Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: geochemical and geophysical **TOTAL COST:** 191,670

AUTHOR(S): John Buckle **SIGNATURE(S):** John Buckle

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): ~~5557772~~, 5606061 June 14, 2016 June 8, 2016 **YEAR OF WORK:** 2015

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S):

PROPERTY NAME: Hot Bath

CLAIM NAME(S) (on which the work was done): Hot Bath Extension, Hot Bath NW

COMMODITIES SOUGHT: copper, gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Liard **NTS/BCGS:** 104 I

LATITUDE: 58 ° 10 '04 " **LONGITUDE:** 129 ° 33 '32 " **(at centre of work)**

OWNER(S):
1) Brian Johnson 2)

MAILING ADDRESS:
P.O. Box 3173, Whitehorse, Yukon, Y1A 6L3

OPERATOR(S) [who paid for the work]:
1) DeCoors Mining Corp. 2)

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P.O. Box 3173, Whitehorse, Yukon Y1A 6L3

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
mid-Jurassic calc-alkaline intrusive, Three Sisters, Hotailuh Batholith

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 34288, 35456

Next Page

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			7,000
Electromagnetic			
Induced Polarization			118,750
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			65,920
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	191,670

Report on Mobile Metal Ion, Induced Polarization and Ground Magnetometer Survey on the Hot Bath Property, Dease Lake Area, Liard Mining Division, British Columbia

BC Geological Survey
Assessment Report
36409

Decimal Degrees

Latitude: 58.167792

Longitude: -129.558928

Degrees, Minutes, Seconds

Latitude: 58° 10' 04'' N

Longitude: 129° 33' 32'' W

NTS 104 I

UTM Easting: 467117 m Northing: 6447527 m Zone: 9

WRITTEN FOR:

DeCoors Mining Corp. P.O. Box 3173, Whitehorse, Yukon Y1A 6L3

WRITTEN BY:

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DATED: November 15, 2016

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Summary

The Hot Bath claim block covers over 3,600 hectares near the centre of the East sheet of the recently studied Quest Northwest project of Geoscience BC. The property was selected based on results from rock geochemistry and geological mapping completed as part of the Quest study. An airborne magnetic geophysical survey of the area supports the interpretation of mid-Jurassic calc-alkaline intrusives that are known to be favourable host rocks for copper-gold mineralization (Aris report 34288). This report is a description of a mobile metal ion geochemical survey, an induced polarization and magnetometer geophysical surveys on the Hot Bath property. During the 2015 field season 760 mobile metal ion soil geochemistry samples were collected on nineteen parallel east-west lines near the centre of an interpreted intrusive and several irregular sample lines at 25 meter stations. Induced polarization data was collected on twelve northwest/southeast geophysical survey and some samples were collected along on two variable lines, along with rock samples from outcrop. These rock samples were taken from steeply dipping foliated gossanous quartz monzonite. The MMI data was reprocessed using data processing software by Geosoft and for the creation of enhanced interpretation maps. The correlation between the data and the interpreted geological information is excellent. The data indicated a ringed intrusive with anomalous samples of copper and gold on the structure. The property has the potential to host a mineralized porphyry intrusive similar to the nearby Gnat and Red Chris deposits. On two occasions in 2014 samples were collected for a total of 56 soil samples 43 using MMI technique and analysis and 13 standard soil with ICP analysis and 4 rock samples described in assessment report 35456. This report describes the mobile metal ion (MMI) soil geochemistry survey, property prospecting and outcrop rock samples and induced polarization and magnetometer geophysical surveys.

The Hot Bath property has the potential to host a copper and/or copper-gold porphyry. The geology as identified by Geoscience BC indicates a mid-Jurassic assemblage of calc-alkaline plutonic rocks of favourable composition to be mineralized. This coupled with high copper values from samples acquired within the claim block and the circular magnetic structure support the premise for a mineralized intrusive. The Quest study area included a more detailed study of the area of the Hot Bath claims. The study identified a new mineralized zone named Pat West. Two samples were taken during the study one of which reported over 0.7% copper. The other sample was reported to have been taken from a pyrite zone. These samples, along with the mapped geology and geophysical circular structure suggest a mineralized differentiated intrusive. This is a reasonable interpretation further supported by the fact the structure is located along a geological contact and within a few kilometers of a major fault structure striking northwesterly. The MMI survey shows anomalous copper and gold on the flanks of the magnetic high interpreted to be an intrusive in the center of the Hot Bath claim block. During the MMI survey, prospecting located an outcropping quartz-sulphide vein that was sampled with 3 rock samples taken from the same location. These samples returned high values of copper > 3% and gold values > 3 g/t. A continuation of geochemical sampling program is recommended to determine the extent of the mineralization in the project area. Geophysical survey with induced polarization, magnetometer and MMI soil surveys were conducted during the 2015 field season and the results of these surveys are described in this report.

Introduction

This report discusses the results of an MMI soil geochemical and geophysical surveys within DeCoors Mining Corp.'s, Hot Bath property in British Columbia, Canada. The data used was taken from parallel survey lines on the property, which is located between the communities of Dease Lake and Iskut, BC in the spring and summer of 2014. The 760 MMI samples, 12 line kilometers of IP and 3.5 line kilometers of magnetometer data were collected by field crews contracted by DeCoors Mining Corp. This report was written by John Buckle of Geological Solutions at the request of Mr. PETER MICHAEL BURJOSKI, of DeCoors Mining Corp., during the period from September 4th to November 15th, 2016. The main purpose of this report is to describe the work done and interpret the results of an MMI soil survey data and geophysical surveys conducted on claim numbers 1025437 and 1036552 near the centre of the Hot Bath claim block. The objective of the exploration program on this property is the search for copper/gold porphyry mineralization. Survey described in this report took place on two separate occasions; the first visit on August 11, 2015 and the second visit took place from 2015. This report interprets the data and describes the survey logistics, the data processing, presentation, and provides the specifications of the survey. The work was conducted by an eight-man crew: Kyle Brennan (labourer), Blayne Nickal, and Robert Voth Matt Fraser(operator), James Fraser (labourer), Hanjo Zink (labourer), Robert (labourer), Kevin Graber (labourer), and Paul Hoffman(cook) and administration by Peter Burjoski (expediter and project management) and John Buckle, P.Geo. (exploration management and supervision)

Site visit on July 16, 2015 was by John Buckle, Peter Burjoski, Matt Fraser and Ryan Dix, a subsequent visit by DeCoors was accompanied by Bram van Straaten while the geochemical sampling program was being conducted. ridge and found another mineralized vain 500 metres apart. Bram also found a rock and said, "if you want to sell a porphyry starter here you go" The rock is a rhyolite and it's blue and white with pyrite. This rhyolite vain is well exposed and gossanous.
The east west grid with 25 metre spacings and 100 metre lines and collected over 700 MMI soil samples and 6.1 line kilometers of induced polarization and 3.5 line kilometers of geophysical survey.



FIGURE 1 HOT BATH PROPERTY LOCATION MAP

Property and Ownership

The Project is comprised of eleven mineral claims covering a total area of 3634.4383 hectares in area 104I.013, owned 100% by Brian Johnson following a transfer agreement from DeCoors Mining Corp. and described as follows and as shown on table 1.

TABLE 1 CLAIM TABLE

Tenure Number	Type	Claim Name	Good Until	Area (ha)
1015381	Mineral	HOTBATH 1	20201002	34.1429
1025437	Mineral	HOT BATH EXTENTION	20201002	1587.5978
1036552	Mineral	HOTBATH NW	20160605	187.7245
1036633	Mineral	HOTBATH EAST	20201002	255.8932
1036634	Mineral	NW EXTENSION	20201002	204.716
1036737	Mineral	BLOCK C	20201002	102.393
1036738	Mineral	2 BIT	20201002	34.1328
1037490	Mineral	HOTBATH WEST	20201002	221.8763
1037491	Mineral	HOTBATH NORTH	20201002	119.4378
1037647	Mineral	HB SPUR	20201002	715.9183
1038270	Mineral	HOTBATH NORTH 2	20201002	170.6057

Total Area: 3634.4383 ha

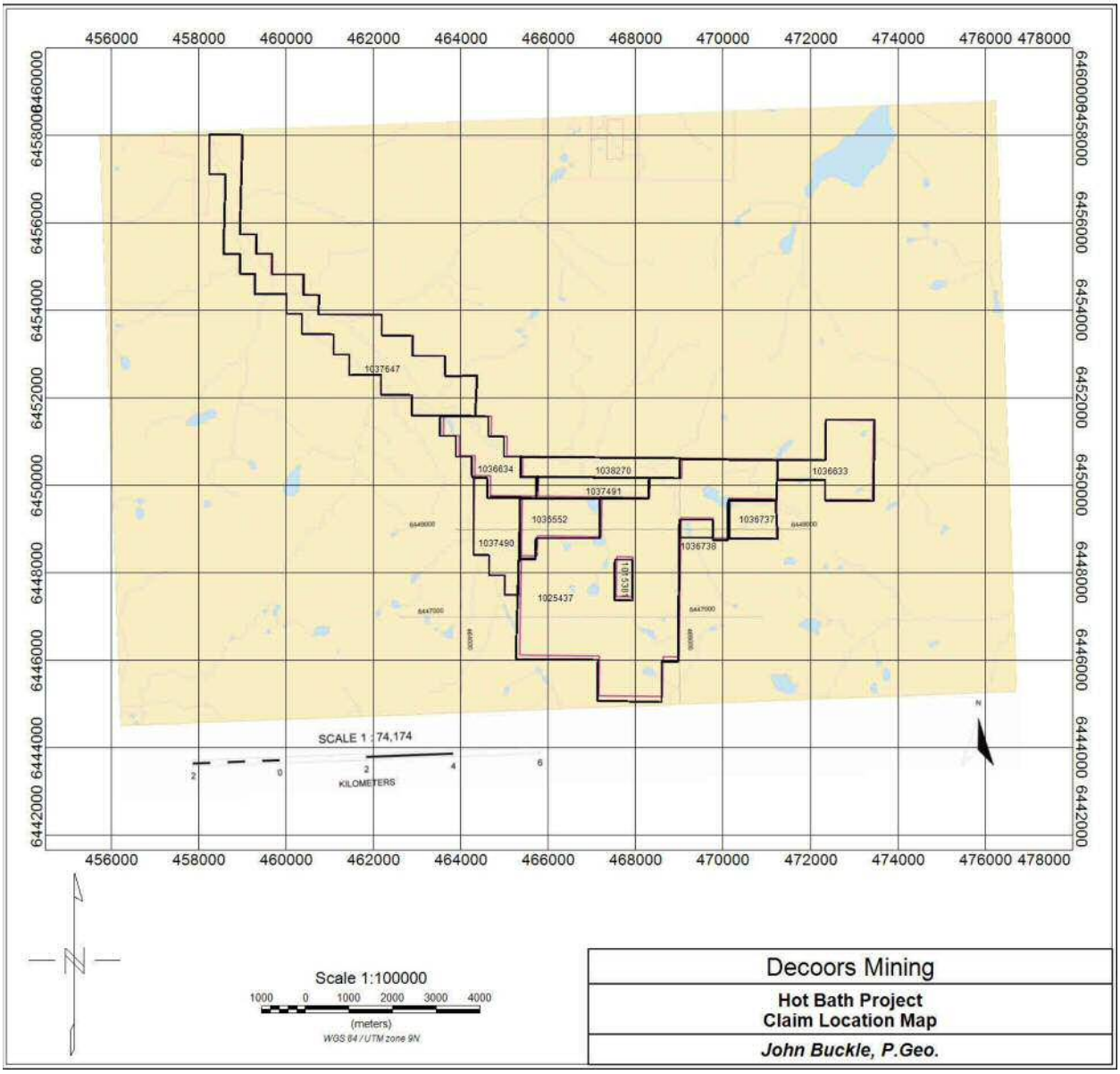


FIGURE 2 HOT BATH CLAIM MAP

Weather and Vegetation

The topography is gently sloping to moderately steep glacier eroded terrain. There are steep sided cirque valleys and some small cirque lakes. The streams were generally confined to these cirque valleys Steep razor back ridges and talus slope often occur at the upper slopes of the cirque valleys The vegetation is primarily alpine meadows and minor alpine fir spruce and shrubs, on some of the lower elevations sub alpine fir and spruce are common. The claim group lies almost all above tree line (1500m to 2000m) with several lakes – five connected in the central part of the claim and one in the southeast corner. As most of the property is above tree line numerous helicopter landing spots will occur throughout the claims. Approximately 6 kilometers northwest of the current property an old abandoned airstrip is noted in the headwaters of the Tanzilla River valley. The Tanzilla River headwaters 350 m west

of the claim block flows northwest year-round and is a tributary of the Stikine River. River drainage flows to the Pacific Ocean and the Continental Divide between the Pacific and Arctic Oceans lies a short distance to the North. The region has a relatively dry climate, and snow cover in winter is generally moderate. The climate in the area is semi-arid with moderately warm summers and cold dry winters. Typical temperature ranges are from mid to upper 20's C in summer and –20 to –30 C in winter. Precipitation averages about 100 cm. per year. For the most part vegetation is limited and consists primarily of alpine grasses, flowers and lichen on the plateau with occasional shrubs in wind protected areas. Fieldwork can normally start at lower elevations in early June and at the upper elevations by July. Cold weather, winds and snow squalls make field work difficult at the upper elevations past September although drilling programs have continued well into November at the nearby Red Chris deposit.

Access

The Hot Bath Tenures are situated in the Three Sisters Range, just East of the headwaters of the Tanzilla River and 38 km South-East of the community of Dease Lake and 42 km North-East of Iskut, B.C. Access would be by helicopter from Dease Lake and there is a staging area just off Highway 37 - 15 km west of the claims. Highway 37 is commonly called the "Stewart-Cassiar HGW". There is a bulldozer trail leading up the Tanzilla valley from the vicinity of the B.C. Rail right of way to within about 4km of the claims and would be passable to tracked vehicles. The (Hot Bath) Region may be entered by two principal routes: From Prince George summer boat traffic extends 350 miles from Summit Lake to Ware on Finlay River. From Ware fair pack-horse trail leads 44 miles up Fox River to Sifton Pass and continues North along the Trench to Lower Post on Liard River, which is 72 miles North-West of Chee House. The Alternative route is from Telegraph Creek - the head of navigation on Stikine River, and connected with Dease Lake by a 72 mile road. The trail from Dease Lake to Wheaton Creek is 45 miles long and connects with the down river trail which extends to the mouth of the Turnagain by way of Mosquito and Sand Creeks. Although the relief is as much as 5,500 feet all parts of the region may be reached on foot and the only hazardous sections are in the Granite Mountains. Pack-horse trails only are mapped and these are generally unobstructed; in addition, there are a few fragmentary trappers' and Indian trails. The Kechika is navigable below Driftpile Creek at high water. At low water Braid Creek marks the head of navigation for boats of moderate size. Frog River is ascended easily to Jackstone Creek and Gatage River is navigable beyond the canyon. Dease Lake has locally based helicopter and aircraft with scheduled Air service from Smithers. Smithers and Terrace locally supply this region. Road travel south on Highway 37 to Smithers is 7 hours. The region has had an active history in mining operations, and has been permitted for mineral exploration with heavy equipment and operators available. Smithers, Terrace, BC and Watson Lake, Yukon, are population centers with over 30,000 people that are within a three- to seven-hour drive, and Dease Lake is 38 kilometers northwest of the Hot Bath Claims. All these centers have been intimately involved with mineral exploration and mining operations and are able to provide all amenities including police, hospitals, groceries, fuel, helicopter services, hardware and other necessary items. Drilling companies are present in communities nearby while assay facilities are located in Prince George, Smithers, and Vancouver, British Columbia. Dease Lake has a small airport with a paved runway and a locally based helicopter. The airlines are recognizing the mining work in the area and Northern Thunder Air (NT Air) have flights Three days a week from Vancouver to Terrace with a connecting flight to Dease and named it the "Miner's Express".

Infrastructure

Dease Lake is 600 km from Smithers (about an 8 hour drive) Watson Lake, Yukon is 256 km and a 4 hour drive. Both have excellent supplies and service industry. It is also home to a grocery store, hardware store Propane and tire repair service, a gas station, restaurants and good accommodation. There is also an RCMP Outpost, BC forestry office, small hospital, Northern Collage and a school. Dease Lake has locally based helicopter and aircraft with scheduled Air service from Smithers. The region has had an active history in mining operations, and has been permitted for mineral exploration with heavy equipment and operators available. Smithers, Terrace, BC and Watson Lake, Yukon, are population centres with over 30,000 people that are within a three- to seven-hour drive, and Dease Lake is 38 kilometers northwest of the Hot-Bath Claims. All these centers have been intimately involved with mineral exploration and mining operations and are able to provide all amenities including police, hospitals, groceries, fuel, helicopter services, hardware and other necessary items. Drilling companies are present in communities nearby while assay facilities are located in Prince George, Smithers, and Vancouver, British Columbia. The nearest communities are Telegraph Creek and Dease Lake both are resource (mining, logging, and ranching) based communities with an experienced labour force. The communities are supply and service points for fuel, groceries, accommodation and heavy construction equipment. Both also have regular scheduled air and road service.

Geology

The Dease Lake area is situated within the Stikine terrane, an extensive subduction-generated island arc magmatic system responsible for recurring calcalkaline and/or alkaline plutonic events and associated Cu-Au mineralization, mainly during Late Triassic and Early Jurassic time. Prospective Mesozoic volcanic rocks exposed around the margins of the Bowser Basin form an arcuate belt containing porphyry deposits that include KSM (MINFILE 104B 103), Galore Creek (MINFILE 104G 090) and Shaft Creek (MINFILE 104G 015) deposits to the west, and the Kemess deposits (MINFILE 094E 094) to the east. The Dease Lake study area is located at the apex of this arcuate belt, immediately north of the Red Chris Cu-Au porphyry deposit (MINFILE 104H 005) and adjacent to the Hotailuh batholith, a large composite intrusive complex similar in age to the intrusions hosting porphyry mineralization at the Galore and Shaft Creek deposits. Numerous small plutons intrude mainly Late Triassic arc stratigraphy in the Dease Lake area. Neither the plutons nor the volcano-sedimentary rocks have undergone a thorough regional geological re-evaluation for mineral potential since being mapped by the Geological Survey of Canada in the late 1970s and early 1980s (Gabrielse et al., 1980; Anderson 1983, 1984). Modern detailed bedrock mapping is essential to characterize time–space relationships of this arc segment, which will allow an improved assessment of the potential for mineralization, comparison with mineralized arc segments elsewhere, and integration with the airborne magnetic program. In addition, the project will provide supplementary databases including rock geochemical classification, magnetic susceptibility and geochronology. These data will integrate with regional stream geochemical survey data and airborne geophysics to ensure cost effective exploration targeting for porphyry style mineralization.

Regional Geology

In the Middle Jurassic is characterized mainly by sedimentary rocks of Mesozoic basal clastic assemblage and overlie higher grade basement metamorphic rocks. The village of Likely sits along 14 the northeastern margin of the volcanic assemblage and along back arc-continental margin, volcanic-sedimentary facies change. At least two discrete magmatic events have a strong calc-alkaline affinity and

are responsible for at least two episodes of mineralization found in the area. 1. The intrusion-related magmatic-hydrothermal mineralization comprises predominantly copper, gold, silver, molybdenum and/or tungsten occurrences. 2. Mineral occurrences occur peripheral to the main batholith and along contact zones with mineral occurrences of porphyry copper.

MIDDLE JURASSIC THREE SISTERS PLUTONIC SUITE THREE SISTERS PLUTON

a) Tees Creek intrusive: MJ TC Altered Hbl-Fsp-porphyritic hypabyssal intrusive

b) Three Sisters potassic phase: MJ TSp Bt-bearing granite, Qtz-syenite and Qtz-monzonite with Kfs>Plag. Equigranular 1 mm to 4 mm; often 5-20 mm Kfs porphyritic. Includes pink Bt porphyritic dikes

c) Three Sisters central felsic phase: MJ TSc Bt and Hbl-Bt (rare Bt-Hbl) Qtz-monzonite and Qtzmonzodiorite with Plag>Kfs. Equigranular, 2-3mm; 4-5 mm Kfs porphyritic in places; dioritic xenoliths locally present

d) Three Sisters mafic phase: MJ TSm Hbl-rich (minor Bt-Cpx Hbl-rich) Qtz-diorite. Acicular Hbl 0.5-4 mm to 2-7mm; equant Hbl 1-2mm to 4-10 mm

e) Three Sisters finegrained mafic-interm. Phase: MJ TSf Hbl-Bt Qtz-diorite. Equigranular, 1-1.5 mm, often 10 vol.% 1.5-3 mm Plag porphyritic PROPERTY GEOLOGY Over 95% of the Property is covered by a thick mantle of overburden.

Rock units in the area include:

15 LTCH: Cake Hill Pluton Qtz monzonite MJTSm: Mafic Phase hornblende rich diorite MJSp/MJTSm Potassic Phase Qtz syenite/Qtz monzonite MJTSc Felsic Phase Qtz monzonite about 2.0 kilometres west of a batholith of coarse-grained biotite-hornblende quartz monzonite, and is probably a satellite intrusion related to the batholith. Three Sisters potassic phase is defined as (Bt-bearing) granite, Qtz syenite and Qtz monzonite with potassium feldspar. It is equigranular (1 mm to 4 mm_); often 5-20 mm potassium feldspar porphyritic. Includes pink porphyritic dikes. Three Sisters central felsic phase (middle Jurassic) may include rare Biotite-Hornblende, Quartz monzonite and Quartz monzodiorite with potassium feldspar. Equigranular, 2-3 mm; 4-5 mm porphyritic in places; dioritic xenoliths locally present. Three Sisters mafic phase MJ TSM hornblende-rich diorite (to Qtz diorite?). Acicular hornblende 0.5-4 mm to 2-7 mm; equant hornblende 1-2 mm to 4-10 mm. Three Sisters fine- grained mafic phase MJ TSF hornblende diorite (to Quartz diorite?). Equigranular, 1-1.5 mm, often 10 vol.% 1.5-3 mm Pl porphyritic. The nature of the Beggerlay Creek – Cake Hill contact was reinterpreted, and now includes all hornblende-rich diorite and gabbro up to an abrupt change (over a 10 m covered interval) to titanite-bearing, hornblende quartz monzonite of the Cake Hill pluton. Hornblende-rich diorite and gabbro closest to the contact, now assigned to the Beggerlay Creek pluton, are intensely foliated roughly parallel to the trace of the contact. Minor coarse K-feldspar±epidote dikes (unit LT BCP) crosscut the northwestern Beggerlay Creek pluton, and may be related to a 5 by 1 km biotite metasyenite phase of the Beggerlay Creek pluton mapped about 7 km to the east (Read and Psutka, 1990). Coarse K-feldspar dikes, similar to those within the Beggerlay Creek pluton, also crosscut the augite-phyric coherent rocks of the Stuhini Group near the contact with the mafic phases of the Beggerlay Creek intrusion. Intrusive relationships between the Beggerlay Creek and Cake Hill plutons were not observed, however Anderson (1983, pages 84-85, Appendix 2.3c) reports that in two locations a gabbro dike of suspected Beggerlay Creek affinity intrudes quartz monzodiorite of the Cake Hill.

Mineralization

Mineralization hosted in Late Triassic rocks varies widely in host rock, metal tenor and mineralization style and comprises: Cu only at the Gnat Pass porphyry-style prospect; Au+As±Sb (Cu, Ag reported) hosted in a shear/fault zone at the Dalvenie prospect; Au+Cu+Ag massive sulphide vein in felsic plutonic rocks at the newly discovered "Upper Gnat Creek" mineral occurrence; Cu±Mo pyritic fault zones in Stuhini volcanics at "Three Sisters south"; Cu with trace Ag as small bodies within the Cake Hill pluton at "Mat north"; Cu+Pb+Zn (reported) within stratiform to irregular bodies at the Mat showing; and • Cu (and Mo reported) at the vein-hosted Pat showing, found within the Late Triassic Cake Hill pluton, but closely associated with the Three Sisters pluton. Mineralization hosted in the Three Sisters pluton appears less variable, and comprises: Cu only at the "Pat west" and "Three Sisters" mineral occurrences; Geological Fieldwork 2011, Paper 2012-1 117 Cu±W at the "Three Sisters north" mineral occurrence; and Cu+Zn+Pb+Mo reported at the BCR showing. Possible metal zonation is present in both the "Pat west" and "Three Sisters" occurrences, with relatively large, gossanous, pyrite-dominated zones trending towards smaller quartz vein-hosted, pyrite+copper sulphide occurrences. Assay samples indicate 0.3-0.7% Cu in the copper sulphidebearing zones, and Cu±W in the possibly related "Three Sisters north" occurrence. The presence of mineralization in both the Late Triassic rocks and the Three Sisters Middle Jurassic (- Early Cretaceous?) pluton is suggestive of at least two mineralizing events within the Hotailuh batholith. Known intrusion-related mineral deposits in the northern Stikine tectonic terrane are predominantly of Late Triassic to Early Jurassic age (e.g. Red Chris, Galore, Shaft, GJ, KSM), and little to no Middle Jurassic to Early Cretaceous deposits have been recognized. Importantly, the presence 17 of mineral showings and occurrences hosted in the Three Sisters pluton suggests that these younger intrusions might deserve more attention than previously received.

Lithology

The composite Late Triassic to Middle Jurassic Hotailuh batholith occupies 2275 km2 at the centre of the Stikine arch, close to the northern margin of the Stikine terrane in northwestern BC. We present the preliminary results of detailed mapping, geochemical and geochonological sampling aimed at refining the temporal magmatic evolution of the batholith, and building a metallogenic framework that relates mineralization to magmatic events. The project is part of the Geoscience BC funded QUEST-Northwest program developed to stimulate mineral exploration in the northwestern part of the province. This study confirms that the Hotailuh batholith is prospective for intrusion-related mineral deposits that formed during at least two mineralizing events – an older event at ca. 220 Ma and a younger event at ca. 170 Ma. The Late Triassic calc-alkaline metallogenic event produced the Gnat Pass porphyry Cu and several other Cu and Cu-Au occurrences on the edges of the Hotailuh batholith, and may be temporally related with Cu mineralization at Schaft Creek further to the southwest. Newly discovered mineral occurrences in Middle Jurassic calc-alkaline plutonic rocks represent a relatively unrecognized metallogenic event that deserves more attention.

