer	862	911
17966-181	G9	1114	50	5.101	0.211	159.4	Ni-in-garnet thermometer	1144	1083
17966-182	G9	1211	50	5.588	0.211	174.6	Ni-in-garnet thermometer	1270	1152
17966-183	G9	973	50	4.387	0.211	137.1	Ni-in-garnet thermometer	967	979

17967-001	G9	1066	50	4.861	0.211	151.9	Ni-in-garnet thermometer	1083	1049
17967-006	G10	1010	50	4.576	0.211	143.0	Ni-in-garnet thermometer	1013	1007
17967-007	G9	951	50	4.277	0.211	133.7	Ni-in-garnet thermometer	941	962
17967-008	G11	1111	50	5.088	0.211	159.0	Ni-in-garnet thermometer	1141	1082
17967-009	G9	1132	50	5.192	0.211	162.2	Ni-in-garnet thermometer	1167	1096
17967-011	G9	832	50	3.657	0.211	114.3	Ni-in-garnet thermometer	797	867
17967-015	G9	1166	50	5.364	0.211	167.6	Ni-in-garnet thermometer	1212	1121
17967-016	G9	1064	50	4.851	0.211	151.6	Ni-in-garnet thermometer	1081	1047
17967-024	G11	775	50	3.357	0.211	104.9	Ni-in-garnet thermometer	731	819
17967-025	G9	1236	50	5.712	0.211	178.5	Ni-in-garnet thermometer	1303	1169
17967-029	G9	995	50	4.500	0.211	140.6	Ni-in-garnet thermometer	994	996
17967-031	G9	991	50	4.477	0.211	139.9	Ni-in-garnet thermometer	989	992
17967-032	G10	1085	50	4.957	0.211	154.9	Ni-in-garnet thermometer	1108	1063
17967-036	G9	834	50	3.666	0.211	114.6	Ni-in-garnet thermometer	799	868
17967-038	G9	1001	50	4.530	0.211	141.6	Ni-in-garnet thermometer	1002	1000
17967-039	G9	1230	50	5.683	0.211	177.6	Ni-in-garnet thermometer	1295	1165
17967-040	G11	1082	50	4.942	0.211	154.4	Ni-in-garnet thermometer	1104	1060
17967-041	G11	931	50	4.170	0.211	130.3	Ni-in-garnet thermometer	915	946
17967-052	G9	1139	50	5.229	0.211	163.4	Ni-in-garnet thermometer	1177	1102
17967-053	G9	1141	50	5.239	0.211	163.7	Ni-in-garnet thermometer	1179	1103
17967-054	G9	1123	50	5.149	0.211	160.9	Ni-in-garnet thermometer	1156	1090
17967-055	G11	1002	50	4.537	0.211	141.8	Ni-in-garnet thermometer	1003	1001
17967-060	G10	912	50	4.074	0.211	127.3	Ni-in-garnet thermometer	893	931
17967-061	G12	1188	50	5.475	0.211	171.1	Ni-in-garnet thermometer	1240	1136
17967-062	G9	915	50	4.090	0.211	127.8	Ni-in-garnet thermometer	896	934
17967-063	G10	936	50	4.198	0.211	131.2	Ni-in-garnet thermometer	922	950
17967-064	G10	769	50	3.325	0.211	103.9	Ni-in-garnet thermometer	724	814
17967-067	G11	1109	50	5.077	0.211	158.6	Ni-in-garnet thermometer	1138	1080
17967-068	G9	1161	50	5.336	0.211	166.8	Ni-in-garnet thermometer	1204	1117
17967-069	G9	1027	50	4.665	0.211	145.8	Ni-in-garnet thermometer	1035	1020
17967-076	G9	1047	50	4.766	0.211	148.9	Ni-in-garnet thermometer	1060	1035
17967-077	G9	1009	50	4.572	0.211	142.9	Ni-in-garnet thermometer	1012	1006
17967-078	G9	965	50	4.349	0.211	135.9	Ni-in-garnet thermometer	958	973
17967-080	G11	1144	50	5.251	0.211	164.1	Ni-in-garnet thermometer	1182	1105
17967-081	G12	841	50	3.702	0.211	115.7	Ni-in-garnet thermometer	808	874
17967-082	G9	923	50	4.131	0.211	129.1	Ni-in-garnet thermometer	906	940
17967-085	G10	897	50	3.994	0.211	124.8	Ni-in-garnet thermometer	874	919
17967-086	G10	948	50	4.259	0.211	133.1	Ni-in-garnet thermometer	937	959
17967-087	G11	1240	50	5.734	0.211	179.2	Ni-in-garnet thermometer	1309	1172
17967-088	G12	843	50	3.715	0.211	116.1	Ni-in-garnet thermometer	810	876
17967-089	G11	951	50	4.272	0.211	133.5	Ni-in-garnet thermometer	940	961
17967-090	G9	1182	50	5.444	0.211	170.1	Ni-in-garnet thermometer	1233	1132
17967-091	G12	862	50	3.818	0.211	119.3	Ni-in-garnet thermometer	833	892

17967-092	G9	1090	50	4.983	0.211	155.7	Ni-in-garnet thermometer	1114	1066
17967-094	G9	1144	50	5.252	0.211	164.1	Ni-in-garnet thermometer	1183	1105
17967-095	G9	1099	50	5.026	0.211	157.1	Ni-in-garnet thermometer	1125	1073
17967-096	G11	1149	50	5.278	0.211	164.9	Ni-in-garnet thermometer	1189	1109
17967-125	G9	1110	50	5.082	0.211	158.8	Ni-in-garnet thermometer	1139	1081
17967-129	G9	1096	50	5.010	0.211	156.6	Ni-in-garnet thermometer	1121	1070
17967-130	G9	1116	50	5.112	0.211	159.7	Ni-in-garnet thermometer	1147	1085
17967-134	G9	1057	50	4.817	0.211	150.5	Ni-in-garnet thermometer	1072	1042
17967-135	G9	1129	50	5.176	0.211	161.7	Ni-in-garnet thermometer	1163	1094
17967-137	G11	1137	50	5.219	0.211	163.1	Ni-in-garnet thermometer	1174	1100
17967-139	G9	1033	50	4.691	0.211	146.6	Ni-in-garnet thermometer	1041	1024
17967-140	G9	1118	50	5.124	0.211	160.1	Ni-in-garnet thermometer	1150	1087
17967-141	G11	927	50	4.153	0.211	129.8	Ni-in-garnet thermometer	911	943
17967-142	G9	959	50	4.315	0.211	134.8	Ni-in-garnet thermometer	950	968
17967-143	G9	1020	50	4.629	0.211	144.7	Ni-in-garnet thermometer	1026	1015
17967-144	G11	1225	50	5.657	0.211	176.8	Ni-in-garnet thermometer	1288	1161
17967-158	G9	1173	50	5.396	0.211	168.6	Ni-in-garnet thermometer	1220	1125
17967-159	G9	1066	50	4.862	0.211	151.9	Ni-in-garnet thermometer	1084	1049
17967-160	G11	1098	50	5.022	0.211	157.0	Ni-in-garnet thermometer	1124	1072
17967-161	G11	1459	50	6.803	0.211	212.6	Ni-in-garnet thermometer	1606	1312
17967-162	G9	981	50	4.431	0.211	138.5	Ni-in-garnet thermometer	978	985
17967-163	G9	849	50	3.750	0.211	117.2	Ni-in-garnet thermometer	818	881
17967-176	G9	1013	50	4.593	0.211	143.5	Ni-in-garnet thermometer	1017	1009
17967-182	G9	1207	50	5.569	0.211	174.0	Ni-in-garnet thermometer	1265	1149
17968-001	G9	880	50	3.907	0.211	122.1	Ni-in-garnet thermometer	854	905
17968-003	G9	1262	50	5.840	0.211	182.5	Ni-in-garnet thermometer	1337	1186
17968-005	G10	1087	50	4.970	0.211	155.3	Ni-in-garnet thermometer	1110	1064
17968-007	G9	937	50	4.204	0.211	131.4	Ni-in-garnet thermometer	923	951
17968-008	G9	1362	50	6.336	0.211	198.0	Ni-in-garnet thermometer	1472	1252
17968-012	G9	1074	50	4.900	0.211	153.1	Ni-in-garnet thermometer	1093	1054
17968-013	G9	950	50	4.272	0.211	133.5	Ni-in-garnet thermometer	939	961
17968-014	G9	1165	50	5.359	0.211	167.5	Ni-in-garnet thermometer	1210	1120
17968-017	G12	897	50	3.995	0.211	124.8	Ni-in-garnet thermometer	874	919
17968-018	G9	1100	50	5.033	0.211	157.3	Ni-in-garnet thermometer	1127	1074
17968-019	G9	1071	50	4.883	0.211	152.6	Ni-in-garnet thermometer	1089	1052
17968-029	G12	871	50	3.862	0.211	120.7	Ni-in-garnet thermometer	844	899
17968-032	G9	940	50	4.220	0.211	131.9	Ni-in-garnet thermometer	927	953
17968-034	G9	1139	50	5.229	0.211	163.4	Ni-in-garnet thermometer	1177	1102
17968-036	G9	926	50	4.146	0.211	129.6	Ni-in-garnet thermometer	910	942
17968-037	G9	1037	50	4.713	0.211	147.3	Ni-in-garnet thermometer	1047	1027
17968-039	G9	940	50	4.217	0.211	131.8	Ni-in-garnet thermometer	927	953
17968-040	G11	994	50	4.496	0.211	140.5	Ni-in-garnet thermometer	993	995
17968-049	G9	1011	50	4.580	0.211	143.1	Ni-in-garnet thermometer	1014	1007

17968-050	G9	1144	50	5.251	0.211	164.1	Ni-in-garnet thermometer	1182	1105
17968-051	G10	1103	50	5.050	0.211	157.8	Ni-in-garnet thermometer	1131	1076
17968-055	G10	843	50	3.718	0.211	116.2	Ni-in-garnet thermometer	811	876
17968-057	G11	1105	50	5.059	0.211	158.1	Ni-in-garnet thermometer	1133	1077
21734-004	G12	840	50	3.699	0.211	115.6	Ni-in-garnet thermometer	807	873
21734-006	G9	806	50	3.523	0.211	110.1	Ni-in-garnet thermometer	767	846
21734-007	G11	1079	50	4.925	0.211	153.9	Ni-in-garnet thermometer	1099	1058
21734-008	G9	1187	50	5.467	0.211	170.8	Ni-in-garnet thermometer	1238	1135
21734-009	G9	943	50	4.233	0.211	132.3	Ni-in-garnet thermometer	930	955
21734-010	G9	1077	50	4.915	0.211	153.6	Ni-in-garnet thermometer	1097	1057
21734-011	G9	1176	50	5.411	0.211	169.1	Ni-in-garnet thermometer	1224	1127
21734-013	G9	893	50	3.977	0.211	124.3	Ni-in-garnet thermometer	870	916
21734-015	G10D	979	50	4.419	0.211	138.1	Ni-in-garnet thermometer	975	983
21734-018	G9	967	50	4.355	0.211	136.1	Ni-in-garnet thermometer	959	974
21734-021	G11	1126	50	5.163	0.211	161.4	Ni-in-garnet thermometer	1160	1092
21734-022	G9	973	50	4.390	0.211	137.2	Ni-in-garnet thermometer	968	979
21734-023	G11	1210	50	5.582	0.211	174.4	Ni-in-garnet thermometer	1269	1151
21734-025	G11	1180	50	5.433	0.211	169.8	Ni-in-garnet thermometer	1230	1130
21734-026	G11	1188	50	5.472	0.211	171.0	Ni-in-garnet thermometer	1240	1136
21734-027	G9	1149	50	5.276	0.211	164.9	Ni-in-garnet thermometer	1189	1108
21734-028	G9	1074	50	4.900	0.211	153.1	Ni-in-garnet thermometer	1093	1054
21734-030	G9	1088	50	4.970	0.211	155.3	Ni-in-garnet thermometer	1111	1065
21734-031	G11	1248	50	5.772	0.211	180.4	Ni-in-garnet thermometer	1319	1177
21734-033	G9	861	50	3.811	0.211	119.1	Ni-in-garnet thermometer	832	891
21734-034	G11	1181	50	5.437	0.211	169.9	Ni-in-garnet thermometer	1231	1131
21734-036	G10	1076	50	4.912	0.211	153.5	Ni-in-garnet thermometer	1096	1056
21734-037	G11	1096	50	5.014	0.211	156.7	Ni-in-garnet thermometer	1122	1071
21734-039	G9	1162	50	5.343	0.211	167.0	Ni-in-garnet thermometer	1206	1118
21734-041	G10D	1044	50	4.749	0.211	148.4	Ni-in-garnet thermometer	1055	1032
21734-042	G12	840	50	3.699	0.211	115.6	Ni-in-garnet thermometer	806	873
21734-043	G11	1037	50	4.717	0.211	147.4	Ni-in-garnet thermometer	1047	1028
21734-044	G9	1238	50	5.722	0.211	178.8	Ni-in-garnet thermometer	1306	1170
21734-046	G11	1256	50	5.814	0.211	181.7	Ni-in-garnet thermometer	1330	1183
21734-047	G9	1230	50	5.683	0.211	177.6	Ni-in-garnet thermometer	1295	1165
21734-048	G11	1171	50	5.390	0.211	168.5	Ni-in-garnet thermometer	1219	1124
21734-050	G11	843	50	3.712	0.211	116.0	Ni-in-garnet thermometer	810	875
21734-055	G11	1091	50	4.988	0.211	155.9	Ni-in-garnet thermometer	1115	1067
21734-056	G9	1002	50	4.537	0.211	141.8	Ni-in-garnet thermometer	1003	1001
21734-057	G10	843	50	3.718	0.211	116.2	Ni-in-garnet thermometer	811	876
21734-060	G11	1132	50	5.193	0.211	162.3	Ni-in-garnet thermometer	1167	1097
21735-001	G9	961	50	4.325	0.211	135.1	Ni-in-garnet thermometer	952	969
21735-005	G10	963	50	4.337	0.211	135.5	Ni-in-garnet thermometer	955	971
21735-012	G9	1174	50	5.405	0.211	168.9	Ni-in-garnet thermometer	1222	1126

21735-015	G9	1173	50	5.399	0.211	168.7	Ni-in-garnet thermometer	1221	1126
21735-021	G10	884	50	3.930	0.211	122.8	Ni-in-garnet thermometer	859	909
21735-024	G9	890	50	3.962	0.211	123.8	Ni-in-garnet thermometer	867	914
21735-025	G11	969	50	4.366	0.211	136.4	Ni-in-garnet thermometer	962	975
21735-030	G9	1069	50	4.875	0.211	152.3	Ni-in-garnet thermometer	1087	1051
21735-033	G9	894	50	3.981	0.211	124.4	Ni-in-garnet thermometer	871	917
21735-034	G11	987	50	4.459	0.211	139.3	Ni-in-garnet thermometer	984	989
21735-035	G9	883	50	3.923	0.211	122.6	Ni-in-garnet thermometer	857	908
21735-055	G9	957	50	4.304	0.211	134.5	Ni-in-garnet thermometer	947	966
21735-058	G11	957	50	4.305	0.211	134.5	Ni-in-garnet thermometer	947	966
21735-065	G9	1163	50	5.348	0.211	167.1	Ni-in-garnet thermometer	1207	1118
21735-066	G11	1061	50	4.836	0.211	151.1	Ni-in-garnet thermometer	1077	1045
21735-074	G9	1070	50	4.883	0.211	152.6	Ni-in-garnet thermometer	1089	1052
21735-075	G9	1116	50	5.113	0.211	159.8	Ni-in-garnet thermometer	1147	1085
21735-076	G9	776	50	3.363	0.211	105.1	Ni-in-garnet thermometer	732	821
21735-082	G9	1125	50	5.155	0.211	161.1	Ni-in-garnet thermometer	1158	1091
21735-085	G10D	1032	50	4.685	0.211	146.4	Ni-in-garnet thermometer	1040	1023
21735-088	G9	1108	50	5.071	0.211	158.5	Ni-in-garnet thermometer	1136	1079
21735-103	G9	936	50	4.199	0.211	131.2	Ni-in-garnet thermometer	922	950
21735-114	G10D	870	50	3.856	0.211	120.5	Ni-in-garnet thermometer	843	898
21735-115	G11	956	50	4.303	0.211	134.5	Ni-in-garnet thermometer	947	966
21735-122	G11	1091	50	4.985	0.211	155.8	Ni-in-garnet thermometer	1115	1067
21735-141	G9	968	50	4.361	0.211	136.3	Ni-in-garnet thermometer	961	975
21735-147	G9	1075	50	4.908	0.211	153.4	Ni-in-garnet thermometer	1095	1056
21735-148	G9	1021	50	4.635	0.211	144.8	Ni-in-garnet thermometer	1027	1016
21735-156	G9	852	50	3.760	0.211	117.5	Ni-in-garnet thermometer	820	883
21735-161	G9	1194	50	5.501	0.211	171.9	Ni-in-garnet thermometer	1247	1140
21735-167	G11	1141	50	5.239	0.211	163.7	Ni-in-garnet thermometer	1179	1103
21735-169	G9	923	50	4.132	0.211	129.1	Ni-in-garnet thermometer	906	940
21735-170	G9	1033	50	4.696	0.211	146.7	Ni-in-garnet thermometer	1042	1025
21735-173	G11	869	50	3.853	0.211	120.4	Ni-in-garnet thermometer	842	897
21735-174	G9	1070	50	4.880	0.211	152.5	Ni-in-garnet thermometer	1088	1052
21735-177	G11	1039	50	4.724	0.211	147.6	Ni-in-garnet thermometer	1049	1029
21735-184	G11	967	50	4.356	0.211	136.1	Ni-in-garnet thermometer	960	974
21735-192	G10	840	50	3.702	0.211	115.7	Ni-in-garnet thermometer	807	874
21735-193	G9	1150	50	5.284	0.211	165.1	Ni-in-garnet thermometer	1191	1109
21735-195	G9	854	50	3.774	0.211	117.9	Ni-in-garnet thermometer	823	885
21735-203	G9	701	50	2.963	0.211	92.6	Ni-in-garnet thermometer	646	756
21735-206	G9	890	50	3.958	0.211	123.7	Ni-in-garnet thermometer	866	913
21735-222	G9	1202	50	5.544	0.211	173.3	Ni-in-garnet thermometer	1259	1146
21735-224	G11	781	50	3.392	0.211	106.0	Ni-in-garnet thermometer	738	825
21735-231	G9	1079	50	4.925	0.211	153.9	Ni-in-garnet thermometer	1100	1058
21735-233	G9	1194	50	5.504	0.211	172.0	Ni-in-garnet thermometer	1248	1140

21735-238	G9	942	50	4.232	0.211	132.2	Ni-in-garnet thermometer	930	955
21735-247	G9	869	50	3.851	0.211	120.3	Ni-in-garnet thermometer	841	897
21735-248	G9	783	50	3.402	0.211	106.3	Ni-in-garnet thermometer	740	826
21735-249	G9	1173	50	5.399	0.211	168.7	Ni-in-garnet thermometer	1221	1126
21735-254	G9	1052	50	4.792	0.211	149.8	Ni-in-garnet thermometer	1066	1039
21735-260	G9	1172	50	5.393	0.211	168.5	Ni-in-garnet thermometer	1219	1125
21735-266	G10D	911	50	4.070	0.211	127.2	Ni-in-garnet thermometer	892	930
21735-267	G11	1123	50	5.148	0.211	160.9	Ni-in-garnet thermometer	1156	1090
21735-275	G9	943	50	4.232	0.211	132.3	Ni-in-garnet thermometer	930	955
21735-280	G9	1189	50	5.476	0.211	171.1	Ni-in-garnet thermometer	1241	1136
21735-286	G11	799	50	3.485	0.211	108.9	Ni-in-garnet thermometer	759	839
21735-287	G9	1089	50	4.974	0.211	155.5	Ni-in-garnet thermometer	1112	1065
21735-291	G9	1140	50	5.232	0.211	163.5	Ni-in-garnet thermometer	1178	1102
21736-001	G9	1046	50	4.760	0.211	148.7	Ni-in-garnet thermometer	1058	1034
21736-002	G10	830	50	3.648	0.211	114.0	Ni-in-garnet thermometer	795	865
21736-003	G9	965	50	4.349	0.211	135.9	Ni-in-garnet thermometer	958	973
21736-004	G10	1029	50	4.672	0.211	146.0	Ni-in-garnet thermometer	1036	1021
21736-009	G9	866	50	3.834	0.211	119.8	Ni-in-garnet thermometer	837	894
21736-010	G9	1131	50	5.185	0.211	162.0	Ni-in-garnet thermometer	1166	1096
21736-011	G9	1201	50	5.537	0.211	173.0	Ni-in-garnet thermometer	1257	1145
21736-013	G12	1051	50	4.787	0.211	149.6	Ni-in-garnet thermometer	1065	1038
21736-014	G9	1126	50	5.165	0.211	161.4	Ni-in-garnet thermometer	1160	1092
21736-015	G12	867	50	3.840	0.211	120.0	Ni-in-garnet thermometer	838	895
21736-016	G9	1151	50	5.286	0.211	165.2	Ni-in-garnet thermometer	1191	1110
21736-017	G12	1117	50	5.114	0.211	159.8	Ni-in-garnet thermometer	1148	1085
21736-020	G10	1145	50	5.257	0.211	164.3	Ni-in-garnet thermometer	1184	1106
21736-024	G11	1100	50	5.030	0.211	157.2	Ni-in-garnet thermometer	1126	1073
21736-026	G11	1143	50	5.248	0.211	164.0	Ni-in-garnet thermometer	1182	1104
21736-027	G9	888	50	3.949	0.211	123.4	Ni-in-garnet thermometer	864	912
21736-028	G11	1226	50	5.661	0.211	176.9	Ni-in-garnet thermometer	1289	1162
21736-029	G9	971	50	4.374	0.211	136.7	Ni-in-garnet thermometer	964	977
21736-031	G9	1166	50	5.363	0.211	167.6	Ni-in-garnet thermometer	1211	1121
21736-032	G9	826	50	3.626	0.211	113.3	Ni-in-garnet thermometer	790	862
21736-033	G9	1088	50	4.972	0.211	155.4	Ni-in-garnet thermometer	1111	1065
21736-034	G9	1112	50	5.091	0.211	159.1	Ni-in-garnet thermometer	1141	1082
21736-035	G9	1171	50	5.388	0.211	168.4	Ni-in-garnet thermometer	1218	1124
21736-037	G11	1163	50	5.347	0.211	167.1	Ni-in-garnet thermometer	1207	1118
21736-039	G11	1236	50	5.710	0.211	178.4	Ni-in-garnet thermometer	1302	1169
21736-040	G10	833	50	3.664	0.211	114.5	Ni-in-garnet thermometer	799	868
21736-042	G9	1169	50	5.379	0.211	168.1	Ni-in-garnet thermometer	1216	1123
21736-043	G9	1114	50	5.101	0.211	159.4	Ni-in-garnet thermometer	1144	1083
21736-047	G9	1043	50	4.742	0.211	148.2	Ni-in-garnet thermometer	1054	1031
21736-049	G10D	1018	50	4.614	0.211	144.2	Ni-in-garnet thermometer	1022	1013

21739-001	G9	1126	50	5.165	0.211	161.4	Ni-in-garnet thermometer	1160	1092
21739-002	G11	1174	50	5.402	0.211	168.8	Ni-in-garnet thermometer	1221	1126
21739-004	G9	1077	50	4.916	0.211	153.6	Ni-in-garnet thermometer	1097	1057
21739-005	G9	1100	50	5.033	0.211	157.3	Ni-in-garnet thermometer	1127	1074
21739-006	G9	877	50	3.891	0.211	121.6	Ni-in-garnet thermometer	850	903
21739-009	G9	1181	50	5.439	0.211	170.0	Ni-in-garnet thermometer	1231	1131
21739-013	G9	1150	50	5.280	0.211	165.0	Ni-in-garnet thermometer	1190	1109
21739-014	G12	868	50	3.846	0.211	120.2	Ni-in-garnet thermometer	840	896
21739-015	G10	1135	50	5.206	0.211	162.7	Ni-in-garnet thermometer	1171	1099
21739-016	G9	1129	50	5.176	0.211	161.7	Ni-in-garnet thermometer	1163	1094
21739-019	G10	1068	50	4.874	0.211	152.3	Ni-in-garnet thermometer	1086	1051
21739-020	G11	1186	50	5.464	0.211	170.7	Ni-in-garnet thermometer	1238	1135
21739-021	G11	1173	50	5.399	0.211	168.7	Ni-in-garnet thermometer	1221	1126
21739-022	G11	1172	50	5.393	0.211	168.5	Ni-in-garnet thermometer	1219	1125
21739-025	G9	1078	50	4.923	0.211	153.8	Ni-in-garnet thermometer	1099	1058
21739-026	G9	1117	50	5.119	0.211	160.0	Ni-in-garnet thermometer	1149	1086
21739-027	G9	1080	50	4.931	0.211	154.1	Ni-in-garnet thermometer	1101	1059
21739-028	G9	1001	50	4.532	0.211	141.6	Ni-in-garnet thermometer	1002	1000
21739-029	G12	1162	50	5.341	0.211	166.9	Ni-in-garnet thermometer	1206	1117
21739-030	G10	1166	50	5.360	0.211	167.5	Ni-in-garnet thermometer	1211	1120
21739-032	G9	1159	50	5.327	0.211	166.5	Ni-in-garnet thermometer	1202	1116
21739-033	G9	1125	50	5.159	0.211	161.2	Ni-in-garnet thermometer	1159	1092
21739-035	G11	1072	50	4.893	0.211	152.9	Ni-in-garnet thermometer	1091	1053
21739-037	G10D	1183	50	5.450	0.211	170.3	Ni-in-garnet thermometer	1234	1133
21739-038	G9	965	50	4.345	0.211	135.8	Ni-in-garnet thermometer	957	972
21739-039	G10D	1004	50	4.544	0.211	142.0	Ni-in-garnet thermometer	1005	1002
21739-040	G9	1178	50	5.422	0.211	169.4	Ni-in-garnet thermometer	1227	1129
21739-041	G9	1224	50	5.651	0.211	176.6	Ni-in-garnet thermometer	1287	1160
21739-042	G11	1159	50	5.327	0.211	166.5	Ni-in-garnet thermometer	1202	1116
21739-044	G10	916	50	4.093	0.211	127.9	Ni-in-garnet thermometer	897	934
21739-045	G9	1112	50	5.092	0.211	159.1	Ni-in-garnet thermometer	1142	1082
21739-047	G9	855	50	3.778	0.211	118.1	Ni-in-garnet thermometer	824	885
21739-049	G9	1158	50	5.322	0.211	166.3	Ni-in-garnet thermometer	1201	1115
21739-052	G11	870	50	3.858	0.211	120.6	Ni-in-garnet thermometer	843	898
21739-053	G11	1188	50	5.475	0.211	171.1	Ni-in-garnet thermometer	1240	1136
21739-055	G9	1267	50	5.866	0.211	183.3	Ni-in-garnet thermometer	1344	1189
21739-056	G9	1143	50	5.250	0.211	164.1	Ni-in-garnet thermometer	1182	1105
21739-058	G9	1140	50	5.233	0.211	163.5	Ni-in-garnet thermometer	1178	1102
21739-059	G11	1046	50	4.758	0.211	148.7	Ni-in-garnet thermometer	1058	1034
21739-061	G11	1129	50	5.178	0.211	161.8	Ni-in-garnet thermometer	1164	1094
21739-062	G11	906	50	4.045	0.211	126.4	Ni-in-garnet thermometer	886	927
21739-063	G9	860	50	3.806	0.211	118.9	Ni-in-garnet thermometer	831	890
21739-064	G11	1184	50	5.455	0.211	170.5	Ni-in-garnet thermometer	1235	1133

21739-066	G11	1175	50	5.408	0.211	169.0	Ni-in-garnet thermometer	1223	1127
21739-067	G11	1207	50	5.567	0.211	174.0	Ni-in-garnet thermometer	1265	1149
21739-068	G9	1091	50	4.987	0.211	155.8	Ni-in-garnet thermometer	1115	1067
21739-069	G10	954	50	4.288	0.211	134.0	Ni-in-garnet thermometer	943	964
21739-071	G9	1143	50	5.248	0.211	164.0	Ni-in-garnet thermometer	1182	1104
21739-072	G9	1230	50	5.683	0.211	177.6	Ni-in-garnet thermometer	1295	1165
21739-073	G11	824	50	3.616	0.211	113.0	Ni-in-garnet thermometer	788	860
21739-074	G11	983	50	4.437	0.211	138.7	Ni-in-garnet thermometer	979	986
21739-075	G9	1165	50	5.359	0.211	167.5	Ni-in-garnet thermometer	1210	1120
21739-076	G12	926	50	4.147	0.211	129.6	Ni-in-garnet thermometer	910	942
21739-077	G11	1078	50	4.923	0.211	153.8	Ni-in-garnet thermometer	1099	1058
21739-079	G11	1132	50	5.194	0.211	162.3	Ni-in-garnet thermometer	1167	1097
21739-080	G9	1026	50	4.660	0.211	145.6	Ni-in-garnet thermometer	1034	1019
21739-081	G9	1177	50	5.417	0.211	169.3	Ni-in-garnet thermometer	1225	1128
21739-082	G9	1180	50	5.434	0.211	169.8	Ni-in-garnet thermometer	1230	1130
21739-083	G11	1093	50	4.997	0.211	156.2	Ni-in-garnet thermometer	1118	1069
21739-086	G11	1222	50	5.644	0.211	176.4	Ni-in-garnet thermometer	1285	1160
21739-087	G9	1100	50	5.033	0.211	157.3	Ni-in-garnet thermometer	1127	1074
21740-002	G9	1174	50	5.402	0.211	168.8	Ni-in-garnet thermometer	1221	1126
21740-004	G9	1130	50	5.182	0.211	161.9	Ni-in-garnet thermometer	1165	1095
21740-013	G9	1193	50	5.500	0.211	171.9	Ni-in-garnet thermometer	1247	1140
21740-015	G11	1117	50	5.119	0.211	160.0	Ni-in-garnet thermometer	1149	1086
21740-016	G9	970	50	4.372	0.211	136.6	Ni-in-garnet thermometer	963	976
21740-017	G11	1008	50	4.566	0.211	142.7	Ni-in-garnet thermometer	1011	1006
21740-020	G9	1045	50	4.755	0.211	148.6	Ni-in-garnet thermometer	1057	1033
21740-025	G9	1179	50	5.426	0.211	169.6	Ni-in-garnet thermometer	1228	1129
21740-026	G9	742	50	3.178	0.211	99.3	Ni-in-garnet thermometer	692	791
21740-028	G9	1193	50	5.499	0.211	171.8	Ni-in-garnet thermometer	1247	1140
21740-029	G11	1195	50	5.510	0.211	172.2	Ni-in-garnet thermometer	1250	1141
21740-031	G10D	1151	50	5.286	0.211	165.2	Ni-in-garnet thermometer	1192	1110
21740-032	G9	1046	50	4.759	0.211	148.7	Ni-in-garnet thermometer	1058	1034
21740-033	G9	904	50	4.032	0.211	126.0	Ni-in-garnet thermometer	883	925
21740-036	G9	1025	50	4.651	0.211	145.3	Ni-in-garnet thermometer	1031	1018
21740-037	G9	1189	50	5.477	0.211	171.1	Ni-in-garnet thermometer	1241	1136
21740-038	G9	1192	50	5.495	0.211	171.7	Ni-in-garnet thermometer	1246	1139
21740-039	G9	1116	50	5.110	0.211	159.7	Ni-in-garnet thermometer	1146	1085
21740-040	G9	1127	50	5.166	0.211	161.4	Ni-in-garnet thermometer	1161	1093
21740-041	G9	1150	50	5.285	0.211	165.2	Ni-in-garnet thermometer	1191	1110
21740-042	G10	1183	50	5.450	0.211	170.3	Ni-in-garnet thermometer	1234	1133
21740-044	G10	962	50	4.333	0.211	135.4	Ni-in-garnet thermometer	954	970
21740-049	G10	858	50	3.795	0.211	118.6	Ni-in-garnet thermometer	828	888
21740-050	G9	1184	50	5.452	0.211	170.4	Ni-in-garnet thermometer	1235	1133
21740-052	G9	969	50	4.365	0.211	136.4	Ni-in-garnet thermometer	962	975

21740-054	G9	919	50	4.108	0.211	128.4	Ni-in-garnet thermometer	901	936
21740-055	G11	1104	50	5.054	0.211	157.9	Ni-in-garnet thermometer	1132	1077
21740-056	G9	1186	50	5.462	0.211	170.7	Ni-in-garnet thermometer	1237	1134
21740-058	G9	1177	50	5.421	0.211	169.4	Ni-in-garnet thermometer	1226	1129
21740-059	G9	1163	50	5.350	0.211	167.2	Ni-in-garnet thermometer	1208	1119
21740-060	G11	1000	50	4.525	0.211	141.4	Ni-in-garnet thermometer	1001	999
21740-061	G11	935	50	4.194	0.211	131.1	Ni-in-garnet thermometer	921	949
21740-062	G11	1186	50	5.465	0.211	170.8	Ni-in-garnet thermometer	1238	1135
21740-064	G11	790	50	3.437	0.211	107.4	Ni-in-garnet thermometer	748	832
21740-066	G10	923	50	4.131	0.211	129.1	Ni-in-garnet thermometer	906	940
21740-067	G11	800	50	3.491	0.211	109.1	Ni-in-garnet thermometer	760	840
21740-068	G11	1110	50	5.083	0.211	158.8	Ni-in-garnet thermometer	1139	1081
21740-069	G9	1144	50	5.250	0.211	164.1	Ni-in-garnet thermometer	1182	1105
21740-070	G11	780	50	3.382	0.211	105.7	Ni-in-garnet thermometer	736	823
21740-071	G9	1087	50	4.966	0.211	155.2	Ni-in-garnet thermometer	1110	1064
21740-073	G9	963	50	4.339	0.211	135.6	Ni-in-garnet thermometer	955	971
21740-074	G9	964	50	4.340	0.211	135.6	Ni-in-garnet thermometer	956	971
21740-075	G11	1178	50	5.424	0.211	169.5	Ni-in-garnet thermometer	1227	1129
21740-077	G10	1182	50	5.444	0.211	170.1	Ni-in-garnet thermometer	1232	1132
21740-078	G11	875	50	3.885	0.211	121.4	Ni-in-garnet thermometer	849	902
21740-079	G11	787	50	3.421	0.211	106.9	Ni-in-garnet thermometer	745	830
21740-082	G12	886	50	3.939	0.211	123.1	Ni-in-garnet thermometer	862	911
21740-083	G9	999	50	4.519	0.211	141.2	Ni-in-garnet thermometer	999	998
21740-085	G9	964	50	4.341	0.211	135.7	Ni-in-garnet thermometer	956	972
21740-088	G9	773	50	3.347	0.211	104.6	Ni-in-garnet thermometer	728	818
21740-092	G10D	1180	50	5.433	0.211	169.8	Ni-in-garnet thermometer	1230	1130
21740-096	G11	936	50	4.198	0.211	131.2	Ni-in-garnet thermometer	922	950
21740-098	G11	1156	50	5.313	0.211	166.0	Ni-in-garnet thermometer	1198	1114
21740-100	G11	1192	50	5.494	0.211	171.7	Ni-in-garnet thermometer	1245	1139
21740-102	G9	1131	50	5.186	0.211	162.1	Ni-in-garnet thermometer	1166	1096
21740-104	G9	1234	50	5.704	0.211	178.2	Ni-in-garnet thermometer	1301	1168
21740-105	G11	1180	50	5.435	0.211	169.8	Ni-in-garnet thermometer	1230	1131
21740-106	G9	1114	50	5.104	0.211	159.5	Ni-in-garnet thermometer	1145	1084
21740-107	G9	1198	50	5.522	0.211	172.6	Ni-in-garnet thermometer	1253	1143
21740-113	G11	1187	50	5.466	0.211	170.8	Ni-in-garnet thermometer	1238	1135
21740-114	G9	1181	50	5.437	0.211	169.9	Ni-in-garnet thermometer	1231	1131
21740-115	G9	1148	50	5.274	0.211	164.8	Ni-in-garnet thermometer	1188	1108
21740-117	G9	986	50	4.457	0.211	139.3	Ni-in-garnet thermometer	984	989
21740-118	G10	904	50	4.032	0.211	126.0	Ni-in-garnet thermometer	883	925
21740-119	G9	1150	50	5.283	0.211	165.1	Ni-in-garnet thermometer	1191	1109
21740-120	G9	1100	50	5.033	0.211	157.3	Ni-in-garnet thermometer	1127	1074
21740-121	G9	961	50	4.329	0.211	135.3	Ni-in-garnet thermometer	953	970
21740-124	G11	1187	50	5.469	0.211	170.9	Ni-in-garnet thermometer	1239	1135

21740-126	G10	876	50	3.888	0.211	121.5	Ni-in-garnet thermometer	850	903
21740-129	G9	1054	50	4.800	0.211	150.0	Ni-in-garnet thermometer	1068	1040
21740-133	G9	974	50	4.392	0.211	137.3	Ni-in-garnet thermometer	968	979
21740-134	G9	973	50	4.388	0.211	137.1	Ni-in-garnet thermometer	967	979
21740-136	G9	1146	50	5.264	0.211	164.5	Ni-in-garnet thermometer	1186	1107
21740-138	G9	818	50	3.586	0.211	112.1	Ni-in-garnet thermometer	781	855
21740-141	G9	1224	50	5.653	0.211	176.6	Ni-in-garnet thermometer	1287	1161
21740-143	G9	1165	50	5.356	0.211	167.4	Ni-in-garnet thermometer	1210	1120
21740-147	G9	967	50	4.355	0.211	136.1	Ni-in-garnet thermometer	959	974
21740-150	G11	1063	50	4.845	0.211	151.4	Ni-in-garnet thermometer	1079	1046
21740-152	G10	974	50	4.394	0.211	137.3	Ni-in-garnet thermometer	969	980
21740-153	G9	1056	50	4.808	0.211	150.2	Ni-in-garnet thermometer	1070	1041
21740-155	G9	981	50	4.427	0.211	138.3	Ni-in-garnet thermometer	977	985
21740-156	G11	1035	50	4.702	0.211	146.9	Ni-in-garnet thermometer	1044	1026
21740-157	G10D	1008	50	4.563	0.211	142.6	Ni-in-garnet thermometer	1010	1005
21740-158	G9	1168	50	5.372	0.211	167.9	Ni-in-garnet thermometer	1214	1122
21740-161	G9	1089	50	4.977	0.211	155.5	Ni-in-garnet thermometer	1113	1066
21740-162	G9	1187	50	5.466	0.211	170.8	Ni-in-garnet thermometer	1238	1135
21740-163	G9	1124	50	5.155	0.211	161.1	Ni-in-garnet thermometer	1158	1091
21740-165	G10	921	50	4.122	0.211	128.8	Ni-in-garnet thermometer	904	938
21740-167	G9	1246	50	5.764	0.211	180.1	Ni-in-garnet thermometer	1317	1176
21740-168	G11	1182	50	5.442	0.211	170.1	Ni-in-garnet thermometer	1232	1132
21740-169	G9	1233	50	5.696	0.211	178.0	Ni-in-garnet thermometer	1299	1167
21740-170	G10	1026	50	4.659	0.211	145.6	Ni-in-garnet thermometer	1033	1019
21740-171	G10D	1161	50	5.334	0.211	166.7	Ni-in-garnet thermometer	1204	1117
21740-173	G9	1277	50	5.920	0.211	185.0	Ni-in-garnet thermometer	1358	1197
21740-175	G9	907	50	4.048	0.211	126.5	Ni-in-garnet thermometer	887	927
21740-176	G10	1176	50	5.414	0.211	169.2	Ni-in-garnet thermometer	1225	1128
21740-179	G9	876	50	3.890	0.211	121.6	Ni-in-garnet thermometer	850	903
21740-181	G9	970	50	4.371	0.211	136.6	Ni-in-garnet thermometer	963	976
21740-182	G9	1239	50	5.726	0.211	178.9	Ni-in-garnet thermometer	1307	1171
21740-185	G9	1251	50	5.786	0.211	180.8	Ni-in-garnet thermometer	1323	1179
21740-186	G9	773	50	3.347	0.211	104.6	Ni-in-garnet thermometer	729	818
21740-187	G9	1250	50	5.786	0.211	180.8	Ni-in-garnet thermometer	1322	1179
21740-188	G9	1057	50	4.814	0.211	150.4	Ni-in-garnet thermometer	1072	1042
21740-189	G9	1035	50	4.706	0.211	147.1	Ni-in-garnet thermometer	1045	1026
21740-190	G9	1007	50	4.562	0.211	142.6	Ni-in-garnet thermometer	1009	1005
21740-191	G9	1135	50	5.209	0.211	162.8	Ni-in-garnet thermometer	1172	1099
21740-192	G9	1058	50	4.821	0.211	150.7	Ni-in-garnet thermometer	1073	1043
21740-193	G10D	816	50	3.574	0.211	111.7	Ni-in-garnet thermometer	779	854
21740-194	G9	1261	50	5.840	0.211	182.5	Ni-in-garnet thermometer	1337	1186
21740-195	G9	1120	50	5.132	0.211	160.4	Ni-in-garnet thermometer	1152	1088
21740-197	G11	1045	50	4.755	0.211	148.6	Ni-in-garnet thermometer	1057	1033

21740-198	G9	1139	50	5.228	0.211	163.4	Ni-in-garnet thermometer	1177	1102
21740-199	G9	1107	50	5.068	0.211	158.4	Ni-in-garnet thermometer	1136	1079
21740-201	G9	989	50	4.468	0.211	139.6	Ni-in-garnet thermometer	987	991
21740-202	G11	1048	50	4.768	0.211	149.0	Ni-in-garnet thermometer	1060	1035
21740-203	G9	1226	50	5.663	0.211	177.0	Ni-in-garnet thermometer	1290	1162
21740-205	G9	1107	50	5.069	0.211	158.4	Ni-in-garnet thermometer	1136	1079
21740-207	G11	1306	50	6.064	0.211	189.5	Ni-in-garnet thermometer	1397	1216
21740-209	G10D	866	50	3.837	0.211	119.9	Ni-in-garnet thermometer	838	894
21740-210	G9	1063	50	4.845	0.211	151.4	Ni-in-garnet thermometer	1079	1046
21740-211	G9	1112	50	5.093	0.211	159.2	Ni-in-garnet thermometer	1142	1082
21740-212	G9	971	50	4.376	0.211	136.8	Ni-in-garnet thermometer	964	977
21740-214	G9	981	50	4.428	0.211	138.4	Ni-in-garnet thermometer	977	985
21740-215	G11	1316	50	6.112	0.211	191.0	Ni-in-garnet thermometer	1410	1222
21740-216	G11	1203	50	5.546	0.211	173.3	Ni-in-garnet thermometer	1259	1146
21740-217	G10	1012	50	4.586	0.211	143.3	Ni-in-garnet thermometer	1015	1008
21740-218	G9	989	50	4.470	0.211	139.7	Ni-in-garnet thermometer	987	991
21740-220	G11	1054	50	4.798	0.211	149.9	Ni-in-garnet thermometer	1068	1040
21740-221	G9	1173	50	5.397	0.211	168.7	Ni-in-garnet thermometer	1220	1125
21740-222	G10D	1112	50	5.092	0.211	159.1	Ni-in-garnet thermometer	1142	1082
21740-223	G11	1098	50	5.024	0.211	157.0	Ni-in-garnet thermometer	1124	1072
21740-224	G9	1017	50	4.614	0.211	144.2	Ni-in-garnet thermometer	1022	1013
21740-225	G10	968	50	4.361	0.211	136.3	Ni-in-garnet thermometer	961	975
21740-226	G9	1054	50	4.797	0.211	149.9	Ni-in-garnet thermometer	1068	1040
21740-227	G9	971	50	4.378	0.211	136.8	Ni-in-garnet thermometer	965	977
21740-228	G9	918	50	4.104	0.211	128.2	Ni-in-garnet thermometer	900	936
21740-229	G11	1142	50	5.245	0.211	163.9	Ni-in-garnet thermometer	1181	1104
21740-230	G9	1033	50	4.696	0.211	146.7	Ni-in-garnet thermometer	1042	1025
21740-232	G9	969	50	4.368	0.211	136.5	Ni-in-garnet thermometer	963	976
21740-233	G10	1141	50	5.238	0.211	163.7	Ni-in-garnet thermometer	1179	1103
21740-235	G9	1185	50	5.459	0.211	170.6	Ni-in-garnet thermometer	1237	1134
21740-237	G9	1346	50	6.259	0.211	195.6	Ni-in-garnet thermometer	1451	1242
21740-241	G9	983	50	4.440	0.211	138.7	Ni-in-garnet thermometer	980	986
21740-242	G9	1019	50	4.625	0.211	144.5	Ni-in-garnet thermometer	1025	1014
21740-243	G9	928	50	4.156	0.211	129.9	Ni-in-garnet thermometer	912	944
21740-244	G11	936	50	4.199	0.211	131.2	Ni-in-garnet thermometer	922	950
21740-246	G9	1164	50	5.353	0.211	167.3	Ni-in-garnet thermometer	1209	1119
21740-248	G9	1232	50	5.692	0.211	177.9	Ni-in-garnet thermometer	1298	1166
21740-249	G9	830	50	3.645	0.211	113.9	Ni-in-garnet thermometer	794	865
21740-253	G9	1151	50	5.289	0.211	165.3	Ni-in-garnet thermometer	1192	1110
21740-254	G9	1274	50	5.898	0.211	184.3	Ni-in-garnet thermometer	1353	1194
21740-257	G9	917	50	4.098	0.211	128.1	Ni-in-garnet thermometer	898	935
21740-258	G9	942	50	4.231	0.211	132.2	Ni-in-garnet thermometer	930	955
21740-259	G11	977	50	4.410	0.211	137.8	Ni-in-garnet thermometer	972	982

21740-261	G9	936	50	4.199	0.211	131.2	Ni-in-garnet thermometer	922	950
21740-263	G9	882	50	3.921	0.211	122.5	Ni-in-garnet thermometer	857	908
21740-265	G10	807	50	3.523	0.211	110.1	Ni-in-garnet thermometer	767	846
21740-267	G10	1089	50	4.976	0.211	155.5	Ni-in-garnet thermometer	1112	1065
21740-268	G9	963	50	4.337	0.211	135.5	Ni-in-garnet thermometer	955	971
21740-271	G9	1161	50	5.339	0.211	166.8	Ni-in-garnet thermometer	1205	1117
21740-273	G9	1115	50	5.107	0.211	159.6	Ni-in-garnet thermometer	1145	1084
21740-276	G11	1045	50	4.756	0.211	148.6	Ni-in-garnet thermometer	1057	1033
21740-278	G10	1070	50	4.880	0.211	152.5	Ni-in-garnet thermometer	1089	1052
21740-279	G9	1031	50	4.682	0.211	146.3	Ni-in-garnet thermometer	1039	1023
21740-280	G9	1034	50	4.698	0.211	146.8	Ni-in-garnet thermometer	1043	1025
21740-281	G9	1023	50	4.645	0.211	145.2	Ni-in-garnet thermometer	1030	1017
21740-282	G10	873	50	3.872	0.211	121.0	Ni-in-garnet thermometer	846	900
21740-283	G9	1281	50	5.936	0.211	185.5	Ni-in-garnet thermometer	1363	1199
21740-284	G9	909	50	4.060	0.211	126.9	Ni-in-garnet thermometer	890	929
21740-285	G11	1075	50	4.907	0.211	153.3	Ni-in-garnet thermometer	1095	1055
21740-289	G11	1059	50	4.827	0.211	150.8	Ni-in-garnet thermometer	1075	1044
21740-293	G9	839	50	3.695	0.211	115.5	Ni-in-garnet thermometer	806	873
21740-297	G9	1053	50	4.795	0.211	149.9	Ni-in-garnet thermometer	1067	1039
21740-299	G9	1309	50	6.074	0.211	189.8	Ni-in-garnet thermometer	1400	1217
21740-301	G9	1055	50	4.804	0.211	150.1	Ni-in-garnet thermometer	1069	1040
21745-002	G9	1463	50	6.822	0.211	213.2	Ni-in-garnet thermometer	1611	1315
21745-003	G9	1190	50	5.485	0.211	171.4	Ni-in-garnet thermometer	1243	1138
21745-005	G9	1003	50	4.539	0.211	141.9	Ni-in-garnet thermometer	1004	1001
21745-006	G9	1055	50	4.803	0.211	150.1	Ni-in-garnet thermometer	1069	1040
21745-008	G12	933	50	4.182	0.211	130.7	Ni-in-garnet thermometer	919	948
21745-009	G9	1115	50	5.107	0.211	159.6	Ni-in-garnet thermometer	1146	1084
21745-010	G11	1193	50	5.496	0.211	171.8	Ni-in-garnet thermometer	1246	1139
21745-011	G9	995	50	4.502	0.211	140.7	Ni-in-garnet thermometer	995	996
21745-013	G9	1114	50	5.101	0.211	159.4	Ni-in-garnet thermometer	1144	1083
21745-015	G12	863	50	3.818	0.211	119.3	Ni-in-garnet thermometer	834	892
21745-016	G10	1057	50	4.816	0.211	150.5	Ni-in-garnet thermometer	1072	1042
21745-020	G11	1087	50	4.964	0.211	155.1	Ni-in-garnet thermometer	1109	1064
21745-021	G9	970	50	4.373	0.211	136.7	Ni-in-garnet thermometer	964	977
21745-023	G9	952	50	4.282	0.211	133.8	Ni-in-garnet thermometer	942	963
21745-026	G10	1145	50	5.258	0.211	164.3	Ni-in-garnet thermometer	1184	1106
21745-027	G9	1034	50	4.697	0.211	146.8	Ni-in-garnet thermometer	1042	1025
21745-028	G9	1019	50	4.622	0.211	144.4	Ni-in-garnet thermometer	1024	1014
21745-030	G12	1311	50	6.083	0.211	190.1	Ni-in-garnet thermometer	1402	1219
21745-031	G9	1068	50	4.873	0.211	152.3	Ni-in-garnet thermometer	1086	1051
21745-034	G9	1026	50	4.657	0.211	145.5	Ni-in-garnet thermometer	1033	1019
21745-041	G9	986	50	4.455	0.211	139.2	Ni-in-garnet thermometer	984	989
21745-042	G9	1110	50	5.084	0.211	158.9	Ni-in-garnet thermometer	1140	1081