Previous Work

Although several assessment reports (e.g. ARIS 104I 034,104I 043) have reported work in the area no previous work has been done on the immediate area of the Hot Bath claims. Other reported work in the area include: PAT (MINFILE 104I 043) The Pat copper-molybdenum showing is centred around a drift covered valley north of peak 2196 m. In addition to copper ± molybdenum soil anomalies, several small

mineralized outcrops have been described to the south and southeast of the valley (Sadlier-Brown and Chisholm, 1971; Sadlier-Brown and Nevin, 1977). The mineralization reported by these authors comprises disseminations and siliceous veins carrying chalcopyrite and/or molybdenite. In one outcrop, mineralization is characterized by 1-10 mm pyrite±copper sulphide veins with silicified haloes. An assay sample from this location returned 0.3% Cu and slightly elevated Au and 18 Ag (11BVA13-74 in Table 4). The veins are hosted by biotite-hornblende quartz monzonite and quartz monzodiorite, most likely related to the Cake Hill pluton. Biotite quartz monzonite and quartz monzodiorite, interpreted as the central felsic phase of the Three Sisters pluton, is exposed 100 m to the northeast of this mineral occurrence. MAT (MINFILE 104I 034) The Mat copper-lead-zinc showings are located in a deeply incised forested valley system on the southern margin of the Cake Hill pluton, several kilometres north of the Stikine River. The area south and southwest of the showing is part of the Stikine River Provincial Park. Poorly exposed fine grained, stratified sedimentary rocks are found in the valleys and are overlain by more competent augite-phyric coherent rocks exposed at topographically higher levels (Figure 3f). Both the sedimentary and volcanic rocks, as well as surrounding foliated hornblende diorites and gabbros, ultramafic rocks and hornblende quartz monzonites, have been reported to host copper, lead and/or zinc sulphide occurrences (McAusland, 1971). In addition, a soil survey (McAusland, 1971) indicated moderately elevated values of nickel (>300 ppm) over part of the survey area, likely related to occurrences of ultramafic rocks. We identified several sulphide occurrences in the fine grained sedimentary rocks, and one within the Cake Hill pluton (see “Mat north” new mineral occurrence). The mineralization within the sedimentary rocks occurs in laminated to very thinly bedded siltstones to medium- grained sandstones, and forms stratiform and more irregular-shaped bodies up to 20 m wide. The sulphides occur as fine to very fine grained disseminations, stratiform horizons and/or within veinlets. Silicification and/or quartz-pyrite veins occur locally. No copper oxides, copper sulphides, galena or sphalerite were observed, possibly due to their very fine grain size.

In 2014, in order to test for the geochemical signature of a covered mineral deposit, a total of 56 mobile metal ion (MMI) samples were collected from the Hot Bath property. MMI samples were collected at ~25 m intervals transecting aeromag geophysical anomalies.

GEOLOGICAL UNITS

The Hotailuh batholith comprises a number of different plutons and plutonic phases. It can be subdivided into three plutonic suites, the Late Triassic (ca. 222-226 Ma), Early Jurassic (ca. 184-190 Ma) and a Middle Jurassic–Early Cretaceous suite (ca. 165-171 Ma and ca. 117 Ma, respectively). The Late Triassic plutonic suite comprises, in decreasing age, the Gnat Lake ultramafic to mafic bodies, Cake Hill felsic pluton and Beggerlay Creek ultramafic to mafic pluton. Similar mineralogy, texture, compositional variation and magnetic susceptibility may indicate a genetic link between the Gnat Lake and Beggerlay Creek plutons. Limited evidence of crosscutting relationships suggests that the Gnat Lake ultramafite is older than the Cake Hill pluton, and earlier studies by Anderson (1983) suggest that the Beggerlay Creek pluton is younger than the Cake Hill pluton. However, demonstrable crosscutting relationships are rare, and perhaps all Late Triassic mafic–ultramafic plutonic rocks are roughly age equivalent. The Late Triassic plutonic suite is spatially associated with, and in places intrudes, poorly exposed and poorly dated, intermediate-mafic volcanic and the Three Sisters fine grained mafic phase, showing orange brown altered zone of the “Three Sisters” mineral occurrence. Zone is intensely goethite-stained, contains abundant disseminated pyrite and pyrite in steeply dipping, west-northwest striking fractures.

Geophysical data

Induced Polarization

TABLE 2 IP LINE LENGTHS

IP Lines	Meters
line 1	750
Line 2	550
Line 3	450
Line 4	550
Line 5	575
Line 6	525
Line 7	500
Line 8	425
Line 9	250
Line 10	250
Line 11	325
Line 12	975
	6125

The Induced Polarization survey was conducted with Iris Instrument Elrec Pro receiver coupled with an Iris Instruments ten kilowatt transmitter. The receiver was set to record values from n=1 to values of n=10, meaning that the readings represent depths of 12.5 meters per depth value.

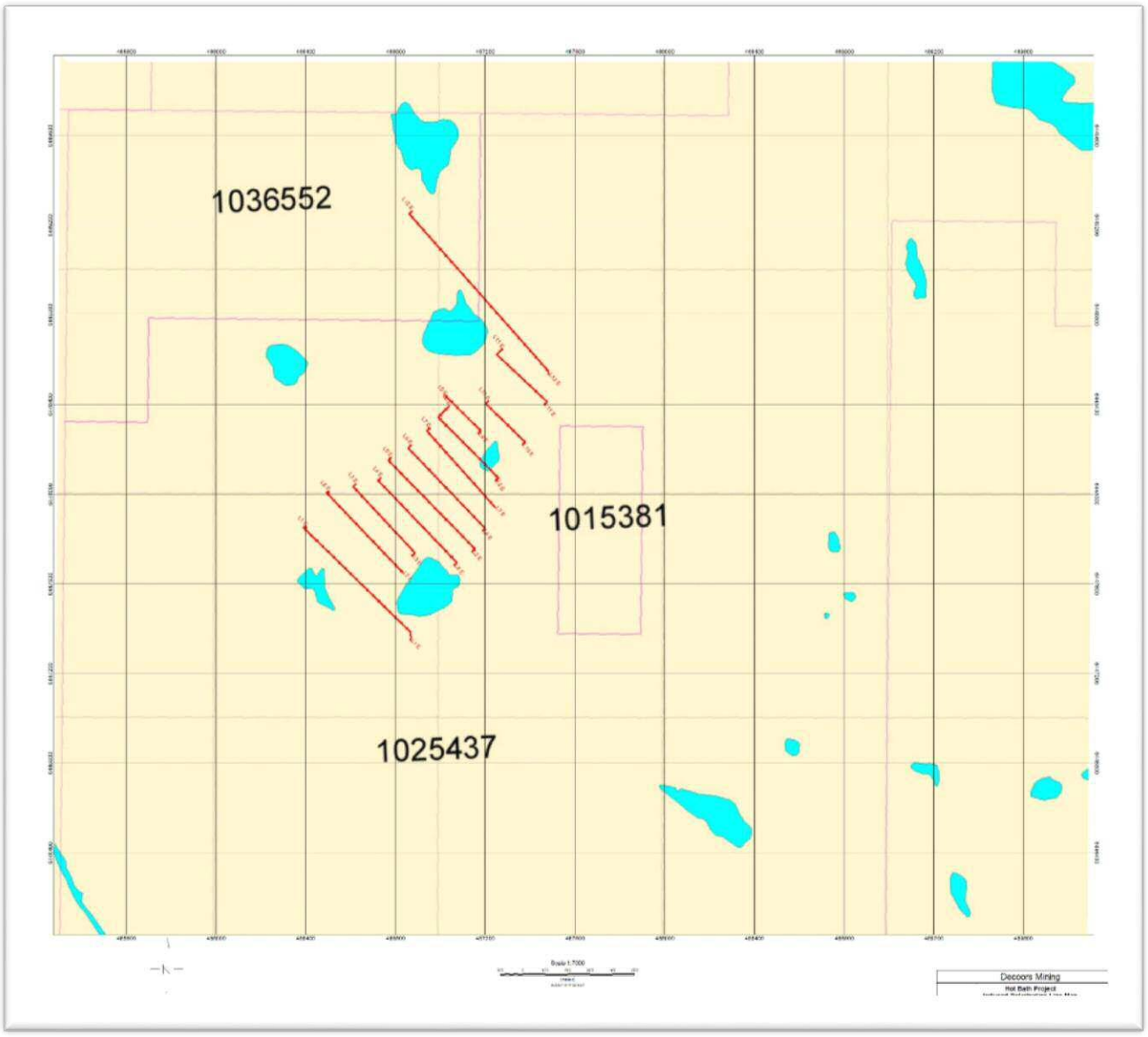


FIGURE 3 IP LINE LAYOUT

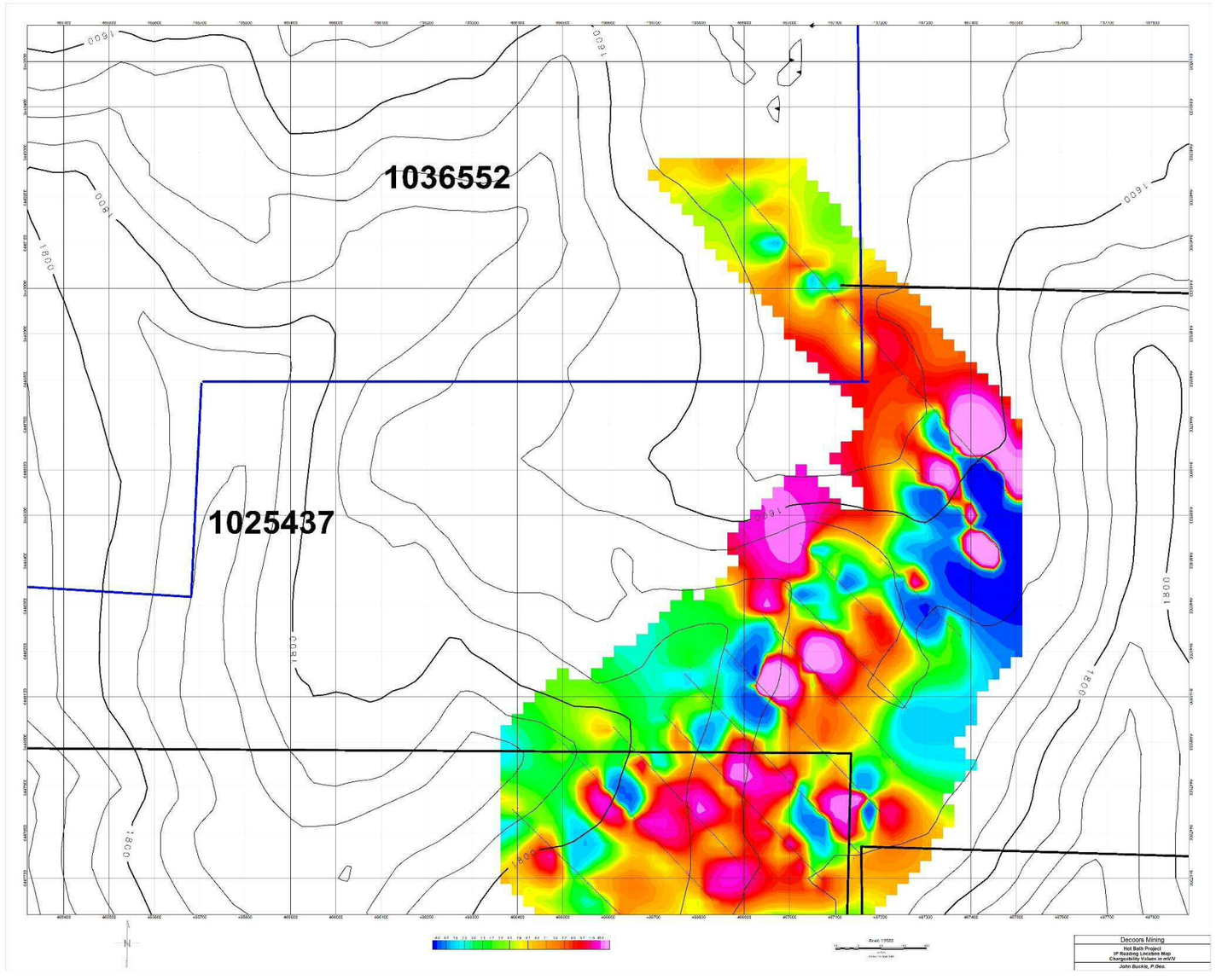
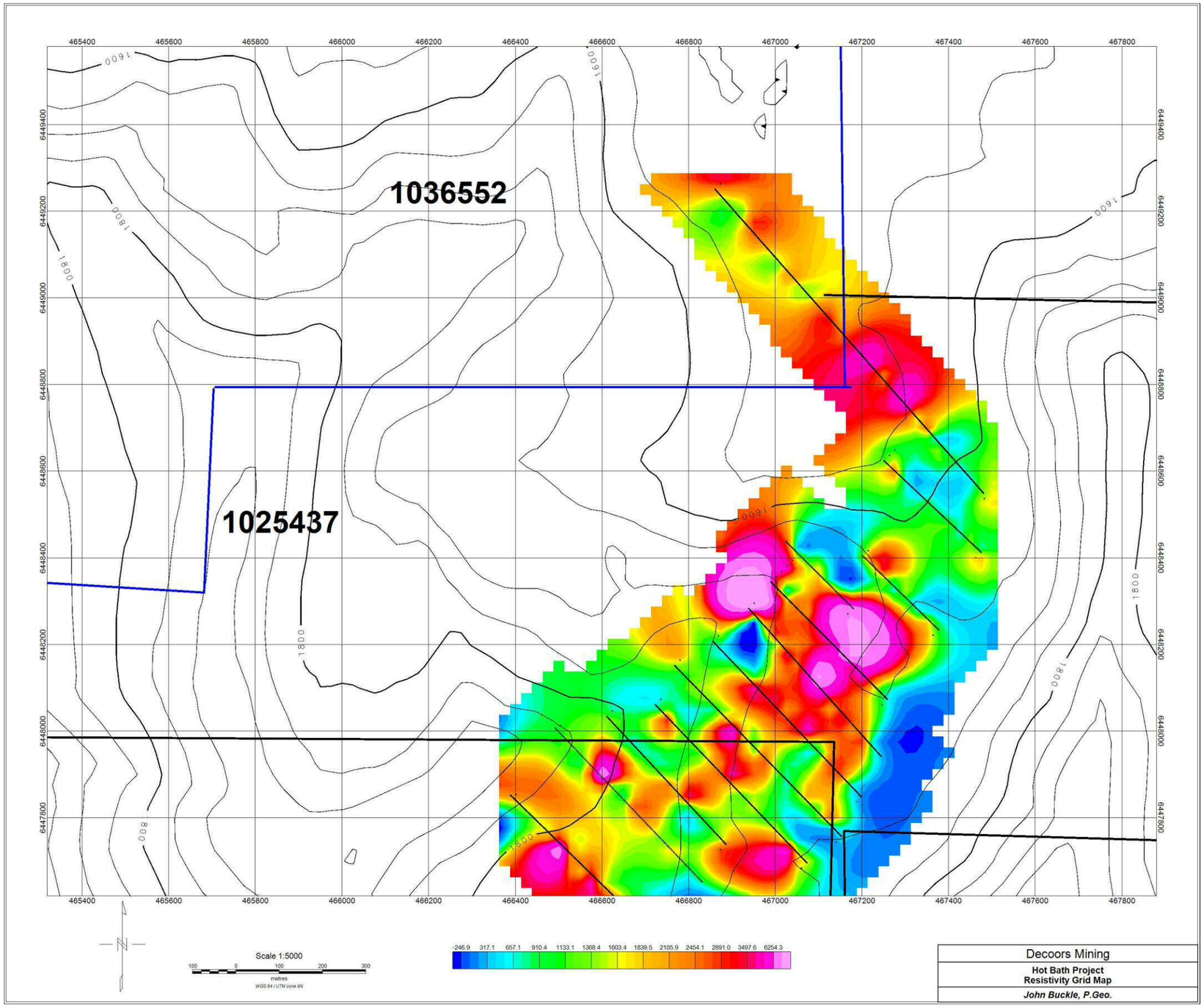


Figure 4 IP Chargeability Colour Grid Map


1036552
1025437
465400
465600
465800
466000
466200
466400
466600
466800
467000
467200
467400
467600
467800
6449400
6449200
6449000
6448800
6448600
6448400
6448200
6448000
6447800
1600
1800
Scale 1:5000
100 0 100 200 300
metres
WGS 84 / UTM zone 9N
-246.9 317.1 657.1 910.4 1133.1 1368.4 1603.4 1839.5 2105.9 2454.1 2891.0 3497.6 6254.3
Decoors Mining
Hot Bath Project
Resistivity Grid Map
John Buckle, P.Geo.

The 3D block presentation of the chargeability data (figure 6) could be interpreted to show a circular structure with a central anomaly. The anomaly appears to indicate a south-westerly dip of the central target. An approximately 100 meters wide trends north-east by south-west across the survey grid. This trend is coincident with interpreted geological units, specifically the potassic phase of the Three Sisters intrusive unit.

On the north-west arm of the survey grid and east-west break in the characteristics of the IP data corresponds with the contact with the Cake Hill mafic units with the Three Sisters potassic unit and may represent a later dyke with less chargeable sulphide mineralization.

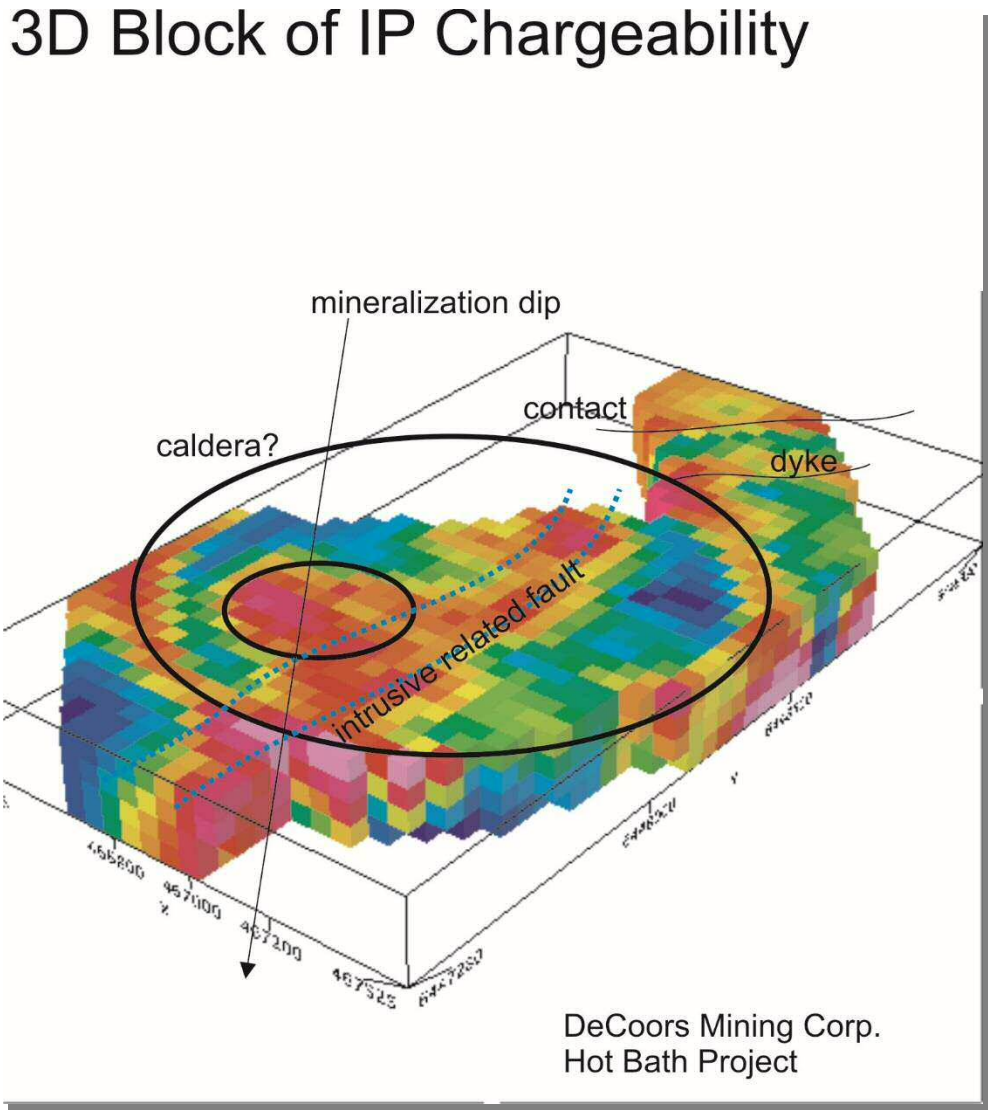


FIGURE 5 3D BLOCK MODEL OF IP CHARGEABILITY

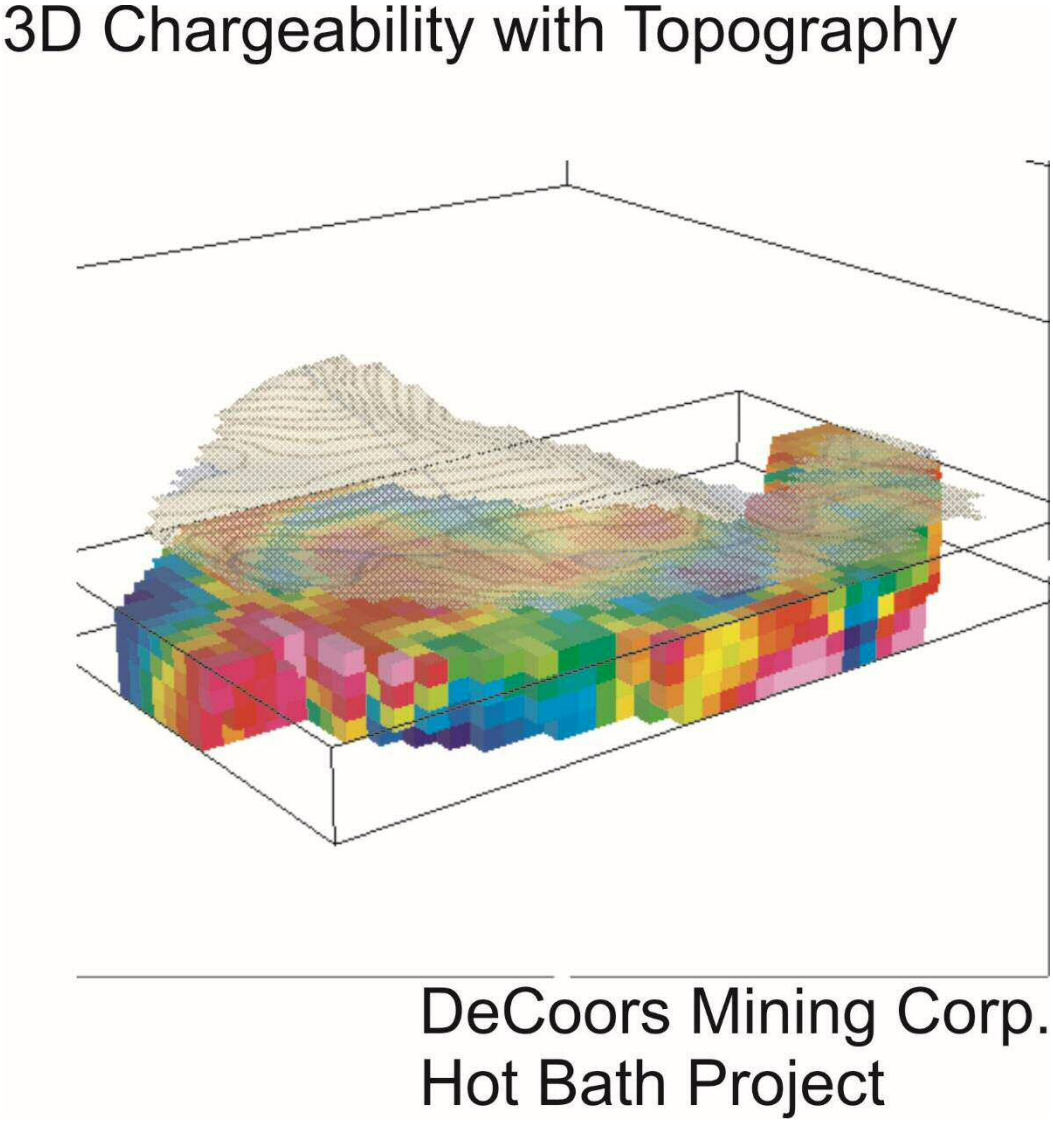


FIGURE 6 3D BLOCK OF CHARGEABILITY WITH TOPOGRAPHY

Superimposing the topography on the 3D block model we see that the circular ring of anomalous chargeability, which is also coincident with the magnetic data conform to the topographic ridge that forms the outer rim of the cirque.