21745-044	G9	999	50	4.520	0.211	141.2	Ni-in-garnet thermometer	999	998
21745-045	G10	962	50	4.330	0.211	135.3	Ni-in-garnet thermometer	954	970
21745-048	G9	1102	50	5.040	0.211	157.5	Ni-in-garnet thermometer	1129	1075
21745-049	G9	971	50	4.377	0.211	136.8	Ni-in-garnet thermometer	965	977
21745-050	G9	1104	50	5.052	0.211	157.9	Ni-in-garnet thermometer	1132	1076
21745-051	G9	1145	50	5.260	0.211	164.4	Ni-in-garnet thermometer	1185	1106
21745-052	G9	1016	50	4.608	0.211	144.0	Ni-in-garnet thermometer	1021	1012
21745-053	G11	1209	50	5.578	0.211	174.3	Ni-in-garnet thermometer	1267	1150
21745-054	G9	1209	50	5.580	0.211	174.4	Ni-in-garnet thermometer	1268	1151
21745-055	G11	1184	50	5.453	0.211	170.4	Ni-in-garnet thermometer	1235	1133
21745-056	G9	1201	50	5.537	0.211	173.0	Ni-in-garnet thermometer	1257	1145
21745-058	G9	1061	50	4.837	0.211	151.1	Ni-in-garnet thermometer	1077	1045
21745-060	G9	1187	50	5.470	0.211	170.9	Ni-in-garnet thermometer	1239	1136
21745-061	G10	905	50	4.038	0.211	126.2	Ni-in-garnet thermometer	884	925
21745-065	G12	877	50	3.894	0.211	121.7	Ni-in-garnet thermometer	851	904
21745-066	G9	960	50	4.322	0.211	135.1	Ni-in-garnet thermometer	951	969
21745-069	G12	879	50	3.904	0.211	122.0	Ni-in-garnet thermometer	853	905
21746-003	G9	1079	50	4.926	0.211	153.9	Ni-in-garnet thermometer	1100	1058
21746-006	G9	1233	50	5.696	0.211	178.0	Ni-in-garnet thermometer	1299	1167
21746-009	G9	1119	50	5.129	0.211	160.3	Ni-in-garnet thermometer	1151	1087
21746-012	G9	973	50	4.388	0.211	137.1	Ni-in-garnet thermometer	967	979
21746-015	G9	1160	50	5.331	0.211	166.6	Ni-in-garnet thermometer	1203	1116
21746-018	G9	1194	50	5.503	0.211	172.0	Ni-in-garnet thermometer	1248	1140
21746-019	G9	882	50	3.920	0.211	122.5	Ni-in-garnet thermometer	857	907
21746-021	G9	967	50	4.356	0.211	136.1	Ni-in-garnet thermometer	959	974
21746-023	G9	1081	50	4.934	0.211	154.2	Ni-in-garnet thermometer	1102	1059
21746-026	G9	1206	50	5.561	0.211	173.8	Ni-in-garnet thermometer	1263	1148
21746-027	G9	1206	50	5.563	0.211	173.8	Ni-in-garnet thermometer	1264	1148
21746-028	G9	918	50	4.104	0.211	128.2	Ni-in-garnet thermometer	900	936
21746-029	G9	996	50	4.505	0.211	140.8	Ni-in-garnet thermometer	996	996
21746-030	G9	953	50	4.284	0.211	133.9	Ni-in-garnet thermometer	942	963
21746-032	G9	1265	50	5.859	0.211	183.1	Ni-in-garnet thermometer	1342	1189
21746-033	G11	1217	50	5.617	0.211	175.5	Ni-in-garnet thermometer	1278	1156
21746-034	G9	868	50	3.849	0.211	120.3	Ni-in-garnet thermometer	841	896
21746-036	G9	908	50	4.055	0.211	126.7	Ni-in-garnet thermometer	888	928
21746-037	G11	1043	50	4.744	0.211	148.2	Ni-in-garnet thermometer	1054	1032
21746-039	G9	1134	50	5.203	0.211	162.6	Ni-in-garnet thermometer	1170	1098
21746-043	G9	1119	50	5.129	0.211	160.3	Ni-in-garnet thermometer	1151	1087
21746-044	G9	924	50	4.137	0.211	129.3	Ni-in-garnet thermometer	908	941
21746-045	G11	1109	50	5.078	0.211	158.7	Ni-in-garnet thermometer	1138	1080
21746-048	G11	976	50	4.400	0.211	137.5	Ni-in-garnet thermometer	970	981
21746-049	G9	1060	50	4.830	0.211	150.9	Ni-in-garnet thermometer	1076	1044
21746-050	G11	1097	50	5.016	0.211	156.7	Ni-in-garnet thermometer	1122	1071

21746-051	G9	1198	50	5.522	0.211	172.6	Ni-in-garnet thermometer	1253	1143
21746-052	G9	1020	50	4.630	0.211	144.7	Ni-in-garnet thermometer	1026	1015
21746-054	G9	1142	50	5.243	0.211	163.8	Ni-in-garnet thermometer	1180	1104
21746-056	G9	1006	50	4.556	0.211	142.4	Ni-in-garnet thermometer	1008	1004
21746-059	G9	962	50	4.330	0.211	135.3	Ni-in-garnet thermometer	953	970
21746-061	G9	1122	50	5.144	0.211	160.7	Ni-in-garnet thermometer	1155	1090
21746-062	G11	1145	50	5.257	0.211	164.3	Ni-in-garnet thermometer	1184	1106
21746-063	G9	1050	50	4.782	0.211	149.4	Ni-in-garnet thermometer	1064	1037
21746-065	G11	949	50	4.267	0.211	133.3	Ni-in-garnet thermometer	938	960
21746-067	G9	883	50	3.927	0.211	122.7	Ni-in-garnet thermometer	859	908
21746-068	G9	1173	50	5.399	0.211	168.7	Ni-in-garnet thermometer	1221	1126
21746-070	G11	1120	50	5.131	0.211	160.4	Ni-in-garnet thermometer	1152	1088
21746-071	G10	1019	50	4.624	0.211	144.5	Ni-in-garnet thermometer	1025	1014
21746-073	G9	1179	50	5.428	0.211	169.6	Ni-in-garnet thermometer	1228	1130
21746-074	G9	1085	50	4.956	0.211	154.9	Ni-in-garnet thermometer	1107	1063
21746-077	G11	1043	50	4.742	0.211	148.2	Ni-in-garnet thermometer	1054	1032
21746-078	G10	1075	50	4.905	0.211	153.3	Ni-in-garnet thermometer	1094	1055
21746-079	G9	927	50	4.150	0.211	129.7	Ni-in-garnet thermometer	911	943
21746-080	G9	1180	50	5.433	0.211	169.8	Ni-in-garnet thermometer	1230	1130
21746-081	G9	996	50	4.504	0.211	140.7	Ni-in-garnet thermometer	995	996
21746-083	G11	995	50	4.498	0.211	140.6	Ni-in-garnet thermometer	994	995
21746-084	G9	1183	50	5.450	0.211	170.3	Ni-in-garnet thermometer	1234	1133
21746-086	G9	1176	50	5.412	0.211	169.1	Ni-in-garnet thermometer	1224	1128
21746-088	G9	1064	50	4.849	0.211	151.5	Ni-in-garnet thermometer	1080	1047
21746-091	G11	1187	50	5.467	0.211	170.8	Ni-in-garnet thermometer	1238	1135
21746-092	G9	1076	50	4.912	0.211	153.5	Ni-in-garnet thermometer	1096	1056
21746-093	G11	949	50	4.266	0.211	133.3	Ni-in-garnet thermometer	938	960
21746-095	G9	1169	50	5.378	0.211	168.0	Ni-in-garnet thermometer	1215	1123
21746-096	G10D	1015	50	4.602	0.211	143.8	Ni-in-garnet thermometer	1019	1011
21746-097	G9	1071	50	4.885	0.211	152.7	Ni-in-garnet thermometer	1089	1052
21746-098	G10	887	50	3.946	0.211	123.3	Ni-in-garnet thermometer	863	911
21746-100	G11	1006	50	4.555	0.211	142.3	Ni-in-garnet thermometer	1008	1004
21746-102	G10D	930	50	4.170	0.211	130.3	Ni-in-garnet thermometer	915	945
21746-105	G9	1008	50	4.566	0.211	142.7	Ni-in-garnet thermometer	1010	1005
21746-110	G9	1079	50	4.924	0.211	153.9	Ni-in-garnet thermometer	1099	1058
21746-111	G9	969	50	4.367	0.211	136.5	Ni-in-garnet thermometer	962	976
21746-112	G9	961	50	4.325	0.211	135.1	Ni-in-garnet thermometer	952	969
21746-113	G9	1076	50	4.910	0.211	153.4	Ni-in-garnet thermometer	1096	1056
21746-116	G9	1004	50	4.544	0.211	142.0	Ni-in-garnet thermometer	1005	1002
21746-117	G9	949	50	4.266	0.211	133.3	Ni-in-garnet thermometer	938	960
21746-118	G9	1212	50	5.592	0.211	174.8	Ni-in-garnet thermometer	1271	1152
21746-119	G9	1024	50	4.646	0.211	145.2	Ni-in-garnet thermometer	1030	1017
21746-120	G9	1084	50	4.952	0.211	154.8	Ni-in-garnet thermometer	1106	1062

21746-124	G9	857	50	3.788	0.211	118.4	Ni-in-garnet thermometer	827	887
21746-126	G9	800	50	3.488	0.211	109.0	Ni-in-garnet thermometer	760	840
21746-128	G9	1238	50	5.720	0.211	178.7	Ni-in-garnet thermometer	1305	1170
21746-129	G10	859	50	3.802	0.211	118.8	Ni-in-garnet thermometer	830	889
21746-133	G9	1063	50	4.846	0.211	151.4	Ni-in-garnet thermometer	1080	1047
21746-134	G9	1095	50	5.007	0.211	156.5	Ni-in-garnet thermometer	1120	1070
21746-135	G9	1156	50	5.312	0.211	166.0	Ni-in-garnet thermometer	1198	1113
21746-137	G9	1147	50	5.269	0.211	164.7	Ni-in-garnet thermometer	1187	1107
21746-139	G11	1157	50	5.317	0.211	166.2	Ni-in-garnet thermometer	1199	1114
21746-140	G10D	1059	50	4.822	0.211	150.7	Ni-in-garnet thermometer	1074	1043
21746-143	G9	938	50	4.210	0.211	131.6	Ni-in-garnet thermometer	925	952
21746-144	G9	1112	50	5.091	0.211	159.1	Ni-in-garnet thermometer	1141	1082
21746-145	G9	1091	50	4.987	0.211	155.9	Ni-in-garnet thermometer	1115	1067
21746-146	G9	1158	50	5.323	0.211	166.3	Ni-in-garnet thermometer	1201	1115
21746-147	G9	1180	50	5.433	0.211	169.8	Ni-in-garnet thermometer	1230	1130
21746-149	G11	1180	50	5.431	0.211	169.7	Ni-in-garnet thermometer	1229	1130
21746-151	G11	1379	50	6.422	0.211	200.7	Ni-in-garnet thermometer	1496	1263
21746-153	G9	1197	50	5.516	0.211	172.4	Ni-in-garnet thermometer	1251	1142
21746-155	G9	1012	50	4.586	0.211	143.3	Ni-in-garnet thermometer	1015	1008
21746-158	G9	1191	50	5.490	0.211	171.6	Ni-in-garnet thermometer	1244	1138
21746-160	G9	1080	50	4.934	0.211	154.2	Ni-in-garnet thermometer	1102	1059
21746-162	G9	1085	50	4.957	0.211	154.9	Ni-in-garnet thermometer	1107	1063
21746-163	G9	1121	50	5.138	0.211	160.6	Ni-in-garnet thermometer	1154	1089
21746-165	G10	1032	50	4.688	0.211	146.5	Ni-in-garnet thermometer	1040	1023
21746-166	G11	892	50	3.972	0.211	124.1	Ni-in-garnet thermometer	869	915
21746-167	G9	1089	50	4.977	0.211	155.5	Ni-in-garnet thermometer	1112	1066
21746-168	G11	1159	50	5.327	0.211	166.5	Ni-in-garnet thermometer	1202	1116
21746-169	G9	868	50	3.848	0.211	120.2	Ni-in-garnet thermometer	840	896
21746-172	G9	1184	50	5.452	0.211	170.4	Ni-in-garnet thermometer	1235	1133
21746-173	G9	1145	50	5.259	0.211	164.4	Ni-in-garnet thermometer	1185	1106
21746-180	G9	774	50	3.354	0.211	104.8	Ni-in-garnet thermometer	730	819
21746-186	G11	1070	50	4.883	0.211	152.6	Ni-in-garnet thermometer	1089	1052
21746-187	G9	1182	50	5.444	0.211	170.1	Ni-in-garnet thermometer	1232	1132
21746-188	G11	1087	50	4.965	0.211	155.2	Ni-in-garnet thermometer	1110	1064
21746-189	G10	1044	50	4.752	0.211	148.5	Ni-in-garnet thermometer	1056	1033
21746-192	G9	949	50	4.267	0.211	133.4	Ni-in-garnet thermometer	938	961
21746-196	G9	1126	50	5.164	0.211	161.4	Ni-in-garnet thermometer	1160	1092
21746-197	G9	1147	50	5.269	0.211	164.6	Ni-in-garnet thermometer	1187	1107
21746-207	G10	924	50	4.138	0.211	129.3	Ni-in-garnet thermometer	908	941
21746-208	G9	1170	50	5.384	0.211	168.2	Ni-in-garnet thermometer	1217	1123
21746-210	G9	953	50	4.288	0.211	134.0	Ni-in-garnet thermometer	943	964
21746-211	G9	1206	50	5.565	0.211	173.9	Ni-in-garnet thermometer	1264	1149
21746-214	G9	1082	50	4.939	0.211	154.4	Ni-in-garnet thermometer	1103	1060

21746-217	G9	1075	50	4.908	0.211	153.4	Ni-in-garnet thermometer	1095	1056
21746-218	G9	973	50	4.387	0.211	137.1	Ni-in-garnet thermometer	967	979
21746-219	G11	901	50	4.016	0.211	125.5	Ni-in-garnet thermometer	879	922
21746-221	G9	1188	50	5.472	0.211	171.0	Ni-in-garnet thermometer	1240	1136
21746-224	G9	884	50	3.931	0.211	122.9	Ni-in-garnet thermometer	860	909
21746-225	G9	1132	50	5.191	0.211	162.2	Ni-in-garnet thermometer	1167	1096
21746-227	G9	1217	50	5.615	0.211	175.5	Ni-in-garnet thermometer	1277	1156
21746-229	G9	1262	50	5.843	0.211	182.6	Ni-in-garnet thermometer	1338	1187
21746-231	G11	1041	50	4.736	0.211	148.0	Ni-in-garnet thermometer	1052	1030
21746-232	G9	933	50	4.185	0.211	130.8	Ni-in-garnet thermometer	919	948
21746-233	G9	1131	50	5.189	0.211	162.2	Ni-in-garnet thermometer	1167	1096
21746-235	G10	921	50	4.122	0.211	128.8	Ni-in-garnet thermometer	904	938
21746-237	G9	969	50	4.369	0.211	136.5	Ni-in-garnet thermometer	963	976
21746-238	G9	1087	50	4.967	0.211	155.2	Ni-in-garnet thermometer	1110	1064
21746-241	G11	1103	50	5.046	0.211	157.7	Ni-in-garnet thermometer	1130	1076
21746-242	G11	1102	50	5.044	0.211	157.6	Ni-in-garnet thermometer	1130	1075
21746-243	G9	868	50	3.846	0.211	120.2	Ni-in-garnet thermometer	840	896
21746-244	G11	1072	50	4.889	0.211	152.8	Ni-in-garnet thermometer	1090	1053
21746-245	G9	1070	50	4.880	0.211	152.5	Ni-in-garnet thermometer	1088	1052
21746-246	G11	1288	50	5.974	0.211	186.7	Ni-in-garnet thermometer	1373	1204
21746-247	G9	1187	50	5.470	0.211	170.9	Ni-in-garnet thermometer	1239	1136
21746-248	G9	1208	50	5.573	0.211	174.2	Ni-in-garnet thermometer	1266	1150
21746-249	G9	1107	50	5.068	0.211	158.4	Ni-in-garnet thermometer	1136	1079
21746-250	G9	1200	50	5.531	0.211	172.8	Ni-in-garnet thermometer	1255	1144
21746-251	G11	1212	50	5.594	0.211	174.8	Ni-in-garnet thermometer	1272	1153
21746-253	G9	843	50	3.716	0.211	116.1	Ni-in-garnet thermometer	810	876
21746-256	G9	974	50	4.393	0.211	137.3	Ni-in-garnet thermometer	968	979
21746-260	G9	1193	50	5.498	0.211	171.8	Ni-in-garnet thermometer	1247	1140
21746-261	G9	1177	50	5.416	0.211	169.3	Ni-in-garnet thermometer	1225	1128
21746-262	G10D	1138	50	5.222	0.211	163.2	Ni-in-garnet thermometer	1175	1101
21746-264	G11	1173	50	5.398	0.211	168.7	Ni-in-garnet thermometer	1221	1126
21746-265	G9	1179	50	5.428	0.211	169.6	Ni-in-garnet thermometer	1228	1130
21746-266	G9	1139	50	5.229	0.211	163.4	Ni-in-garnet thermometer	1177	1102
21746-269	G9	1158	50	5.322	0.211	166.3	Ni-in-garnet thermometer	1201	1115
21746-270	G11	1166	50	5.363	0.211	167.6	Ni-in-garnet thermometer	1211	1121
21746-274	G9	1211	50	5.588	0.211	174.6	Ni-in-garnet thermometer	1270	1152
21746-275	G9	812	50	3.553	0.211	111.0	Ni-in-garnet thermometer	774	850
21746-277	G10D	1007	50	4.563	0.211	142.6	Ni-in-garnet thermometer	1010	1005
21746-280	G9	1165	50	5.357	0.211	167.4	Ni-in-garnet thermometer	1210	1120
21746-281	G9	999	50	4.519	0.211	141.2	Ni-in-garnet thermometer	999	998
21746-282	G11	1045	50	4.753	0.211	148.5	Ni-in-garnet thermometer	1057	1033
21746-287	G9	1176	50	5.411	0.211	169.1	Ni-in-garnet thermometer	1224	1127
21746-289	G9	812	50	3.551	0.211	111.0	Ni-in-garnet thermometer	773	850

21746-291	G9	1099	50	5.029	0.211	157.1	Ni-in-garnet thermometer	1126	1073
21746-292	G9	1025	50	4.655	0.211	145.5	Ni-in-garnet thermometer	1032	1019
21746-293	G11	898	50	4.002	0.211	125.1	Ni-in-garnet thermometer	876	920
21746-296	G11	782	50	3.392	0.211	106.0	Ni-in-garnet thermometer	738	825
21746-297	G9	1082	50	4.942	0.211	154.4	Ni-in-garnet thermometer	1104	1061
21746-298	G9	897	50	3.994	0.211	124.8	Ni-in-garnet thermometer	874	919
21746-304	G10D	1049	50	4.771	0.211	149.1	Ni-in-garnet thermometer	1061	1036
21746-305	G9	1142	50	5.245	0.211	163.9	Ni-in-garnet thermometer	1181	1104
21746-310	G10	1102	50	5.044	0.211	157.6	Ni-in-garnet thermometer	1129	1075
21746-311	G11	1144	50	5.255	0.211	164.2	Ni-in-garnet thermometer	1183	1105
21746-312	G10	872	50	3.865	0.211	120.8	Ni-in-garnet thermometer	844	899
21746-313	G9	1107	50	5.066	0.211	158.3	Ni-in-garnet thermometer	1135	1078
21746-314	G11	913	50	4.080	0.211	127.5	Ni-in-garnet thermometer	894	932
21746-317	G9	1065	50	4.855	0.211	151.7	Ni-in-garnet thermometer	1082	1048
21746-321	G9	1118	50	5.123	0.211	160.1	Ni-in-garnet thermometer	1150	1087
21746-324	G9	1192	50	5.492	0.211	171.6	Ni-in-garnet thermometer	1245	1139
21746-326	G9	842	50	3.713	0.211	116.0	Ni-in-garnet thermometer	810	875
21746-327	G9	951	50	4.273	0.211	133.5	Ni-in-garnet thermometer	940	961
21746-330	G9	1154	50	5.304	0.211	165.7	Ni-in-garnet thermometer	1196	1112
21746-331	G9	1062	50	4.839	0.211	151.2	Ni-in-garnet thermometer	1078	1046
21746-333	G9	933	50	4.181	0.211	130.6	Ni-in-garnet thermometer	918	947
21746-334	G9	1105	50	5.056	0.211	158.0	Ni-in-garnet thermometer	1132	1077
21746-335	G9	1025	50	4.653	0.211	145.4	Ni-in-garnet thermometer	1032	1018

Table D.3 Trout Lake grains thermobarometry results

Grain No.	Facies	T (°C)	± 1σ (°C)	P (GPa)	± 1σ (GPa)	Depth (km)	Exchange	T-Ni(°C) [Griffin]	T-Ni(°C) [Canil]
20163-050	grt-peridotite	710	30	3.153	0.230	98.5	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
20163-051	grt-peridotite	701	30	3.030	0.230	94.7	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
20163-058	grt-peridotite	658	30	3.012	0.230	94.1	Cr-in-cpx barometer & enstatite-in-cpx	n/a	n/a
20162-138	grt-peridotite	1228	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-140	grt-peridotite	1005	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-142	grt-peridotite	1325	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-143	grt-peridotite	1114	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-146	grt-peridotite	1166	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-147	grt-peridotite	1169	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-148	grt-peridotite	1195	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-150	grt-peridotite	1030	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-152	grt-peridotite	1350	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-155	grt-peridotite	1104	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-158	grt-peridotite	1211	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-163	grt-peridotite	1251	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-165	grt-peridotite	1183	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-166	grt-peridotite	1051	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20162-171	grt-peridotite	1177	20	n/a	n/a	n/a	Al-in-olivine thermometer	n/a	n/a
20164-002	G9	983	50	n/a	n/a	n/a	Ni-in-garnet thermometer	980	986
20164-003	G9	1057	50	n/a	n/a	n/a	Ni-in-garnet thermometer	1072	1042
20164-004	G9	1000	50	n/a	n/a	n/a	Ni-in-garnet thermometer	1001	999
20164-005	G9	896	50	n/a	n/a	n/a	Ni-in-garnet thermometer	873	918
20164-008	G9	888	50	n/a	n/a	n/a	Ni-in-garnet thermometer	864	912
20164-009	G9	848	50	n/a	n/a	n/a	Ni-in-garnet thermometer	816	880
20164-010	G9	995	50	n/a	n/a	n/a	Ni-in-garnet thermometer	994	995
20164-011	G9	886	50	n/a	n/a	n/a	Ni-in-garnet thermometer	862	911
20164-012	G9	871	50	n/a	n/a	n/a	Ni-in-garnet thermometer	843	898
20164-013	G9	890	50	n/a	n/a	n/a	Ni-in-garnet thermometer	867	914
20164-014	G9	846	50	n/a	n/a	n/a	Ni-in-garnet thermometer	814	878
20164-015	G9	946	50	n/a	n/a	n/a	Ni-in-garnet thermometer	934	958
20164-016	G9	908	50	n/a	n/a	n/a	Ni-in-garnet thermometer	888	928
20164-017	G9	883	50	n/a	n/a	n/a	Ni-in-garnet thermometer	858	908
20164-018	G9	922	50	n/a	n/a	n/a	Ni-in-garnet thermometer	904	939
20164-019	G9	914	50	n/a	n/a	n/a	Ni-in-garnet thermometer	896	933
20164-021	G9	900	50	n/a	n/a	n/a	Ni-in-garnet thermometer	878	922
20164-022	G9	885	50	n/a	n/a	n/a	Ni-in-garnet thermometer	860	909
20164-025	G9	932	50	n/a	n/a	n/a	Ni-in-garnet thermometer	918	947
20164-027	G9	888	50	n/a	n/a	n/a	Ni-in-garnet thermometer	864	912
20164-028	G9	927	50	n/a	n/a	n/a	Ni-in-garnet thermometer	911	943

20164-029	G9	930	50	n/a	n/a	n/a	Ni-in-garnet thermometer	914	945
20164-030	G9	994	50	n/a	n/a	n/a	Ni-in-garnet thermometer	994	995
20164-031	G9	826	50	n/a	n/a	n/a	Ni-in-garnet thermometer	791	862
20164-032	G9	816	50	n/a	n/a	n/a	Ni-in-garnet thermometer	779	854
20164-033	G9	848	50	n/a	n/a	n/a	Ni-in-garnet thermometer	817	880
20164-034	G9	920	50	n/a	n/a	n/a	Ni-in-garnet thermometer	903	938
20164-035	G9	969	50	n/a	n/a	n/a	Ni-in-garnet thermometer	962	975
20164-036	G9	882	50	n/a	n/a	n/a	Ni-in-garnet thermometer	857	907
20164-037	G9	872	50	n/a	n/a	n/a	Ni-in-garnet thermometer	845	899
20164-038	G9	896	50	n/a	n/a	n/a	Ni-in-garnet thermometer	874	919
20164-039	G9	865	50	n/a	n/a	n/a	Ni-in-garnet thermometer	837	894
20164-040	G9	984	50	n/a	n/a	n/a	Ni-in-garnet thermometer	980	987
20164-041	G9	821	50	n/a	n/a	n/a	Ni-in-garnet thermometer	784	858
20164-042	G9	912	50	n/a	n/a	n/a	Ni-in-garnet thermometer	893	931
20164-043	G9	965	50	n/a	n/a	n/a	Ni-in-garnet thermometer	957	972
20164-044	G9	1004	50	n/a	n/a	n/a	Ni-in-garnet thermometer	1005	1002
20164-046	G9	1017	50	n/a	n/a	n/a	Ni-in-garnet thermometer	1021	1012
20164-047	G9	926	50	n/a	n/a	n/a	Ni-in-garnet thermometer	910	942
20164-049	G9	885	50	n/a	n/a	n/a	Ni-in-garnet thermometer	860	910
20164-050	G9	882	50	n/a	n/a	n/a	Ni-in-garnet thermometer	857	908
20164-051	G9	987	50	n/a	n/a	n/a	Ni-in-garnet thermometer	985	989
20164-052	G9	861	50	n/a	n/a	n/a	Ni-in-garnet thermometer	831	890
20164-053	G9	1073	50	n/a	n/a	n/a	Ni-in-garnet thermometer	1092	1054
20164-054	G9	890	50	n/a	n/a	n/a	Ni-in-garnet thermometer	866	914
20164-055	G9	1169	50	n/a	n/a	n/a	Ni-in-garnet thermometer	1216	1123
20164-056	G9	870	50	n/a	n/a	n/a	Ni-in-garnet thermometer	842	897
20164-057	G9	966	50	n/a	n/a	n/a	Ni-in-garnet thermometer	959	973
20164-059	G9	965	50	n/a	n/a	n/a	Ni-in-garnet thermometer	958	973
20164-060	G9	886	50	n/a	n/a	n/a	Ni-in-garnet thermometer	862	911
20164-061	G9	877	50	n/a	n/a	n/a	Ni-in-garnet thermometer	851	904
20164-062	G9	1049	50	n/a	n/a	n/a	Ni-in-garnet thermometer	1062	1036
20164-063	G9	970	50	n/a	n/a	n/a	Ni-in-garnet thermometer	963	976
20164-064	G9	892	50	n/a	n/a	n/a	Ni-in-garnet thermometer	869	915
20164-065	G9	954	50	n/a	n/a	n/a	Ni-in-garnet thermometer	944	964
20164-066	G9	896	50	n/a	n/a	n/a	Ni-in-garnet thermometer	874	919
20164-067	G9	863	50	n/a	n/a	n/a	Ni-in-garnet thermometer	834	892
20164-068	G9	875	50	n/a	n/a	n/a	Ni-in-garnet thermometer	848	902
20164-069	G9	888	50	n/a	n/a	n/a	Ni-in-garnet thermometer	863	912
20164-070	G9	1011	50	n/a	n/a	n/a	Ni-in-garnet thermometer	1014	1008
20164-071	G9	889	50	n/a	n/a	n/a	Ni-in-garnet thermometer	865	913
20164-072	G9	890	50	n/a	n/a	n/a	Ni-in-garnet thermometer	866	914
20164-073	G9	891	50	n/a	n/a	n/a	Ni-in-garnet thermometer	868	915
20164-074	G9	917	50	n/a	n/a	n/a	Ni-in-garnet thermometer	899	935

20164-075	G9	874	50	n/a	n/a	n/a	Ni-in-garnet thermometer	847	901
20164-076	G9	874	50	n/a	n/a	n/a	Ni-in-garnet thermometer	848	901
20164-077	G9	903	50	n/a	n/a	n/a	Ni-in-garnet thermometer	882	924
20164-079	G9	968	50	n/a	n/a	n/a	Ni-in-garnet thermometer	961	975
20164-080	G9	933	50	n/a	n/a	n/a	Ni-in-garnet thermometer	918	948
20164-081	G9	980	50	n/a	n/a	n/a	Ni-in-garnet thermometer	976	984
20164-082	G9	885	50	n/a	n/a	n/a	Ni-in-garnet thermometer	861	910
20164-083	G9	1017	50	n/a	n/a	n/a	Ni-in-garnet thermometer	1022	1013
20164-084	G9	886	50	n/a	n/a	n/a	Ni-in-garnet thermometer	862	911
20164-085	G9	900	50	n/a	n/a	n/a	Ni-in-garnet thermometer	878	922
20164-087	G9	895	50	n/a	n/a	n/a	Ni-in-garnet thermometer	872	918
20164-088	G9	923	50	n/a	n/a	n/a	Ni-in-garnet thermometer	906	940
20164-089	G9	862	50	n/a	n/a	n/a	Ni-in-garnet thermometer	833	892
20164-090	G9	875	50	n/a	n/a	n/a	Ni-in-garnet thermometer	848	902
20164-091	G9	847	50	n/a	n/a	n/a	Ni-in-garnet thermometer	815	879
20164-092	G9	924	50	n/a	n/a	n/a	Ni-in-garnet thermometer	907	941
20164-093	G9	901	50	n/a	n/a	n/a	Ni-in-garnet thermometer	880	923
20164-095	G9	903	50	n/a	n/a	n/a	Ni-in-garnet thermometer	881	924
20164-096	G9	828	50	n/a	n/a	n/a	Ni-in-garnet thermometer	793	863
20164-097	G9	875	50	n/a	n/a	n/a	Ni-in-garnet thermometer	849	902
20164-098	G9	880	50	n/a	n/a	n/a	Ni-in-garnet thermometer	855	906
20164-099	G9	916	50	n/a	n/a	n/a	Ni-in-garnet thermometer	898	935
20164-100	G9	823	50	n/a	n/a	n/a	Ni-in-garnet thermometer	787	859
20164-101	G9	923	50	n/a	n/a	n/a	Ni-in-garnet thermometer	906	940
20164-102	G9	886	50	n/a	n/a	n/a	Ni-in-garnet thermometer	861	910
20164-110	G9	903	50	n/a	n/a	n/a	Ni-in-garnet thermometer	881	924
20164-114	G9	860	50	n/a	n/a	n/a	Ni-in-garnet thermometer	831	890
20164-123	G9	907	50	n/a	n/a	n/a	Ni-in-garnet thermometer	886	927
20164-125	G9	910	50	n/a	n/a	n/a	Ni-in-garnet thermometer	891	930
20164-126	G9	905	50	n/a	n/a	n/a	Ni-in-garnet thermometer	885	926
20164-128	G9	913	50	n/a	n/a	n/a	Ni-in-garnet thermometer	893	932
20164-129	G9	898	50	n/a	n/a	n/a	Ni-in-garnet thermometer	876	920
20164-130	G9	916	50	n/a	n/a	n/a	Ni-in-garnet thermometer	897	934
20164-131	G9	873	50	n/a	n/a	n/a	Ni-in-garnet thermometer	846	900
20164-133	G9	892	50	n/a	n/a	n/a	Ni-in-garnet thermometer	869	915
20164-134	G9	885	50	n/a	n/a	n/a	Ni-in-garnet thermometer	861	910
20164-136	G9	802	50	n/a	n/a	n/a	Ni-in-garnet thermometer	762	842
20164-138	G9	853	50	n/a	n/a	n/a	Ni-in-garnet thermometer	822	884
20164-139	G9	989	50	n/a	n/a	n/a	Ni-in-garnet thermometer	987	991
20164-140	G9	895	50	n/a	n/a	n/a	Ni-in-garnet thermometer	873	918
20164-143	G9	848	50	n/a	n/a	n/a	Ni-in-garnet thermometer	816	880
20164-144	G9	872	50	n/a	n/a	n/a	Ni-in-garnet thermometer	845	899
20164-145	G9	821	50	n/a	n/a	n/a	Ni-in-garnet thermometer	785	858

20164-146	G9	884	50	n/a	n/a	n/a	Ni-in-garnet thermometer	859	909
20164-147	G9	849	50	n/a	n/a	n/a	Ni-in-garnet thermometer	818	881
20164-149	G9	875	50	n/a	n/a	n/a	Ni-in-garnet thermometer	849	902
20164-150	G9	917	50	n/a	n/a	n/a	Ni-in-garnet thermometer	899	935
20164-151	G9	884	50	n/a	n/a	n/a	Ni-in-garnet thermometer	859	909
20164-152	G9	838	50	n/a	n/a	n/a	Ni-in-garnet thermometer	804	872
20164-153	G9	850	50	n/a	n/a	n/a	Ni-in-garnet thermometer	819	882
20164-154	G9	827	50	n/a	n/a	n/a	Ni-in-garnet thermometer	791	862
20164-156	G9	850	50	n/a	n/a	n/a	Ni-in-garnet thermometer	819	881
20164-157	G9	879	50	n/a	n/a	n/a	Ni-in-garnet thermometer	853	905
20164-158	G9	859	50	n/a	n/a	n/a	Ni-in-garnet thermometer	829	889
20164-159	G9	941	50	n/a	n/a	n/a	Ni-in-garnet thermometer	929	954
20164-160	G9	895	50	n/a	n/a	n/a	Ni-in-garnet thermometer	872	918
20164-161	G9	1043	50	n/a	n/a	n/a	Ni-in-garnet thermometer	1055	1032
20164-165	G9	875	50	n/a	n/a	n/a	Ni-in-garnet thermometer	848	901
20164-166	G9	996	50	n/a	n/a	n/a	Ni-in-garnet thermometer	996	996
20164-167	G9	861	50	n/a	n/a	n/a	Ni-in-garnet thermometer	832	890
20164-169	G9	866	50	n/a	n/a	n/a	Ni-in-garnet thermometer	837	894
20164-171	G9	849	50	n/a	n/a	n/a	Ni-in-garnet thermometer	818	881
20164-177	G9	901	50	n/a	n/a	n/a	Ni-in-garnet thermometer	880	923
20164-178	G9	901	50	n/a	n/a	n/a	Ni-in-garnet thermometer	880	923
20164-179	G9	894	50	n/a	n/a	n/a	Ni-in-garnet thermometer	871	917
20164-181	G9	876	50	n/a	n/a	n/a	Ni-in-garnet thermometer	850	903
20164-183	G9	860	50	n/a	n/a	n/a	Ni-in-garnet thermometer	830	889
20164-184	G9	816	50	n/a	n/a	n/a	Ni-in-garnet thermometer	778	854
20164-185	G9	947	50	n/a	n/a	n/a	Ni-in-garnet thermometer	936	959
20164-186	G9	819	50	n/a	n/a	n/a	Ni-in-garnet thermometer	782	856
20164-187	G9	875	50	n/a	n/a	n/a	Ni-in-garnet thermometer	849	902
20164-188	G9	886	50	n/a	n/a	n/a	Ni-in-garnet thermometer	861	910
20164-189	G9	794	50	n/a	n/a	n/a	Ni-in-garnet thermometer	753	835
20164-192	G9	885	50	n/a	n/a	n/a	Ni-in-garnet thermometer	860	909

Table E.1 Runstream using Rstudio for logistic regression analysis of KIM chemistry data used in this research.

After downloading R (version 3.4) and RStudio convert chemical datasets into columns in a CSV and insert a new column for all sheets "GROUP" with either "0" or "1" entered as a binary classifier. Import CSV into R and the follow the below run-stream for LR solutions. Next, take coefficients and multiply by data in each line to generate a line plot (if using Excel). Finally, choose the discriminant and intersection of curves (if needed).

Text input into R	**Description**
> data.lr = glm(data$Group ~ data$lnTiSi + data$lnAlSi + data$lnCrSi + data$lnMnSi + data$lnFeSi + data$lnMgSi + data$lnCaSi + data$lnNaSi, family = binomial(), data = data)	data.lr = whatever you want to call your solution glm = the function data = the generic file name data$Group = your binary classifier, either 0 or 1 by population family = binomial() makes this an LR solution rather than something else data = data -> the second data here is just your CSV file name
> data.lr	View and copy results

Table E.2 Peridotitic garnet chemistry statistical results

Peridotitic garnet populations	**Colour (for Figure)**	**Variable**	**Means**	**Kolmogorov-Smirnov test (normality)**	**Anderson-Darling test (normality)**	**Shapiro-Wilk test (normality)**	**LR coefficients (vs HP)**
Horn Plateau surficial samples	Black (n = 1638)	Intercept					n/a
Sources of data:		lnAlSi	-0.6076099	D = 0.67023, p-value < 2.2e-16	A = 5.714, p-value = 4.49e-14	W = 0.97795, p-value = 3.571e-15	n/a
Day et al. (2007)		lnCaSi	-1.932036	D = 0.92453, p-value < 2.2e-16	A = 38.339, p-value < 2.2e-16	W = 0.82824, p-value < 2.2e-16	n/a
Mills (2008)		lnCrSi	-2.189479	D = 0.92299, p-value < 2.2e-16	A = 10.201, p-value < 2.2e-16	W = 0.97248, p-value < 2.2e-16	n/a
		lnFeSi	-1.902283	D = 0.93577, p-value < 2.2e-16	A = 21.509, p-value < 2.2e-16	W = 0.78322, p-value < 2.2e-16	n/a
		lnMgSi	-0.3696465	D = 0.58547, p-value < 2.2e-16	A = 407.63, p-value < 2.2e-16	W = 0.11736, p-value < 2.2e-16	n/a
		lnMnSi	-4.836442	D = 0.99934, p-value < 2.2e-16	A = 12.556, p-value < 2.2e-16	W = 0.94839, p-value < 2.2e-16	n/a
		lnTiSi	-5.971125	D = 0.99976, p-value < 2.2e-16	A = 40.356, p-value < 2.2e-16	W = 0.92873, p-value < 2.2e-16	n/a
W Slave Craton surficial samples	Red (n = 4786)	Intercept					-21.41385
Sources of data:		lnAlSi	-0.6169599	D = 0.67009, p-value < 2.2e-16	A = 14.974, p-value < 2.2e-16	W = 0.98063, p-value < 2.2e-16	**-15.60436**
NTGS GoData KIMC		lnCaSi	-1.985564	D = 0.93578, p-value < 2.2e-16	A = 148.74, p-value < 2.2e-16	W = 0.82675, p-value < 2.2e-16	-1.67543
		lnCrSi	-2.215219	D = 0.92989, p-value < 2.2e-16	A = 17.882, p-value < 2.2e-16	W = 0.98354, p-value < 2.2e-16	-3.16157
		lnFeSi	-1.933239	D = 0.94062, p-value < 2.2e-16	A = 139.07, p-value < 2.2e-16	W = 0.68882, p-value < 2.2e-16	-2.13889
		lnMgSi	-0.3590666	D = 0.58901, p-value < 2.2e-16	A = 896.2, p-value < 2.2e-16	W = 0.1471, p-value < 2.2e-16	0.32679
		lnMnSi	-4.877611	D = 0.99935, p-value < 2.2e-16	A = 32.872, p-value < 2.2e-16	W = 0.94735, p-value < 2.2e-16	-0.03215
		lnTiSi	-5.770336	D = 0.99989, p-value < 2.2e-16	A = 126.82, p-value < 2.2e-16	W = 0.91224, p-value < 2.2e-16	-0.02796
W Slave Craton kimberlites	Brown (n = 175)	Intercept					-3.0888
Sources of data:		lnAlSi	-0.6637543	D = 0.67975, p-value < 2.2e-16	A = 1.6056, p-value = 0.0003842	W = 0.97313, p-value = 0.001819	**-31.9253**
Griffin et al. (2004)		lnCaSi	-1.942777	D = 0.93926, p-value < 2.2e-16	A = 1.5718, p-value = 0.0004655	W = 0.92092, p-value = 3.83e-08	5.1511
		lnCrSi	-2.122417	D = 0.92034, p-value < 2.2e-16	A = 2.4624, p-value = 3.015e-06	W = 0.9342, p-value = 3.617e-07	-5.1139

		lnFeSi	-1.900543	D = 0.9209, p-value < 2.2e-16	A = 4.4702, p-value = 3.918e-11	W = 0.89393, p-value = 7.417e-10	13.1684
		lnMgSi	-0.3396343	D = 0.58174, p-value < 2.2e-16	A = 1.5566, p-value = 0.0005075	W = 0.96508, p-value = 0.0002267	-2.4316
		lnMnSi	-5.116269	D = 0.99999, p-value < 2.2e-16	A = 0.6467, p-value = 0.09012	W = 0.97494, p-value = 0.00299	37.4427
		lnTiSi	-6.241771	D = 0.99997, p-value < 2.2e-16	A = 2.4932, p-value = 2.534e-06	W = 0.94875, p-value = 5.835e-06	-0.9275
C Slave Craton surficial samples	Green (n = 66437)	Intercept					-46.4603
Sources of data:		lnAlSi	-0.6287416	D = 0.67924, p-value < 2.2e-16	A = 243.63, p-value < 2.2e-16	n/a (too large of sample size)	**-35.4017**
NTGS GoData KIMC		lnCaSi	-2.042787	D = 0.9367, p-value < 2.2e-16	A = 2514.3, p-value < 2.2e-16	n/a (too large of sample size)	-3.5832
		lnCrSi	-2.315381	D = 0.93448, p-value < 2.2e-16	A = 741.73, p-value < 2.2e-16	n/a (too large of sample size)	-6.5217
		lnFeSi	-1.974084	D = 0.93581, p-value < 2.2e-16	A = 4872.9, p-value < 2.2e-16	n/a (too large of sample size)	-1.8945
		lnMgSi	-0.3492513	D = 0.58843, p-value < 2.2e-16	A = 11623, p-value < 2.2e-16	n/a (too large of sample size)	-0.2298
		lnMnSi	-4.955147	D = 0.9987, p-value < 2.2e-16	A = 255.13, p-value < 2.2e-16	n/a (too large of sample size)	-1.4403
		lnTiSi	-5.783347	D = 0.99958, p-value < 2.2e-16	A = 1354.7, p-value < 2.2e-16	n/a (too large of sample size)	-0.1973
C Slave Craton kimberlites	Pink (n = 1132)	Intercept					-46.4103
Sources of data:		lnAlSi	-0.6227588	D = 0.65774, p-value < 2.2e-16	A = 5.1293, p-value = 1.119e-12	W = 0.9688, p-value = 4.17e-15	**-31.019**
Aulbach et al. (2007, 2011)		lnCaSi	-2.01664	D = 0.92742, p-value < 2.2e-16	A = 26.172, p-value < 2.2e-16	W = 0.8777, p-value < 2.2e-16	-0.6162
Creighton (2009)		lnCrSi	-2.283545	D = 0.90885, p-value < 2.2e-16	A = 78.554, p-value < 2.2e-16	W = 0.66584, p-value < 2.2e-16	-6.1795
Creighton et al. (2009)		lnFeSi	-1.890602	D = 0.90576, p-value < 2.2e-16	A = 90.253, p-value < 2.2e-16	W = 0.66862, p-value < 2.2e-16	0.4727
Griffin et al. (2004)		lnMgSi	-0.3471059	D = 0.58048, p-value < 2.2e-16	A = 16.075, p-value < 2.2e-16	W = 0.90786, p-value < 2.2e-16	-1.0209
Menzies et al. (2004)		lnMnSi	-5.016608	D = 0.99996, p-value < 2.2e-16	A = 145.62, p-value < 2.2e-16	W = 0.55558, p-value < 2.2e-16	3.0903
Pearson et al. (1979)		lnTiSi	-7.367758	D = 0.99998, p-value < 2.2e-16	A = 221.13, p-value < 2.2e-16	W = 0.62738, p-value < 2.2e-16	-1.3863

Figures F.1 Horn Plateau diamond photos and SEM images

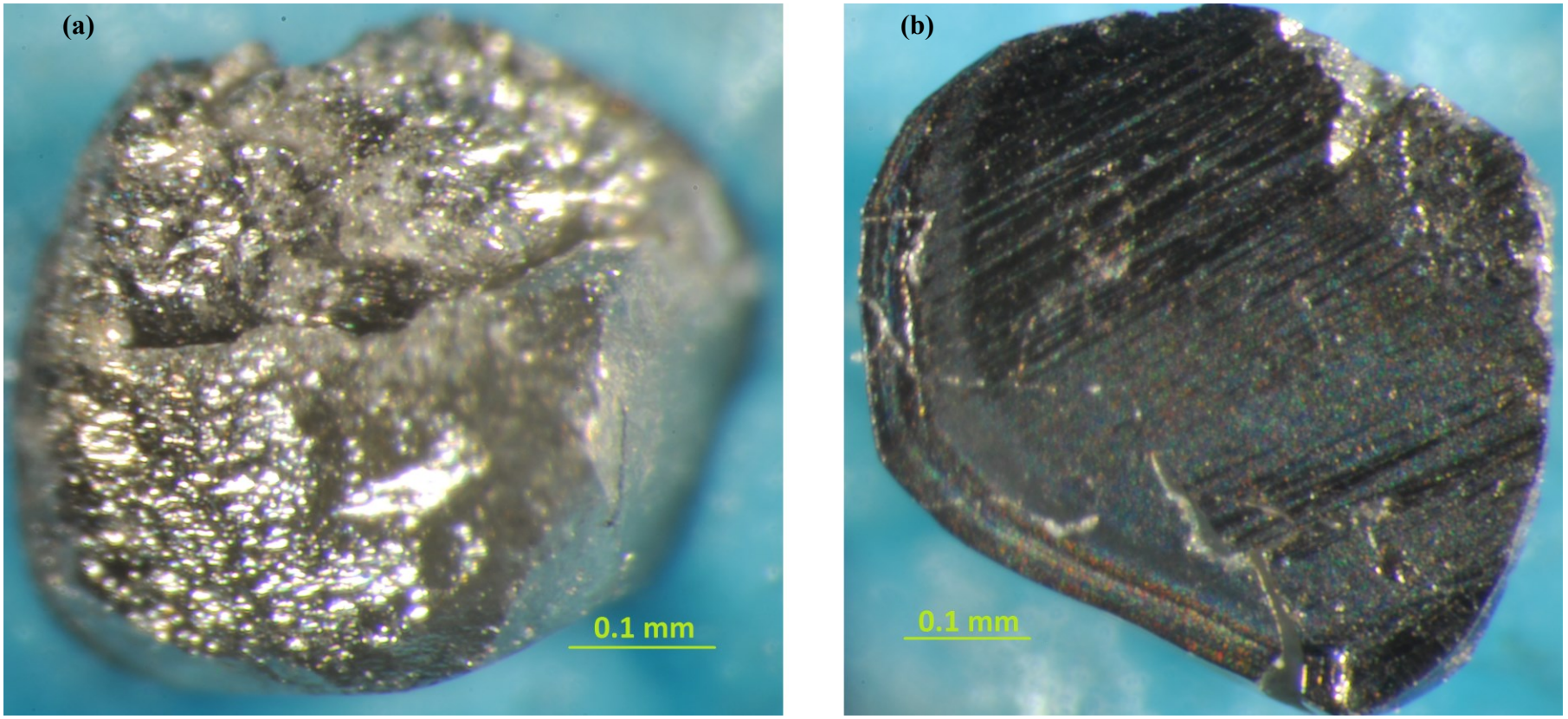
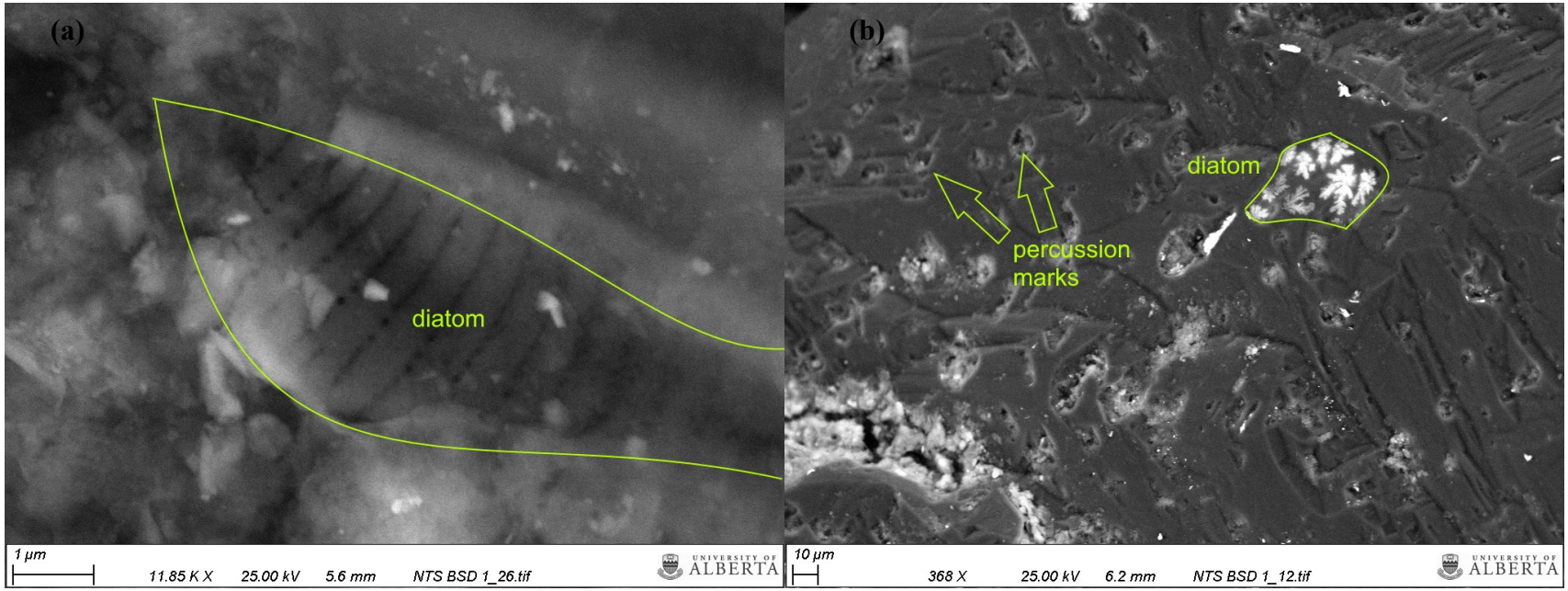
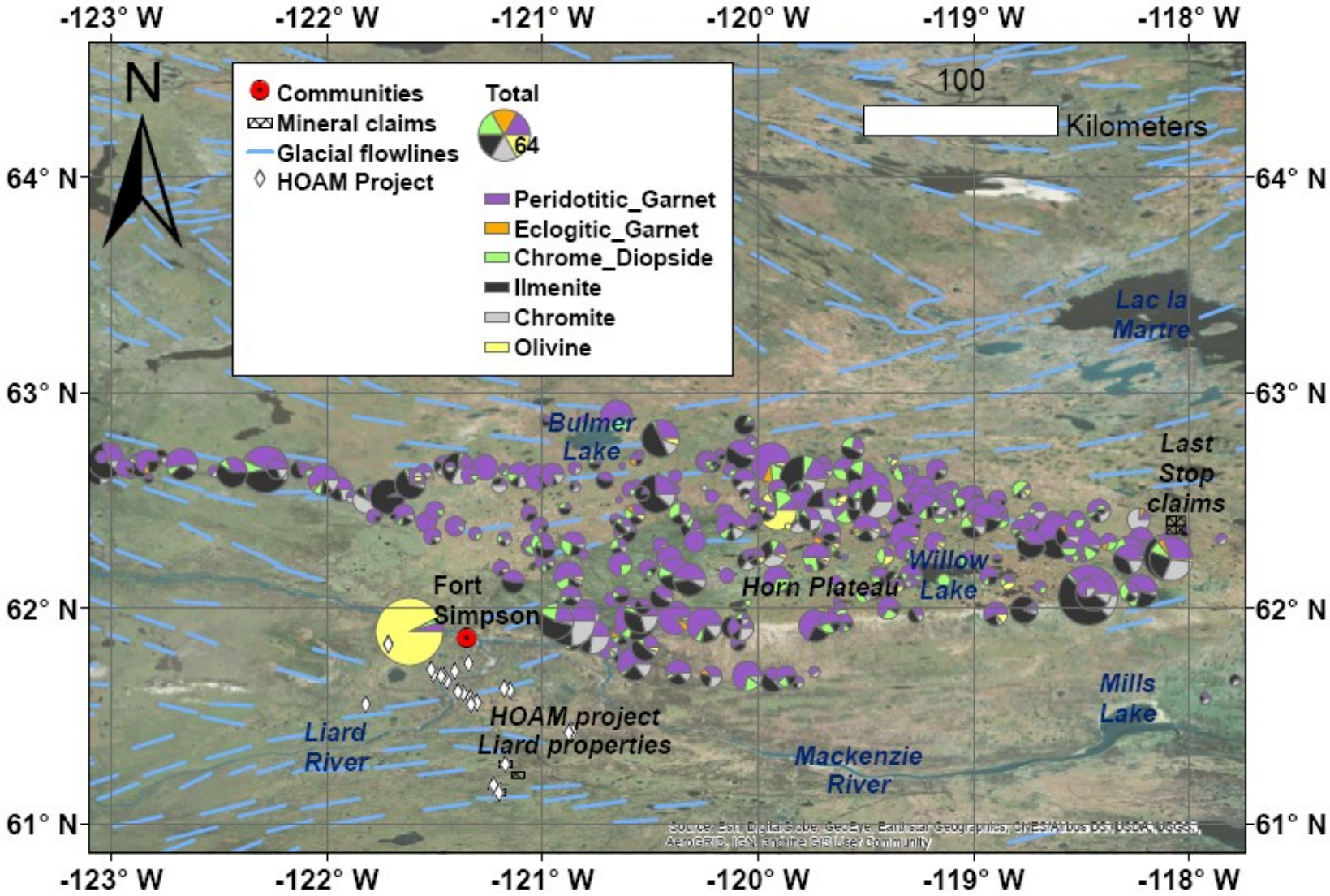


Photo under binocular microscope of diamond. **(a)** un-cut rough face of diamond **(b)** cut slab of diamond confirming fibrous nature.