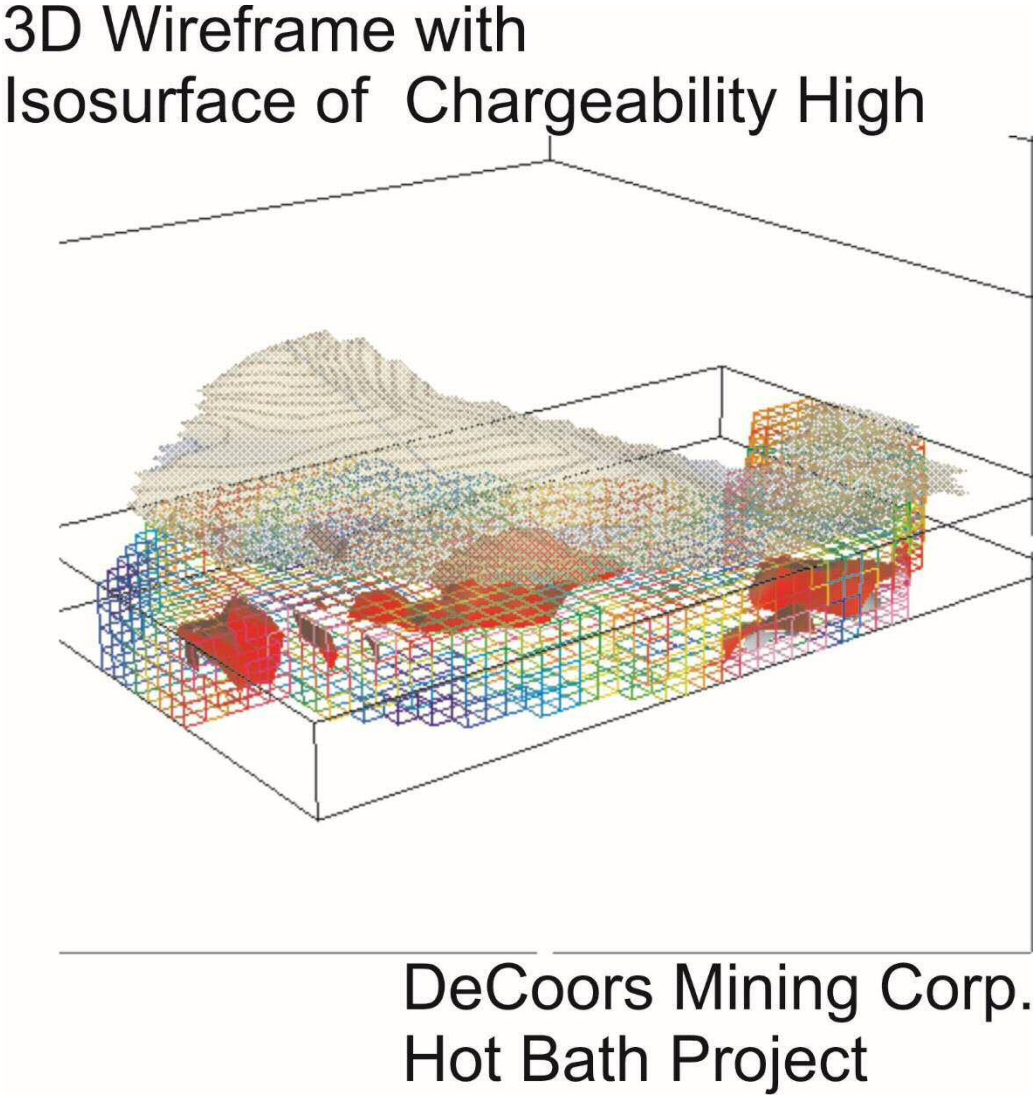


FIGURE 7 3D ISOSURFACE OF CHARGEABILITY WITH TOPOGRAPHY

By taking an arbitrary threshold consistent with sulphide mineralization to show the anomalous chargeabilty data as 3D isosurface bodies the data conforms to the interpreted geological model of mineralized bodies. The MMI data also conforms to these bodies.

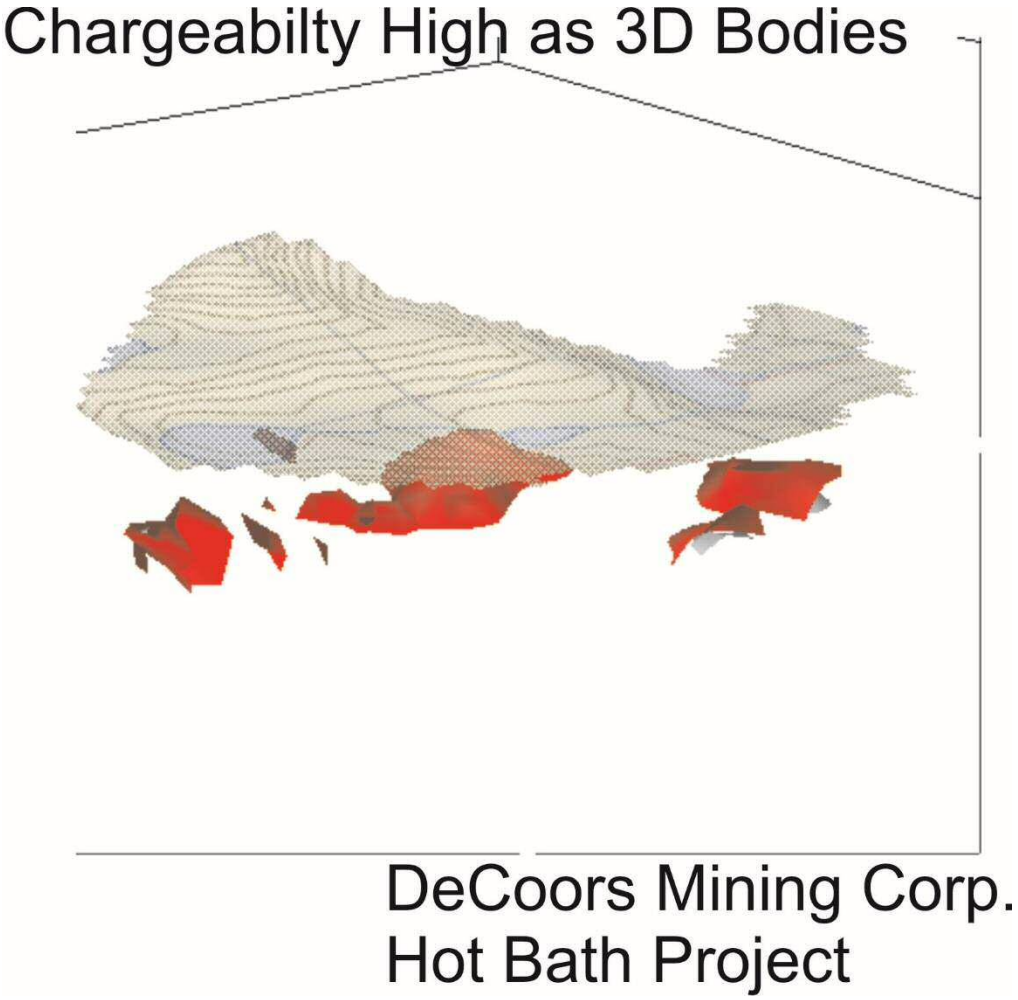


FIGURE 8 PLAN VIEW OF CHARGEABILITY ON TOPOGRAPHY

Figure 7 projects the 3D isobodies onto a plan view of the topography. In this vies the anomalies form in

the centre of the cique.