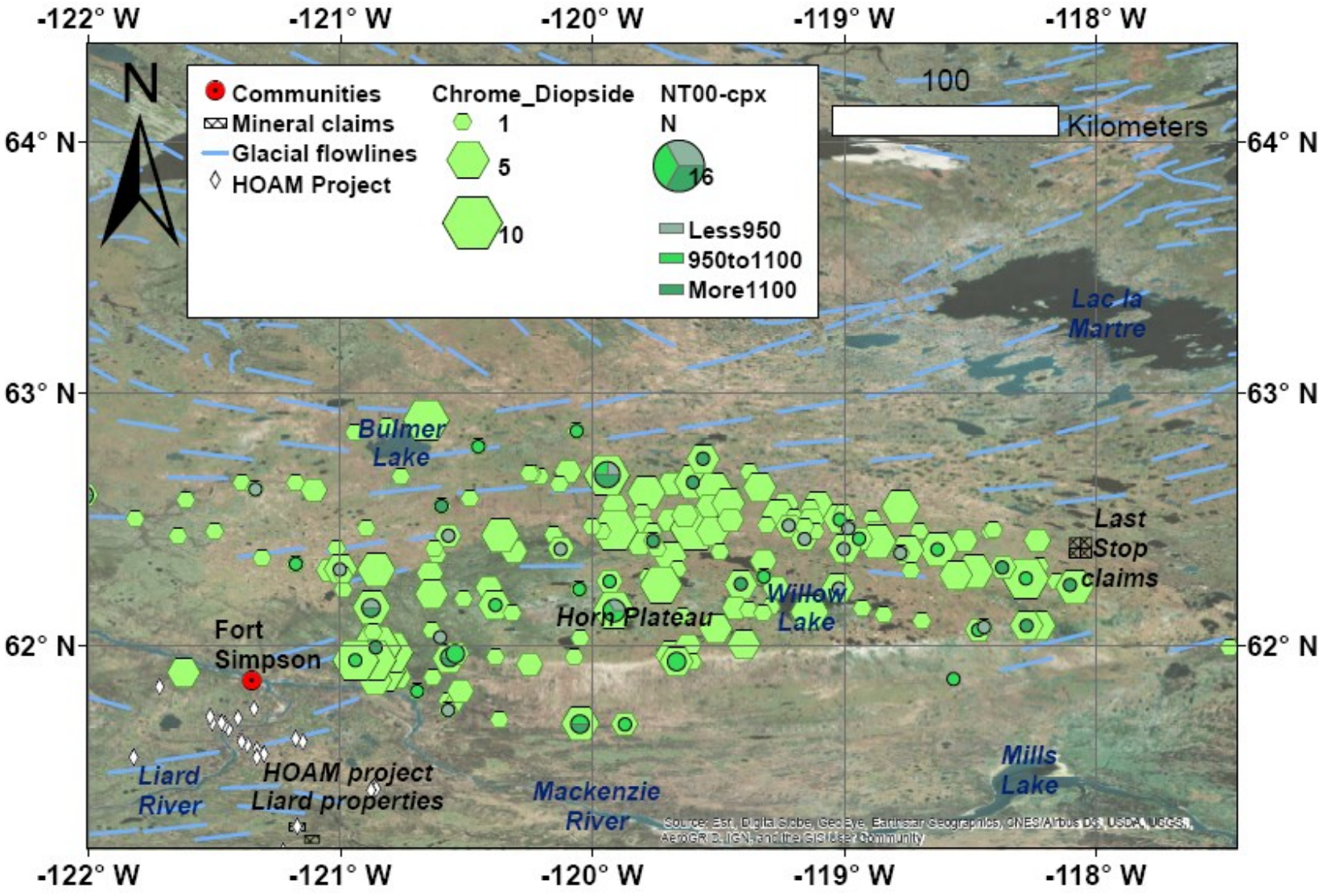


BSE images displaying two different species of diatoms and percussion marks on the face of various parts of the diamond.

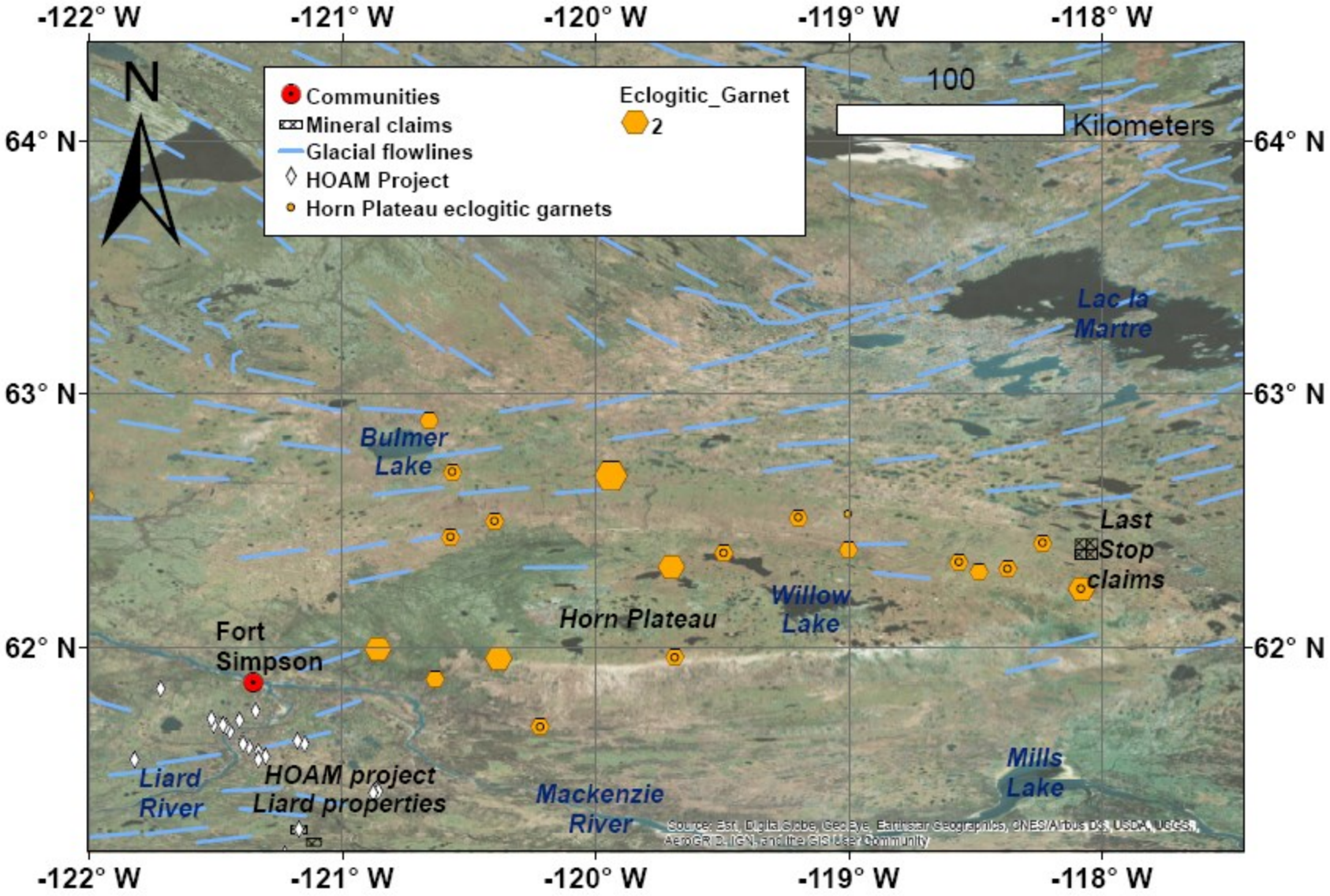
Figures G.1 Horn Plateau samples KIM maps



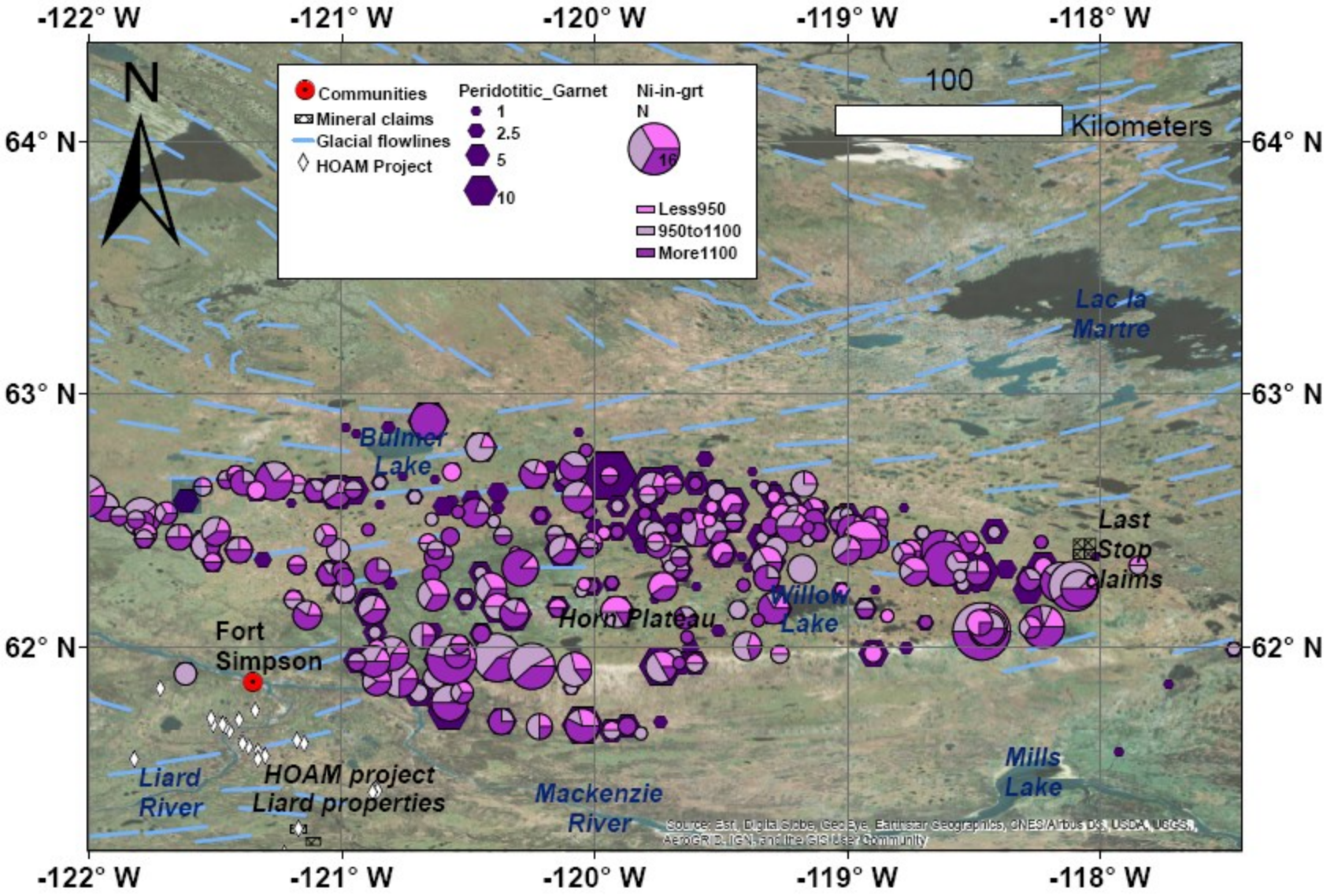
Picked potential KIMs from Horn Plateau samples. Size represents total of KIMs per sample.



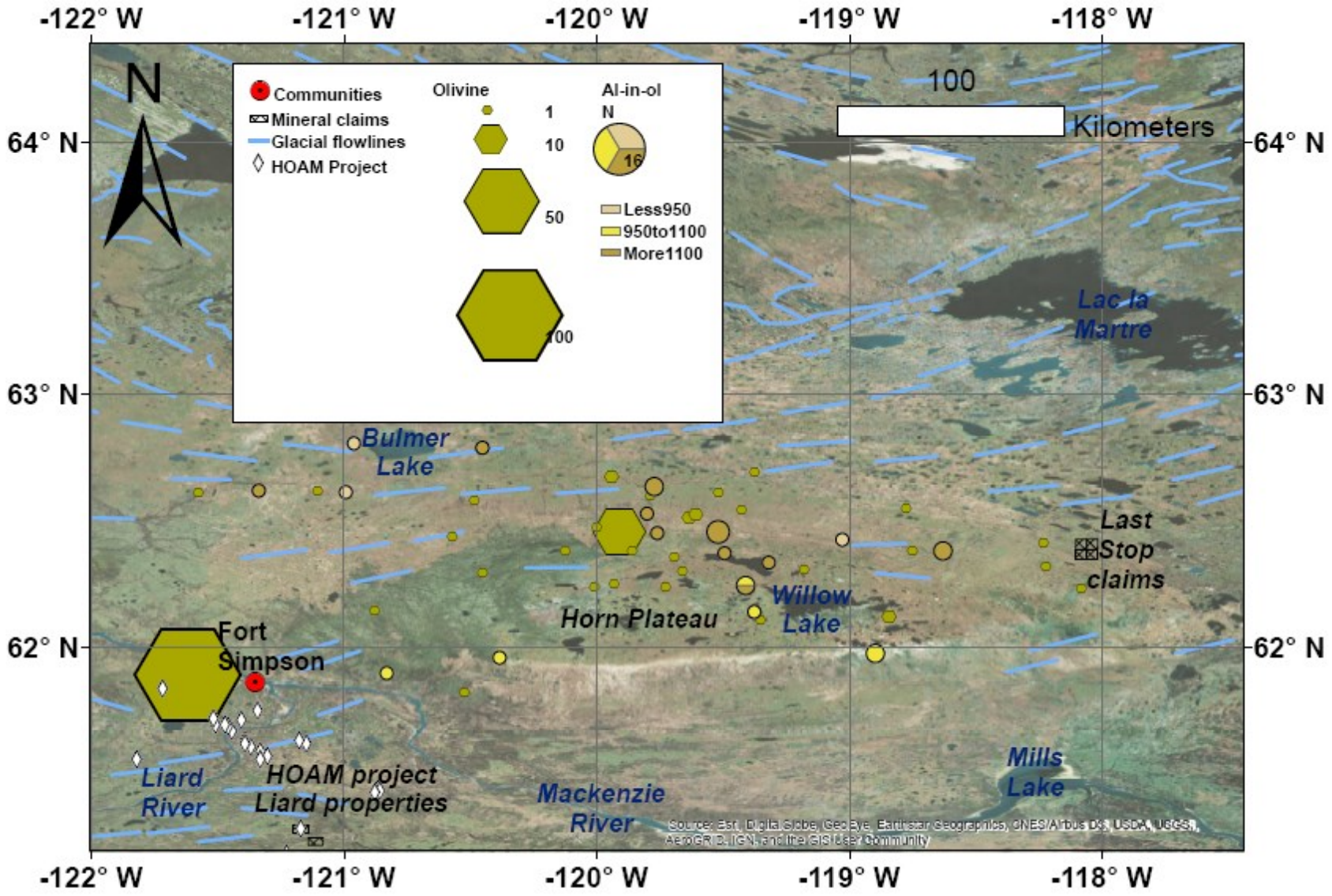
Picked (hexagons) and chemically verified Cr-diopsides from Horn Plateau samples. See text for discussion.



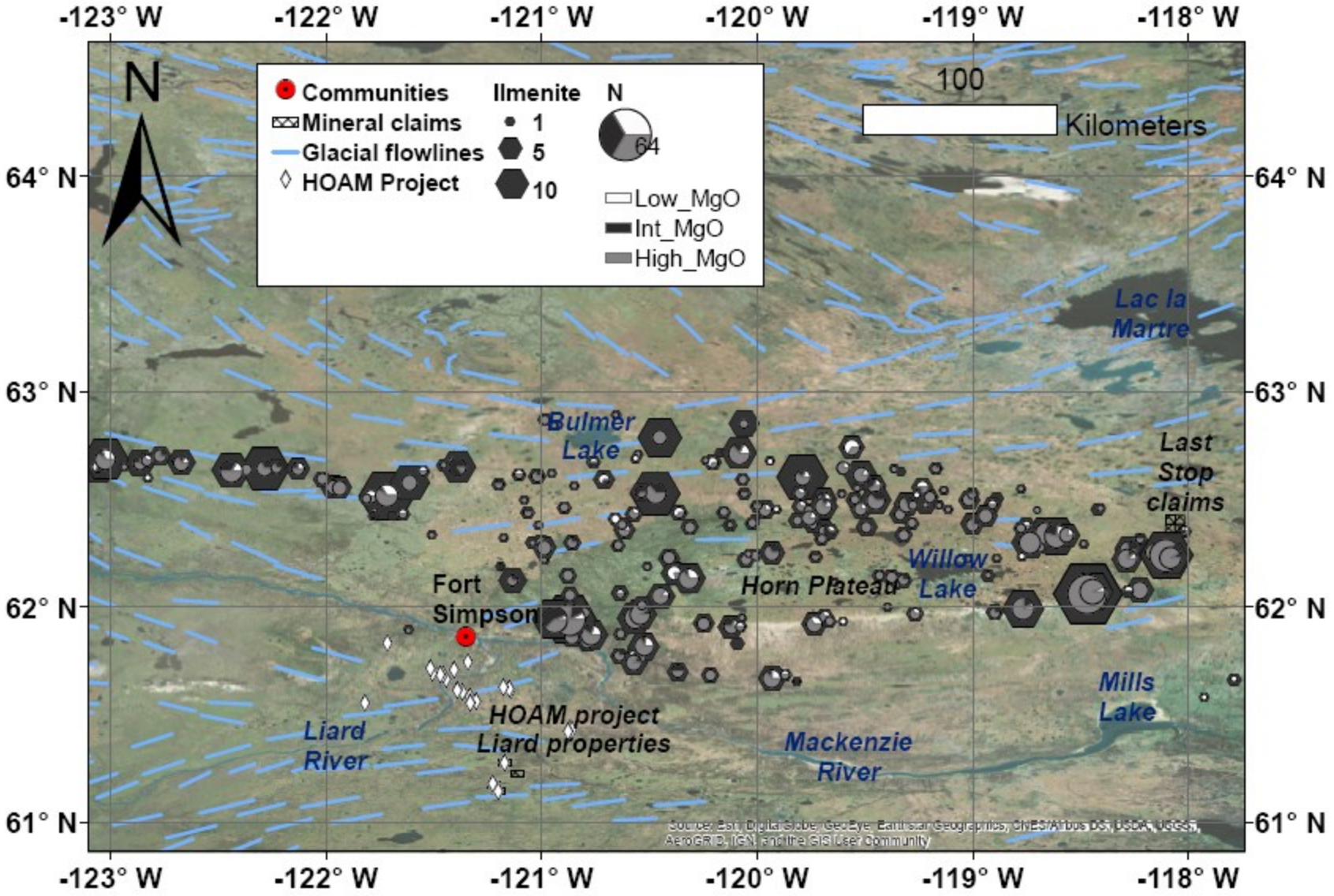
Picked (hexagons) and chemically/statistically verified eclogitic garnets (circles) from Horn Plateau samples. See text for discussion.



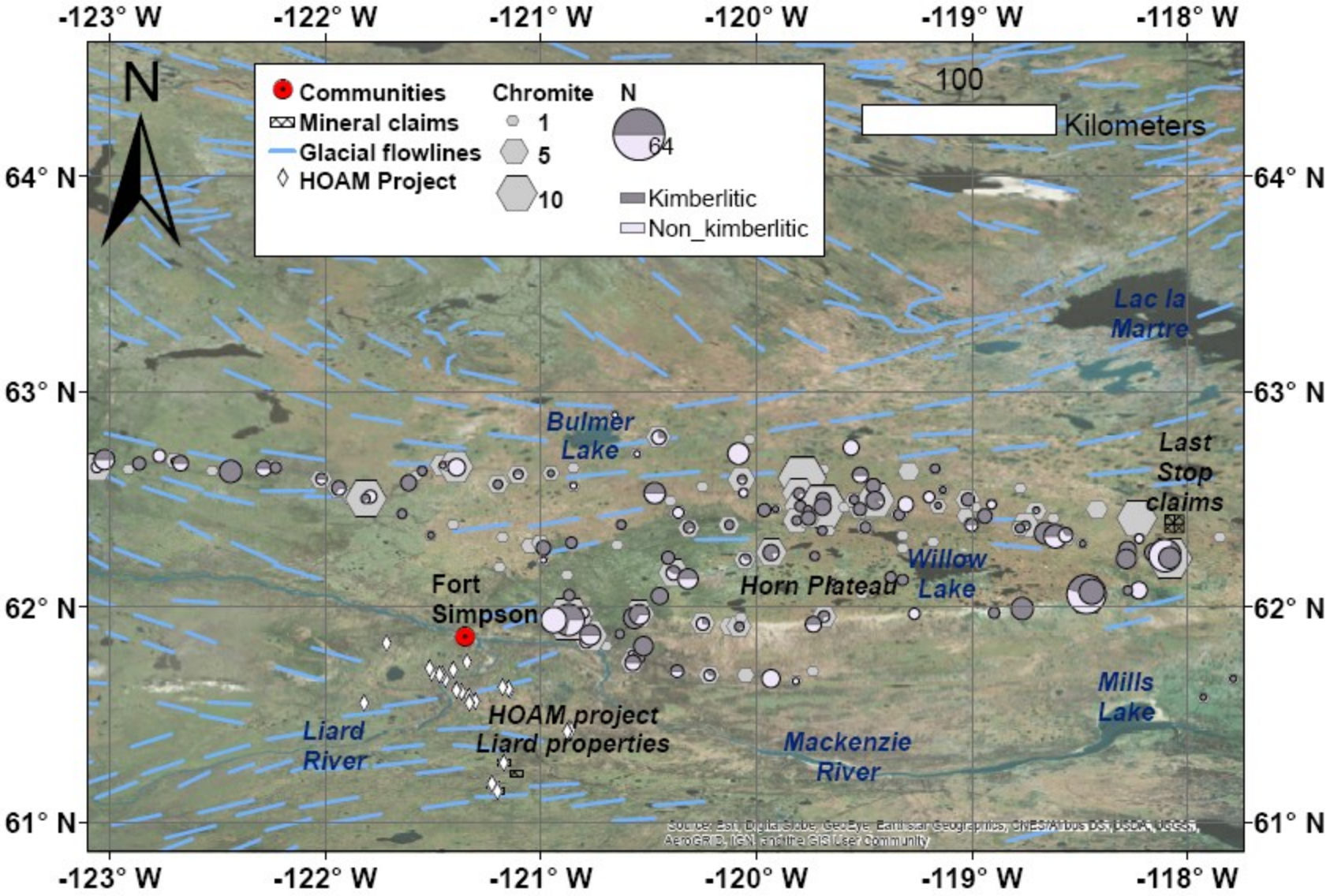
Picked (hexagons) and chemically verified peridotitic garnets from Horn Plateau samples. See text for discussion.



Picked (hexagons) and chemically verified garnet-peridotite xenocryst olivine from Horn Plateau samples. See text for discussion.

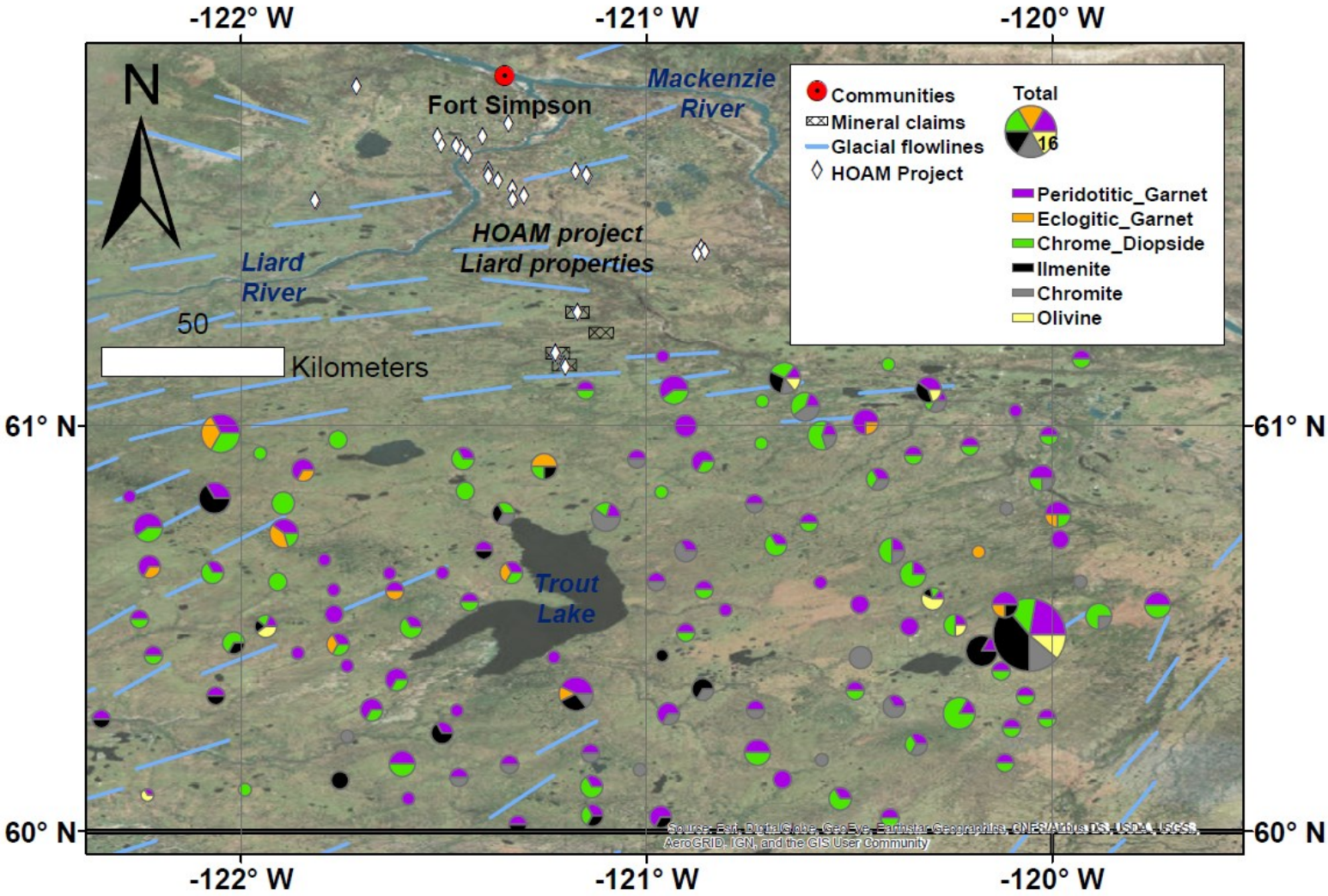


Picked (hexagons) and chemically verified kimberlitic (Mg-)ilmenite from Horn Plateau samples. Low MgO < 8 wt%, Int MgO = 8-10 wt%, high MgO > 10 wt%. See text for discussion.