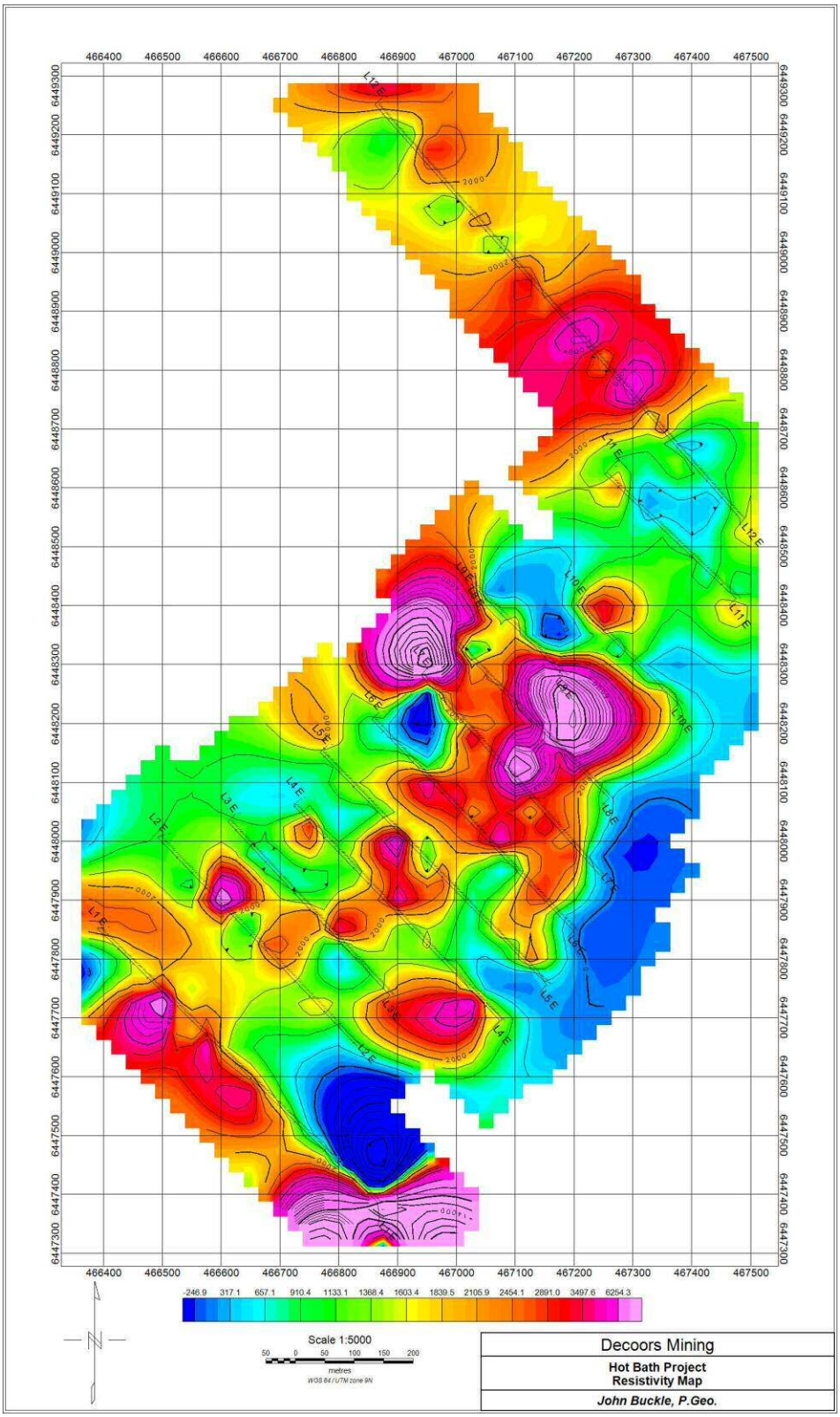


FIGURE 9 RESISTIVITY MAP

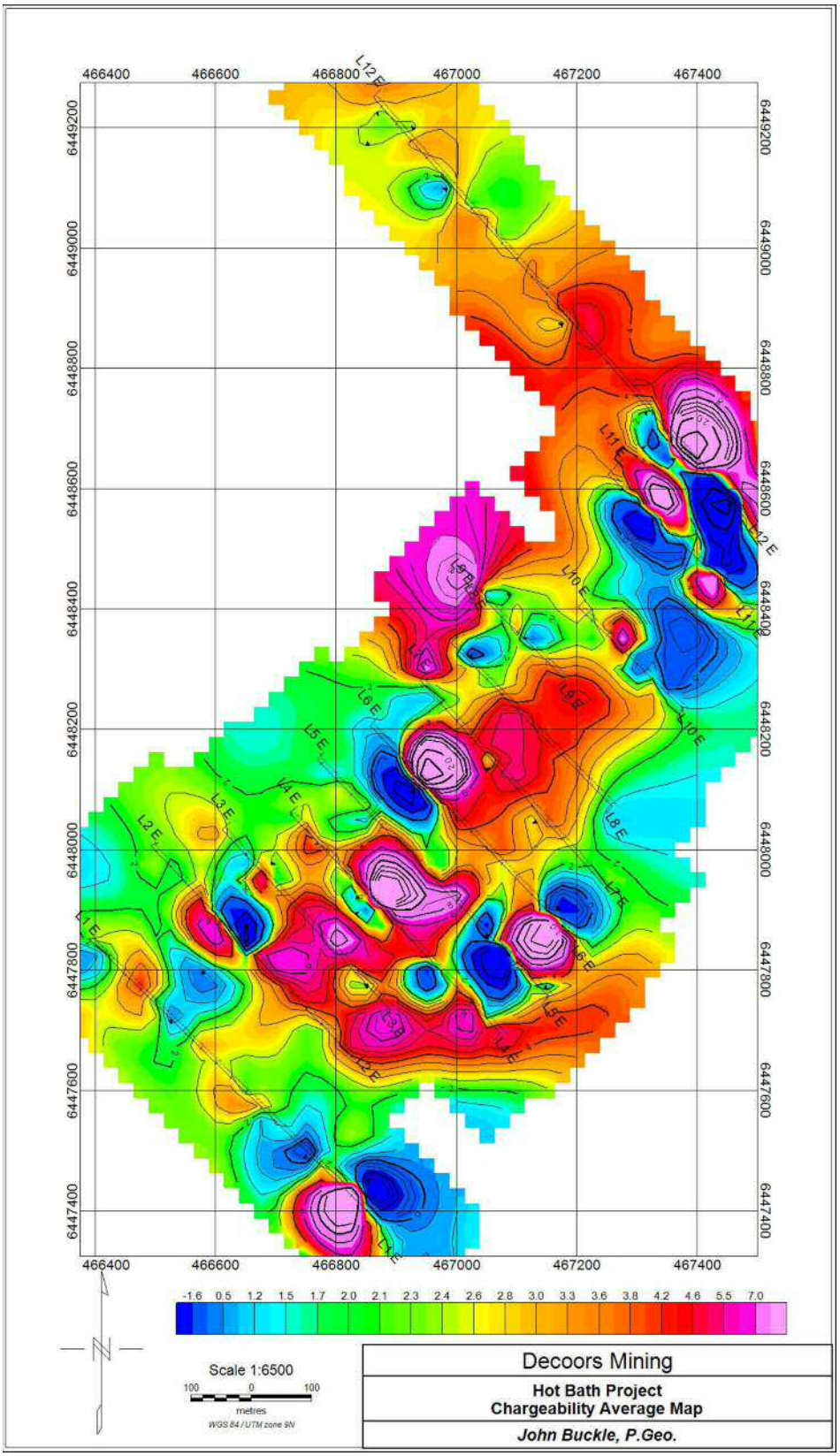


FIGURE 10 CHARGEABILITY AVERAGE MAP

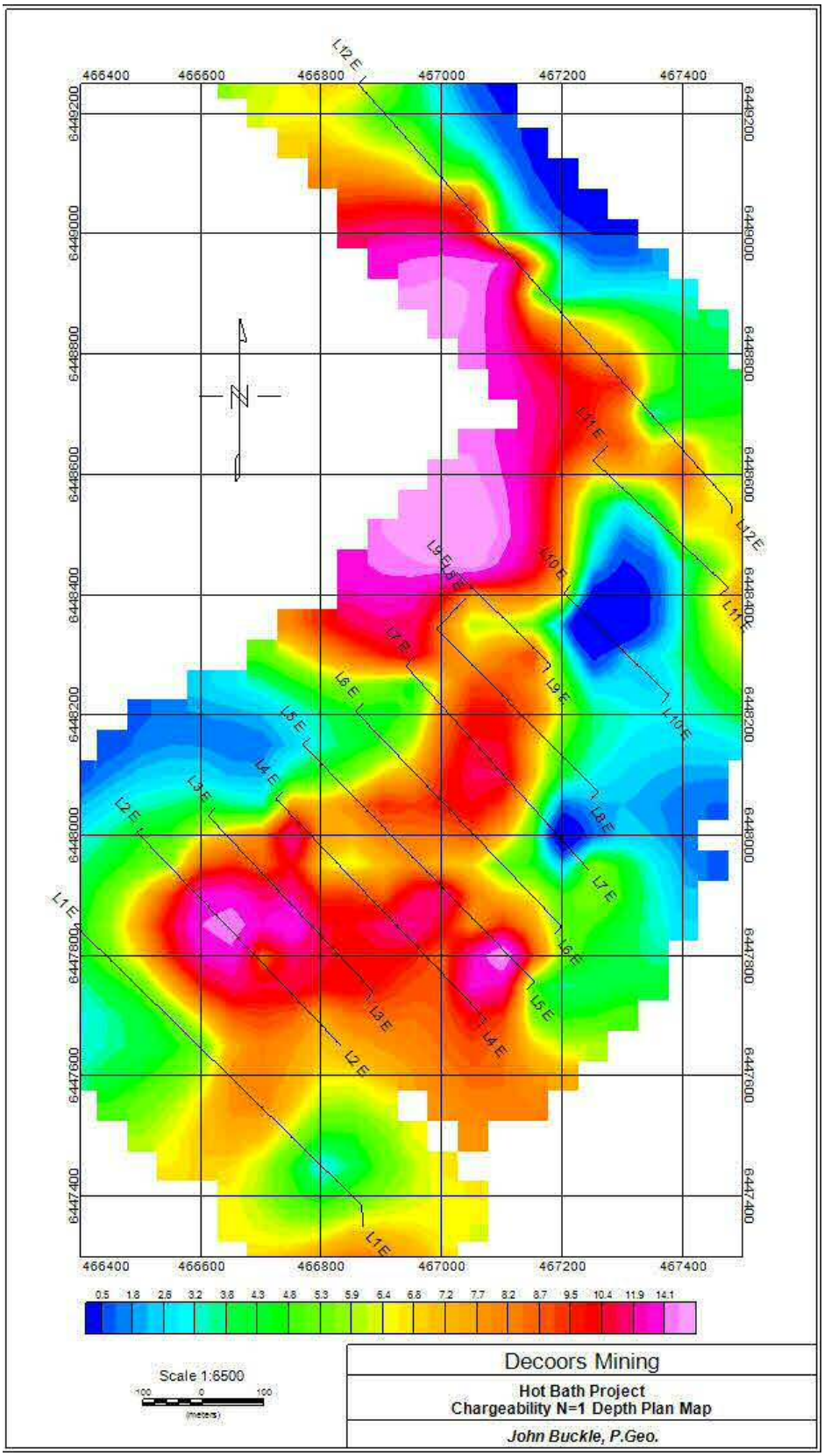


FIGURE 11PLAN MAP OF DEPTH N=1

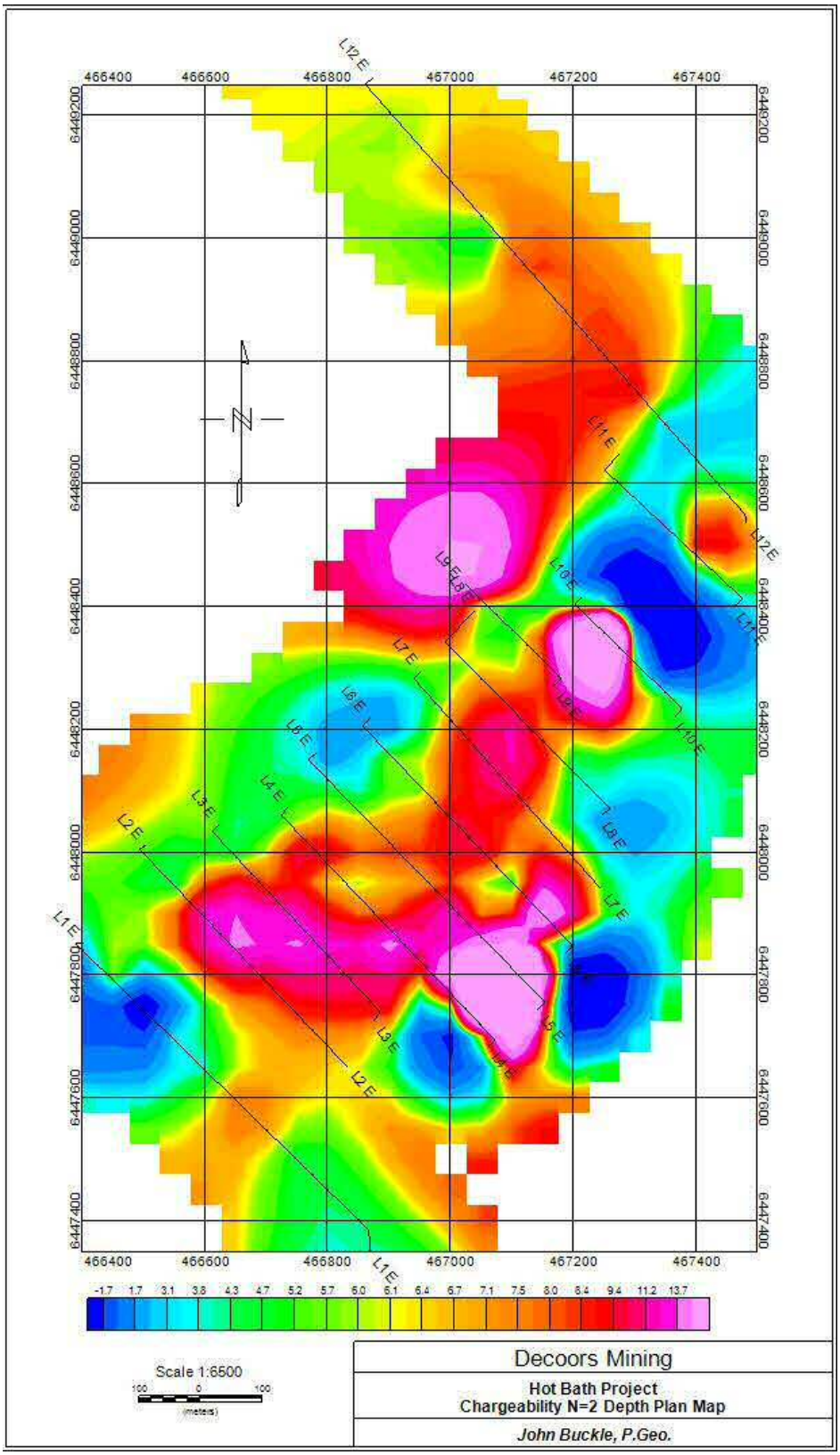


FIGURE 12 CHARGEABILITY PLAN MAP DEPTH N=2

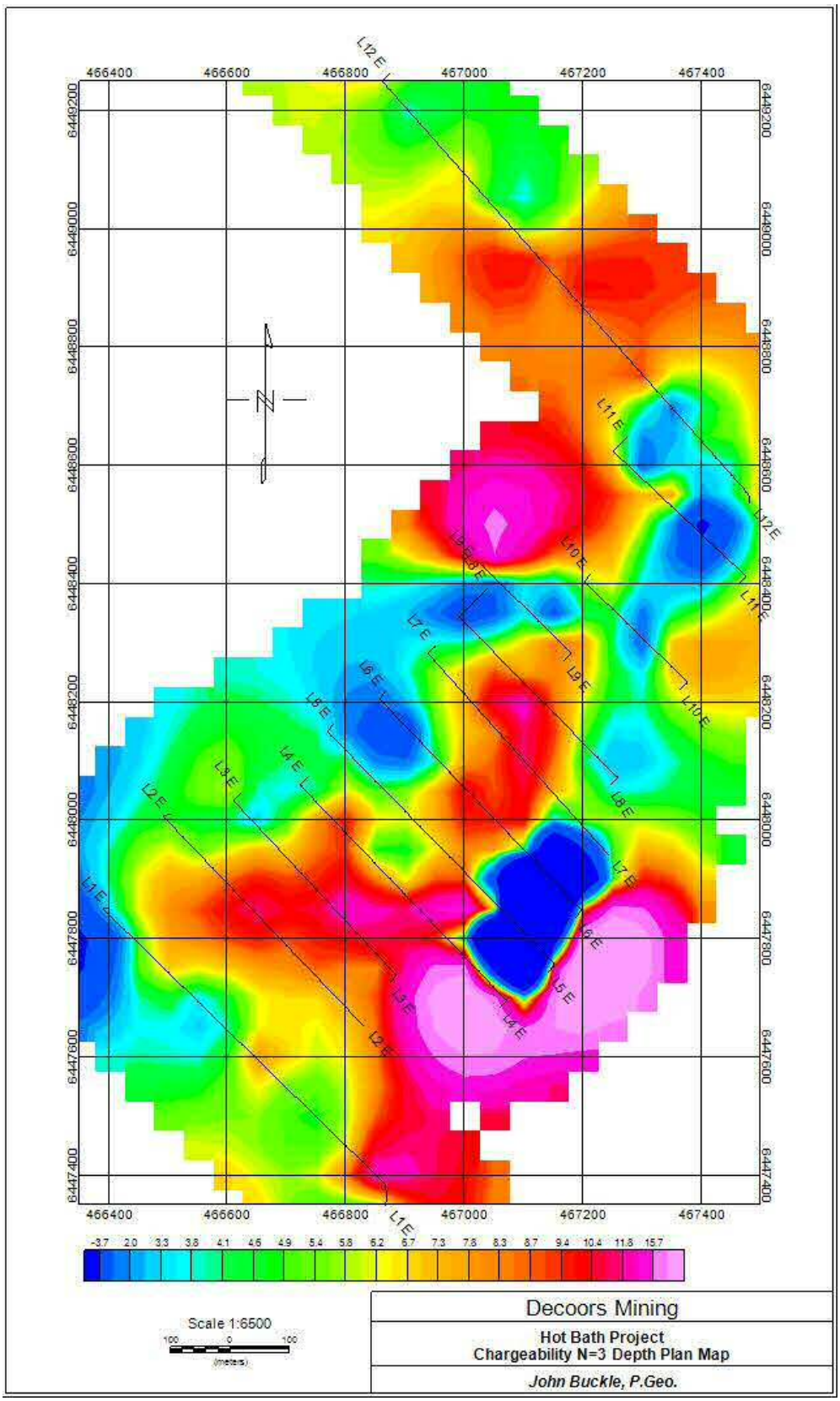


FIGURE 13 CHARGEABILITY PLAN MAP N=3

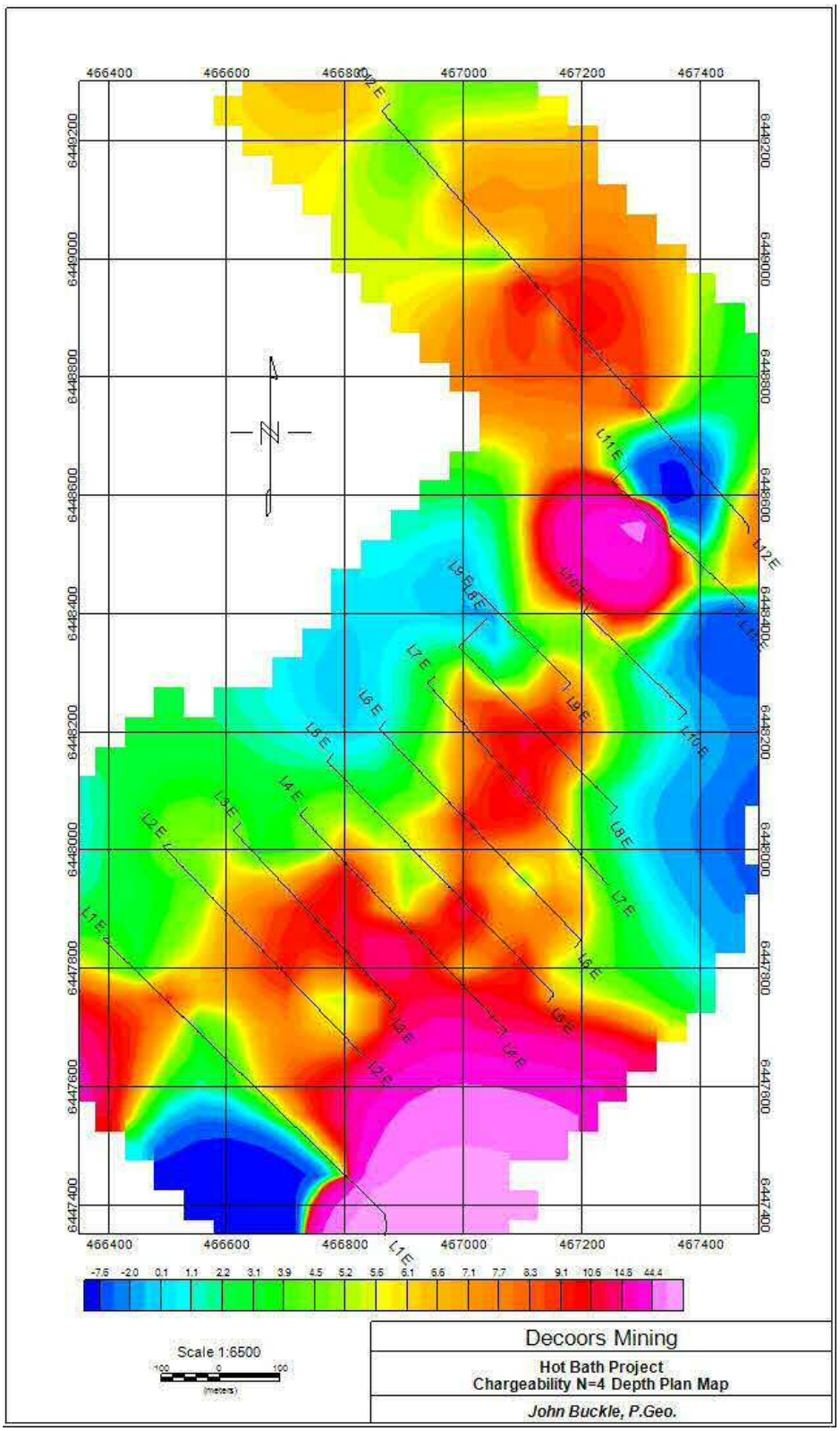


FIGURE 14 CHARGEABILITY PLAN MAP N=4

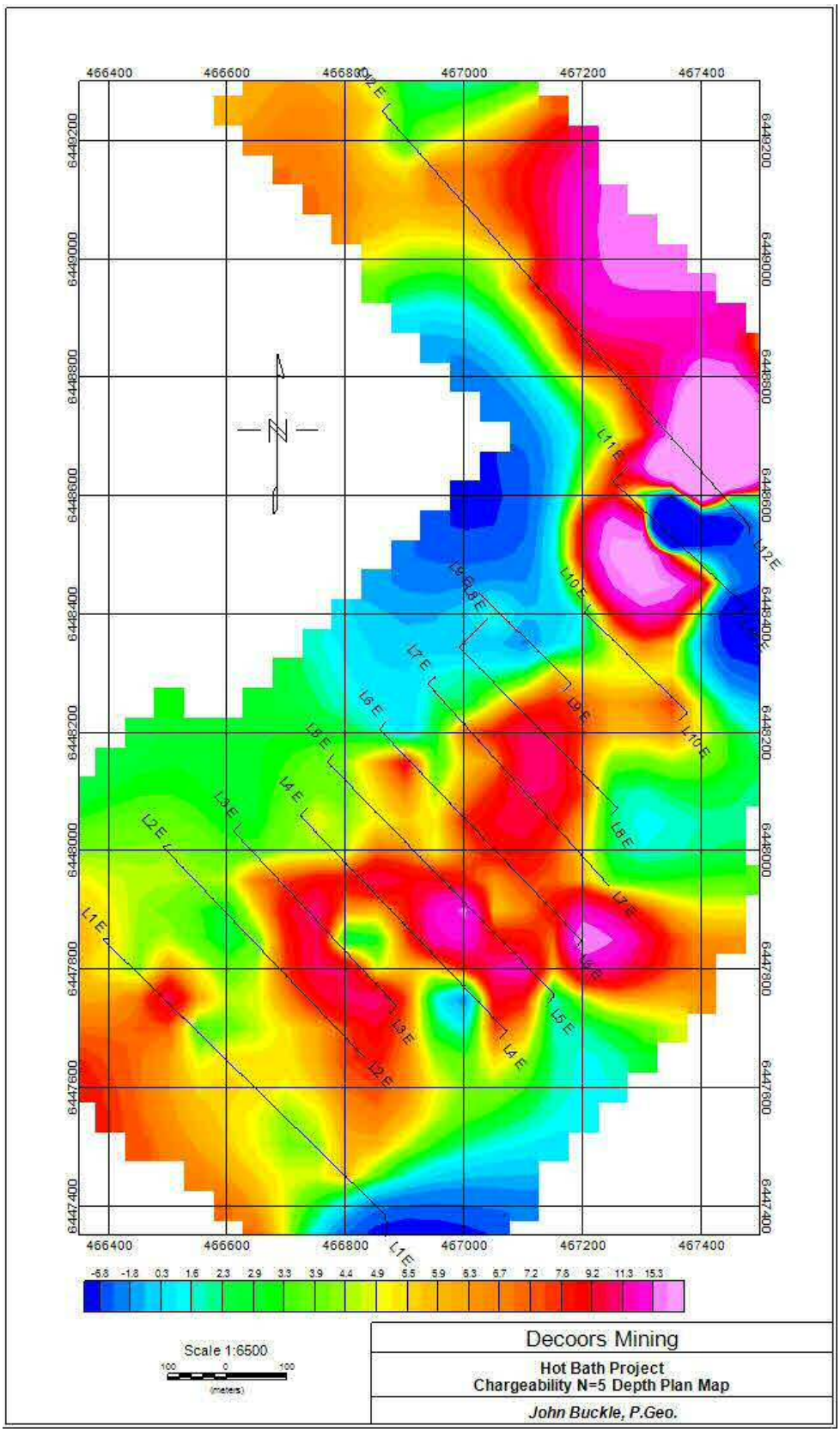


FIGURE 15 CHARGEABILITY PLAN MAP N=5

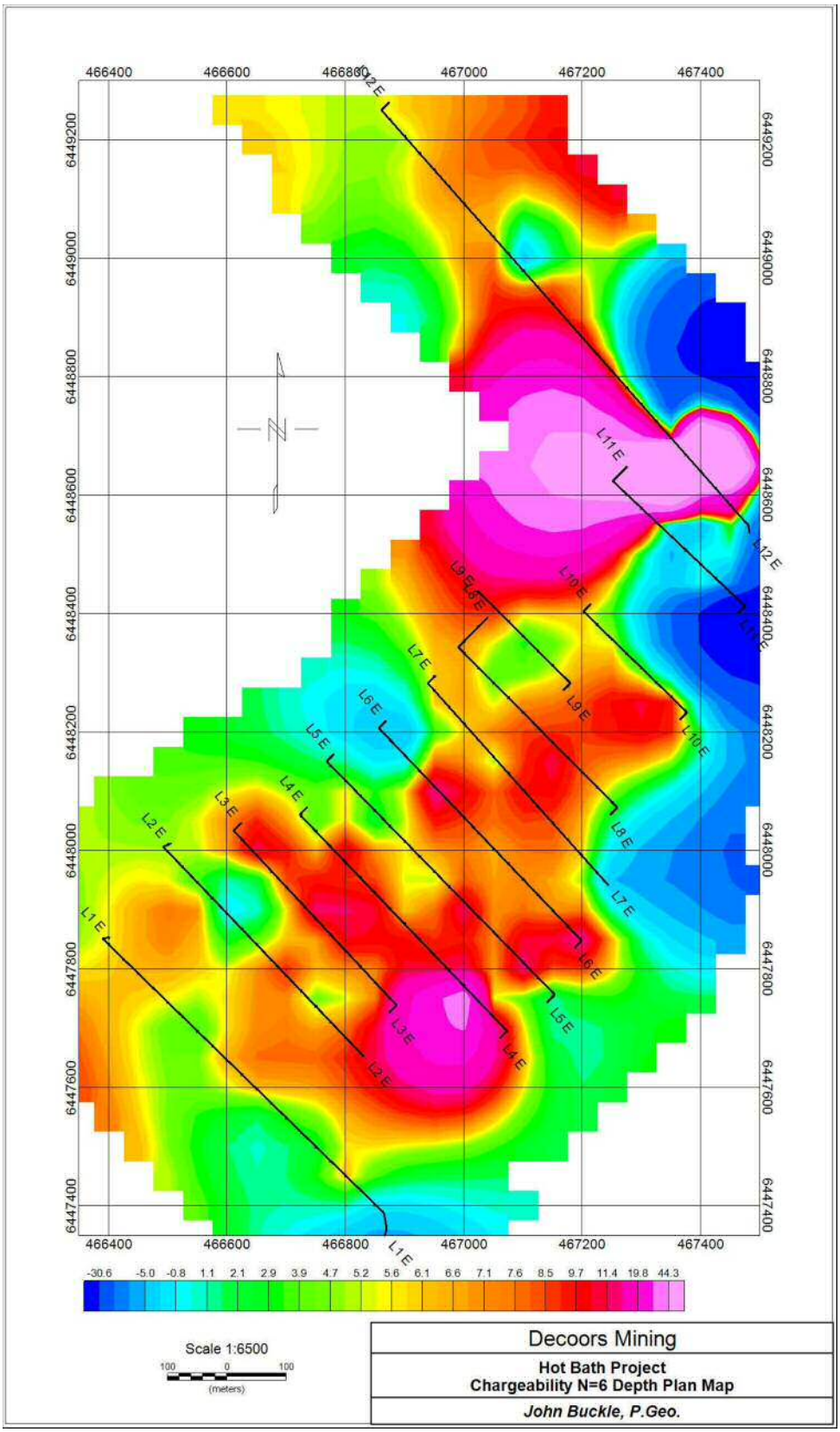


FIGURE 16 CHARGEABILITY PLAN MAP N=6

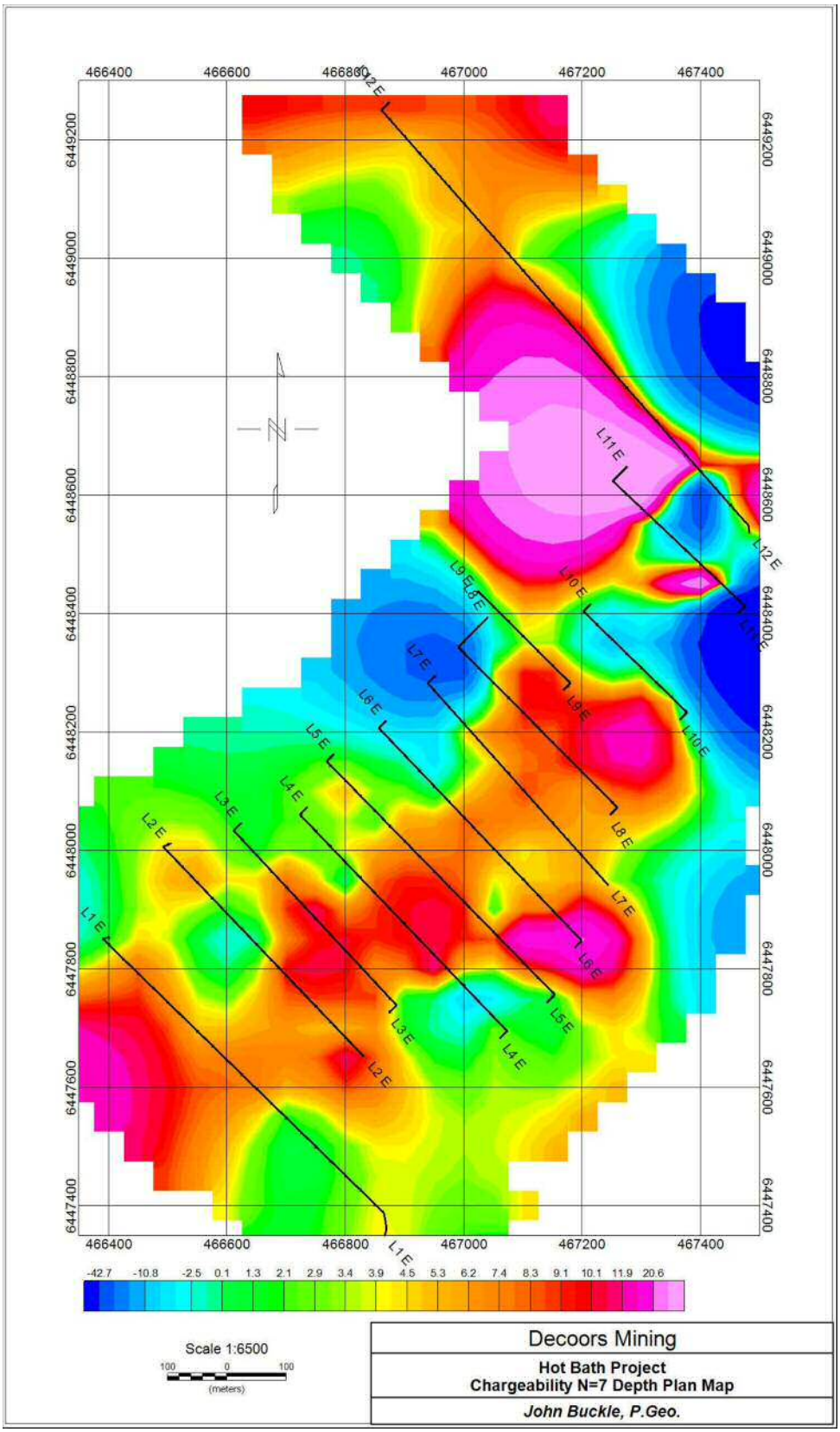


FIGURE 17 CHARGEABILITY PLAN MAP N=7

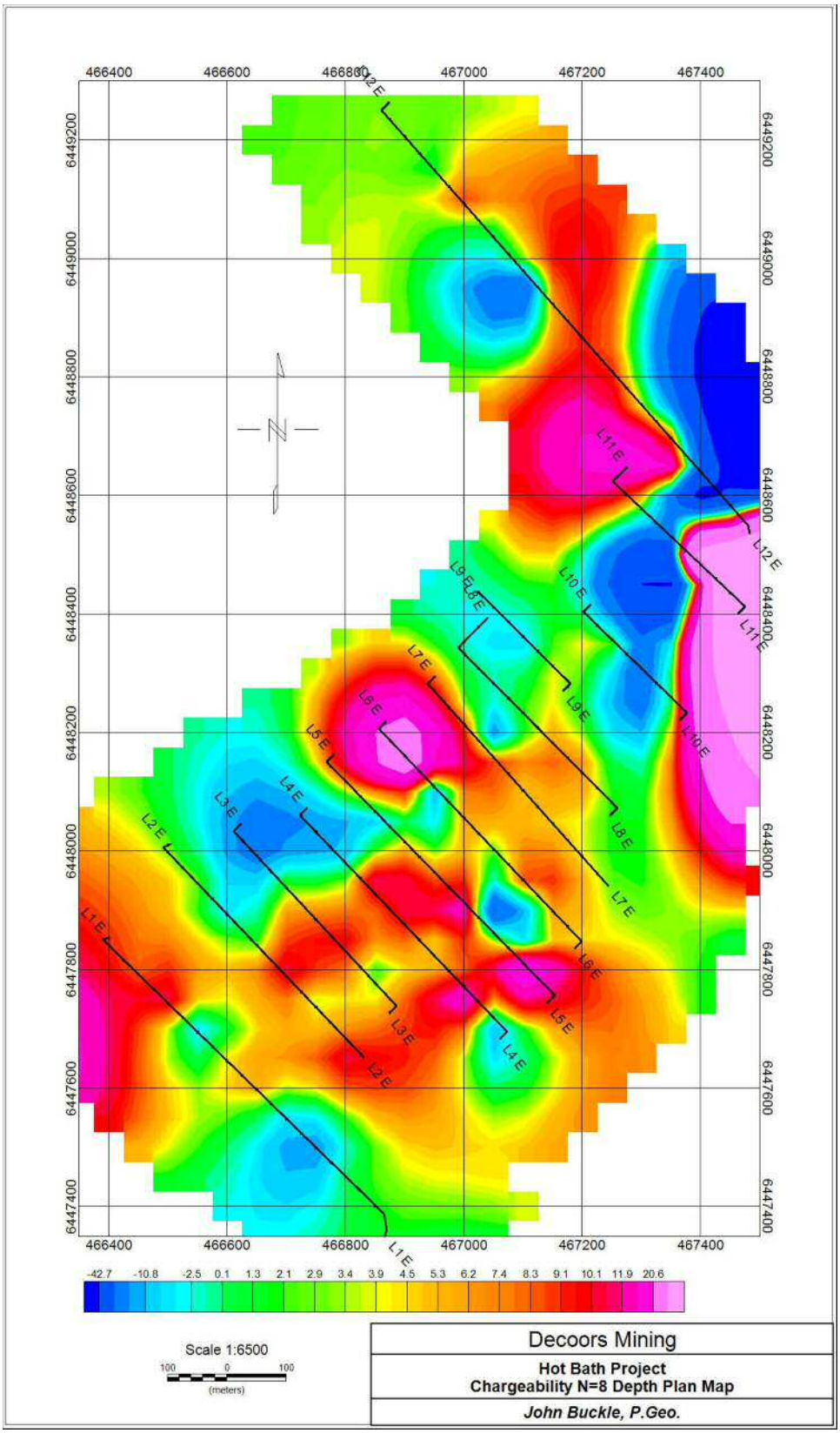


FIGURE 18 CHARGEABILITY PLAN MAP N=8

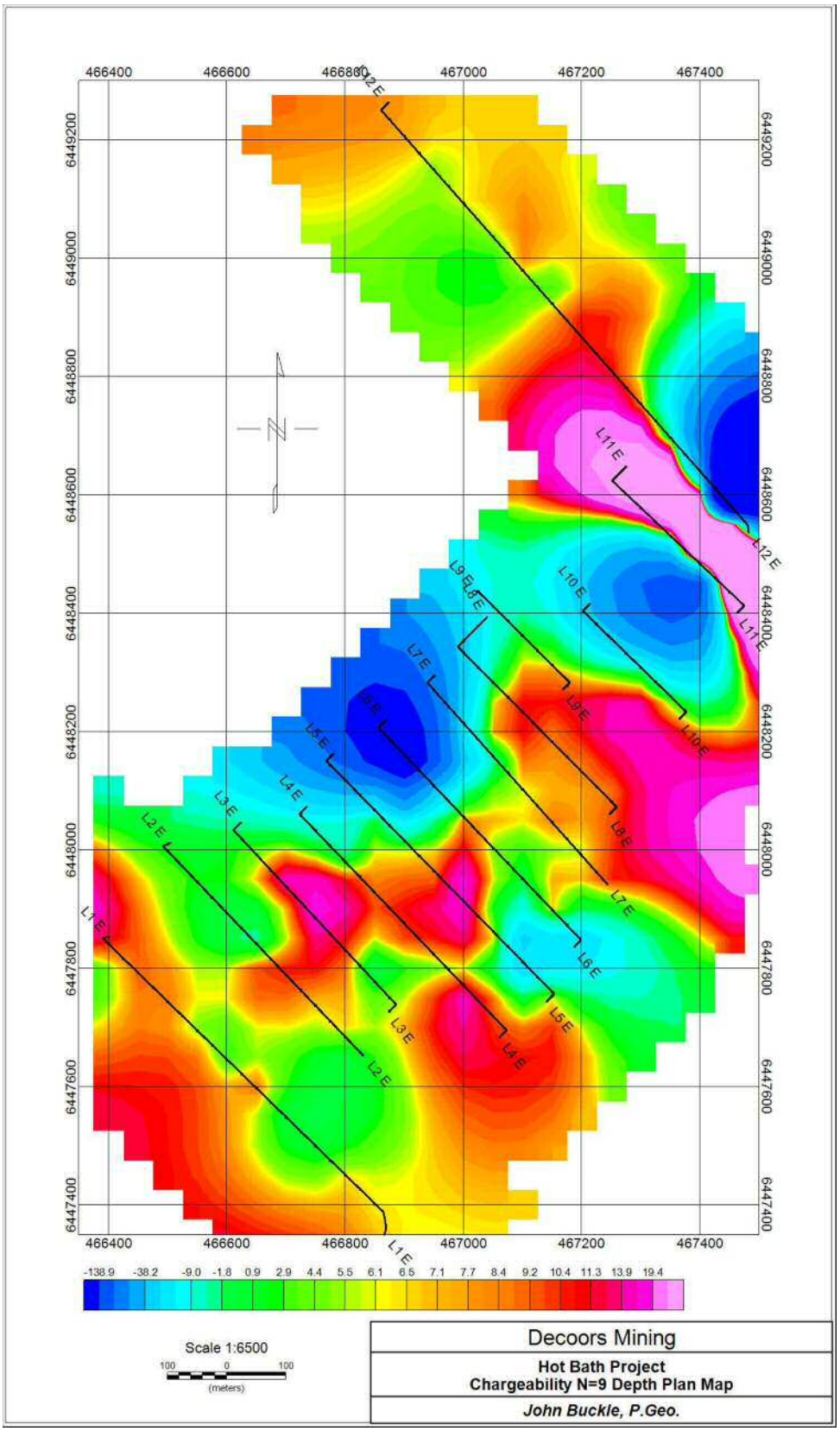


FIGURE 19 CHARGEABILITY PLAN MAP N=9

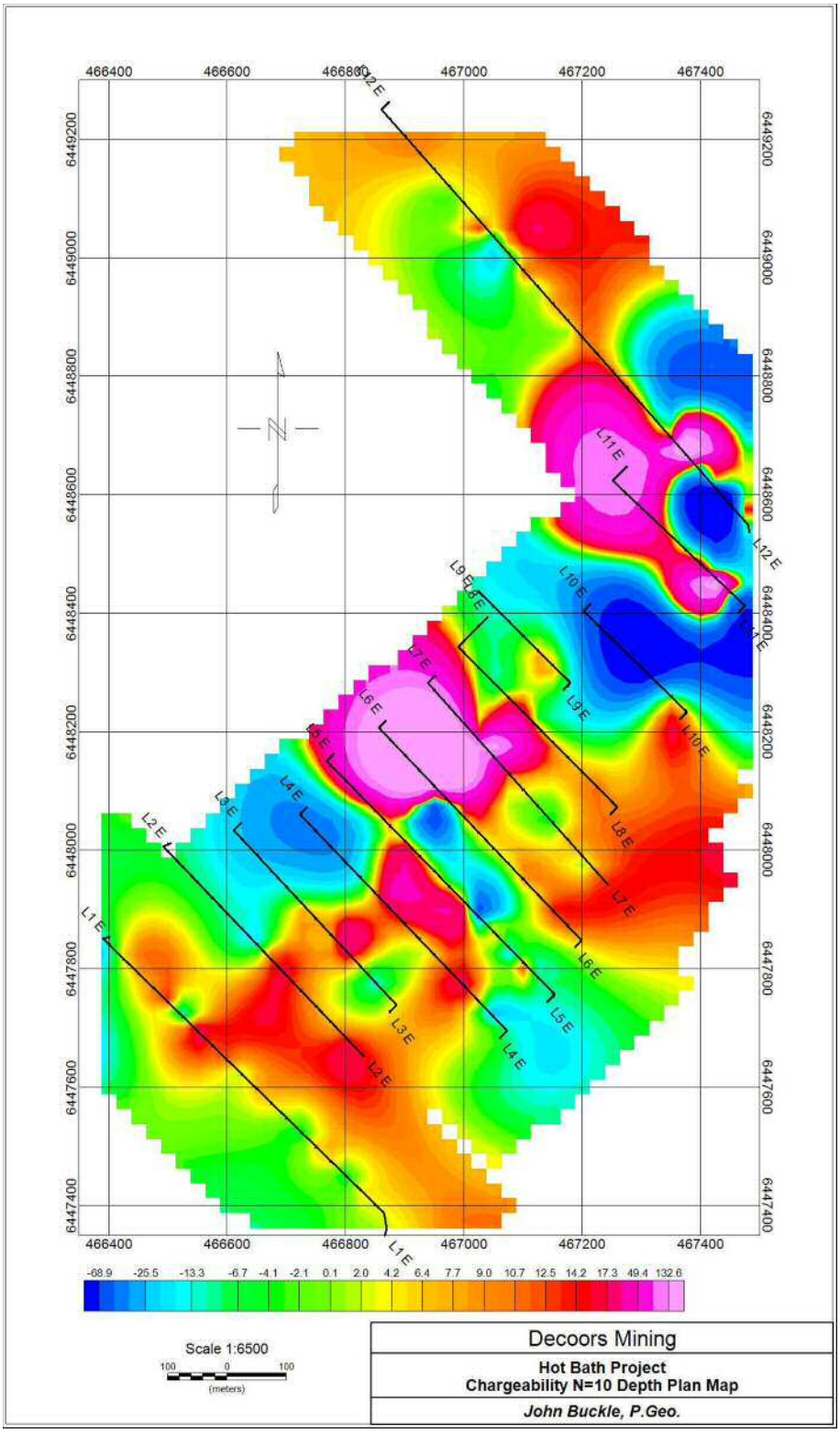


FIGURE 20 CHARGEABILITY PLAN MAP N=10

Ground Magnetometer Survey

Magnetometer readings were taken on seven lines of the same grid lines as the induced polarization survey. The survey was run with a GEM Systems GSM 19 magnetometer and base station. The