Picked (hexagons) and chemically verified kimberlite-related (pheno- and xeno-cryst) spinel from Horn Plateau samples. See text for discussion.

Figures G.2 Trout Lake samples KIM maps



Picked potential KIMs from Troue Lake till samples. Size represents total of KIMs per sample. Note largest KIM count sample is stream sediment (in bottom right).

Table H.1 Rutile EPMA results

Locality	SampleID	Grain No.	Nb2O5	SiO2	TiO2	ZrO2	Al2O3	Cr2O3	V2O3	Fe2O3	MnO	MgO	CaO	ZnO	Total
Horn Plateau	095I_2003_2015	17966-001	1.13	0.00	98.70	nd	0.18	0.11	0.66	0.25	0.02	0.01	0.01	0.01	101.09
Horn Plateau	095I_2003_2076	17966-147	1.82	0.07	95.73	nd	0.17	0.01	0.43	0.96	0.01	0.01	0.00	0.01	99.24
Horn Plateau	095J_2003_1019	17967-114	1.42	0.06	98.09	nd	0.11	0.15	0.80	0.35	0.01	0.03	0.03	0.01	101.05
Horn Plateau	085L_2005_1103	21737-098	1.09	0.00	98.56	nd	0.09	0.16	0.70	0.41	0.01	0.01	0.01	0.01	101.04
Trout Lake	TL-08-032	20161-020	nd	0.01	94.64	nd	0.03	0.06	0.27	1.50	0.01	0.01	0.01	nd	96.55
Trout Lake	TL-08-034	20166-001	0.28	0.01	98.38	0.10	0.01	0.10	0.01	0.45	0.01	0.01	0.01	0.01	99.37
Trout Lake	TL-08-036	20166-002	0.93	0.01	96.43	0.15	0.05	0.24	0.01	0.88	0.01	0.07	0.01	0.01	98.80
Trout Lake	TL-08-036	20166-003	0.35	0.01	97.39	0.03	0.01	0.20	0.01	0.73	0.01	0.01	0.01	0.01	98.75
Trout Lake	TL-08-069	20166-004	0.34	0.01	97.66	0.07	0.01	0.22	0.01	0.31	0.01	0.04	0.01	0.01	98.70
Trout Lake	TL-08-069	20166-005	0.27	0.01	96.57	0.05	0.01	0.04	0.01	0.89	0.01	0.01	0.01	0.01	97.89
Trout Lake	TL-08-093	20166-006	0.37	0.01	98.53	0.14	0.01	0.04	0.01	0.35	0.01	0.01	0.01	0.01	99.51
Trout Lake	TL-08-093	20166-007	0.27	0.01	98.36	0.01	0.03	0.15	0.01	0.36	0.01	0.01	0.02	0.01	99.26
Trout Lake	TL-08-088	20166-008	0.32	0.01	99.62	0.01	0.01	0.01	0.01	0.41	0.01	0.05	0.01	0.01	100.48
Trout Lake	TL-08-088	20166-009	0.28	0.01	98.57	0.17	0.01	0.09	0.01	0.26	0.01	0.01	0.01	0.01	99.44
Trout Lake	TL-08-088	20166-010	0.36	0.02	98.33	0.46	0.06	0.13	0.01	0.28	0.01	0.01	0.01	0.01	99.69
Trout Lake	TL-08-088	20166-011	0.74	0.02	98.09	0.04	0.04	0.01	0.01	0.73	0.01	0.01	0.01	0.01	99.71
Trout Lake	TL-08-088	20166-012	0.35	0.01	99.04	0.16	0.01	0.14	0.01	0.30	0.01	0.01	0.01	0.01	100.06
Trout Lake	TL-08-046	20166-013	0.07	0.01	98.65	0.01	0.01	0.08	0.01	0.72	0.01	0.01	0.01	0.01	99.60
Trout Lake	TL-08-009	20166-014	0.10	0.01	100.02	0.01	0.01	0.06	0.01	0.21	0.01	0.01	0.01	0.01	100.46
Trout Lake	TL-08-009	20166-015	0.45	0.01	97.58	0.14	0.01	0.37	0.01	0.62	0.01	0.01	0.01	0.01	99.22
Trout Lake	TL-08-009	20166-016	0.77	0.01	98.09	0.04	0.01	0.12	0.01	0.50	0.01	0.03	0.01	0.01	99.61
Trout Lake	TL-08-009	20166-017	0.31	0.13	98.39	0.31	0.01	0.07	0.01	0.22	0.01	0.01	0.01	0.01	99.50
Trout Lake	TL-08-008	20166-018	0.01	0.01	99.40	0.01	0.01	0.01	0.01	0.49	0.01	0.05	0.01	0.01	100.03

Trout Lake	TL-08-090	20166-019	0.01	0.01	99.04	0.01	0.01	0.04	0.01	0.53	0.01	0.04	0.01	0.01	99.73
Trout Lake	TL-08-095	20166-020	0.08	0.02	98.94	0.22	0.01	0.12	0.01	0.14	0.01	0.04	0.01	0.01	99.61
Trout Lake	TL-08-095	20166-021	0.16	0.01	98.61	0.54	0.01	0.18	0.04	0.15	0.01	0.04	0.01	0.01	99.78
Trout Lake	TL-08-010	20166-022	0.25	0.01	98.24	0.21	0.05	0.10	0.34	0.19	0.01	0.01	0.01	0.01	99.42
Trout Lake	TL-08-018	20166-023	0.26	0.05	97.88	0.01	0.01	0.91	0.04	0.06	0.01	0.01	0.07	0.01	99.31
Trout Lake	TL-08-031	20166-024	0.21	0.01	98.87	0.03	0.01	0.02	0.01	0.32	0.01	0.02	0.01	0.01	99.54
Trout Lake	TL-08-031	20166-025	0.55	0.01	97.81	0.04	0.01	0.04	0.01	0.75	0.01	0.01	0.01	0.01	99.26
Trout Lake	TL-08-019	20166-026	0.47	0.01	97.93	0.16	0.08	0.19	0.01	0.65	0.01	0.01	0.01	0.01	99.54
Trout Lake	TL-08-019	20166-027	0.30	0.03	97.39	0.03	0.04	0.84	0.01	0.97	0.01	0.04	0.01	0.01	99.69
Trout Lake	TL-08-022	20166-028	0.11	0.01	99.18	0.01	0.03	0.08	0.01	0.21	0.01	0.08	0.01	0.01	99.76
Trout Lake	TL-08-022	20166-029	0.24	0.01	98.51	0.03	0.04	0.26	0.01	0.09	0.01	0.04	0.01	0.01	99.27
Trout Lake	TL-08-022	20166-030	0.39	0.01	98.74	0.11	0.01	0.02	0.01	0.57	0.01	0.03	0.01	0.01	99.93
Trout Lake	TL-08-021	20166-031	0.33	0.01	98.09	0.24	0.06	0.01	0.01	0.67	0.01	0.01	0.01	0.01	99.45
Trout Lake	TL-08-021	20166-032	0.48	0.01	98.11	0.24	0.01	0.29	0.01	0.46	0.01	0.01	0.01	0.01	99.65
Trout Lake	TL-08-035	20166-033	0.07	0.01	99.00	0.38	0.04	0.04	0.01	0.24	0.01	0.01	0.01	0.01	99.82
Trout Lake	TL-08-035	20166-034	0.03	0.01	99.32	0.01	0.01	0.05	0.01	0.31	0.01	0.03	0.01	0.01	99.81
Trout Lake	TL-08-035	20166-035	0.06	0.02	97.75	0.03	0.04	1.07	0.01	0.27	0.01	0.01	0.01	0.01	99.29
Trout Lake	TL-08-035	20166-036	0.10	0.01	98.20	0.01	0.01	0.10	0.01	1.78	0.01	0.01	0.01	0.01	100.25
Trout Lake	TL-08-092	20166-037	0.22	0.02	99.31	0.11	0.02	0.12	0.01	0.26	0.01	0.05	0.01	0.01	100.13
Trout Lake	TL-08-092	20166-038	0.39	0.01	98.05	0.01	0.01	0.34	0.01	0.36	0.01	0.06	0.01	0.01	99.27
Trout Lake	TL-08-086	20166-039	0.21	0.01	99.22	0.06	0.01	0.11	0.01	0.17	0.01	0.01	0.01	0.01	99.83
Trout Lake	TL-08-089	20166-040	0.03	0.01	99.23	0.01	0.04	0.22	0.01	0.29	0.01	0.01	0.01	0.01	99.88
Trout Lake	TL-08-084	20166-041	0.52	0.01	98.04	0.37	0.01	0.19	0.01	0.48	0.01	0.02	0.01	0.01	99.68
Trout Lake	TL-08-084	20166-042	0.58	0.01	98.36	0.08	0.01	0.01	0.01	0.51	0.01	0.01	0.01	0.01	99.61
Trout Lake	TL-08-084	20166-043	0.01	0.01	99.48	0.01	0.01	0.34	0.01	0.06	0.01	0.01	0.01	0.02	99.99

Trout Lake	TL-08-082	20166-044	0.43	0.01	98.62	0.04	0.01	0.26	0.01	0.45	0.01	0.01	0.01	0.01	99.87
Trout Lake	TL-08-045	20166-045	0.07	0.01	98.24	0.01	0.01	0.03	0.01	0.66	0.01	0.03	0.01	0.01	99.10
Trout Lake	TL-08-081	20166-046	1.13	0.01	97.37	0.24	0.03	0.12	0.01	0.76	0.01	0.01	0.01	0.01	99.71
Trout Lake	TL-08-081	20166-047	0.95	0.02	97.76	0.06	0.04	0.08	0.01	0.57	0.01	0.01	0.01	0.01	99.53
Trout Lake	TL-08-041	20166-048	0.68	0.03	98.26	0.01	0.08	0.07	0.01	0.58	0.01	0.05	0.01	0.01	99.79
Trout Lake	TL-08-007	20166-049	0.55	0.01	98.09	0.01	0.06	0.09	0.01	0.47	0.01	0.01	0.01	0.01	99.33
Trout Lake	TL-08-007	20166-050	0.65	0.01	98.20	0.04	0.02	0.15	0.01	0.58	0.01	0.01	0.01	0.01	99.71
Trout Lake	TL-08-007	20166-051	0.20	0.01	99.07	0.01	0.02	0.03	0.01	0.49	0.01	0.02	0.01	0.01	99.89
Trout Lake	TL-08-007	20166-052	0.36	0.01	98.98	0.06	0.04	0.13	0.01	0.47	0.01	0.01	0.01	0.01	100.11
Trout Lake	TL-08-083	20166-053	0.88	0.01	97.72	0.13	0.07	0.19	0.01	0.63	0.01	0.03	0.01	0.01	99.69
Trout Lake	TL-08-083	20166-054	0.40	0.01	98.29	0.03	0.01	0.03	0.01	0.76	0.01	0.06	0.02	0.01	99.65
Trout Lake	TL-08-083	20166-055	0.46	0.01	97.35	0.26	0.01	0.09	0.01	0.32	0.01	0.01	0.01	0.01	98.55
Trout Lake	TL-08-083	20166-056	0.35	0.01	97.47	0.15	0.01	0.06	0.01	1.81	0.01	0.01	0.01	0.01	99.91
Trout Lake	TL-08-083	20166-057	1.15	0.01	96.84	0.01	0.01	0.10	0.01	1.26	0.01	0.02	0.01	0.01	99.44
Trout Lake	TL-08-039	20166-058	1.86	0.01	95.42	0.12	0.01	0.01	0.01	1.61	0.01	0.05	0.01	0.01	99.13
Trout Lake	TL-08-037	20166-059	0.36	0.01	98.63	0.18	0.01	0.09	0.01	0.55	0.01	0.01	0.01	0.01	99.88
Trout Lake	TL-08-037	20166-060	0.37	0.01	98.55	0.03	0.01	0.16	0.01	0.32	0.01	0.01	0.01	0.01	99.50
Trout Lake	TL-08-038	20166-061	0.70	0.01	98.21	0.07	0.10	0.11	0.01	0.26	0.01	0.01	0.01	0.01	99.51
Trout Lake	TL-08-038	20166-062	0.55	0.02	97.80	0.06	0.01	0.08	0.01	0.84	0.01	0.01	0.02	0.01	99.40
Trout Lake	TL-08-023	20166-063	0.61	0.01	97.26	0.01	0.06	0.28	0.01	0.80	0.01	0.01	0.01	0.01	99.07
Trout Lake	TL-08-005	20166-064	0.56	0.02	97.68	0.10	0.01	0.31	0.01	0.60	0.01	0.01	0.01	0.01	99.32
Trout Lake	TL-08-043	20166-065	0.34	0.01	98.69	0.04	0.03	0.08	0.01	0.82	0.01	0.04	0.01	0.01	100.09
Trout Lake	TL-08-025	20166-066	0.39	0.01	99.16	0.08	0.01	0.06	0.01	0.41	0.01	0.01	0.01	0.01	100.16
Trout Lake	TL-08-025	20166-067	0.17	0.02	99.29	0.05	0.06	0.14	0.01	0.14	0.01	0.04	0.01	0.01	99.95
Trout Lake	TL-08-070	20166-068	0.16	0.01	98.57	0.11	0.01	0.86	0.01	0.04	0.01	0.03	0.01	0.01	99.82

Trout Lake	TL-08-078	20166-069	0.29	0.01	98.75	0.12	0.01	0.66	0.01	0.01	0.01	0.01	0.01	0.01	99.90
Trout Lake	TL-08-078	20166-070	0.16	0.02	99.19	0.05	0.02	0.38	0.01	0.03	0.01	0.01	0.02	0.01	99.91
Trout Lake	TL-08-124	20166-071	0.30	0.01	98.35	0.01	0.01	0.04	0.01	0.78	0.01	0.04	0.01	0.01	99.57
Trout Lake	TL-08-125	20166-072	0.48	0.01	97.41	0.10	0.01	0.41	0.01	0.83	0.01	0.01	0.01	0.01	99.31
Trout Lake	TL-08-125	20166-073	0.36	0.01	98.41	0.23	0.03	0.35	0.01	0.21	0.01	0.01	0.01	0.01	99.66
Trout Lake	TL-08-125	20166-074	0.44	0.01	97.61	0.01	0.04	0.03	0.01	1.20	0.01	0.01	0.01	0.01	99.39
Trout Lake	TL-08-125	20166-075	0.24	0.01	98.50	0.24	0.06	0.17	0.01	0.24	0.01	0.04	0.01	0.01	99.53
Trout Lake	TL-08-125	20166-076	0.31	0.01	99.06	0.03	0.04	0.09	0.01	0.29	0.01	0.01	0.01	0.01	99.87
Trout Lake	TL-08-125	20166-077	1.11	0.01	97.68	0.09	0.07	0.01	0.01	0.79	0.01	0.03	0.01	0.01	99.83
Trout Lake	TL-08-125	20166-078	0.20	0.01	99.01	0.05	0.01	0.10	0.01	0.42	0.01	0.01	0.01	0.01	99.87
Trout Lake	TL-08-125	20166-079	1.93	0.03	96.62	0.01	0.01	0.20	0.01	0.92	0.01	0.01	0.01	0.01	99.77
Trout Lake	TL-08-125	20166-080	0.54	0.01	98.39	0.01	0.01	0.14	0.01	0.40	0.01	0.02	0.01	0.01	99.56
Trout Lake	TL-08-126	20166-081	0.09	0.01	99.03	0.08	0.01	0.11	0.01	0.20	0.01	0.01	0.01	0.01	99.59
Trout Lake	TL-08-126	20166-082	0.05	0.01	99.20	0.07	0.01	0.07	0.01	0.20	0.01	0.01	0.01	0.01	99.66
Trout Lake	TL-08-126	20166-083	0.94	0.01	98.06	0.01	0.01	0.09	0.01	0.72	0.01	0.08	0.01	0.01	99.97
Trout Lake	TL-08-126	20166-085	0.29	0.01	98.41	0.25	0.02	0.20	0.01	0.20	0.01	0.08	0.01	0.01	99.50
Trout Lake	TL-08-077	20166-086	0.94	0.01	97.17	0.12	0.01	0.43	0.01	0.84	0.01	0.06	0.01	0.01	99.63
Trout Lake	TL-08-077	20166-087	0.43	0.01	97.94	0.14	0.03	0.48	0.01	0.62	0.01	0.08	0.01	0.01	99.76
Trout Lake	TL-08-077	20166-088	0.01	0.01	99.84	0.01	0.06	0.05	0.01	0.26	0.01	0.08	0.01	0.01	100.35
Trout Lake	TL-08-077	20166-089	0.27	0.01	98.35	0.16	0.08	0.10	0.01	0.47	0.01	0.01	0.01	0.01	99.50
Trout Lake	TL-08-077	20166-090	0.34	0.01	98.86	0.17	0.01	0.19	0.01	0.18	0.01	0.01	0.01	0.01	99.80
Trout Lake	TL-08-119	20166-091	0.18	0.03	99.13	0.01	0.01	0.12	0.01	0.23	0.01	0.02	0.01	0.01	99.78
Trout Lake	TL-08-119	20166-092	0.25	0.01	98.53	0.08	0.02	0.47	0.01	0.07	0.01	0.01	0.01	0.01	99.49
Trout Lake	TL-08-119	20166-093	0.30	0.01	98.02	0.01	0.02	0.03	0.01	0.73	0.01	0.01	0.01	0.01	99.16
Trout Lake	TL-08-115	20166-095	1.50	0.01	95.95	0.06	0.05	0.01	0.01	1.54	0.01	0.01	0.01	0.01	99.18

Trout Lake	TL-08-115	20166-096	0.12	0.01	98.79	0.01	0.07	0.16	0.01	0.20	0.01	0.01	0.01	0.01	99.42
Trout Lake	TL-08-131	20166-097	0.57	0.01	98.24	0.11	0.08	0.39	0.01	0.19	0.01	0.01	0.01	0.01	99.64
Trout Lake	TL-08-131	20166-098	1.01	0.01	97.46	0.06	0.05	0.16	0.01	0.90	0.01	0.01	0.01	0.01	99.70
Trout Lake	TL-08-013	20166-099	0.32	0.01	98.33	0.03	0.09	0.46	0.07	0.03	0.01	0.05	0.01	0.01	99.42
Trout Lake	TL-08-013	20166-100	0.34	0.01	98.52	0.12	0.09	0.10	0.01	0.28	0.01	0.01	0.01	0.01	99.53
Trout Lake	TL-08-013	20166-101	0.64	0.01	98.13	0.05	0.01	0.03	0.01	0.94	0.01	0.06	0.01	0.01	99.92
Trout Lake	TL-08-013	20166-102	0.18	0.01	99.09	0.01	0.05	0.06	0.01	0.20	0.01	0.01	0.01	0.01	99.65
Trout Lake	TL-08-132	20166-103	0.89	0.01	96.10	0.13	0.06	0.57	0.01	1.06	0.01	0.05	0.01	0.01	98.91
Trout Lake	TL-08-132	20166-104	0.81	0.01	95.52	0.11	0.01	0.17	0.01	1.34	0.01	0.03	0.01	0.01	98.05
Trout Lake	TL-08-132	20166-105	0.11	0.01	99.69	0.03	0.01	0.05	0.01	0.29	0.01	0.04	0.01	0.01	100.27
Trout Lake	TL-08-114	20166-106	0.55	0.01	98.17	0.07	0.01	0.03	0.01	0.89	0.01	0.04	0.01	0.01	99.81
Trout Lake	TL-08-114	20166-107	0.54	0.01	98.21	0.09	0.04	0.07	0.01	0.54	0.01	0.04	0.01	0.01	99.59
Trout Lake	TL-08-122	20166-108	0.42	0.01	98.80	0.06	0.09	0.10	0.01	0.22	0.01	0.03	0.01	0.01	99.75
Trout Lake	TL-08-108	20166-109	0.71	0.01	97.27	0.24	0.05	0.31	0.01	0.96	0.01	0.01	0.01	0.01	99.59
Trout Lake	TL-08-024	20166-110	0.44	0.01	98.16	0.25	0.07	0.13	0.01	0.28	0.01	0.01	0.01	0.01	99.39
Trout Lake	TL-08-066	20166-111	0.17	0.01	98.75	0.03	0.03	0.01	0.01	0.36	0.01	0.02	0.01	0.01	99.43
Trout Lake	TL-08-075	20166-112	0.27	0.01	99.13	0.06	0.03	0.16	0.01	0.23	0.01	0.06	0.01	0.01	99.99
Trout Lake	TL-08-075	20166-113	1.50	0.01	96.56	0.07	0.05	0.09	0.01	1.09	0.01	0.01	0.01	0.01	99.43
Trout Lake	TL-08-029	20166-114	1.00	0.01	96.99	0.10	0.06	0.12	0.01	1.08	0.01	0.01	0.01	0.01	99.41
Trout Lake	TL-08-029	20166-115	0.25	0.01	97.68	0.36	0.06	0.10	0.01	0.70	0.01	0.13	0.01	0.01	99.33
Trout Lake	TL-08-029	20166-116	0.17	0.12	98.39	0.17	0.03	0.11	0.01	0.21	0.01	0.06	0.01	0.01	99.30
Trout Lake	TL-08-143	20166-117	0.21	0.01	98.46	0.29	0.04	0.29	0.01	0.14	0.01	0.02	0.01	0.02	99.52
Trout Lake	TL-08-101	20166-118	0.19	0.01	99.42	0.06	0.01	0.12	0.01	0.09	0.01	0.05	0.01	0.01	99.98
Trout Lake	TL-08-101	20166-119	1.39	0.01	96.30	0.16	0.04	0.27	0.01	0.99	0.01	0.04	0.01	0.01	99.25
Trout Lake	TL-08-101	20166-120	0.60	0.01	98.02	0.17	0.05	0.13	0.01	0.68	0.01	0.03	0.01	0.01	99.73

Trout Lake	TL-08-101	20166-121	0.10	0.01	99.40	0.01	0.05	0.11	0.01	0.34	0.01	0.04	0.01	0.01	100.10
Trout Lake	TL-08-101	20166-122	0.31	0.01	99.13	0.09	0.01	0.09	0.01	0.20	0.01	0.01	0.01	0.01	99.89
Trout Lake	TL-08-172	20166-129	1.02	0.01	97.43	0.04	0.04	0.12	0.01	0.71	0.01	0.01	0.01	0.01	99.42
Trout Lake	TL-08-106	20166-130	0.51	0.01	96.86	0.38	0.04	1.44	0.01	0.43	0.01	0.04	0.01	0.01	99.75
Trout Lake	TL-08-112	20166-131	0.33	0.01	98.26	0.08	0.03	0.25	0.01	0.47	0.01	0.01	0.01	0.01	99.48
Trout Lake	TL-08-065	20166-132	0.11	0.01	98.63	0.08	0.01	0.15	0.01	0.61	0.01	0.08	0.01	0.01	99.73
Trout Lake	TL-08-065	20166-133	0.26	0.01	98.50	0.14	0.04	0.22	0.01	0.28	0.01	0.03	0.01	0.01	99.51
Trout Lake	TL-08-003	20166-134	0.46	0.01	97.85	0.08	0.01	0.11	0.01	0.98	0.01	0.06	0.01	0.01	99.59
Trout Lake	TL-08-003	20166-135	0.17	0.01	99.13	0.01	0.06	0.09	0.01	0.28	0.01	0.01	0.01	0.01	99.80
Trout Lake	TL-08-003	20166-136	0.10	0.01	98.66	0.07	0.01	0.10	0.01	0.51	0.01	0.04	0.01	0.01	99.54
Trout Lake	TL-08-135	20166-137	0.36	0.01	98.71	0.20	0.01	0.06	0.01	0.38	0.01	0.04	0.01	0.01	99.82
Trout Lake	TL-08-127	20166-138	0.09	0.01	98.55	0.55	0.01	0.30	0.01	0.13	0.01	0.05	0.01	0.01	99.72
Trout Lake	TL-08-072	20166-139	1.84	0.01	95.36	0.16	0.02	0.13	0.01	1.53	0.01	0.04	0.01	0.01	99.13
Trout Lake	TL-08-069	20166-140	0.67	0.01	95.62	0.16	0.01	0.10	0.01	2.23	0.01	0.06	0.01	0.01	98.91
Trout Lake	TL-08-069	20166-141	0.80	0.02	97.32	0.15	0.03	0.40	0.01	0.54	0.01	0.01	0.01	0.01	99.31
Trout Lake	TL-08-142	20166-145	0.15	0.01	99.51	0.06	0.01	0.04	0.01	0.47	0.01	0.01	0.01	0.01	100.30
Trout Lake	TL-08-142	20166-146	0.24	0.01	98.44	0.10	0.04	0.21	0.01	0.29	0.01	0.01	0.01	0.01	99.37
Trout Lake	TL-08-142	20166-147	0.37	0.01	98.48	0.01	0.03	0.13	0.01	0.61	0.01	0.04	0.01	0.01	99.72
Trout Lake	TL-08-142	20166-148	0.42	0.01	99.16	0.17	0.04	0.17	0.01	0.17	0.01	0.05	0.01	0.01	100.22
Trout Lake	TL-08-056	20166-149	3.14	0.02	93.39	0.25	0.02	0.19	0.01	2.16	0.01	0.01	0.01	0.01	99.21
Trout Lake	TL-08-056	20166-150	0.57	0.01	97.91	0.18	0.01	0.03	0.01	1.04	0.01	0.02	0.01	0.01	99.82
Trout Lake	TL-08-056	20166-151	2.87	0.01	94.07	0.13	0.11	0.22	0.01	2.06	0.01	0.01	0.01	0.01	99.53
Trout Lake	TL-08-056	20166-152	0.01	0.01	99.49	0.01	0.03	0.01	0.01	0.26	0.01	0.06	0.01	0.01	99.92
Trout Lake	TL-08-056	20166-153	0.34	0.01	98.99	0.16	0.02	0.06	0.01	0.30	0.01	0.05	0.01	0.01	99.97
Trout Lake	TL-08-056	20166-154	0.07	0.01	99.18	0.05	0.08	0.04	0.01	0.31	0.01	0.01	0.01	0.01	99.78