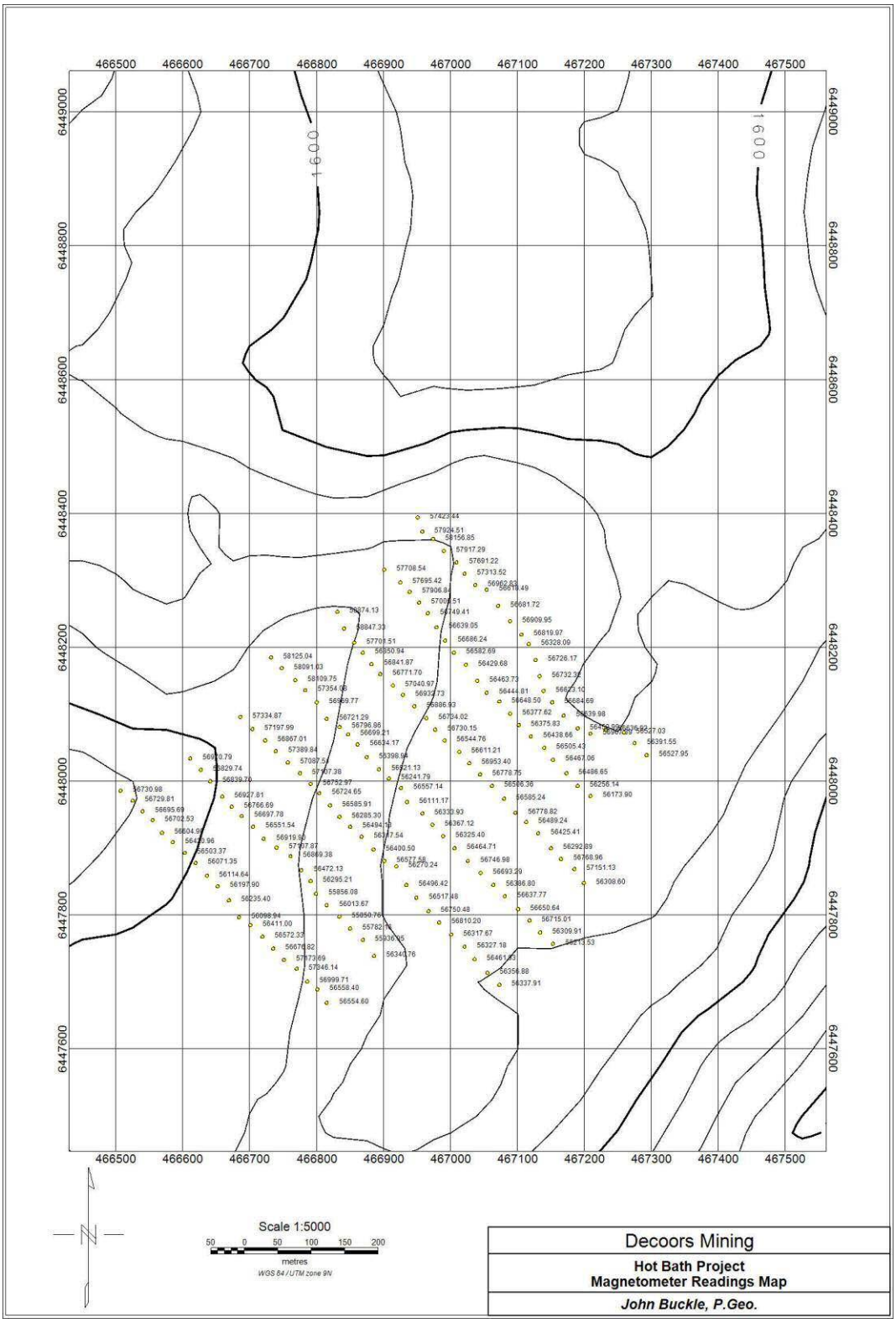


FIGURE 21 MAGNETOMETER READINGS

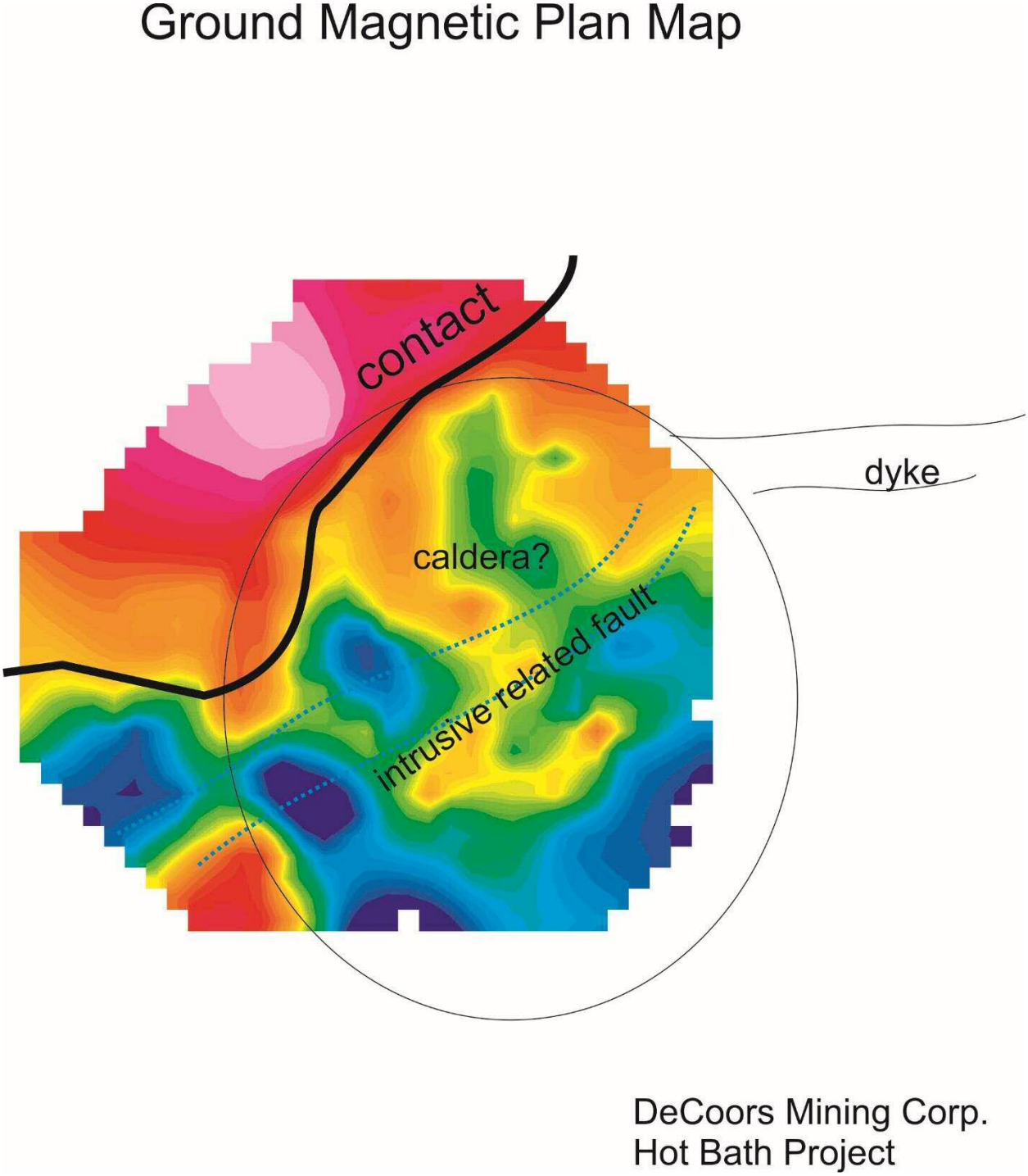


FIGURE 22 INTERPRETATION MAP OF MAGNETIC DATA

Mobile Metal Ion Survey

A program was contracted by Decoors Mining Corp. to collect mobile metal ion samples and induced polarization geophysical survey along grid lines on the Hot Bath property. The sampling took place on two separate property visits. On the first program 760 MMI samples were collected from July to by Matt Fraser, James Fraser and Peter Burjoski of DeCoors Mining Ltd. and the second visit took place induced polarization and magnetometer surveys were conducted by Ryan Dix, Hanjo Zink and Olexadr Ponomaryov also of DeCoors Mining Corp.

In total 760 soils were collected in the two programs under the supervision of John Buckle, P.Geo. Also 3 rock samples were taken from an outcrop 250 meters west of the MMI grid line. These rock samples were taken from steeply dipping foliated gossanous quartz monzonite at UTM coordinates 446592 east and 6447748 north. One of these rock samples was analysed by SGS and returned over 3% copper and 3 grams per tonne gold.

MMI SAMPLINGPROCEDURE

MMI samples were collected by field technicians in accordance with guidelines for MMI sampling set out by SGS Laboratories. The procedure was as follows: Prior to collecting the MMI samples, sampling equipment was brushed to eliminate residue from previous samples and was flushed with soils from the new sample area. Extensive organic horizon (O or Ao) was scraped away and loose non-decomposed matter, debris, and any possible cultural contamination was eliminated. Any organic material that still has structure (i.e. decomposing leaves, bark, twigs and peat) was then penetrated. Once through to a true A-horizon (where the soil resembles a decomposed mass without any obvious leaf or vegetation visible), the top 10cm of this A-horizon material was discarded. The sample was then collected between the 10 to 25 cm intervals below this horizon. This is generally the 'B' horizon however, as MMI analyses the ions adhering to the soil grains and not the soil grains themselves the actual soil horizon does not matter.

A plastic trowel was used take a cross section of the material between the 10 to 25 cm depth interval. The sample material was put into clean, Ziploc Bags with a 4-digit consecutive chip and double bagged. Approximately 300 to 500 grams of material was collected. Samplers ensured not to mix organic and inorganic soils in the collected sample. In the event of encountering greater than 25 cm of organics, no sample was collected. (This was not a problem at Hot Bath) The soil type, topography and moisture content of soil was recorded for future interpretation. During sample collection and handling, no jewelry (watches, rings, bracelets, and chains) were worn to avoid potential contamination. Analytical analysis of the MMI samples were from their 53 element package which included Cu, Au, Mo, Ag, Zn, Pb, and As elements commonly associated with Cu +Au+Mo deposits and/or define their peripheral signature and also included the 46 other possible trace elements.

The common practice for interpreting MMI assay results is by the calculation of a response ratio (RR). The response ratio is the normalization of the data relative to local geochemical background. The background value is calculated by averaging the first quartile of data, and then by dividing all the results by the average of the first quartile. This method will give a response ratio, relative to the geochemical background.

SAMPLE SHIPMENT AND ANALYSIS:

All the samples were packed by the field staff on site and shipped via Bandstra, a local expediting company, to SGS Labs in Vancouver, British Columbia. The rock sample was also analyzed by SGS Labs

using their new IMS90A Package which reportedly gives a wide range of elements at low detection limits. SGS has data available of comparative results for Cu on their web site.

Soil samples were collected from small pits dug with shovels. Each pit was dug to 20 cm depth and cleaned with a plastic spade. The sample was collected in non-contaminated plastic bowl and sealed in moisture sealed plastic bags. The MMI samples were bagged in the field, tagged and sealed on-site. Sample standards, duplicates and blanks were randomly inserted into the sample batches at a frequency of one in twenty. Samples were transported by the company for shipment to SGS Laboratories.

ANALYTICAL METHODS

MMI sample analytical technique is proprietary to SGS laboratories in Toronto. These mobile metal ions are released from ore bodies and travel upward toward the surface. Using sophisticated chemical processes and instrumentation, MMI™ is able to measure these ions, in surface soils, to determine accurately where buried mineralization is located. Mobile Metal Ion (MMI™) Geochemistry is an advanced surface exploration technique for finding mineral deposits. MMI™ geochemistry is a cost-effective surface exploration tool. MMI™ measures mobile metal ions in surface soils. These mobile metal ions are released from ore bodies and travel upward toward the surface. Using sophisticated chemical processes and instrumentation, MMI™ can measure these ions, in surface soils, to determine accurately where buried mineralization is located.

The MMI™ technology is an innovative geochemical process that uses a very different approach to the analysis of metals in soils and weathered materials. It involves sample attack using extremely weak solutions of organic and inorganic compounds rather than the conventional aggressive acid digest solutions or fusions. Conventional techniques digest soil substrates releasing metals that are

chemically bound by strong atomic forces, either to each other or within and to the clay and other minerals and particles in the soil sample. In contrast to this MMI™ extractants, containing strong ligands, are used to detach and hold in solution metal ions which are loosely bound to soil particles by weak atomic forces. The extractants are formulated to avoid dissolving the bound forms of the metals. The metal ions held in solution are therefore the chemically active or 'mobile' component. These mobile forms occur in very low concentrations that are readily measurable by modern ICP-MS analytical instrumentation with considerable precision, provided that the solution delivered to the machine is very dilute. MMI™ extractants meet these criteria particularly well.

COMPILATION OF DATA

Samples were tagged with small coloured plastic discs. Sample numbers may be repeated within different colour groups identified by disc colour.

TABLE 3 MMI SAMPLE COORDINATES

easting	northing	Sample_	Group
466410	6449170	1281	B
466390	6449155	1282	B
466366	6449144	1283	B

466341	6449137	1284	B
466316	6449129	1285	B
466291	6449121	1286	B
466267	6449111	1287	B
466242	6449109	1288	B
466217	6449110	1289	B
466192	6449106	1290	B
466173	6449088	1291	B
466157	6449069	1292	B
466143	6449048	1293	B
466127	6449021	1294	B
466117	6448998	1295	B
466096	6448983	1296	B
466075	6448969	1297	B
466054	6448952	1298	B
466032	6448938	1299	B
466012	6448925	1300	B
465991	6448911	1301	B
465971	6448895	1302	B
465947	6448885	1303	B
465923	6448874	1304	B
465901	6448855	1305	B
465880	6448842	1306	B
465855	6448831	1307	B
465838	6448812	1308	B
465816	6448798	1309	B
465795	6448784	1310	B
465794	6448755	1311	B
465793	6448724	1312	B
465793	6448702	1313	B
465791	6448681	1314	B
465795	6448654	1315	B
465768	6448791	1316	B
465743	6448798	1317	B
465723	6448812	1318	B
465701	6448819	1319	B
465678	6448827	1320	B
465670	6448850	1321	B
465649	6448863	1322	B
465632	6448879	1323	B
465609	6448890	1324	B

465595	6448911	1325	B
465582	6448930	1326	B
465566	6448948	1327	B
465556	6448969	1328	B
465534	6448991	1329	B
465522	6449013	1330	B
465520	6449038	1331	B
465508	6449059	1332	B
465494	6449079	1333	B
465478	6449099	1334	B
465463	6449119	1335	B
465447	6449141	1336	B
465433	6449162	1337	B
465413	6449179	1338	B
465397	6449202	1339	B
465692	6449472	1340	B
465707	6449453	1341	B
465719	6449431	1342	B
465727	6449408	1343	B
465737	6449386	1344	B
465743	6449360	1345	B
465755	6449336	1346	B
465770	6449316	1347	B
465785	6449296	1348	B
465801	6449275	1349	B
465809	6449250	1350	B
465822	6449229	1351	B
465840	6449213	1352	B
465863	6449202	1353	B
465883	6449186	1354	B
465907	6449176	1355	B
465928	6449161	1356	B
465947	6449143	1357	B
465963	6449123	1358	B
465981	6449100	1359	B
465999	6449081	1360	B
466014	6449062	1361	B
466022	6449038	1362	B
466032	6449013	1363	B
466050	6449000	1364	B
466075	6448999	1365	B

466104	6449002	1366	B
466125	6449000	1367	B
466150	6449000	1368	B
466175	6449001	1369	B
466201	6449005	1370	B
466248	6449003	1371	B
466275	6449000	1372	B
466301	6449000	1373	B
466326	6449002	1374	B
466348	6449005	1375	B
466371	6449002	1376	B
466401	6449000	1377	B
466432	6449014	1378	B
466448	6449002	1379	B
466476	6448961	1380	B
466500	6448977	1381	B
466526	6448996	1382	B
466547	6448999	1383	B
466572	6449003	1384	B
466600	6448999	1385	B
466626	6448999	1386	B
466647	6448998	1387	B
466675	6449000	1388	B
466700	6449000	1389	B
466725	6449001	1390	B
466750	6449001	1391	B
466775	6449000	1392	B
466796	6449001	1393	B
466826	6449001	1394	B
466850	6448999	1395	B
466876	6449000	1396	B
466898	6449000	1397	B
466924	6449004	1398	B
466948	6449002	1399	B
466976	6448999	1400	B
467001	6448998	1401	B
467025	6448999	1402	B
467050	6449002	1403	B
467075	6449000	1404	B
467096	6448995	1405	B
467126	6448999	1406	B

467151	6449001	1407	B
467176	6449001	1408	B
467200	6449000	1409	B
467222	6449001	1410	B
467249	6449001	1411	B
467276	6448999	1412	B
467299	6449001	1413	B
467326	6449000	1414	B
467350	6449001	1415	B
467373	6449003	1416	B
467400	6449000	1417	B
467425	6449014	1418	B
467550	6449100	1419	B
467526	6449101	1420	B
467500	6449101	1421	B
467475	6449098	1422	B
467450	6449099	1423	B
467424	6449097	1424	B
467399	6449099	1425	B
467375	6449101	1426	B
467349	6449101	1427	B
467325	6449100	1428	B
467299	6449099	1429	B
467275	6449101	1430	B
467249	6449099	1431	B
467225	6449099	1432	B
467201	6449098	1433	B
467174	6449100	1434	B
467150	6449098	1435	B
467123	6449099	1436	B
467100	6449100	1437	B
467075	6449101	1438	B
467052	6449102	1439	B
467025	6449102	1440	B
467002	6449101	1441	B
466978	6449106	1442	B
466952	6449105	1443	B
466927	6449098	1444	B
466874	6449201	1445	B
466899	6449200	1446	B
466927	6449200	1447	B

466951	6449198	1448	B
466974	6449199	1449	B
467000	6449200	1450	B
467023	6449201	1451	B
467050	6449199	1452	B
467074	6449201	1453	B
467100	6449199	1454	B
467126	6449200	1455	B
467148	6449200	1456	B
467175	6449201	1457	B
467203	6449202	1458	B
467226	6449200	1459	B
467251	6449202	1460	B
467275	6449200	1461	B
467300	6449201	1462	B
467326	6449199	1463	B
467350	6449201	1464	B
467379	6449201	1465	B
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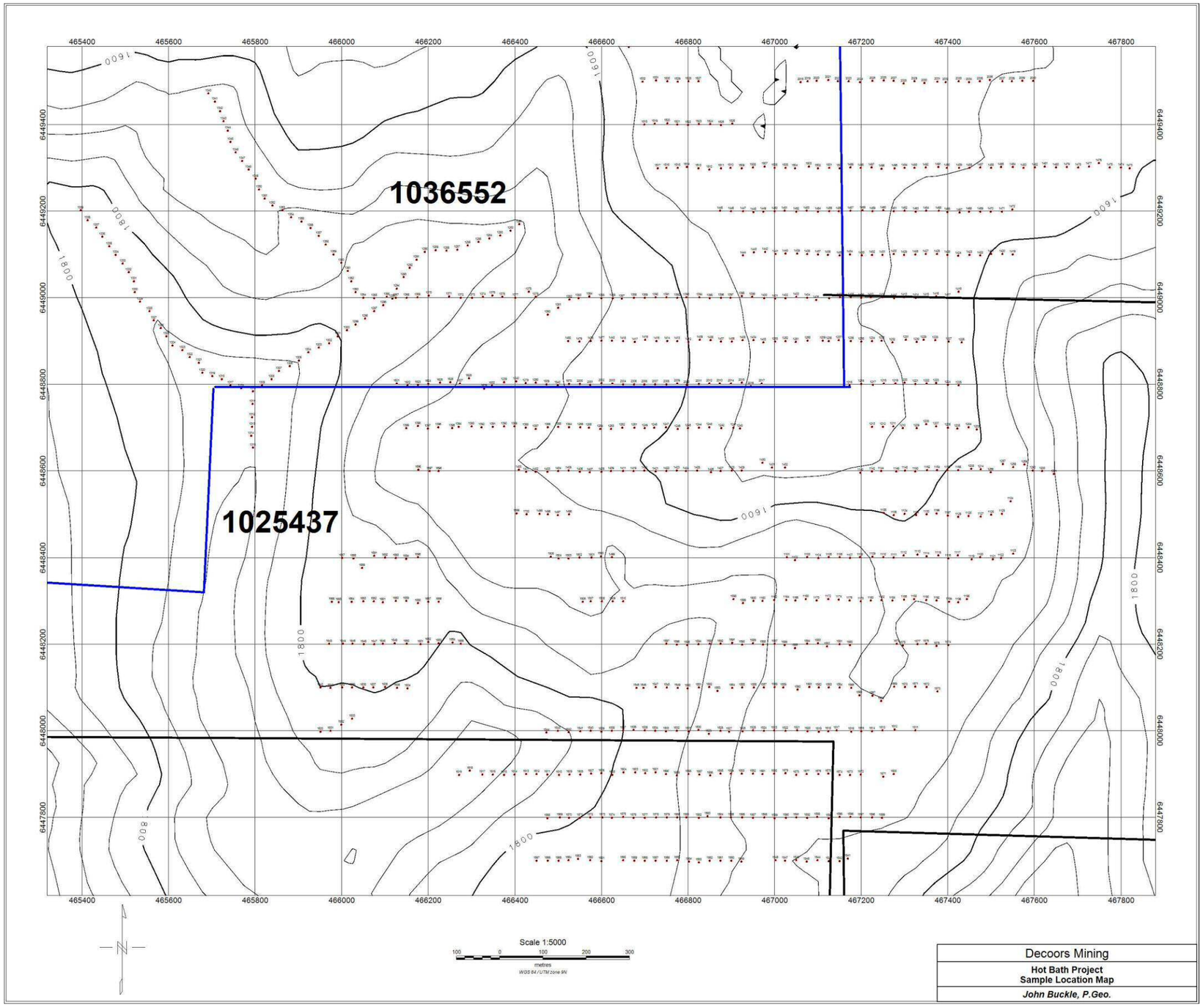
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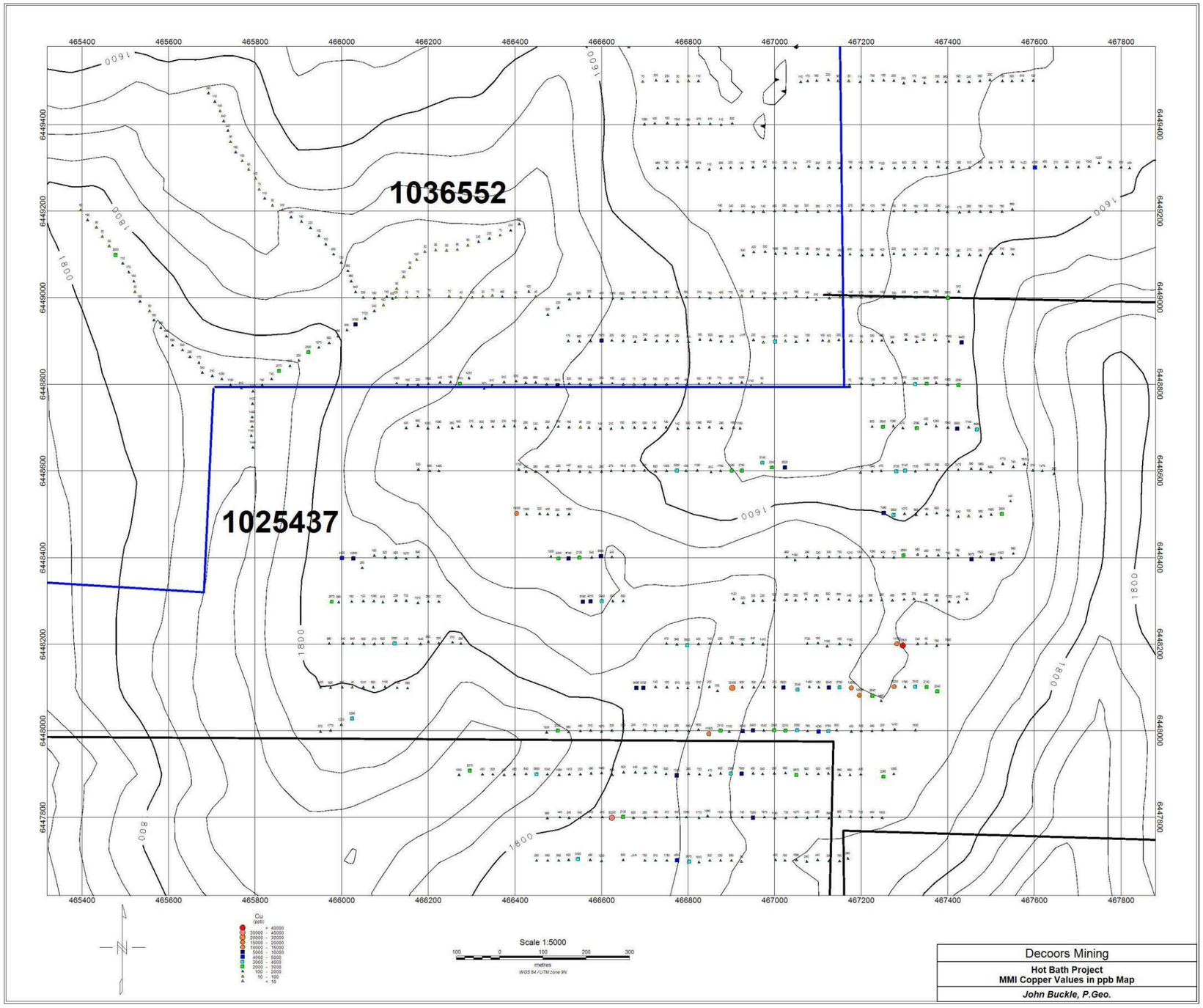
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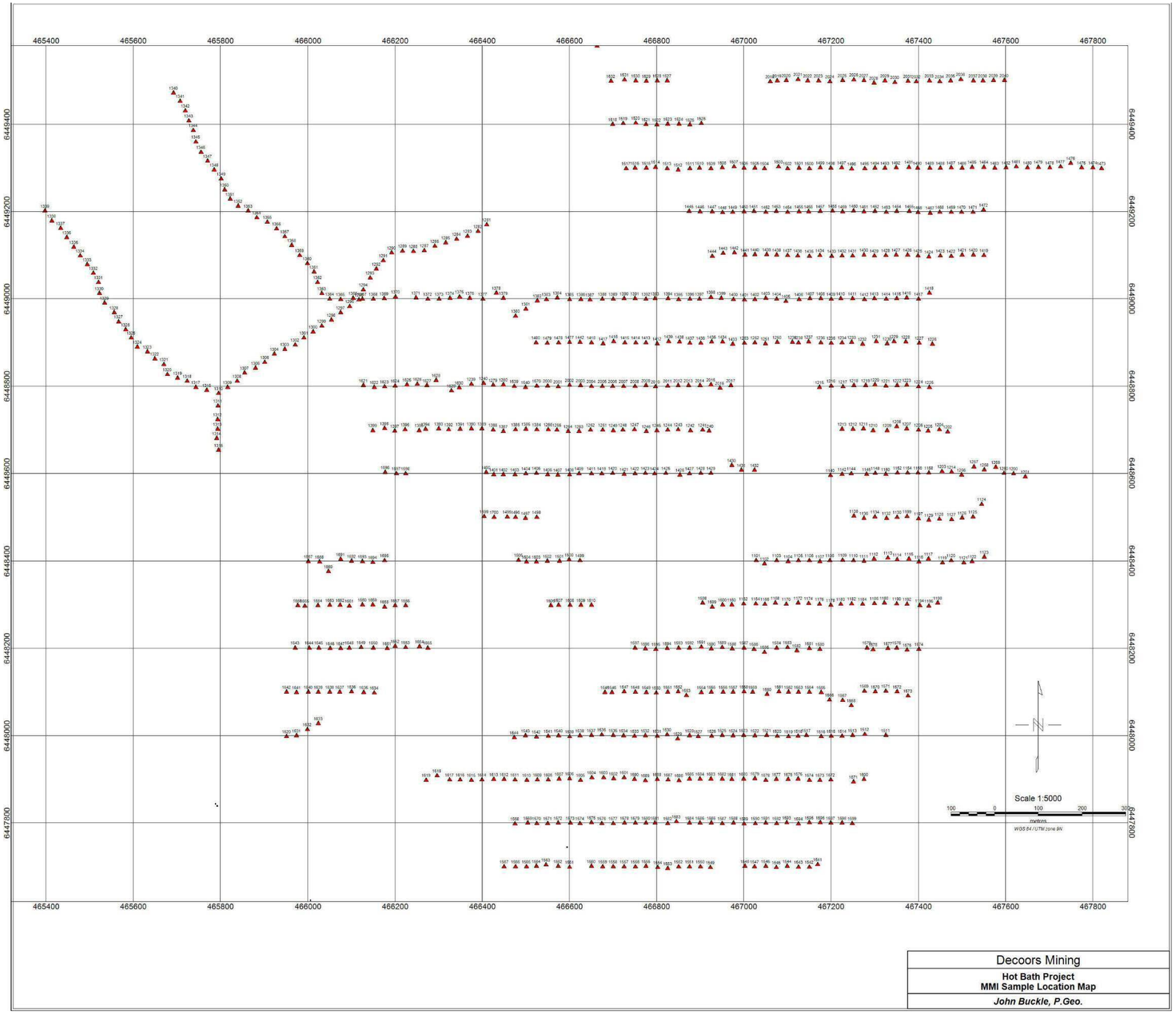
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466927	6448295	1599	O
466951	6448300	1600	O

The MMI data for Ag, and Cu, were plotted together on plan maps. Elements were chosen for their relevance to the target mineralization and/or indicative of the mineralized porphyry intrusive model, these were molybdenum, gold, cobalt, silver, strontium, nickel, lead, zinc and copper. The mean background value was calculated for each of the ten metals and this number was then divided into the reported value for that metal to obtain a figure called the response ratio.

The assay values for all seven hundred and sixty samples are listed in Appendix B.


1036552
1025437
1600
1800
465400
465600
465800
466000
466200
466400
466600
466800
467000
467200
467400
467600
467800
6449400
6449200
6449000
6448800
6448600
6448400
6448200
6448000
6447800
Scale 1:5000
100 0 100 200 300
metres
WGS 84 / UTM zone 9N
Decoors Mining
Hot Bath Project
Sample Location Map
John Buckle, P.Geo.


1036552
1025437
Cu (ppb)
Scale 1:5000
metres
WGS 84 / UTM zone 9N
Decoors Mining
Hot Bath Project
MMI Copper Values in ppb Map
John Buckle, P.Geo.



Decoors Mining
Hot Bath Project **MMI Sample Location Map**
John Buckle, P.Geo.

1036552

1015381

1025437

CAMP

2509
2508

2510

2507

Scale 1:5000
100 0 100 200 300
metres
NAD83 / UTM zone 9N

Cu
10000 +
9000 - 10000
8000 - 9000
7000 - 8000
6000 - 7000
5000 - 6000
4000 - 5000
3000 - 4000
2000 - 3000
1000 - 2000
500 - 1000
- 500

Decoors Mining
Hot Bath Project **MMI Copper Map**
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TABLE 4 ROCK SAMPLE TABLE

Comments	alt_m	Length_m	Sample	x	y	Wgt	Type	Az	Ag	Al	As	Au	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	V	W
biotite, hornblende monzonite intrusive,qtz,gossan		1	2507	466006	6447623	2.73	Rock	30	<0.1	0.87	1.6	2	4	134	<0.1	0.12	<0.1	1.8	11	31.7	1.87	4	<0.01	0.31	12	0.46	165	0.8	0.095	3.1	0.069	3.2	0.06	<0.1	3.3	<0.5	26	<0.2	6.8	0.075	<0.1	42	<0.1
py, rhy?, magnetite vein	1936	1	2508	465788	6447844	4.31	Rock	32	<0.1	0.58	<0.5	<0.5	2	86	<0.1	0.02	<0.1	0.9	2	1.4	0.99	2	<0.01	0.2	9	0.27	49	2.8	0.072	0.5	0.022	2.8	0.26	<0.1	0.8	<0.5	27	<0.2	6.6	0.003	<0.1	8	<0.1
gossan vein 2a		1	2509	465792	6447839	6.56	Rock		<0.1	0.55	0.6	2.5	2	104	<0.1	0.02	<0.1	0.8	2	16.5	2.04	3	<0.01	0.25	12	0.18	34	4.9	0.087	0.4	0.04	2.3	0.46	<0.1	1.3	0.8	43	<0.2	5.7	0.011	<0.1	15	<0.1
Peter vein in cirque, oxidized qtz vein		1	2510	466594	6447745	4.34	Rock		2.9	0.86	<0.5	28.4	<1	28	2	0.09	0.1	15.1	12	>10000.0	7.3	4	0.01	0.14	6	0.64	281	1.4	0.065	4.7	0.06	1.8	3.79	<0.1	1.4	18.2	8	0.4	5.7	0.032	<0.1	33	<0.1

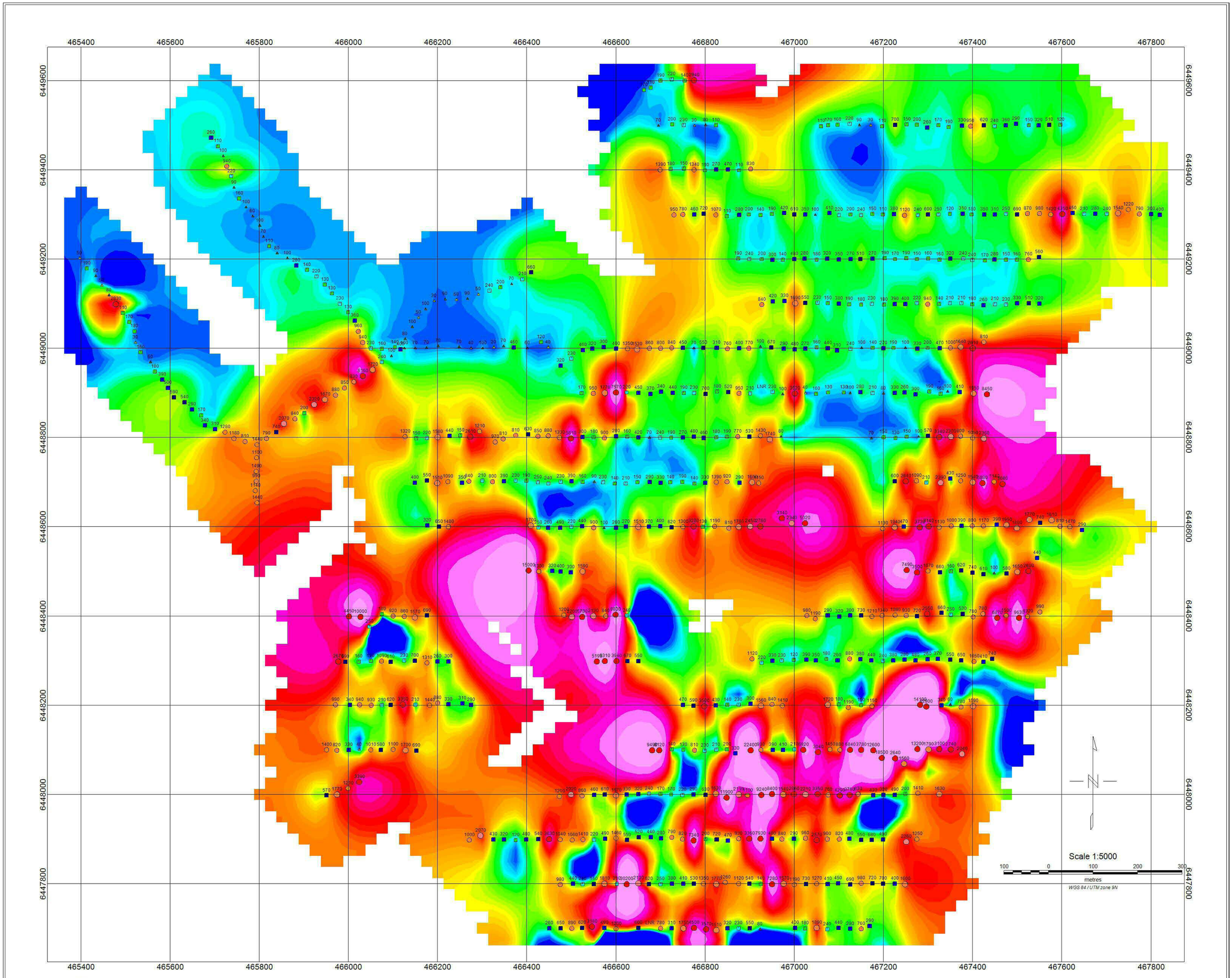
Four rock samples were collected and assayed using standard ICP rock analysis at SGS Laboratory. One of the rock samples, number 2510, taken from an exposed, oxidized quartz vein with abundant pyrite and chalcopyrite was over limit in copper during the first analysis and was subsequently reanalysed returning a copper value of 3.391%.

Thirty-two samples from the MMI grid were analyzed with ICP soil geochemistry to compare the results from the MMI geochemical survey with to a standard 'B' horizon soil geochemical survey.

TABLE 5 SOIL ICP SAMPLE TABLE

ANALYTE	WtKg	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zn	Zr
METHOD	G_WGH79	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
DETECTION	0.01	2	0.01	3	5	0.5	5	0.01	1	1	1	0.5	0.01	1	0.01	0.5	1	0.01	2	1	0.01	1	0.01	2	0.01	5	0.5	10	5	0.01	1	10	0.5	1	0.5
UNITS	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
L-6700E 8600N	0.513	<2	3.58	10	181	1.4	<5	0.42	2	19	28	74.1	4.93	<1	0.07	16.7	16	0.95	806	2	0.02	37	0.08	7	0.03	<5	4.7	<10	87	0.13	108	<10	10.3	126	20
L-6700E 8650N	0.782	<2	1.6	3	81	<0.5	<5	0.62	1	14	6	97.9	3.53	<1	0.04	7.6	6	0.73	504	<1	0.02	5	0.11	3	<0.01	<5	3.6	<10	94	0.08	122	<10	5.7	37	6.2
L-6700E 8700N	0.476	<2	3.67	12	85	1.8	<5	0.18	2	14	25	35.8	4.37	<1	0.06	21.7	10	0.64	631	3	0.02	26	0.09	7	0.06	<5	2.7	<10	26	0.2	57	<10	10.7	97	31.3
L-6700E 8750N	0.526	<2	3.66	10	76	1	<5	0.22	2	12	25	65.9	4.96	<1	0.04	13.7	10	0.53	474	2	0.02	21	0.08	6	0.05	<5	2.5	<10	44	0.19	94	<10	5.6	80	11.6
L-6900E 7700N	0.437	<2	2.99	12	89	2.3	<5	0.37	2	18	27	34.3	4.93	<1	0.06	26.3	8	0.99	841	3	0.04	46	0.1	7	0.07	<5	2.6	<10	16	0.26	53	<10	11.5	96	44.8
L-6900E 7750N	0.518	<2	2.61	20	139	0.6	<5	0.4	3	17	32	37	6.18	<1	0.56	26.9	13	1.87	1080	2	0.02	13	0.22	8	0.05	<5	8.7	<10	23	0.39	147	<10	23.4	98	4.5
L-6900E 7800N	0.398	<2	3.41	9	66	1.1	<5	0.21	2	19	41	27.9	5.29	<1	0.05	17.2	8	0.67	631	3	0.02	35	0.09	7	0.07	<5	3.1	<10	16	0.29	78	<10	6.8	63	20.5
L-6900E 7900N	0.583	<2	3.89	8	228	1.2	<5	0.68	2	13	14	66.8	4.73	<1	0.09	14.4	17	0.86	1200	2	0.02	12	0.1	8	0.06	<5	4.2	<10	146	0.04	81	<10	11	80	3.1
L-6900E 7950N	0.611	<2	3.53	9	104	1	<5	0.56	2	20	18	122	4.58	<1	0.06	15.2	14	0.9	844	2	0.02	24	0.09	7	0.03	<5	3.5	<10	82	0.13	87	<10	8.2	66	5.6
L-6900E 8000N	0.581	<2	3.64	10	195	2.4	<5	0.72	2	18	24	887	4.78	<1	0.09	29.8	18	0.86	1140	7	0.02	29	0.08	9	0.06	<5	5.8	<10	90	0.17	82	<10	28.4	97	15.1
L-6900E 8100N	0.733	<2	2.94	9	144	1.1	<5	0.37	2	22	22	137	4.51	<1	0.06	16.2	14	1.09	941	1	0.02	30	0.09	6	0.04	<5	3.8	<10	47	0.17	81	<10	8.4	95	7.3
L-6900E 8150N	0.573	<2	3.66	9	111	1.6	<5	0.53	2	19	27	54.9	4.85	<1	0.06	18.2	14	0.87	796	2	0.02	29	0.08	8	0.04	<5	4.1	<10	66	0.19	85	<10	10	62	25.3
L-6900E 8200N	0.619	<2	1.84	8	105	0.6	<5	0.13	2	14	41	42.8	4.07	<1	0.07	9	8	0.41	838	4	0.02	24	0.09	7	0.08	<5	2.1	<10	33	0.22	98	<10	4.5	58	4.8
L-6900E 8300N	0.768	<2	2.75	10	160	1.8	<5	0.33	2	18	19	80.5	4.55	<1	0.1	19.9	16	0.95	803	2	0.03	21	0.08	8	0.04	<5	3.8	<10	56	0.17	84	<10	13	67	25.1
L-6900E 8600N	0.545	<2	2.53	8	129	0.9	<5	0.91	2	19	15	114	4.56	<1	0.05	10.9	11	0.73	1600	5	0.02	12	0.11	16	0.1	<5	3	<10	109	0.11	133	<10	8.8	78	3.1

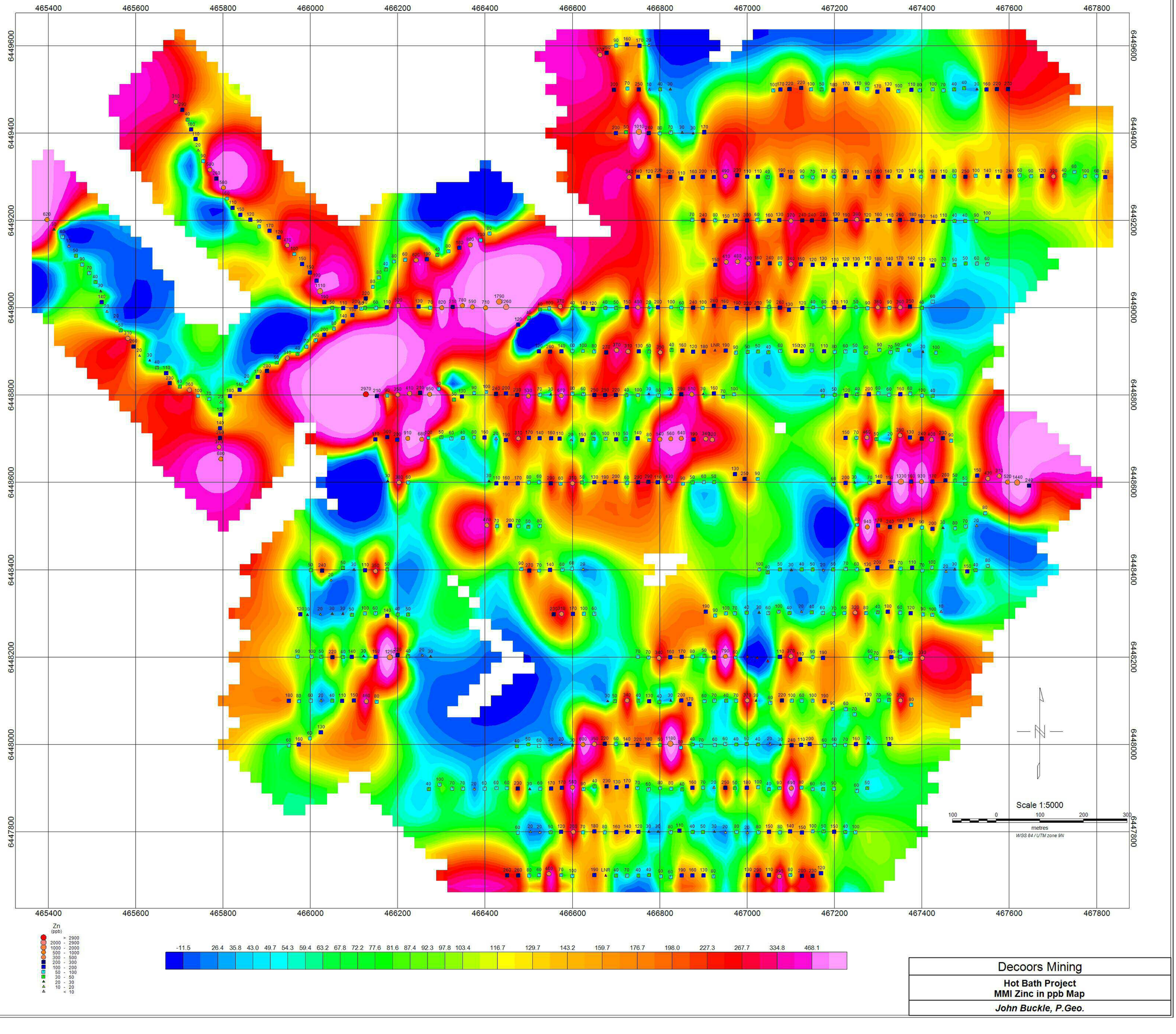
L-6900E 8650N	0.736	<2	3.96	13	96	2	<5	0.66	2	22	27	212	4.95	<1	0.07	22.1	13	0.75	1160	5	0.03	24	0.15	9	0.1	<5	5.7	<10	78	0.19	96	<10	17.9	110	13.8
L-6900E 8700N	0.742	<2	3.09	11	68	1.8	<5	0.92	3	18	28	65.9	5.54	<1	0.06	19.7	12	0.97	604	2	0.02	36	0.1	12	0.06	<5	3.9	<10	86	0.24	108	<10	11.7	81	22.1
L-6900E 8750N	0.496	<2	1.83	9	47	0.6	<5	0.09	2	10	23	34.7	4.17	<1	0.11	17.9	4	0.24	350	4	0.01	7	0.07	13	0.06	<5	1.5	<10	26	0.27	94	<10	4.1	52	12.7
L-7000E 7750N	0.85	<2	3.06	10	102	0.9	<5	0.5	3	20	23	93.8	5.62	<1	0.21	16.9	15	1.32	1100	2	0.03	21	0.14	9	0.04	<5	5.6	<10	64	0.21	116	<10	10.7	140	5.8
L-7000E 7800N	0.763	<2	2.96	8	61	0.8	<5	0.29	2	15	17	48.1	4.41	<1	0.05	10.9	14	0.78	619	2	0.01	12	0.08	7	0.05	<5	2.9	<10	38	0.11	96	<10	6	67	2.1
L-7000E 7850N	0.831	<2	2.52	12	78	1	<5	0.45	2	29	16	140	5.26	<1	0.23	17.7	13	1.51	1410	2	0.01	14	0.13	7	0.01	<5	5.7	<10	38	0.19	105	<10	13.6	108	4.2
L-7000E 7900N	0.637	<2	3.59	16	69	2.7	<5	0.24	2	17	33	31.3	5.33	<1	0.09	28.1	11	0.83	946	4	0.04	41	0.1	11	0.07	<5	2.8	<10	12	0.24	54	<10	16.4	116	71.6
L-7000E 7950N	0.486	<2	4.21	14	77	3.1	<5	0.37	2	26	35	160	5.54	<1	0.06	27.9	12	1.46	1030	3	0.04	62	0.11	6	0.07	<5	3.7	<10	22	0.32	73	<10	20.9	92	50.9
L-7000E 8050N	0.745	<2	3.22	12	75	2.3	<5	0.35	2	18	26	60.6	5.44	<1	0.06	27.8	14	0.97	1010	4	0.03	42	0.08	16	0.05	<5	3.1	<10	32	0.21	84	<10	14.2	126	52.4
L-7000E 8100N	0.722	<2	2.86	10	67	1.5	<5	0.3	2	20	39	146	4.12	<1	0.06	17.2	12	1.14	1600	3	0.04	31	0.12	7	0.03	<5	2.8	<10	49	0.11	71	<10	11.2	89	5.6
L-7000E 8150N	0.876	<2	2.66	9	104	0.9	<5	0.36	2	17	18	70.9	4.23	<1	0.07	15	12	0.92	1090	1	0.02	17	0.12	7	0.05	<5	2.7	<10	54	0.14	86	<10	8.9	84	3.3
L-7000E 8200N	0.814	<2	2.99	9	131	1	<5	0.73	2	16	13	98.9	4.45	<1	0.08	13.1	12	0.75	793	2	0.02	15	0.11	7	0.04	<5	3.3	<10	143	0.11	90	<10	9.1	60	4
L-7000E 8250N	0.734	<2	3.02	8	132	1.3	<5	0.22	2	23	38	95.5	4.93	<1	0.07	18.2	10	0.89	1600	2	0.02	35	0.11	8	0.07	<5	3.4	<10	41	0.22	79	<10	9.7	107	7.2
L-7000E 8300N	0.679	<2	2.81	12	74	2.2	<5	0.16	2	10	19	35.6	5.44	<1	0.07	20.4	13	0.4	706	4	0.04	14	0.07	13	0.05	<5	1.9	<10	26	0.19	53	<10	8.7	71	25.1
L-7000E 8350N	0.96	<2	2.98	9	88	1.9	<5	0.32	2	18	22	112	5	<1	0.05	17.1	13	0.86	928	2	0.03	30	0.06	9	0.07	<5	3.4	<10	46	0.18	77	<10	10.5	78	21.2
L-7000E 8500N	0.93	<2	2.13	6	95	0.7	<5	0.43	2	19	19	138	4.65	<1	0.05	10.2	10	0.72	928	3	0.03	19	0.11	7	0.11	<5	2.4	<10	67	0.17	115	<10	6.5	70	5.3
L-7000E 8550N	0.678	<2	2.57	8	102	1	<5	0.43	3	26	24	99.7	5.73	<1	0.04	12.9	12	1.03	1160	3	0.02	25	0.11	9	0.13	<5	3.6	<10	51	0.21	159	<10	9.9	99	6.7



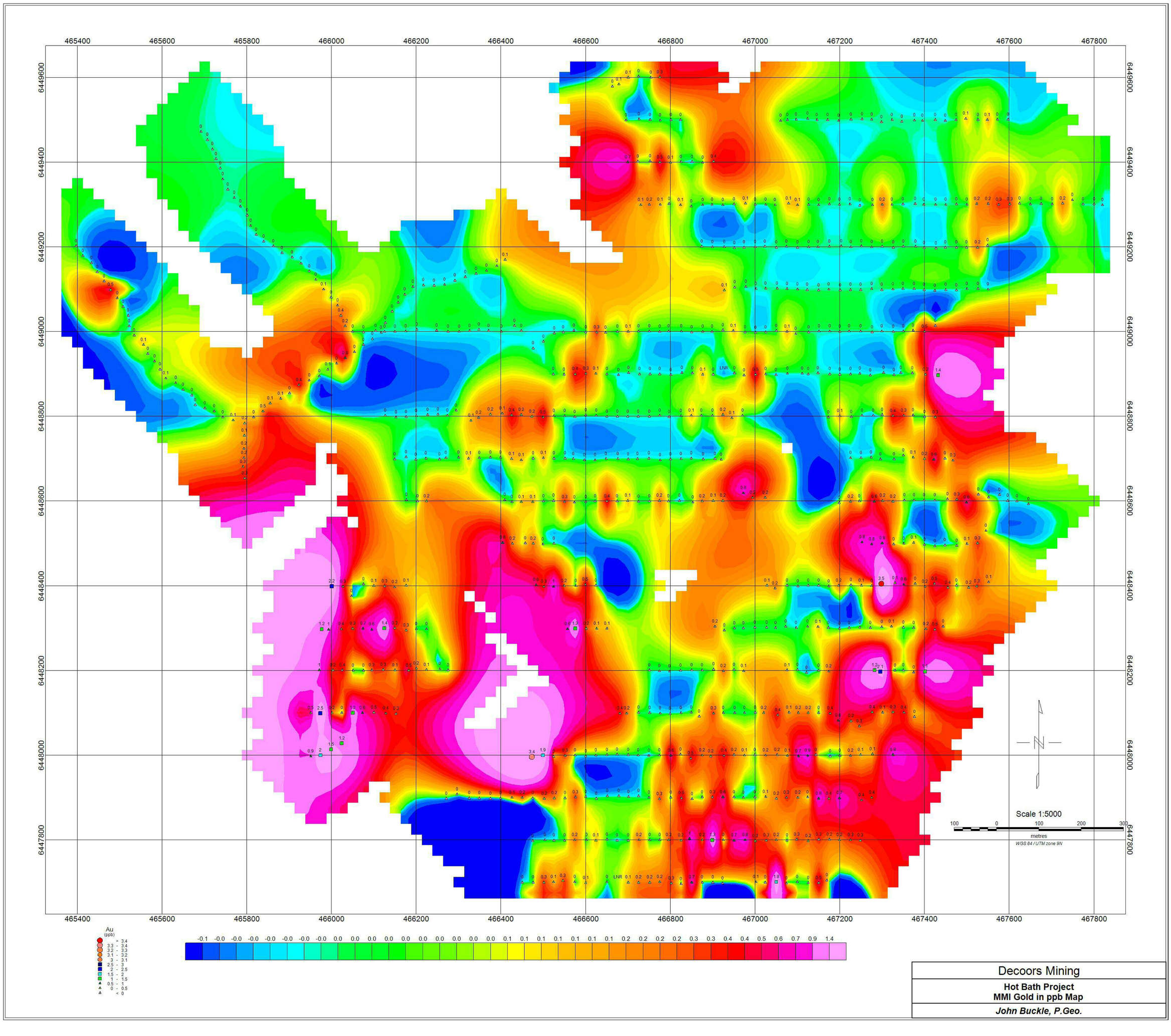
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MMI Copper Map

John Buckle, P.Geo.