Trout Lake	TL-08-056	20166-155	0.23	0.01	97.64	0.12	0.01	1.20	0.01	0.11	0.01	0.06	0.01	0.01	99.41
Trout Lake	TL-08-056	20166-156	0.08	0.02	97.58	0.04	0.03	0.18	0.01	0.84	0.01	0.04	0.01	0.01	98.85
Trout Lake	TL-08-177	20166-157	0.09	0.01	98.97	0.03	0.05	0.01	0.01	0.54	0.01	0.01	0.01	0.01	99.75
Trout Lake	TL-08-109	20166-158	0.57	0.01	97.81	0.10	0.01	0.25	0.01	0.26	0.01	0.09	0.01	0.01	99.14
Trout Lake	TL-08-109	20166-159	0.64	0.02	98.31	0.12	0.01	0.28	0.01	0.22	0.01	0.05	0.01	0.01	99.69
Trout Lake	TL-08-109	20166-160	0.26	0.01	99.27	0.05	0.07	0.03	0.01	0.45	0.01	0.02	0.01	0.01	100.20
Trout Lake	TL-08-068	20166-161	0.14	0.01	98.86	0.13	0.03	0.09	0.01	0.19	0.01	0.01	0.01	0.01	99.51
Trout Lake	TL-08-068	20166-162	1.27	0.01	97.05	0.01	0.09	0.15	0.01	0.72	0.01	0.04	0.01	0.01	99.37
Trout Lake	TL-08-194	20166-164	0.18	0.01	99.28	0.01	0.01	0.04	0.01	0.28	0.01	0.04	0.01	0.01	99.89
Trout Lake	TL-08-061	20166-165	0.18	0.01	98.79	0.15	0.04	0.16	0.01	0.10	0.01	0.01	0.01	0.01	99.47
Trout Lake	TL-08-061	20166-166	0.38	0.01	98.38	0.13	0.06	0.11	0.01	0.32	0.01	0.03	0.01	0.01	99.46
Trout Lake	TL-08-061	20166-167	0.87	0.02	97.59	0.01	0.08	0.08	0.01	0.87	0.01	0.02	0.01	0.01	99.59
Trout Lake	TL-08-196	20166-168	0.53	0.01	97.73	0.11	0.06	0.13	0.01	0.70	0.01	0.03	0.01	0.01	99.36
Trout Lake	TL-08-196	20166-169	0.11	0.01	98.60	0.01	0.06	0.20	0.01	0.50	0.01	0.05	0.01	0.01	99.58
Trout Lake	TL-08-063	20166-170	0.29	0.03	98.82	0.26	0.05	0.06	0.01	0.18	0.01	0.09	0.01	0.01	99.83
Trout Lake	TL-08-063	20166-171	0.46	0.01	98.20	0.31	0.01	0.01	0.01	0.57	0.01	0.01	0.01	0.01	99.62
Trout Lake	TL-08-063	20166-172	0.35	0.01	98.87	0.21	0.01	0.15	0.01	0.24	0.01	0.08	0.01	0.01	99.96
Trout Lake	TL-08-173	20166-173	0.18	0.01	99.24	0.01	0.01	0.01	0.01	0.29	0.01	0.10	0.01	0.01	99.88
Trout Lake	TL-08-173	20166-174	0.09	0.01	99.33	0.01	0.01	0.01	0.01	0.24	0.01	0.05	0.01	0.01	99.79
Trout Lake	TL-08-173	20166-175	0.13	0.01	98.75	0.01	0.01	0.23	0.01	0.45	0.01	0.02	0.01	0.01	99.65
Trout Lake	TL-08-173	20166-176	0.44	0.01	98.60	0.09	0.02	0.03	0.01	0.66	0.01	0.03	0.01	0.01	99.91
Trout Lake	TL-08-173	20166-177	0.28	0.01	99.30	0.08	0.08	0.08	0.01	0.20	0.01	0.05	0.01	0.01	100.11
Trout Lake	TL-08-173	20166-178	1.05	0.01	97.90	0.05	0.01	0.35	0.01	0.54	0.01	0.02	0.01	0.01	99.97
Trout Lake	TL-08-173	20166-179	0.18	0.01	99.16	0.19	0.01	0.16	0.01	0.17	0.01	0.01	0.01	0.01	99.93
Trout Lake	TL-08-173	20166-180	0.78	0.01	97.45	0.11	0.01	0.12	0.01	0.83	0.01	0.08	0.01	0.01	99.43

Trout Lake	TL-08-173	20166-181	0.82	0.01	97.68	0.17	0.01	0.72	0.01	0.20	0.01	0.08	0.01	0.01	99.74
Trout Lake	TL-08-173	20166-182	0.39	0.01	99.08	0.01	0.01	0.06	0.01	0.47	0.01	0.03	0.01	0.01	100.10
Trout Lake	TL-08-173	20166-183	0.13	0.02	97.83	0.41	0.01	0.75	0.01	0.06	0.01	0.07	0.01	0.01	99.33
Trout Lake	TL-08-057	20166-184	0.18	0.01	98.41	0.20	0.01	0.11	0.09	0.22	0.01	0.01	0.01	0.01	99.27
Trout Lake	TL-08-057	20166-185	0.40	0.01	98.36	0.20	0.01	0.10	0.01	0.33	0.01	0.01	0.01	0.01	99.46
Trout Lake	TL-08-058	20166-190	0.14	0.01	99.46	0.01	0.01	0.01	0.29	0.26	0.01	0.06	0.01	0.01	100.28
Trout Lake	TL-08-058	20166-191	1.07	0.02	95.90	0.10	0.01	0.01	0.10	1.22	0.01	0.05	0.01	0.01	98.51
Trout Lake	TL-08-058	20166-192	0.42	0.01	98.22	0.14	0.01	0.50	0.01	0.08	0.01	0.06	0.01	0.01	99.48
Trout Lake	TL-08-058	20166-193	0.47	0.03	98.74	0.01	0.01	0.12	0.01	0.35	0.01	0.06	0.01	0.01	99.82
Trout Lake	TL-08-058	20166-194	0.05	0.01	98.86	0.06	0.04	0.21	0.01	0.54	0.01	0.06	0.01	0.01	99.86
Trout Lake	TL-08-193	20166-195	0.88	0.01	95.93	0.12	0.07	0.47	0.01	1.93	0.01	0.04	0.01	0.01	99.49
Trout Lake	TL-08-193	20166-196	0.67	0.02	97.97	0.03	0.08	0.09	0.01	0.47	0.01	0.08	0.01	0.01	99.45
Trout Lake	TL-08-193	20166-197	0.14	0.03	99.36	0.19	0.02	0.13	0.01	0.10	0.01	0.04	0.01	0.01	100.06
Trout Lake	TL-08-197	20166-198	0.07	0.01	99.04	0.01	0.01	0.07	0.01	0.29	0.01	0.03	0.01	0.01	99.56
Trout Lake	TL-08-190	20166-199	0.27	0.01	98.53	0.10	0.01	0.08	0.01	0.46	0.01	0.04	0.01	0.01	99.54
Trout Lake	TL-08-192	20166-200	0.35	0.01	98.44	0.13	0.01	0.07	0.01	0.81	0.01	0.06	0.01	0.01	99.91
Trout Lake	TL-08-016	20166-201	0.18	0.01	98.64	0.24	0.01	0.21	0.01	0.54	0.01	0.05	0.01	0.01	99.92
Trout Lake	TL-08-187	20166-202	0.34	0.01	98.25	0.03	0.01	0.28	0.01	0.44	0.01	0.07	0.01	0.01	99.48
Trout Lake	TL-08-187	20166-203	0.27	0.01	98.57	0.03	0.03	0.24	0.01	0.73	0.01	0.01	0.01	0.01	99.93
Trout Lake	TL-08-187	20166-204	0.05	0.01	98.86	0.01	0.02	0.13	0.01	0.41	0.01	0.01	0.01	0.01	99.53
Trout Lake	TL-08-187	20166-205	0.54	0.01	98.52	0.01	0.01	0.26	0.01	0.28	0.01	0.06	0.01	0.01	99.73
Trout Lake	TL-08-187	20166-206	0.37	0.30	96.73	0.11	0.09	0.09	0.01	0.68	0.01	0.01	0.07	0.01	98.48
Trout Lake	TL-08-187	20166-207	0.18	0.01	99.49	0.05	0.03	0.05	0.01	0.26	0.01	0.03	0.01	0.01	100.13
Trout Lake	TL-08-187	20166-208	0.04	0.01	99.27	0.01	0.01	0.03	0.01	0.40	0.01	0.03	0.01	0.01	99.84
Trout Lake	TL-08-187	20166-209	0.41	0.01	98.45	0.05	0.06	0.12	0.01	0.62	0.01	0.05	0.01	0.01	99.82

Trout Lake	TL-08-187	20166-210	0.25	0.02	98.31	0.01	0.05	0.23	0.01	0.50	0.01	0.05	0.01	0.01	99.44
Trout Lake	TL-08-187	20166-211	0.67	0.01	97.54	0.21	0.02	0.11	0.01	0.91	0.01	0.07	0.01	0.01	99.57
Trout Lake	TL-08-187	20166-212	0.07	0.01	98.47	0.06	0.01	0.02	0.01	0.80	0.01	0.06	0.01	0.01	99.54
Trout Lake	TL-08-062	20166-213	0.27	0.01	96.40	0.01	0.03	0.47	0.01	0.76	0.01	0.04	0.01	0.01	98.03
Trout Lake	TL-08-062	20166-214	0.15	0.01	99.32	0.05	0.01	0.05	0.01	0.51	0.01	0.06	0.01	0.01	100.20
Trout Lake	TL-08-163	20166-215	0.22	0.01	98.92	0.18	0.04	0.09	0.01	0.10	0.01	0.03	0.01	0.01	99.63
Trout Lake	TL-08-185	20166-216	0.11	0.02	98.75	0.03	0.01	0.07	0.01	0.47	0.01	0.01	0.01	0.01	99.52
Trout Lake	TL-08-185	20166-217	0.13	0.01	99.08	0.13	0.01	0.09	0.01	0.16	0.01	0.06	0.01	0.01	99.72
Trout Lake	TL-08-186	20166-218	0.21	0.01	99.06	0.30	0.01	0.07	0.01	0.22	0.01	0.01	0.01	0.01	99.94
Trout Lake	TL-08-186	20166-219	0.44	0.01	98.65	0.20	0.03	0.12	0.04	0.22	0.01	0.03	0.01	0.01	99.77
Trout Lake	TL-08-186	20166-220	0.84	0.01	97.33	0.05	0.01	0.13	0.01	1.03	0.01	0.01	0.01	0.01	99.44
Trout Lake	TL-08-189	20166-221	0.40	0.01	98.70	0.07	0.04	0.11	0.01	0.33	0.01	0.04	0.01	0.01	99.73
Trout Lake	TL-08-189	20166-222	0.09	0.01	97.68	0.01	0.01	0.34	0.01	0.62	0.01	0.01	0.01	0.01	98.82
Trout Lake	TL-08-189	20166-223	0.22	0.01	99.21	0.08	0.01	0.11	0.01	0.81	0.01	0.01	0.01	0.01	100.49
Trout Lake	TL-08-170	20166-224	0.12	0.01	99.50	0.01	0.01	0.11	0.01	0.51	0.01	0.01	0.01	0.01	100.31
Trout Lake	TL-08-055	20166-225	0.65	0.01	98.22	0.01	0.03	0.13	0.01	0.47	0.01	0.01	0.01	0.01	99.58
Trout Lake	TL-08-055	20166-226	0.36	0.01	98.90	0.18	0.10	0.08	0.01	0.20	0.01	0.01	0.01	0.01	99.88
Trout Lake	TL-08-055	20166-227	0.54	0.03	98.10	0.06	0.10	0.11	0.01	0.43	0.01	0.03	0.01	0.01	99.45
Trout Lake	TL-08-055	20166-228	0.22	0.01	97.94	0.05	0.02	0.44	0.01	0.44	0.01	0.01	0.01	0.01	99.18
Trout Lake	TL-08-183	20166-234	0.24	0.02	98.18	0.13	0.01	0.01	0.64	0.09	0.01	0.01	0.01	0.01	99.36
Trout Lake	TL-08-183	20166-236	0.19	0.01	98.56	0.16	0.01	0.10	0.01	0.39	0.01	0.06	0.01	0.01	99.51
Trout Lake	TL-08-164	20166-244	0.37	0.05	98.44	0.12	0.01	0.15	0.01	0.21	0.01	0.04	0.01	0.01	99.44
Trout Lake	TL-08-164	20166-245	0.16	0.01	98.94	0.09	0.01	0.18	0.02	0.21	0.01	0.01	0.01	0.01	99.67
Trout Lake	TL-08-164	20166-246	0.25	0.05	97.99	0.01	0.01	0.01	0.01	1.31	0.01	0.03	0.01	0.01	99.70
Trout Lake	TL-08-164	20166-247	0.38	0.02	97.54	0.22	0.04	0.19	0.05	0.20	0.01	0.04	0.01	0.01	98.73

Trout Lake	TL-08-164	20166-248	0.39	0.01	98.62	0.11	0.01	0.18	0.01	0.23	0.01	0.01	0.01	0.01	99.60
Trout Lake	TL-08-164	20166-249	0.09	0.01	99.23	0.15	0.01	0.11	0.01	0.14	0.01	0.01	0.01	0.01	99.80
Trout Lake	TL-08-164	20166-250	0.59	0.01	97.51	0.04	0.01	0.22	0.01	0.48	0.01	0.01	0.01	0.01	98.92
Trout Lake	TL-08-164	20166-251	0.29	0.01	98.52	0.21	0.04	0.17	0.01	0.20	0.01	0.01	0.01	0.01	99.50
Trout Lake	TL-08-179	20166-252	3.00	0.01	93.44	0.09	0.01	0.14	0.01	2.21	0.01	0.03	0.01	0.01	98.97
Trout Lake	TL-08-191	20166-253	2.95	0.01	93.63	0.12	0.01	0.16	0.01	2.22	0.01	0.03	0.01	0.01	99.17
Trout Lake	TL-08-205	20166-254	0.08	0.01	99.54	0.01	0.01	0.17	0.01	0.10	0.01	0.01	0.01	0.01	99.97
Trout Lake	TL-08-205	20166-255	0.28	0.01	98.23	0.10	0.01	0.31	0.01	0.32	0.01	0.01	0.01	0.01	99.32
Trout Lake	TL-08-168	20166-262	0.19	0.01	97.68	0.06	0.01	0.60	0.01	0.28	0.01	0.01	0.01	0.01	98.87
Trout Lake	TL-08-169	20166-263	0.20	0.01	99.20	0.04	0.03	0.10	0.01	0.20	0.01	0.03	0.01	0.01	99.86
Trout Lake	TL-08-169	20166-264	0.49	0.01	97.47	0.11	0.05	0.21	0.01	0.68	0.01	0.01	0.01	0.01	99.06
Trout Lake	TL-08-155	20166-265	0.23	0.01	99.27	0.29	0.03	0.07	0.01	0.50	0.01	0.01	0.01	0.01	100.43
Trout Lake	TL-08-155	20166-266	0.17	0.01	98.96	0.04	0.01	0.07	0.01	0.37	0.01	0.01	0.01	0.01	99.70
Trout Lake	TL-08-155	20166-267	0.40	0.01	96.38	0.04	0.12	0.19	0.01	1.09	0.01	0.03	0.01	0.01	98.30
Trout Lake	TL-08-155	20166-268	0.80	0.01	97.79	0.31	0.02	0.28	0.01	0.30	0.01	0.01	0.01	0.01	99.57
Trout Lake	TL-08-155	20166-269	1.94	0.01	95.00	0.17	0.01	0.50	0.01	1.20	0.01	0.01	0.01	0.01	98.87
Trout Lake	TL-08-156	20166-270	0.11	0.01	98.75	0.01	0.05	0.12	0.01	0.26	0.01	0.01	0.01	0.01	99.37
Trout Lake	TL-08-167	20166-271	0.05	0.01	99.06	0.01	0.01	0.19	0.01	0.36	0.01	0.01	0.01	0.01	99.74
Trout Lake	TL-08-162	20166-272	0.86	0.02	96.70	0.13	0.01	0.19	0.01	0.96	0.01	0.02	0.01	0.01	98.94
Trout Lake	TL-08-147	20166-273	0.55	0.01	96.87	0.04	0.02	0.53	0.01	0.65	0.01	0.03	0.01	0.01	98.75
Trout Lake	TL-08-129	20166-274	0.30	0.01	98.24	0.07	0.02	0.04	0.01	0.56	0.01	0.01	0.01	0.01	99.29
Trout Lake	TL-08-165	20166-275	0.19	0.01	97.46	0.05	0.01	0.57	0.01	0.61	0.01	0.01	0.01	0.01	98.96
Trout Lake	TL-08-165	20166-276	0.23	0.01	98.72	0.01	0.03	0.12	0.01	0.34	0.01	0.01	0.01	0.01	99.51
Trout Lake	TL-08-165	20166-277	0.63	0.02	97.14	0.01	0.04	0.13	0.01	0.90	0.01	0.01	0.01	0.01	98.91
Trout Lake	TL-08-175	20166-278	0.15	0.01	98.86	0.01	0.01	0.07	0.01	0.23	0.01	0.05	0.01	0.01	99.43

Trout Lake	TL-08-174	20166-279	0.64	0.01	97.46	0.06	0.01	0.31	0.01	0.70	0.01	0.01	0.01	0.01	99.24
Trout Lake	TL-08-174	20166-280	0.16	0.01	98.62	0.08	0.01	0.01	0.01	0.41	0.01	0.03	0.01	0.02	99.39
Trout Lake	TL-08-174	20166-281	0.20	0.01	98.06	0.01	0.01	0.57	0.01	0.58	0.01	0.06	0.01	0.01	99.54
Trout Lake	TL-08-158	20166-282	0.17	0.01	98.65	0.29	0.02	0.11	0.01	0.27	0.01	0.07	0.01	0.01	99.62
Trout Lake	TL-08-158	20166-283	0.07	0.01	98.78	0.04	0.01	0.45	0.01	0.27	0.01	0.03	0.01	0.01	99.70
Trout Lake	TL-08-158	20166-284	3.18	0.01	93.00	0.05	0.05	0.07	0.01	2.21	0.01	0.08	0.01	0.01	98.67
Trout Lake	TL-08-158	20166-285	0.21	0.01	98.75	0.04	0.01	0.40	0.01	0.34	0.01	0.01	0.01	0.01	99.81
Trout Lake	TL-08-123	20166-286	0.31	0.01	98.62	0.22	0.01	0.24	0.01	0.12	0.01	0.06	0.01	0.01	99.62
Trout Lake	TL-08-136	20166-287	0.40	0.01	97.90	0.08	0.01	0.08	0.01	1.02	0.01	0.01	0.01	0.01	99.55
Trout Lake	TL-08-136	20166-288	0.84	0.01	96.83	0.08	0.01	0.01	0.01	1.07	0.01	0.01	0.01	0.01	98.90
Trout Lake	TL-08-015	20166-289	0.37	0.01	97.96	0.60	0.01	0.05	0.01	0.28	0.01	0.01	0.01	0.01	99.31
Trout Lake	TL-08-015	20166-290	0.33	0.01	98.44	0.04	0.04	0.39	0.01	0.17	0.01	0.05	0.04	0.01	99.53
Trout Lake	TL-08-137	20166-291	0.13	0.01	99.11	0.01	0.01	0.20	0.01	0.39	0.01	0.01	0.01	0.01	99.92
Trout Lake	TL-08-004	20166-292	0.27	0.01	98.80	0.01	0.01	0.21	0.01	0.47	0.01	0.04	0.01	0.01	99.86
Trout Lake	TL-08-166	20166-293	0.13	0.01	98.36	0.20	0.01	0.15	0.08	0.26	0.01	0.01	0.01	0.01	99.24
Trout Lake	TL-08-166	20166-294	0.14	0.01	98.35	0.10	0.01	0.06	0.01	0.65	0.01	0.01	0.01	0.01	99.37
Trout Lake	TL-08-166	20166-295	0.15	0.01	98.16	0.59	0.02	0.18	0.01	0.20	0.01	0.01	0.01	0.01	99.36
Trout Lake	TL-08-166	20166-296	0.27	0.01	98.17	0.30	0.01	0.64	0.01	0.06	0.01	0.01	0.01	0.01	99.51
Trout Lake	TL-08-166	20166-297	0.16	0.01	98.37	0.15	0.04	0.14	0.01	0.11	0.01	0.01	0.01	0.01	99.03
Trout Lake	TL-08-166	20166-298	0.47	0.01	97.67	0.15	0.02	0.05	0.01	0.60	0.01	0.01	0.01	0.01	99.02
Trout Lake	TL-08-141	20166-299	0.12	0.02	98.95	0.04	0.01	0.01	0.01	0.22	0.01	0.01	0.01	0.01	99.42
Trout Lake	TL-08-141	20166-300	0.48	0.01	97.17	0.01	0.01	0.04	0.01	1.14	0.01	0.02	0.01	0.01	98.93
Trout Lake	TL-08-141	20166-301	0.01	0.01	99.49	0.01	0.01	0.23	0.01	0.14	0.01	0.01	0.01	0.01	99.95
Trout Lake	TL-08-014	20166-302	0.62	0.01	97.53	0.12	0.01	0.36	0.01	0.73	0.01	0.01	0.01	0.01	99.43
Trout Lake	TL-08-014	20166-303	0.18	0.02	98.77	0.01	0.04	0.04	0.01	0.19	0.01	0.06	0.01	0.01	99.36

Trout Lake	TL-08-206	20166-304	0.04	0.01	98.74	0.09	0.02	0.17	0.01	0.06	0.01	0.06	0.01	0.01	99.25
Trout Lake	TL-08-206	20166-305	0.27	0.01	98.44	0.04	0.02	0.09	0.01	0.40	0.01	0.01	0.01	0.01	99.33
Trout Lake	TL-08-206	20166-306	2.20	0.01	94.27	0.05	0.05	0.05	0.01	1.78	0.01	0.03	0.01	0.01	98.48
Trout Lake	TL-08-204	20166-307	0.06	0.02	98.72	0.01	0.02	0.06	0.01	0.24	0.01	0.01	0.01	0.01	99.18
Trout Lake	TL-08-161	20166-308	1.02	0.01	96.10	0.13	0.02	1.45	0.01	0.33	0.01	0.01	0.01	0.01	99.11
Trout Lake	TL-08-161	20166-310	0.06	0.01	98.64	0.01	0.01	0.03	0.01	0.60	0.01	0.06	0.01	0.01	99.47
Trout Lake	TL-08-161	20166-311	0.17	0.01	98.75	0.08	0.03	0.07	0.01	0.22	0.01	0.01	0.01	0.01	99.37
Trout Lake	TL-08-145	20166-312	0.09	0.01	98.73	0.04	0.07	0.06	0.01	0.41	0.01	0.06	0.01	0.01	99.50
Trout Lake	TL-08-145	20166-313	0.24	0.02	97.84	0.03	0.01	0.14	0.01	0.67	0.01	0.02	0.01	0.01	99.01
Trout Lake	TL-08-204	20166-314	0.11	0.01	98.85	0.01	0.05	0.02	0.01	0.36	0.01	0.07	0.01	0.01	99.53
Trout Lake	TL-08-204	20166-315	0.24	0.01	98.57	0.11	0.03	0.14	0.01	0.18	0.01	0.04	0.01	0.01	99.36
Trout Lake	TL-08-204	20166-316	0.11	0.01	99.06	0.09	0.01	0.71	0.01	0.09	0.01	0.05	0.01	0.01	100.16
Trout Lake	TL-08-204	20166-317	0.05	0.01	98.73	0.06	0.01	0.06	0.01	0.32	0.01	0.01	0.01	0.01	99.29
Trout Lake	TL-08-204	20166-318	0.40	0.01	98.21	0.01	0.01	0.09	0.01	0.52	0.01	0.03	0.01	0.01	99.32
Trout Lake	TL-08-204	20166-319	0.63	0.01	97.75	0.17	0.01	0.22	0.01	0.43	0.01	0.05	0.01	0.01	99.30
Trout Lake	TL-08-204	20166-320	0.33	1.02	95.80	0.01	0.25	0.01	0.01	0.74	0.01	0.01	0.17	0.01	98.38
Trout Lake	TL-08-204	20166-321	0.07	3.78	97.46	0.01	0.04	0.01	0.01	0.09	0.01	0.01	0.02	0.01	101.52
Trout Lake	TL-08-204	20166-322	0.06	0.01	99.07	0.01	0.06	0.01	0.01	0.01	0.01	0.01	0.02	0.01	99.29
Trout Lake	TL-08-204	20166-323	0.36	0.01	97.80	0.28	0.01	0.12	0.06	0.40	0.01	0.02	0.01	0.01	99.10
Trout Lake	TL-08-204	20166-324	0.27	0.01	98.50	0.03	0.01	0.01	0.01	0.39	0.01	0.01	0.01	0.01	99.27
Trout Lake	TL-08-204	20166-325	0.53	0.01	96.98	0.12	0.01	0.06	0.01	0.69	0.01	0.04	0.01	0.01	98.47
Trout Lake	TL-08-145	20166-326	0.32	0.04	98.20	0.22	0.07	0.13	0.09	0.18	0.01	0.01	0.01	0.01	99.29