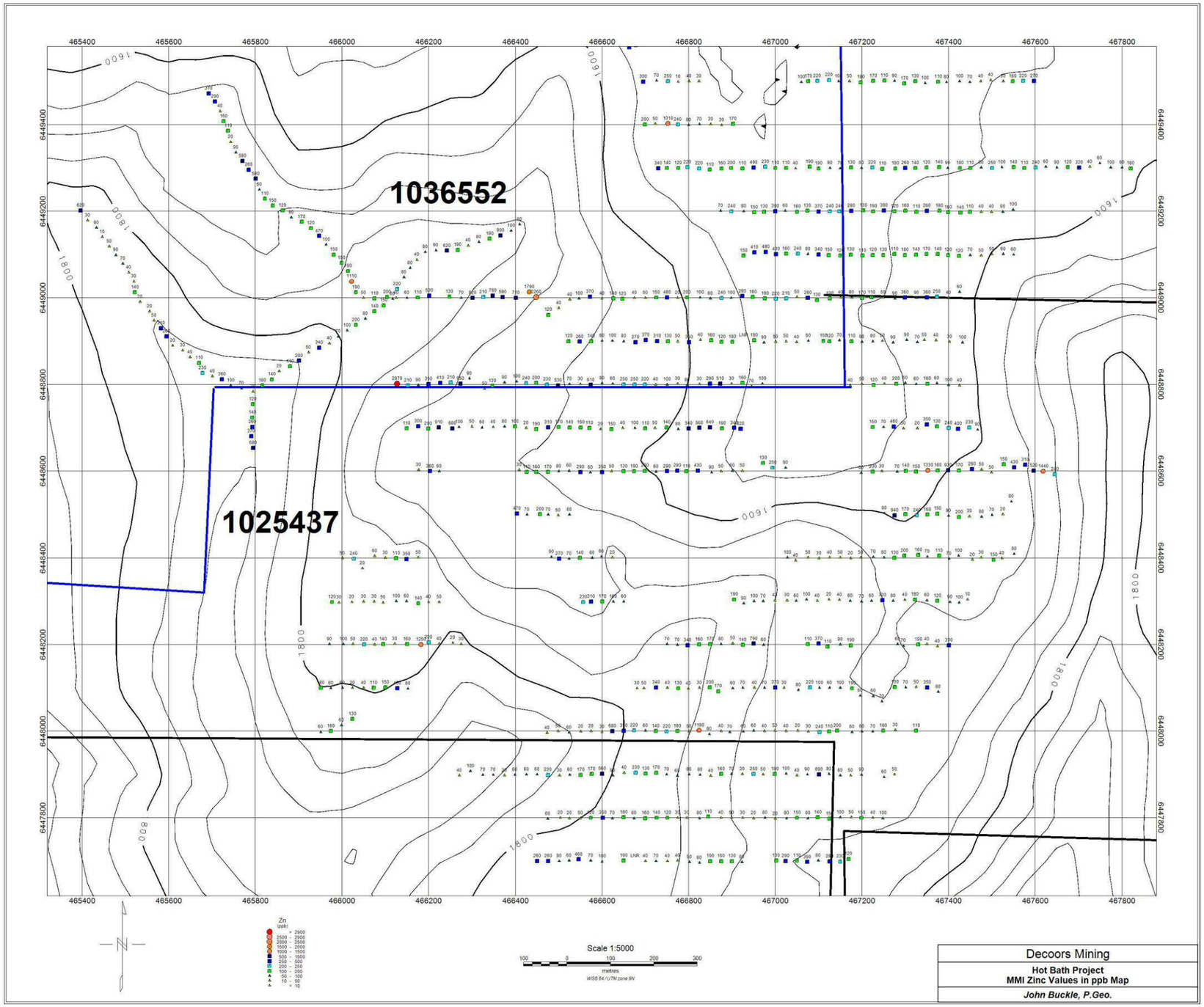
Decoors Mining
Hot Bath Project **MMI Zinc in ppb Map**
John Buckle, P.Geo.

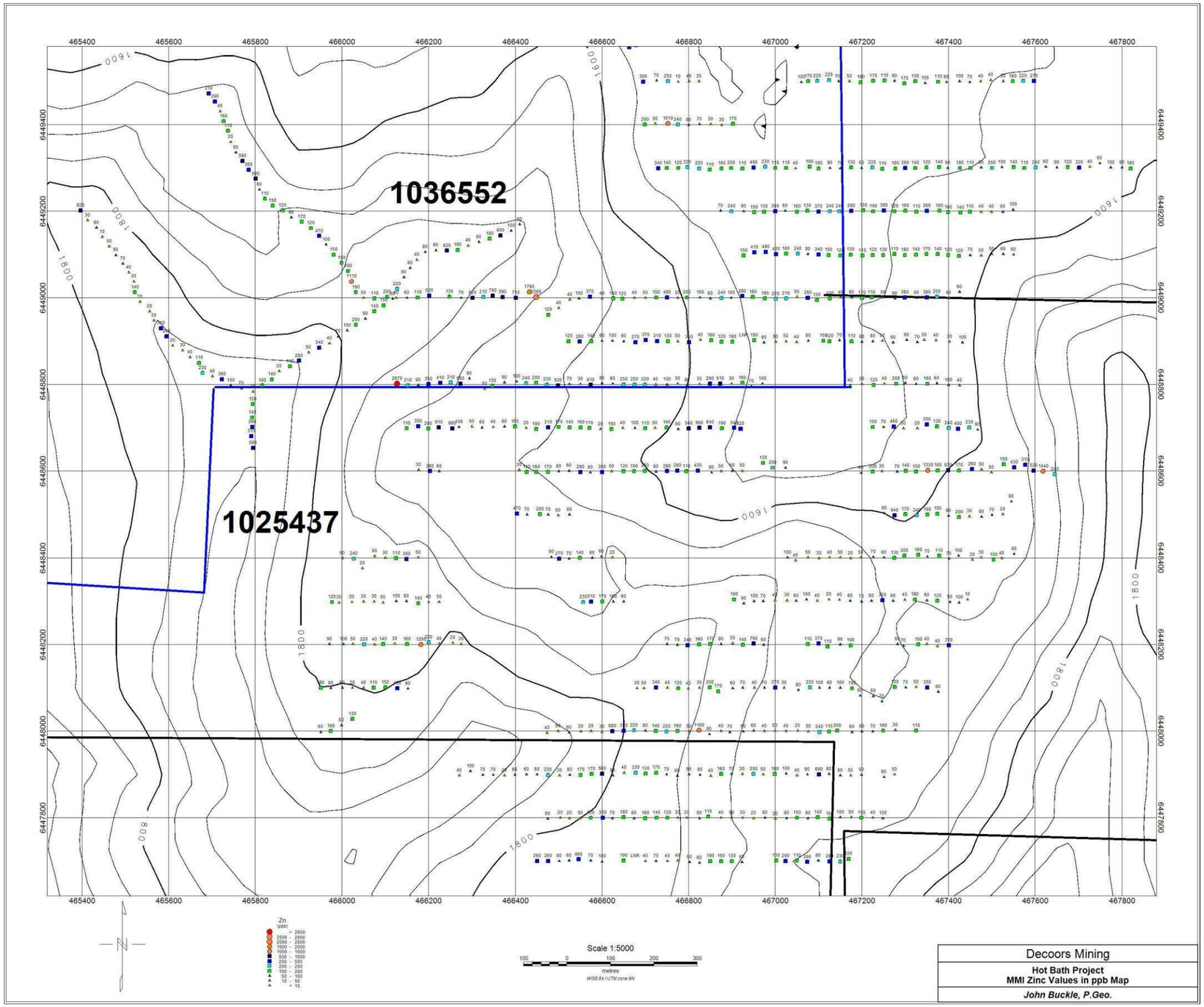


Decoors Mining

Hot Bath Project
MMI Gold in ppb Map

John Buckle, P.Geo.


1036552
1025437
Zn
(ppb)
> 2900
2500 - 2900
2000 - 2500
1500 - 2000
500 - 1500
250 - 550
200 - 250
100 - 200
50 - 100
10 - 50
< 10
Scale 1:5000
100 0 100 200 300
metres
WGS 84 / UTM zone 9N
Decoors Mining
Hot Bath Project
MMI Zinc Values in ppb Map
John Buckle, P.Geo.


1036552
1025437
465400
465600
465800
466000
466200
466400
466600
466800
467000
467200
467400
467600
467800
6449400
6449200
6449000
6448800
6448600
6448400
6448200
6448000
6447800
1600
1800
Zn
(ppb)
> 2900
2500 - 2900
2000 - 2500
1500 - 2000
1000 - 1500
500 - 1000
250 - 500
200 - 250
100 - 200
50 - 100
10 - 50
< 10
Scale 1:5000
100 0 100 200 300
metres
WGS 84 / UTM zone 9N
Decoors Mining
Hot Bath Project
MMI Zinc Values in ppb Map
John Buckle, P.Geo.

XRF Measurements

Handheld XRF (X-ray fluorescence) analyzers provide a fast, accurate, and non-destructive identification of minerals. The analyzer works by emitting a high-energy X-ray beam powerful enough to displace electrons from the inner orbital shells of atoms. This displacement occurs when the X-ray beam energy is higher than the binding energy of the electrons. When a displacement occurs, the atom becomes unstable. The atom immediately corrects this by electron fluorescence - or, in simpler terms, by having an electron from an outer shell move down to the vacancy in the inner shell. The movement of the electron from an outer shell to an inner shell results in a loss of energy. The amount of energy loss is equal to the difference in energy between the two electron shells, which is determined by the distance between them. This distance is unique to each element. Therefore, by measuring the amount of energy lost the XRF can determine which element(s) are fluorescing and in what amounts.

In the field the XRF was used to obtain real-time data while prospecting. It was also used on soil samples to get immediate results. Two modes were used: a mining mode for rocks and a soils mode for soils. Each prospective rock was analyzed for 60 seconds. The soil samples were analyzed twice @ 60 seconds each. This time length allowed for both accuracy and efficiency. While positive Au results are extremely scarce (Au often occurs in too minute of quantities), the XRF is an excellent tool for identifying and following up on pathfinder elements as well as precious metals such as copper, lead, and zinc.

The XRF instrument was used to screen soil samples and rock outcrop in the field. The response was valid for higher content elements such as copper but less reliable for low quantity elements such as gold.

CONCLUSIONS AND RECOMMENDATIONS

A survey coverage of approximately 20 line-km of MMI soil sampling and 12 line kilometers of IP and 3.5 line kilometers of magnetometer geophysical surveys within the Hot Bath project area, all soil samples and geophysical data were collected within the claims 1025437 and 1036552 in the centre of the Hot Bath claim block. The 2015 Induced Polarization geophysical program detected chargeability and resistivity anomalies coincident with the high MMI values in the Hot Bath area. MMI soil sample of copper up to 42,900 ppb whereas the mean value is 1165 ppb, indicates a strong copper anomaly on the south flank of an interpreted intrusive. Some 250 meters west of this anomaly rock samples exceeding 3% confirm a local copper source with coincident anomalous gold values.

The Hot Bath project has very good potential as an exploration target for copper/gold bearing hydrothermal mineralization. As these high values appear to ring an interpreted intrusive the mineralization is potentially associated with a mineralized intrusive. Further work is recommended in the Hot Bath intrusive area, in the central part of the Hot Bath block, on claims 1036552 and 1025437. As the comparison of the MMI and standard soil analysis results for copper have a direct association a follow-up soil geochemical survey can be executed using standard auger geochemical survey techniques. This method is significantly faster and less expensive than MMI. Geological mapping of the exposed mineralized vein and channel sampling of the outcrop is also recommended. Regional mapping should concentrate on the ring zone of the intrusive with attention paid to discovering additional mineralized

veins. Assuming the mineralized vein is associated with the intrusive, orientation measurement any newly discovered veins would likely be arranged radially around the intrusive centre. Induced Polarization geophysical surveying gave a good response from the disseminated sulphides associated with the mineralized vein and the assumed porphyry intrusive. Additionally, the associated resistivity value from the IP survey has shown to be useful for geological mapping. IP lines were run perpendicular to the geological strike. The geological units as mapped by the BCGS are approximately east-west, however the strike of the mineralized vein is northwest. Further mapping will help to resolve the extent of the favourable geological unit. Further geochemical sampling and geophysical readings should be run to the north-west with 100 meter separated lines at 50 meter intervals.

REFERENCES

1. Buckle, J.E., Oct. 18, 2013 Interpretation Report on Airborne Geophysical Data from Quest East Survey Covering the Hot Bath Property, Dease Lake Area, Northwest Mining Division, British Columbia, Assessment Report 2013 2. Geological Fieldwork 2011, Paper 2012-1 115 Ministry of Energy, Mines and Natural Gas, British Columbia Geological Survey, Victoria, B.C., Canada.
2. Buckle, J.E., June 15, 2015 Interpretation REPORT ON Mobile Metal ION and Induced Polarization Surveys Covering The Hot Bath Property, Dease Lake Area, Northwest Mining Division, British Columbia
3. Logan, J.M., Diakow, L.J., van Straaten, B.I., Moynihan, D.P. and Iverson, O. (2012): QUEST Northwest mapping: BC Geological Survey Dease Lake Geoscience Project, northern British Columbia (NTS 104I, J); in Geoscience BC Summary of Activities 2011, Geoscience BC, Report 2012-1, p. 5–14. Ministry of Energy, Mines and Natural Gas, British Columbia Geological Survey, Victoria, B.C., Canada
4. Logan J.M., Moynihan D.P. and Diakow L.J. Dease Lake Geoscience Project, Part I: Geology and Mineralization of the Dease Lake (NTS 104J/08) and East-Half of the Little Tuya River (NTS 104J/07E) Map Sheets, Northern British Columbia, QUEST-Northwest mapping, Geoscience, Ministry of Energy, Mines and Natural Gas, British Columbia Geological Survey, Victoria, B.C., Canada
5. Iverson O., Mahoney J.B. and Logan J.M. Dease Lake Geoscience Project, Part IV: Tsaybahe Group: Lithological and Geochemical Characterization of Middle Triassic Volcanism in the Stikine Arch, North-Central British Columbia QUEST-Northwest mapping, Geoscience, Ministry of Energy, Mines and Natural Gas, British Columbia Geological Survey, Victoria, B.C., Canada
6. van Straaten, B.I., Logan, J.M., and Diakow, L.J., Geological mapping, Dease Lake, Dease Lake Geoscience Project, Part II: Preliminary Report on the Mesozoic Magmatic History and Metallogeny of the Hotailuh Batholith and Surrounding Volcanic and Sedimentary Rocks NORTHWESTERN BRITISH COLUMBIA Ministry of Energy, Mines and Natural Gas, British Columbia Geological Survey, Victoria, B.C., Canada

AUTHOR'S CERTIFICATE

I, JOHN BUCKLE, do hereby certify that: I am a Consulting Geoscientist with Geological Solutions. I am the author of this report, titled: Report on Mobile Metal Ion, Induced Polarization and Ground

Magnetometer Survey on the Hot Bath Property, Dease Lake Area, Liard Mining Division, British Columbia

I further certify that:

1. I am a graduate of York University of Toronto (1980) and hold a B.Sc. degree.
2. I have been practicing my profession for the past 35 years, and have been active in the mining industry for the past 42 years.
3. This report is compiled from data obtained from DeCoors Mining Corp.
4. I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (Geophysics) #31027 and with the Association of Professional Geoscientists of Ontario #0017.

Statement of Expenditures

TABLE 6 TABLE OF EXPENDITURE

Item	Work done	Cost per unit	Total
MMI Jul 12-18, 15 sampling 10+3=13	760		
MMI 3-man crew wages	13 days	$1,300 /day	16,900
MMI analysis	760	$42/sample	33000
IP survey	12 lines	$1,500	18000
IP 8-man crew	14 days	$3,000	42000
IP equipment rental	14 days?	$500	$7000
Helicopter cost	5 hours	1,700	8500
Field camp MMI survey	14 days 3man	1,000	14000
Field camp IP survey	14 days	500	7000
Site visit+helicopter	4 man/days		3000
Magnetometer survey	7 lines	3.5 km	7000
Project supervision	?		
Field truck	?		
Report and interp			5000

Magnetometer Data

TABLE 7 GROUND MAGNETIC DATA TABLE

Line	alt	dif	dir	line	ln_sta	mag	sta	x	y
D2	1722	140447	NW	00002NW	L2:025	56554.6	25	466815	6447669
D2	1732	140342	NW	00002NW	L2:050	56558.4	50	466801	6447689
D2	1744	140222	NW	00002NW	L2:075	56999.71	75	466786	6447701
D2	1758	135812	NW	00002NW	L2:100	57346.14	100	466770	6447720
D2	1767	135712	NW	00002NW	L2:125	57173.69	125	466751	6447733
D2	1772	135612	NW	00002NW	L2:150	56676.82	150	466735	6447750
D2	1775	135512	NW	00002NW	L2:175	56572.33	175	466719	6447768
D2	1778	135212	NW	00002NW	L2:225	56098.94	225	466684	6447797
D2	1781	135352	NW	00002NW	L2:200	56411	200	466701	6447785
D2	1783	135057	NW	00002NW	L2:250	56235.4	250	466669	6447822
D2	1786	135002	NW	00002NW	L2:275	56197.9	275	466652	6447843
D2	1786	134917	NW	00002NW	L2:300	56114.64	300	466636	6447859
D2	1795	134827	NW	00002NW	L2:325	56071.35	325	466619	6447878
D2	1803	134727	NW	00002NW	L2:350	56503.37	350	466603	6447893
D2	1810	134632	NW	00002NW	L2:375	56420.96	375	466585	6447909
D2	1821	134532	NW	00002NW	L2:400	56604.9	400	466569	6447923
D2	1834	134427	NW	00002NW	L2:425	56702.53	425	466555	6447942
D2	1845	134337	NW	00002NW	L2:450	56695.69	450	466540	6447955
D2	1857	134247	NW	00002NW	L2:475	56729.81	475	466525	6447971
D2	1867	134032	NW	00002NW	L2:500	56730.98	500	466507	6447986
D3	1699		NW	00003NW		55936.95	25	466869	6447763
D3	1701		NW	00003NW		56340.76	0	466886	6447739
D3	1704		NW	00003NW		55782.16	50	466850	6447780
D3	1708		NW	00003NW		55850.76	75	466834	6447798
D3	1718		NW	00003NW		56013.67	100	466815	6447815
D3	1727		NW	00003NW		55856.08	125	466799	6447832
D3	1743		NW	00003NW		56295.21	150	466791	6447851
D3	1754		NW	00003NW		56472.13	175	466777	6447867
D3	1763		NW	00003NW		56869.38	200	466761	6447888
D3	1766		NW	00003NW		57107.87	225	466740	6447901
D3	1771		NW	00003NW		56919.9	250	466721	6447914
D3	1774		NW	00003NW		56551.54	275	466705	6447932
D3	1783		NW	00003NW		56697.78	300	466688	6447948
D3	1787		NW	00003NW		56766.69	325	466673	6447962
D3	1792		NW	00003NW		56927.81	350	466659	6447977
D3	1798		NW	00003NW		56839.7	375	466641	6448000
D3	1806		NW	00003NW		56829.74	400	466627	6448017

D3	1814		NW	00003NW		56970.79	425	466611	6448034
D4	1683	124252	NW	00004NW	L4:150	56750.48	150	466967	6447806
D4	1685	124342	NW	00004NW	L4:100	56317.67	100	467001	6447771
D4	1686	124507	NW	00004NW	L4:075	56327.18	75	467021	6447753
D4	1686	124242	NW	00004NW	L4:125	56810.2	125	466983	6447789
D4	1689	124457	NW	00004NW	L4:050	56461.93	50	467036	6447734
D4	1689	123807	NW	00004NW	L4:225	56270.24	225	466919	6447873
D4	1690	124557	NW	00004NW	L4:025	56356.88	25	467055	6447714
D4	1690	124037	NW	00004NW	L4:175	56517.48	175	466949	6447826
D4	1690	123917	NW	00004NW	L4:200	56496.42	200	466934	6447845
D4	1695	124642	NW	00004NW	L4:0	56337.91	0	467073	6447696
D4	1695	123727	NW	00004NW	L4:250	56577.58	250	466901	6447881
D4	1700	123617	NW	00004NW	L4:275	56400.5	275	466885	6447898
D4	1706	123457	NW	00004NW	L4:300	56317.54	300	466867	6447917
D4	1714	123347	NW	00004NW	L4:325	56494.13	325	466850	6447932
D4	1717	123357	NW	00004NW	L4:350	56285.3	350	466834	6447947
D4	1730	123037	NW	00004NW	L4:375	56585.91	375	466820	6447964
D4	1741	123047	NW	00004NW	L4:400	56724.65	400	466804	6447982
D4	1750	122922	NW	00004NW	L4:425	56752.97	425	466791	6447996
D4	1757	122812	NW	00004NW	L4:450	57107.38	450	466775	6448012
D4	1766	122712	NW	00004NW	L4:475	57087.51	475	466757	6448028
D4	1771	122617	NW	00004NW	L4:500	57389.84	500	466739	6448045
D4	1776	122512	NW	00004NW	L4:525	56867.01	525	466723	6448061
D4	1781	122337	NW	00004NW	L4:550	57197.99	550	466704	6448078
D4	1788	122402	NW	00004NW	L4:575	57334.87	575	466686	6448096
D5	1671	115857	NW	00005NW	L5:175	56746.98	175	467026	6447881
D5	1672	115947	NW	00005NW	L5:200	56464.71	200	467006	6447900
D5	1673	115802	NW	00005NW	L5:150	56693.29	150	467045	6447863
D5	1675	120042	NW	00005NW	L5:225	56325.4	225	466989	6447918
D5	1676	115707	NW	00005NW	L5:125	56386.8	125	467064	6447845
D5	1677	115632	NW	00005NW	L5:100	56637.77	100	467081	6447828
D5	1678	120217	NW	00005NW	L5:275	56333.93	275	466958	6447952
D5	1679	120137	NW	00005NW	L5:250	56367.12	250	466973	6447935
D5	1683	115552	NW	00005NW	L5:075	56650.64	75	467101	6447809
D5	1685	120317	NW	00005NW	L5:300	56111.17	300	466935	6447969
D5	1688	115502	NW	00005NW	L5:050	56715.01	50	467118	6447792
D5	1689	115422	NW	00005NW	L5:025	56309.91	25	467134	6447774
D5	1691	120437	NW	00005NW	L5:325	56557.14	325	466926	6447990
D5	1697	120542	NW	00005NW	L5:350	56241.79	350	466908	6448004
D5	1698	115302	SE	00005NW	L5:0	56213.53	0	467153	6447757
D5	1707	120652	NW	00005NW	L5:375	56521.13	375	466893	6448018

D5	1717	120822	NW	00005NW	L5:400	56398.94	400	466875	6448036
D5	1728	120947	NW	00005NW	L5:425	56634.17	425	466861	6448055
D5	1737	121102	NW	00005NW	L5:450	56699.21	450	466847	6448070
D5	1743	121317	NW	00005NW	L5:500	56721.29	500	466815	6448093
D5	1760	121437	NW	00005NW	L5:525	56969.77	525	466800	6448118
D5	1769	121552	NW	00005NW	L5:550	57354.08	550	466783	6448136
D5	1775	121657	NW	00005NW	L5:575	58109.75	575	466768	6448151
D5	1776	121912	NW	00005NW	L5:625	58125.04	625	466732	6448185
D5	1779	121707	NW	00005NW	L5:600	58091.03	575	466768	6448151
D6	1665	113922	NW	00006NW	L6:150	56778.82	150	467097	6447953
D6	1665	113817	NW	00006NW	L6:175	56585.24	175	467080	6447974
D6	1666	113652	NW	00006NW	L6:200	56506.36	200	467062	6447993
D6	1666	113357	NW	00006NW	L6:275	56611.21	275	467013	6448044
D6	1667	114007	NW	00006NW	L6:125	56489.24	125	467113	6447939
D6	1668	114102	NW	00006NW	L6:100	56425.41	100	467131	6447922
D6	1668	113547	NW	00006NW	L6:225	56778.75	225	467044	6448010
D6	1672	113437	NW	00006NW	L6:250	56953.4	250	467028	6448027
D6	1674	114157	NW	00006NW	L6:075	56292.89	75	467150	6447900
D6	1675	113257	NW	00006NW	L6:300	56544.76	300	466991	6448061
D6	1680	114252	NW	00006NW	L6:050	56768.96	50	467165	6447884
D6	1684	113157	NW	00006NW	L6:325	56730.15	325	466977	6448077
D6	1685	114542	NW	00006NW	L6:0	56308.6	0	467199	6447848
D6	1685	114422	NW	00006NW	L6:025	57151.13	25	467185	6447869
D6	1694	113102	NW	00006NW	L6:350	56734.02	350	466964	6448094
D6	1706	113017	NW	00006NW	L6:375	56886.93	375	466946	6448112
D6	1716	112932	NW	00006NW	L6:400	56932.73	400	466929	6448129
D6	1721	112812	NW	00006NW	L6:425	57040.97	425	466914	6448143
D6	1729	112702	NW	00006NW	L6:450	56771.7	450	466895	6448160
D6	1737	112607	NW	00006NW	L6:475	56841.87	475	466882	6448175
D6	1748	112402	NW	00006NW	L6:500	56850.94	500	466869	6448192
D6	1763	112252	NW	00006NW	L6:525	57701.51	525	466856	6448207
D6	1764	112207	NW	00006NW	L6:550	58847.33	550	466841	6448228
D6	1764	112107	NW	00006NW	L6:575	58874.13	575	466831	6448253
D7	1650	57291.16	NW	00007NW	L7:100	56486.65	100	467173	6448012
D7	1651	57289.52	NW	00007NW	L7:125	56467.06	125	467153	6448032
D7	1651	57296.42	NW	00007NW	L7:275	56444.81	275	467054	6448132
D7	1652	57290.92	NW	00007NW	L7:075	56256.14	75	467190	6447993
D7	1652	57291.15	NW	00007NW	L7:150	56505.43	150	467140	6448050
D7	1653	57291.09	NW	00007NW	L7:175	56438.66	175	467120	6448067
D7	1654	57292.22	NW	00007NW	L7:200	56375.83	200	467102	6448084
D7	1654	57292.32	NW	00007NW	L7:225	56377.62	225	467089	6448101