Table H.2 Rutile LA-ICP-MS U-Pb isotope compositions secondary standard results

Date	Analysis No.	207Pb/ 235U	± 2σ	206Pb/ 238U	± 2σ	207Pb/ 206Pb	± 2σ	206Pb/ 238U Age (Ma)	± 2σ (Ma)	207Pb/ 235U Age (Ma)	± 2σ (Ma)	207Pb/ 206Pb Age (Ma)	± 2σ (Ma)
R13													
01/02/2017	R13 - 1	0.661	0.035	0.0829	0.0023	0.0586	0.0035	515	23	513	14	510	130
01/02/2017	R13 - 2	0.682	0.028	0.0829	0.0022	0.0596	0.0026	524	17	513	13	555	89
01/02/2017	R13 - 3	0.656	0.028	0.0816	0.0023	0.0584	0.0026	511	18	507	14	512	100
01/02/2017	R13 - 4	0.636	0.030	0.0824	0.0024	0.0567	0.0029	496	19	510	14	410	110
01/02/2017	R13 - 5	0.692	0.042	0.0825	0.0024	0.0612	0.0039	527	25	511	14	540	130
30/03/2017	R13 - 1	0.673	0.021	0.0843	0.0020	0.0581	0.0019	522	13	522	12	509	71
30/03/2017	R13 - 2	0.694	0.026	0.0845	0.0024	0.0591	0.0022	534	16	523	14	575	91
30/03/2017	R13 - 3	0.673	0.018	0.0829	0.0018	0.0592	0.0016	522	11	513.1	11	555	57
30/03/2017	R13 - 4	0.675	0.018	0.0839	0.0020	0.0590	0.0017	525	12	519	12	559	60
30/03/2017	R13 - 5	0.667	0.018	0.0820	0.0021	0.0585	0.0020	518	11	508	12	531	72
Descriptiv													
	max	*0.694*		*0.0845*		*0.0612*		*534*		*523*		*575*	
	min	*0.636*		*0.0816*		*0.0567*		*496*		*507*		*410*	
	mean	*0.671*		*0.0830*		*0.0588*		*519*		*514*		*526*	
	median	*0.673*		*0.0829*		*0.0588*		*521.8*		*513*		*535.5*	
	std dev (1σ)	*0.017*		*0.0010*		*0.0011*		*10*		*5.6*		*47*	
	RSD (1σ)	*2.6%*		*1.2%*		*2.0%*		*2.0%*		*1.1%*		*8.9%*	
	range	*0.058*		*0.0029*		*0.0045*		*38*		*16*		*165*	
	count	*10*		*10*		*10*		*10*		*10*		*10*	
In-house reference values													
accepted mean value		0.0841		0.6743		0.0582		520.4		523.3		536.5	
std dev (2σ; 95 % CI)		0.0004		0.0133		0.0011		2.2		8.0		39.6	
RSD (1σ)		0.2%		1.0%		0.9%		0.2%		0.8%		3.7%	

Table H.3 Rutile LA-ICP-MS U-Pb age dating results

Grain No.	207Pb/235U	± 2σ	206Pb/238U	± 2σ	207Pb/206Pb	± 2σ	207Pb/235U Age (Ma)	± 2σ (Ma)	206Pb/238U Age (Ma)	± 2σ (Ma)	207Pb/206Pb Age (Ma)	± 2σ (Ma)
20166-002	5.198	0.11	0.3397	0.0078	0.1112	0.001	1851	17	1884	38	1817	17
20166-004	5.41	0.17	0.3157	0.0073	0.1237	0.0022	1884	27	1768	36	2006	31
20166-023	13.97	0.33	0.5445	0.013	0.1845	0.0044	2743	22	2799	52	2695	37
20166-027	5.069	0.12	0.3283	0.0072	0.1112	0.0015	1829	20	1829	35	1815	25
20166-035	5.85	0.13	0.3434	0.008	0.1229	0.0027	1951	19	1902	38	1989	39
20166-040	5.71	0.13	0.3328	0.0067	0.1233	0.0015	1930	20	1851	33	2000	22
20166-044	11.76	0.24	0.4917	0.009	0.1723	0.0015	2584	19	2576	39	2578	15
20166-068	5.3	0.13	0.3283	0.0078	0.1162	0.0023	1864	20	1829	38	1889	36
20166-069	5.16	0.15	0.3367	0.0077	0.1111	0.0034	1846	24	1874	39	1801	53
20166-070	8.88	0.34	0.3685	0.0087	0.1747	0.0059	2320	35	2021	41	2590	58
20166-072	5.212	0.098	0.335	0.008	0.11284	0.0012	1852	16	1866	40	1843	19
20166-073	4.872	0.087	0.3169	0.0049	0.1111	0.0012	1796.6	15	1774	24	1814	20
20166-086	5.532	0.098	0.3454	0.0067	0.1162	0.0019	1908	17	1912	32	1896	29
20166-087	5.79	0.12	0.3561	0.0082	0.117	0.0027	1941	19	1962	39	1898	43
20166-092	4.739	0.081	0.3106	0.0056	0.1104	0.002	1775	15	1743	28	1798	33
20166-100	5.237	0.096	0.3146	0.006	0.1201	0.0015	1857.8	16	1767	31	1953	22
20166-103	6.92	0.14	0.3398	0.0063	0.147	0.0027	2098	18	1885	30	2304	31
20166-109	0.543	0.016	0.0674	0.0014	0.058	0.0015	439.5	10	420.6	8.2	513	57
20166-117	5.21	0.14	0.3194	0.0093	0.1178	0.0037	1850	23	1784	45	1914	54
20166-119	4.558	0.086	0.3057	0.006	0.1081	0.0014	1741	16	1719	30	1765	23
20166-131	5.665	0.1	0.3495	0.0056	0.1175	0.001	1925.2	15	1932	27	1917	15
20166-133	4.724	0.099	0.3055	0.0062	0.1118	0.0014	1770	18	1718	31	1827	23
20166-138	4.701	0.088	0.3063	0.0048	0.1108	0.001	1767	16	1722	24	1814	18
20166-155	4.41	0.11	0.3055	0.0076	0.105	0.0032	1712	21	1717	37	1696	58
20166-158	5.136	0.095	0.3301	0.0056	0.1127	0.0015	1843	16	1838	27	1843	24
20166-159	5.043	0.11	0.3009	0.0066	0.1218	0.0021	1825	19	1695	33	1978	31
20166-175	4.395	0.074	0.2947	0.0047	0.10837	0.00092	1710.7	14	1664	24	1770	15
20166-181	4.931	0.11	0.3161	0.0065	0.1126	0.0023	1804	18	1770	32	1837	37
20166-183	0.505	0.021	0.0654	0.0018	0.0564	0.0026	413	14	408.1	11	410	100
20166-190	0.715	0.034	0.02269	0.00098	0.233	0.013	544	20	144.6	6.2	3026	86
20166-191	4.888	0.099	0.3276	0.006	0.10796	0.00081	1799	17	1826	29	1767	13
20166-194	1.82	0.17	0.036	0.0056	0.456	0.083	1032	65	227	35	3860	310
20166-203	5.206	0.1	0.3262	0.0056	0.1158	0.0015	1852	17	1819	27	1889	23
20166-205	9.46	0.4	0.343	0.014	0.2026	0.0073	2376	38	1899	69	2831	60
20166-210	5.24	0.16	0.326	0.01	0.1168	0.001	1856	25	1817	49	1907	15

20166-222	4.758	0.094	0.311	0.0054	0.1115	0.0015	1776	16	1745	26	1819	24
20166-234	4.95	0.087	0.326	0.0067	0.1106	0.0019	1813	15	1818	32	1802	31
20166-250	5.229	0.1	0.3322	0.0067	0.115	0.001	1856	17	1848	33	1877	16
20166-262	4.649	0.088	0.3143	0.0067	0.1071	0.0019	1755	16	1761	33	1743	32
20166-269	4.37	0.12	0.301	0.0097	0.10594	0.00093	1701	21	1692	47	1729	16
20166-270	5.68	0.13	0.3488	0.0071	0.1192	0.0016	1927	20	1928	34	1946	25
20166-273	6.15	0.19	0.3385	0.0087	0.131	0.0044	1990	27	1878	42	2096	56
20166-275	4.79	0.26	0.3111	0.0094	0.1116	0.0059	1762	45	1750	49	1777	96
20166-279	4.926	0.097	0.3216	0.0057	0.1115	0.0011	1805	17	1797	28	1821	18
20166-281	5.06	0.12	0.3265	0.0075	0.1135	0.0028	1827	19	1820	36	1852	44
20166-283	5.23	0.13	0.3234	0.0077	0.1184	0.0033	1856	22	1804	37	1912	48
20166-285	4.564	0.087	0.3027	0.0058	0.1091	0.0012	1742	16	1704	29	1781	20
20166-286	6.28	0.25	0.3306	0.0097	0.1392	0.0048	2012	35	1838	47	2192	60
20166-291	2.43	0.23	0.387	0.037	0.10791	0.00092	1230	49	2080	140	1762	15
20166-292	5.317	0.1	0.3289	0.006	0.1166	0.0012	1872	17	1832	29	1905	20
20166-296	4.778	0.089	0.3173	0.0051	0.1086	0.0011	1780	15	1776	25	1773	19
20166-308	4.6	0.25	0.3104	0.011	0.1068	0.0055	1730	47	1746	56	1710	100
20166-316	4.957	0.077	0.3258	0.0063	0.1115	0.0015	1810	13	1817	30	1820	24

Table I.1 Worldwide kimberlitic ilmenite sample list and external data sources

Kimberlite	Cluster/Field	Location	Tectonic	Age Period	Age	± (2σ)	Method	Source	Sample
Malaita	-	Malaita, Solomon Islands	Ontong Java Plateau	Paleogene	34		Rb-Sr phlogopite	Bielski-Zyskind et al., 1984	ilmenite grains (alnoitic breccia)
Udachnaya-East	Daldyn-Alakit	Yakutia, Russia	Siberian Craton	Devonian	367	3.0	U-Pb perovskite WA	Yudin et al., 2014	hand specimen ("salty")
Aviat-1 (AV1)	Aviat	Nunavut, Canada	Northern Churchill Province	Neoproterozoic -Cambrian	530	30.0	U-Pb perovskite isochron	Armstrong et al., 2008; C. Sarkar, unpublished (533 Ma)	drill core
Aviat-6 (AV6)	Aviat	Nunavut, Canada	Northern Churchill Province	Neoproterozoic -Cambrian	530	30.0	U-Pb perovskite isochron	Armstrong et al., 2008; C. Sarkar, unpublished (533 Ma)	drill core
Chidliak	Chidliak	Nunavut, Canada	Northern Churchill Province	Late Jurassic-Early Cretaceous	147	9.0	U-Pb perovskite	Heaman et al., 2015	ilmenite grains
Snowbunting (SB-2)	Galaxy, Victoria Island	Nunavut, Canada	Northern Churchill Province	Permian	271.2	2.6	U-Pb perovskite	Heaman et al., 2003	drill core

Snowy Owl (SO)	Snowy Owl, Victoria Island	Nunavut, Canada	Northern Churchill Province	Permian	271.2	2.6	U-Pb perovskite	Heaman et al., 2003	drill core
Amaruk-61 (A61)	Amaruk/Pelly Bay	Nunavut, Canada	Rae Craton	Neoproterozoic -Cambrian	546		Rb-Sr phlogopite isochron	Kupsch and Armstrong, 2013	drill core
Amaruck-28 (A28)	Amaruk/Pelly Bay	Nunavut, Canada	Rae Craton	Neoproterozoic -Cambrian	546		Rb-Sr phlogopite isochron	Kupsch and Armstrong, 2013	drill core
Mike's Spot (MK)	Darby	Nunavut, Canada	Rae Craton	Neoproterozoic -Cambrian	540		Rb-Sr phlogopite isochron	Harris et al., 2017	hand sample (float)
Level Pipe (LP)	Darby	Nunavut, Canada	Rae Craton	Neoproterozoic -Cambrian	540		Rb-Sr phlogopite isochron	Harris et al., 2017	ilmenite grains (float)
Jericho	Northern Slave	Nunavut, Canada	Slave Craton	Middle Jurassic	173.1	1.3	Rb-Sr phlogopite WA	Heaman et al., 2006	single megacryst grain
A154N (Diavik)	Lac de Gras	Northwest Territories, Canada	Slave Craton	Paleogene	55.5	0.5	Rb-Sr phlogopite WA	Graham et al., 1999	ilmenite grains
A154S (Diavik)	Lac de Gras	Northwest Territories, Canada	Slave Craton	Paleogene	56	0.7	Rb-Sr phlogopite isochron	Graham et al., 1999	ilmenite grains
Panther (Ekati)	Lac de Gras	Northwest Territories, Canada	Slave Craton	Paleogene	52.5	3.9	U-Pb perovskite	Sarkar et al., 2015	drill core

Torrie (Ekati)	Lac de Gras	Northwest Territories, Canada	Slave Craton	Paleogene	65.1	3.3	U-Pb perovskite	Heaman et al., 2003	ilmenite grains
Drybones Bay	Drybones Bay	Northwest Territories, Canada	Slave Craton	Silurian	441.4	0.8	U-Pb perovskite isochron	Heaman et al., 2003	drill core fractions
Orion South (EJF & Pense Fms)	Fort à la Corne (FALC)	Saskatchewan, Canada	Sask Craton	Early Cretaceous	102.5	3.5	U-Pb perovskite WA	Kjarsgaard et al., 2009	coarse concentrate
Star South (Cantaur Fm)	Fort à la Corne (FALC)	Saskatchewan, Canada	Sask Craton	Early Cretaceous	102.1	1.4	U-Pb perovskite WA	Zonneveld et al., 2004	coarse concentrate
Victor	Attawapiskat	Ontario, Canada	Superior Craton	Middle Jurassic	175.7	1.8	U-Pb perovskite	Kong et al., 1999; Heaman and Kjarsgaard, 2000	hand sample
New Liskeard	New Liskeard and Kirkland Lake	Ontario, Canada	Superior Craton	Late Jurassic	157	2	U-Pb perovskite	Heaman, 1989	single megacryst grain
Wemindji	Wemindji	Québec, Canada	Superior Craton	Neoproterozoic	629	29.0	Rb-Sr phlogopite	Letendre et al., 2003; L. Heaman, unpublished (639 Ma)	single megacryst grain

Monastery	Monastery	Bloemfontein, South Africa	Kaapvaal Craton	Late Cretaceous	86	3.0	Rb-Sr phlogopite isochron	Allsopp and Barrett, 1975	ilmenite grains
Frank Smith	Weltevreden-Frank Smith	Windsorton, South Africa	Kaapvaal Craton	Late Cretaceous	114		Rb-Sr phlogopite	Smith, 1983	ilmenite grains

Table I.2 Ilmenite MC-ICP-MS Hf isotopic composition standards results (all corrected ratios)

JMC475 (primary standard) for sessions

Session	Lab	176Hf/177Hf	2SD	N
1	U of A	0.282155	0.000013	6
2	U of A	0.282158	0.000013	14
3	Durham	0.282156	0.000014	16
4	Durham	0.282150	0.000011	6
5	Durham	0.282154	0.000009	12
6	Durham	0.282158	0.000008	12
7	Durham	0.282156	0.000010	12
8	Durham	0.282156	0.000010	8
9	Durham	0.282149	0.000010	8
Descriptive Statistics				
max		*0.282158*		
min		*0.282149*		
mean		*0.282155*		
median		*0.282156*		
std dev (1σ)		*0.000003*		
std dev (2σ)		*0.000006*		
RSD (1σ)		*0.001%*		
RSD (2σ)		*0.002%*		
range		*0.000009*		
count		*9*		
Reference values*				
accepted mean value		0.282163		
std dev (2σ; 95 % CI)		0.000009		
RSD (1σ)		0.002%		

*Blichert-Toft et al. (1997)

All data already normalised to 0.282158

Frank Smith megacryst (secondary standard) for sessions

SampleID	Weight (mg)	176Hf/177Hf	2SE
FS-01 (U of A)	5.510	0.282654	0.000017
FS-02 (U of A)	1.868	0.282634	0.000029
FS-03 (U of A)	1.284	0.282657	0.000027
FS-04 (U of A)	2.133	0.282647	0.000034
FS-05	0.988	0.282644	0.000020
FS-06	4.726	0.282671	0.000016
FS-07	1.692	0.282688	0.000030
FS-08	2.397	0.282658	0.000018
FS-09	2.678	0.282678	0.000013
FS-10	0.843	0.282662	0.000017
FS-11	1.311	0.282668	0.000031
Descriptive Statistics			
max		*0.282688*	
min		*0.282634*	
mean		*0.282660*	
median		*0.282658*	
std dev (1σ)		*0.000016*	
std dev (2σ)		*0.000031*	
RSD (1σ)		*0.01%*	
RSD (2σ)		*0.01%*	
range		*0.000054*	
count		*11*	
Reference values*			
accepted mean value		*0.282616*	
std dev (2σ; 95 % CI)		*0.000039*	
RSD (1σ)		*0.007%*	

**Nowell et al. (2004)

Table I.3 Worldwide Ilmenite MC-ICP-MS Hf isotopic composition results (all corrected ratios)

Analysis Facility	Kimberlite	Grain No.	Weight (mg)	176Hf/177Hf	± (2s)
Durham	Frank Smith	FS-02	4.726	0.282671	0.000016
Durham	Frank Smith	FS-08	1.692	0.282688	0.000030
Durham	Frank Smith	FS-09	2.397	0.282658	0.000018
Durham	Frank Smith	FS-10	2.678	0.282678	0.000013
Durham	Frank Smith	FS-19	1.311	0.282668	0.000031
Durham	Frank Smith	FS-28	0.843	0.282662	0.000017
Durham	Monastery	MON-1	1.859	0.282714	0.000018
Durham	Monastery	MON-2	0.575	0.282706	0.000015
Durham	Monastery	MON-3	1.844	0.282702	0.000018
Durham	Monastery	MON-4	1.891	0.282729	0.000046
Durham	Monastery	MON-5	2.859	0.282726	0.000010
Durham	Monastery	MON-6	1.628	0.282703	0.000016
Durham	Malaita	MAL-3	0.550	0.283006	0.000052
Durham	Malaita	MAL-4	0.883	0.282993	0.000018
Durham	Udachnaya-E	UDA-1	2.063	0.282692	0.000005
Durham	Udachnaya-E	UDA-2	1.633	0.282696	0.000006
Durham	Udachnaya-E	UDA-3	1.814	0.282699	0.000008
Durham	Udachnaya-E	UDA-5	2.421	0.282663	0.000006
Durham	Udachnaya-E	UDA-6	1.088	0.282672	0.000006
Durham	Amaruk	A28-1	0.595	0.282660	0.000011
Durham	Amaruk	A28-2	0.417	0.282640	0.000014
Durham	Amaruk	A28-3	0.889	0.282617	0.000009
Durham	Amaruk	A28-5	0.443	0.282647	0.000011
Durham	Amaruk	A28-6	0.992	0.282670	0.000010
Durham	Amaruk	A61-1	0.616	0.282662	0.000009
Durham	Amaruk	A61-2	0.505	0.282661	0.000008
Durham	Amaruk	A61-3	1.102	0.282670	0.000008
Durham	Amaruk	A61-4	0.467	0.282679	0.000013
Durham	Amaruk	A61-5	0.207	0.282653	0.000027
Durham	Amaruk	A61-6	0.443	0.282668	0.000014
Durham	Aviat	AV1-1	4.663	0.282205	0.000008
Durham	Aviat	AV1-3	1.174	0.282213	0.000017
Durham	Aviat	AV1-4	1.739	0.282209	0.000014
Durham	Aviat	AV1-5	3.049	0.282239	0.000010
Durham	Aviat	AV1-6	1.907	0.282207	0.000014
Durham	Aviat	AV6-1	0.630	0.282247	0.000045
Durham	Aviat	AV6-3	2.596	0.282233	0.000016
Durham	Aviat	AV6-4	1.946	0.282212	0.000031
Durham	Aviat	AV6-6	0.198	0.282222	0.000027
Durham	Chidliak	CHI-2	0.735	0.282710	0.000012
Durham	Chidliak	CHI-3	1.025	0.282818	0.000011
Durham	Chidliak	CHI-4	1.125	0.282765	0.000032
Durham	Chidliak	CHI-5	0.900	0.282761	0.000033
Durham	Chidliak	CHI-6	0.923	0.282698	0.000015
Durham	Darby	L-2A-2	2.840	0.282623	0.000028
Durham	Darby	L-2A-3	14.019	0.282596	0.000005
Durham	Darby	L-2A-4	4.535	0.282600	0.000011
Durham	Darby	MK-1	1.308	0.282556	0.000044
Durham	Darby	MK-4	5.348	0.282576	0.000018
Durham	Darby	MK-1	2.481	0.282628	0.000034

Durham	Darby	MK-2	1.153	0.282568	0.000066
Durham	Victoria Island	SB-2-1	3.149	0.282872	0.000008
Durham	Victoria Island	SB-2-2	0.631	0.282862	0.000034
Durham	Victoria Island	SB-2-3	0.546	0.282812	0.000043
Durham	Victoria Island	SB-2-4	0.974	0.282911	0.000027
Durham	Victoria Island	SB-2-6	0.458	0.282880	0.000044
Durham	Victoria Island	SO-3	4.185	0.282878	0.000031
Durham	Victoria Island	SO-6	5.283	0.282860	0.000011
Durham	Diavik	A1N-1	0.553	0.282860	0.000025
Durham	Diavik	A1N-2	0.955	0.282785	0.000028
Durham	Diavik	A1N-3	0.456	0.282773	0.000072
Durham	Diavik	A1S-2	0.845	0.282968	0.000015
Durham	Diavik	A1S-4	1.631	0.282946	0.000017
Durham	Ekati	PAN-3	1.751	0.282924	0.000027
Durham	Ekati	PAN-4	4.322	0.282939	0.000015
Durham	Ekati	PAN-5	6.719	0.282922	0.000005
Durham	Ekati	TOR-1	1.244	0.283117	0.000708
Durham	Ekati	TOR-2	1.867	0.282926	0.000062
Durham	Ekati	TOR-3	2.302	0.282910	0.000072
Durham	Ekati	TOR-5	1.934	0.283014	0.000107
Durham	Ekati	TOR-6	0.181	0.283119	0.000428
Durham	Drybones Bay	DB-10-1	2.286	0.282557	0.000005
Durham	Drybones Bay	DB-10-2	2.432	0.282555	0.000004
Durham	Drybones Bay	DB-10-3	2.159	0.282554	0.000004
Durham	Drybones Bay	DB-3-1	1.894	0.282555	0.000003
Durham	Drybones Bay	DB-3-2	2.732	0.282558	0.000003
Durham	Drybones Bay	DB-3-3	1.730	0.282554	0.000004
Durham	Drybones Bay	DB-3-4	1.212	0.282560	0.000004
Durham	Drybones Bay	DB-4-1	1.535	0.282562	0.000005
Durham	Drybones Bay	DB-4-2	1.739	0.282556	0.000005
Durham	Drybones Bay	DB-4-3	0.710	0.282555	0.000008
Durham	Drybones Bay	DB-4-4	1.096	0.282556	0.000006
Durham	Jericho	JER-3	1.413	0.282863	0.000013
Durham	FALC	EJF-KB-1	4.364	0.282760	0.000014
Durham	FALC	EJF-KB-3	5.497	0.282755	0.000013
Durham	FALC	EJF-KB-4	4.495	0.282755	0.000004
Durham	FALC	P2-VK-2	7.067	0.282766	0.000006
Durham	FALC	P2-VK-3	5.288	0.282765	0.000007
Durham	FALC	P2-VK-4	16.437	0.282661	0.000018

Durham	FALC	C-KB-1	3.686	0.282732	0.000006
Durham	FALC	C-KB-2	4.606	0.282730	0.000006
Durham	New Liskeard	NL-1	0.52	0.282729	0.000144
Durham	New Liskeard	NL-2	0.453	0.282844	0.000072
Durham	Victor	VIC-1	5.209	0.283030	0.000022
Durham	Victor	VIC-2	7.796	0.283029	0.000030
Durham	Victor	VIC-3	0.813	0.283082	0.000106
Durham	Victor	VIC-4	2.300	0.283027	0.000030
Durham	Victor	VIC-6	5.145	0.283049	0.000030
Durham	Wemindji	WEM-1	3.565	0.282582	0.000005
Durham	Wemindji	WEM-2	2.881	0.282555	0.000009
Durham	Wemindji	WEM-5	0.712	0.282532	0.000018
Durham	Wemindji	WEM-6	1.545	0.282541	0.000014

Table I.4 Horn Plateau Mg-Ilmenite MC-ICP-MS Hf isotopic composition results (all corrected ratios)

Analysis Facility	Analysis Date	Grain No.	Weight (mg)	176Hf/177Hf	± (2s)	Age group
U of A	25/03/2016	17961-001	2.019	0.282587	0.000009	Neoproterozoic-Silurian
U of A	25/03/2016	17961-003	4.222	0.282568	0.000005	Neoproterozoic-Silurian
U of A	25/03/2016	17961-006	2.664	0.282620	0.000019	Neoproterozoic-Silurian
U of A	25/03/2016	17961-007	4.254	0.283043	0.000020	Devonian-Paleogene
U of A	18/01/2017	17961-008	6.211	0.282899	0.000015	Devonian-Paleogene
U of A	25/03/2016	17961-009	3.404	0.282586	0.000004	Neoproterozoic-Silurian
U of A	25/03/2016	17961-010	2.899	0.282557	0.000013	Neoproterozoic-Silurian
U of A	18/01/2017	17961-011	7.627	0.282800	0.000015	Devonian-Paleogene
U of A	18/01/2017	21737-001	6.258	0.283094	0.000035	Devonian-Paleogene
U of A	25/03/2016	21737-002	1.997	0.282524	0.000008	Neoproterozoic-Silurian
U of A	18/01/2017	21737-003	5.512	0.283024	0.000021	Devonian-Paleogene
U of A	25/03/2016	21742-001	4.367	0.282904	0.000016	Devonian-Paleogene
U of A	25/03/2016	21742-003	3.428	0.282551	0.000006	Neoproterozoic-Silurian
U of A	18/01/2017	21742-004	4.268	0.282977	0.000032	Devonian-Paleogene
U of A	25/03/2016	21742-005	1.645	0.282897	0.000029	Devonian-Paleogene
U of A	18/01/2017	21742-007	2.200	0.282746	0.000029	Devonian-Paleogene
U of A	25/03/2016	21742-008	3.621	0.282549	0.000017	Neoproterozoic-Silurian
U of A	25/03/2016	21742-009	2.549	0.283011	0.000025	Devonian-Paleogene
U of A	25/03/2016	21748-001	2.540	0.282771	0.000009	Devonian-Paleogene
U of A	18/01/2017	21748-002	7.921	0.283034	0.000019	Devonian-Paleogene