D7	1655	57299.26	NW	00007NW	L7:300	56463.73	300	467040	6448150
D7	1656	57291.23	NW	00007NW	L7:050	56173.9	50	467209	6447978
D7	1658	57294.12	NW	00007NW	L7:250	56648.5	250	467073	6448119
D7	1659	57300.9	NW	00007NW	L7:325	56429.68	325	467023	6448174
D7	1671	57304.6	NW	00007NW	L7:350	56582.69	350	467005	6448192
D7	1682	57311.96	NW	00007NW	L7:375	56686.24	375	466992	6448210
D7	1690	57313.22	NW	00007NW	L7:400	56639.05	400	466979	6448230
D7	1700	57318.94	NW	00007NW	L7:425	56749.41	425	466966	6448251
D7	1710	57323.75	NW	00007NW	L7:450	57005.51	450	466953	6448267
D7	1715		NW	00007NW	L7:525	57708.54	525	466901	6448316
D7	1720	57326.57	NW	00007NW	L7:475	57906.84	475	466939	6448283
D7	1721	57327.77	NW	00007NW	L7:500	57695.42	500	466925	6448297
D8	1642	57409.9	NW	00008NW	L8:025	56636.92	25	467232	6448077
D8	1644	57410.12	NW	00008NW	L8:0	56527.03	0	467259	6448073
D8	1644	57410.15	NW	00008NW	L8:100	56639.98	100	467169	6448098
D8	1644	57409.83	NW	00008NW	L8:125	56684.69	125	467152	6448118
D8	1644	57409.98	NW	00008NW	L8:150	56623.1	150	467139	6448135
D8	1645	57410.06	NW	00008NW	L8:075	56452.99	75	467190	6448079
D8	1646	57410	SE	00008NW	L8:-50	56527.95	0	467293	6448039
D8	1646	57410.13	NW	00008NW	L8:050	56967.39	50	467209	6448071
D8	1647	57410	SE	00008NW	L8:-25	56391.55	25	467275	6448057
D8	1648	57410.38	NW	00008NW	L8:175	56732.32	175	467133	6448157
D8	1648	57410.32	NW	00008NW	L8:200	56726.17	200	467127	6448181
D8	1652	57410.45	NW	00008NW	L8:225	56328.09	225	467117	6448205
D8	1658	57410.16	NW	00008NW	L8:250	56819.97	250	467106	6448219
D8	1662	57409.48	NW	00008NW	L8:275	56909.95	275	467089	6448239
D8	1668	57409.38	NW	00008NW	L8:300	56681.72	300	467071	6448262
D8	1679	57408.6	NW	00008NW	L8:325	56618.49	325	467054	6448286
D8	1685	57408.58	NW	00008NW	L8:350	56962.83	350	467037	6448293
D8	1689	57405.36	NW	00008NW	L8:500	57423.44	500	466951	6448394
D8	1691	57407.85	NW	00008NW	L8:375	57313.52	375	467021	6448310
D8	1697	57405.54	NW	00008NW	L8:475	57924.51	475	466958	6448373
D8	1702	57407.18	NW	00008NW	L8:400	57691.22	400	467009	6448327
D8	1704	57405.89	NW	00008NW	L8:450	58156.85	450	466974	6448362
D8	1705	57406.8	NW	00008NW	L8:425	57917.29	425	466990	6448344

Appendix B MMI Assessment Certificates

SGS

Certificate of Analysis

Work Order : VC143266

[Report File No.: 0000009350]

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

Date: Nov 07, 2014

P.O. No.	:	DeCoors Mining Corp-Hot Bath
Project No.	:	-
No. Of Samples	:	11
Date Submitted	:	Oct 16, 2014
Report Comprises	:	Pages 1 to 8 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC143266 Order: DeCoors Mining Corp-Hot Bath

Report File No.: 0000009350

Element	WtKg	Ag	Al	As	Au	Ba	Bi	Ca
Method	G_WGH79	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.01	1	1	10	0.1	10	1	10
Units	kg	ppb	ppm	ppb	ppb	ppb	ppb	ppm
1256	0.730	13	167	<10	0.2	2560	<1	120
1257	0.865	3	>200	<10	<0.1	270	<1	10
1258	0.470	4	>200	<10	<0.1	380	<1	20
1259	0.585	3	195	<10	<0.1	120	<1	<10
1260	0.635	8	117	<10	0.1	150	<1	70
1261	0.625	10	>200	<10	<0.1	120	<1	<10
1262	0.620	9	>200	<10	0.5	440	<1	30
1263	1.025	10	172	<10	0.1	2420	<1	80
1264	0.805	4	>200	<10	<0.1	240	<1	30
1265	0.770	5	177	<10	0.1	820	<1	110
1266	0.950	36	120	<10	0.4	1070	<1	650

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Final : VC143266 Order: DeCoors Mining Corp-Hot Bath

Report File No.: 0000009350

Element	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	5	5	100	0.5	10	1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1256	3	636	100	<100	3.6	2550	60	27.5
1257	5	242	6	<100	5.0	150	41	18.9
1258	3	302	15	<100	6.7	150	45	21.9
1259	15	82	10	<100	4.7	300	38	21.4
1260	5	314	<5	<100	5.7	1950	64	33.4
1261	6	190	8	<100	5.4	540	41	22.9
1262	3	505	11	<100	6.0	410	52	24.7
1263	2	369	<5	<100	5.0	1390	105	54.9
1264	3	284	<5	<100	5.3	690	47	27.9
1265	2	273	5	<100	5.5	900	37	19.9
1266	3	625	<5	<100	3.2	790	288	175

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SGS

Final : VC143266 Order: DeCoors Mining Corp-Hot Bath

Report File No.: 0000009350

Element	Eu	Fe	Ga	Gd	Hg	In	K	La
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	1	1	1	0.5	0.1	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1256	18.7	27	4	77	<1	<0.5	7.2	475
1257	7.1	27	15	42	<1	<0.5	4.7	80
1258	7.8	33	15	46	<1	<0.5	5.7	111
1259	4.8	23	10	26	<1	<0.5	6.0	25
1260	13.9	13	6	75	<1	<0.5	3.9	126
1261	7.6	22	6	37	<1	<0.5	2.6	64
1262	13.7	31	5	64	<1	<0.5	4.1	222
1263	28.8	10	3	114	<1	<0.5	4.6	387
1264	9.8	17	7	43	<1	<0.5	7.8	103
1265	10.6	11	4	42	<1	<0.5	13.6	170
1266	97.4	7	<1	350	<1	<0.5	5.0	817

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Final : VC143266 Order: DeCoors Mining Corp-Hot Bath

Report File No.: 0000009350

Element	Li	Mg	Mn	Mo	Nb	Nd	Ni	P
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	5	1	10	5	0.5	1	5	0.1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm
1256	<5	12	9890	<5	3.7	378	83	4.6
1257	<5	1	670	<5	14.9	158	102	2.5
1258	<5	2	2240	<5	11.1	184	51	2.4
1259	<5	<1	150	<5	3.2	69	51	1.0
1260	<5	1	230	<5	1.7	276	17	0.4
1261	<5	<1	200	<5	2.4	144	39	0.8
1262	<5	1	400	5	3.2	294	17	3.3
1263	<5	3	530	<5	2.8	437	33	1.2
1264	<5	<1	250	<5	2.6	158	26	1.4
1265	<5	6	780	<5	2.9	179	10	1.3
1266	<5	36	380	<5	<0.5	1190	21	<0.1

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Final : VC143266 Order: DeCoors Mining Corp-Hot Bath

Report File No.: 0000009350

Element	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	1	1	5	1	5	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1256	40	<1	91	<1	100	<1	43	77
1257	90	<1	32	<1	88	<1	24	41
1258	90	<1	39	<1	135	<1	23	45
1259	100	<1	13	<1	77	<1	22	19
1260	30	<1	53	<1	99	<1	38	72
1261	30	<1	29	<1	64	<1	23	34
1262	50	<1	65	<1	85	<1	38	67
1263	50	<1	97	<1	94	<1	58	101
1264	50	<1	34	<1	57	<1	33	39
1265	50	<1	40	<1	74	<1	34	41
1266	<10	<1	226	<1	56	<1	99	301

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Final : VC143266 Order: DeCoors Mining Corp-Hot Bath

Report File No.: 0000009350

Element	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	10	1	1	10	0.5	3	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1256	<1	570	<1	10	<10	35.4	447	<0.5
1257	1	<10	1	6	<10	23.1	589	<0.5
1258	<1	60	<1	7	<10	25.8	806	<0.5
1259	<1	10	<1	5	<10	6.1	88	<0.5
1260	<1	70	<1	11	<10	17.4	134	<0.5
1261	<1	<10	<1	6	<10	8.3	267	<0.5
1262	<1	90	<1	9	<10	57.0	775	<0.5
1263	<1	390	<1	16	<10	58.4	335	<0.5
1264	<1	50	<1	7	<10	23.6	500	<0.5
1265	<1	500	<1	6	<10	61.5	421	<0.5
1266	<1	2190	<1	45	<10	102	<3	<0.5

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Final : VC143266 Order: DeCoors Mining Corp-Hot Bath

Report File No.: 0000009350

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	1	1	1	20	5
Units	ppb	ppb	ppb	ppb	ppb	ppb
1256	53	<1	311	21	50	190
1257	16	<1	175	14	70	572
1258	19	<1	211	17	70	463
1259	21	<1	196	17	60	71
1260	34	<1	336	25	80	279
1261	17	<1	225	18	30	89
1262	53	<1	248	19	20	99
1263	73	<1	567	44	30	223
1264	36	<1	266	24	30	72
1265	49	<1	188	16	30	147
1266	138	<1	2090	139	50	14

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Certificate of Analysis

Work Order : VC143299

[Report File No.: 0000009390]

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

Date: Nov 12, 2014

P.O. No.	:	DeCoors Mining Corp-Ootsa
Project No.	:	-
No. Of Samples	:	57
Date Submitted	:	Oct 16, 2014
Report Comprises	:	Pages 1 to 15 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC143299 Order: DeCoors Mining Corp-Ootsa

Report File No.: 0000009390

Element	WtKg	Ag	Al	As	Au	Ba	Bi	Ca
Method	G_WGH79	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.01	1	1	10	0.1	10	1	10
Units	kg	ppb	ppm	ppb	ppb	ppb	ppb	ppm
1396	0.490	1	27	10	<0.1	180	<1	260
1397	0.335	<1	26	30	<0.1	1510	<1	780
1398	0.580	2	29	<10	<0.1	150	<1	630
1399	0.360	<1	19	<10	<0.1	110	<1	480
1400	0.330	2	54	<10	<0.1	160	<1	510
1401	0.415	3	63	<10	<0.1	290	<1	480
1402	0.730	10	66	<10	<0.1	1850	<1	520
1403	0.660	15	32	<10	0.2	1060	<1	630
1404	0.650	20	17	<10	<0.1	1560	<1	590
1405	0.535	26	32	<10	<0.1	1190	<1	630
1406	0.720	18	45	<10	0.1	2060	<1	480
1407	0.615	19	82	<10	<0.1	960	<1	470
1408	0.705	13	78	<10	<0.1	1870	<1	410
1409	0.800	10	131	<10	<0.1	1740	<1	400
1410	0.865	10	21	<10	<0.1	1730	<1	580
1411	0.325	7	>200	10	<0.1	1010	1	100
1419	0.555	<1	>200	<10	<0.1	1750	<1	130
1420	0.640	7	113	<10	<0.1	1680	<1	340
1421	0.720	9	108	<10	<0.1	1840	<1	350
1422	0.475	13	172	<10	<0.1	730	<1	570
1423	0.455	1	196	<10	<0.1	420	<1	310
1424	0.810	8	147	<10	<0.1	2380	<1	360
1425	0.650	9	152	<10	<0.1	1260	<1	330
1426	0.810	6	113	<10	<0.1	2850	<1	330
1427	0.770	9	146	20	<0.1	2560	<1	280
1428	0.685	14	91	<10	<0.1	2110	<1	440
1429	0.735	18	136	<10	<0.1	1390	<1	280
1430	0.695	11	149	10	<0.1	2310	<1	290
1431	0.730	7	157	10	<0.1	2030	<1	250
1432	0.735	6	99	10	<0.1	2540	<1	270
1433	0.920	3	100	20	0.1	3370	<1	280
1434	0.685	3	130	20	<0.1	3090	<1	310
1435	0.535	7	71	<10	<0.1	1760	<1	380
1436	0.695	13	41	<10	<0.1	1000	<1	540
1437	0.655	7	40	<10	<0.1	990	<1	640
1438	0.650	13	24	<10	0.1	1210	<1	510
1439	0.900	7	79	20	<0.1	730	<1	320
1440	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1477	0.605	25	53	<10	<0.1	1310	<1	500
1478	0.785	23	60	<10	<0.1	2500	<1	480

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Final : VC143299 Order: DeCoors Mining Corp-Ootsa

Report File No.: 0000009390

Element	WtKg	Ag	Al	As	Au	Ba	Bi	Ca
Method	G_WGH79	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.01	1	1	10	0.1	10	1	10
Units	kg	ppb	ppm	ppb	ppb	ppb	ppb	ppm
1479	0.735	173	66	<10	2.2	1610	<1	590
1480	0.630	11	39	<10	<0.1	1030	<1	430
1197	0.800	11	14	<10	0.3	1840	<1	400
1203	0.580	<1	9	<10	<0.1	160	<1	350
1214	0.825	18	8	<10	2.6	1330	<1	290
1384	0.940	5	124	20	<0.1	940	<1	200
1385	0.660	6	114	20	<0.1	3560	<1	270
1386	0.610	10	13	<10	0.4	2100	<1	720
1387	0.535	15	86	<10	<0.1	1950	<1	360
1388	0.760	16	167	30	<0.1	1940	<1	140
1389	0.855	5	40	10	0.2	2870	<1	350
1390	0.740	4	122	10	<0.1	3750	<1	230
1391	0.950	15	154	10	<0.1	2020	<1	150
1392	0.615	15	62	20	<0.1	1460	<1	310
1393	0.830	4	113	<10	<0.1	1350	<1	190
1394	0.990	2	163	20	<0.1	3370	<1	170
1395	0.690	3	90	30	0.1	2840	<1	260

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Final : VC143299 Order: DeCoors Mining Corp-Ootsa

Report File No.: 0000009390

Element	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	5	5	100	0.5	10	1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1396	2	14	26	<100	1.7	210	6	3.6
1397	<1	28	20	<100	10.0	390	13	7.0
1398	2	25	13	<100	1.2	230	12	6.6
1399	<1	9	7	<100	1.0	60	6	3.1
1400	3	18	23	<100	0.8	110	9	6.0
1401	8	42	81	<100	0.6	290	16	11.4
1402	2	294	50	<100	<0.5	220	37	17.6
1403	15	79	53	<100	0.9	470	47	33.3
1404	14	12	20	<100	0.9	300	8	4.2
1405	22	46	29	<100	<0.5	620	25	17.4
1406	11	127	47	<100	1.6	480	25	10.7
1407	21	174	11	<100	0.9	380	31	14.7
1408	15	158	12	<100	2.0	230	18	8.6
1409	14	325	36	<100	1.5	280	72	36.3
1410	3	77	63	<100	0.6	280	8	3.2
1411	4	105	168	<100	1.5	470	78	108
1419	12	202	43	<100	4.6	120	34	20.0
1420	8	302	28	<100	1.9	240	33	15.8
1421	6	351	36	<100	2.7	250	34	15.3
1422	10	1010	55	<100	2.7	1300	239	127
1423	8	292	69	<100	<0.5	220	149	93.8
1424	2	308	74	<100	3.2	290	22	9.7
1425	14	214	48	<100	2.4	260	58	28.7
1426	5	76	25	<100	3.3	80	6	2.8
1427	3	365	30	<100	4.9	220	47	21.2
1428	5	148	37	<100	2.0	190	21	9.0
1429	7	643	33	<100	2.1	270	65	28.4
1430	8	654	30	<100	7.2	400	77	32.7
1431	6	214	54	<100	4.0	170	27	13.1
1432	3	297	14	<100	6.1	240	27	11.7
1433	2	274	24	<100	7.9	330	21	8.8
1434	6	262	22	<100	7.3	160	26	10.7
1435	7	628	15	<100	2.7	250	74	33.7
1436	15	50	45	<100	2.2	310	14	8.6
1437	16	85	57	<100	0.6	220	48	36.0
1438	5	137	29	<100	3.2	470	27	13.7
1439	2	215	22	<100	5.2	170	8	3.2
1440	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1477	14	388	44	<100	1.3	390	107	48.6
1478	11	108	15	<100	3.9	310	17	8.0

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Final : VC143299 Order: DeCoors Mining Corp-Ootsa

Report File No.: 0000009390

Element	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	5	5	100	0.5	10	1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1479	12	200	66	<100	18.9	560	95	38.9
1480	12	293	71	<100	1.0	270	47	23.2
1197	6	59	363	<100	<0.5	520	20	10.3
1203	2	<5	44	<100	<0.5	210	<1	<0.5
1214	2	22	76	<100	<0.5	980	9	4.6
1384	4	200	36	<100	2.7	210	18	7.8
1385	4	280	25	<100	3.6	260	28	11.9
1386	7	84	89	<100	<0.5	950	30	17.9
1387	5	326	20	<100	1.7	260	76	35.1
1388	3	485	41	<100	3.6	200	71	32.1
1389	3	312	43	<100	1.3	600	57	26.9
1390	3	205	31	<100	3.4	270	27	12.7
1391	3	145	21	<100	5.4	100	12	5.7
1392	3	145	12	<100	2.3	380	13	4.7
1393	3	102	23	<100	2.9	290	16	7.2
1394	2	124	54	<100	3.9	210	11	5.4
1395	3	593	36	<100	1.6	610	54	24.0

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Final : VC143299 Order: DeCoors Mining Corp-Ootsa

Report File No.: 0000009390

Element	Eu	Fe	Ga	Gd	Hg	In	K	La
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	1	1	1	0.5	0.1	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1396	1.1	32	3	6	<1	<0.5	9.7	5
1397	3.3	6	1	16	<1	<0.5	42.6	7
1398	2.7	9	1	14	<1	<0.5	22.9	5
1399	1.1	10	<1	6	<1	<0.5	11.8	2
1400	1.7	58	4	9	<1	<0.5	4.9	5
1401	3.1	304	5	17	<1	<0.5	6.3	20
1402	10.9	32	<1	51	<1	<0.5	46.2	111
1403	8.9	34	<1	47	<1	<0.5	19.0	42
1404	2.1	9	<1	10	<1	<0.5	88.3	7
1405	5.2	30	<1	26	<1	<0.5	25.3	33
1406	8.0	16	2	37	<1	<0.5	50.2	47
1407	8.9	32	1	43	<1	<0.5	132	72
1408	5.5	29	2	25	<1	<0.5	110	47
1409	17.7	61	2	84	<1	<0.5	101	127
1410	2.5	13	<1	11	<1	<0.5	45.8	23
1411	6.6	487	10	34	<1	<0.5	2.4	39
1419	5.6	94	9	28	<1	<0.5	71.7	62
1420	11.5	58	4	46	<1	<0.5	59.1	124
1421	11.4	56	3	46	<1	<0.5	54.2	133
1422	61.3	266	3	263	<1	<0.5	2.7	364
1423	29.8	274	9	139	<1	<0.5	3.1	93
1424	6.1	65	3	27	<1	<0.5	50.7	80
1425	14.7	66	3	67	<1	<0.5	99.5	118
1426	1.9	37	3	7	<1	<0.5	148	23
1427	15.1	56	10	65	<1	<0.5	77.0	144
1428	6.8	33	2	29	<1	<0.5	57.6	57
1429	19.4	65	4	84	<1	<0.5	87.0	158
1430	25.4	58	14	107	<1	<0.5	54.1	215
1431	7.7	64	5	34	<1	<0.5	52.8	80
1432	9.1	42	4	38	<1	<0.5	78.7	118
1433	6.9	49	7	30	<1	<0.5	82.4	107
1434	8.2	66	12	35	<1	<0.5	112	108
1435	25.2	32	2	107	<1	<0.5	66.7	216
1436	3.4	22	3	18	<1	<0.5	64.4	18
1437	7.7	34	<1	42	<1	<0.5	21.1	36
1438	9.7	24	<1	42	<1	<0.5	52.8	70
1439	2.3	44	4	10	<1	<0.5	173	44
1440	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1477	32.9	17	<1	148	<1	<0.5	107	230
1478	9.1	17	2	27	<1	<0.5	61.8	50

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Final : VC143299 Order: DeCoors Mining Corp-Ootsa

Report File No.: 0000009390

Element	Eu	Fe	Ga	Gd	Hg	In	K	La
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	1	1	1	0.5	0.1	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1479	63.5	9	1	153	1	<0.5	49.6	149
1480	13.6	24	<1	65	<1	<0.5	55.6	88
1197	4.8	9	<1	24	<1	<0.5	17.8	22
1203	<0.5	3	<1	<1	<1	<0.5	9.0	<1
1214	2.6	6	<1	13	<1	<0.5	2.2	7
1384	6.4	72	6	24	<1	<0.5	67.5	74
1385	10.3	55	5	39	<1	<0.5	60.2	135
1386	7.1	11	<1	32	<1	<0.5	18.3	12
1387	34.7	43	3	109	<1	<0.5	50.3	251
1388	25.4	119	9	90	<1	<0.5	50.1	226
1389	26.6	35	2	88	<1	<0.5	36.4	191
1390	10.0	60	5	38	<1	<0.5	68.1	107
1391	3.9	72	11	16	<1	<0.5	47.1	66
1392	3.7	23	2	19	<1	<0.5	157	67
1393	4.4	44	4	19	<1	<0.5	30.3	44
1394	3.9	113	8	14	<1	<0.5	63.3	51
1395	17.7	87	6	72	<1	<0.5	31.9	198

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Final : VC143299 Order: DeCoors Mining Corp-Ootsa

Report File No.: 0000009390

Element	Li	Mg	Mn	Mo	Nb	Nd	Ni	P
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	5	1	10	5	0.5	1	5	0.1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm
1396	41	37	3970	13	0.5	13	51	0.2
1397	27	94	11500	41	<0.5	32	102	4.8
1398	<5	86	2200	16	<0.5	27	77	3.5
1399	8	81	820	7	<0.5	10	48	2.8
1400	6	95	1460	<5	<0.5	17	67	1.7
1401	8	78	5900	25	<0.5	49	250	1.4
1402	11	92	910	<5	<0.5	197	112	0.4
1403	15	154	1470	5	<0.5	105	646	<0.1
1404	<5	130	2360	<5	<0.5	23	121	0.8
1405	<5	145	9060	8	<0.5	72	843	<0.1
1406	<5	91	2850	<5	<0.5	108	121	0.4
1407	<5	78	2070	<5	<0.5	141	324	1.3
1408	<5	62	2710	7	<0.5	93	103	1.9
1409	<5	63	5140	5	<0.5	267	334	2.1
1410	<5	113	1640	<5	<0.5	41	103	0.4
1411	7	23	870	33	1.9	81	294	2.5
1419	<5	23	15600	<5	3.4	91	166	5.6
1420	<5	50	3990	5	1.1	195	145	3.5
1421	<5	63	2320	5	0.9	201	125	1.8
1422	<5	241	6020	44	1.5	849	507	0.5
1423	<5	110	1600	16	<0.5	346	221	1.0
1424	<5	57	760	<5	<0.5	105	97	1.1
1425	<5	64	3000	6	<0.5	207	206	1.3
1426	<5	50	1170	<5	0.6	30	97	2.3
1427	11	79	2710	5	2.9	253	123	2.2
1428	<5	75	1530	<5	<0.5	106	110	1.7
1429	<5	64	5240	6	0.6	287	175	2.8
1430	14	72	2290	6	2.8	394	135	2.1
1431	<5	52	910	<5	1.2	128	47	4.6
1432	<5	54	1420	6	1.5	170	47	2.7
1433	<5	54	850	7	3.0	141	30	2.5
1434	12	58	2870	6	3.3	170	51	3.0
1435	<5	78	4360	<5	<0.5	439	100	1.1
1436	7	124	6600	9	<0.5	50	119	1.3
1437	5	98	1560	<5	<0.5	89	598	<0.1
1438	31	78	1760	5	<0.5	157	89	1.3
1439	<5	42	810	<5	2.4	52	30	8.7
1440	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1477	7	82	6220	8	<0.5	511	204	2.0
1478	<5	49	3060	7	<0.5	108	115	2.5

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Final : VC143299 Order: DeCoors Mining Corp-Ootsa

Report File No.: 0000009390

Element	Li	Mg	Mn	Mo	Nb	Nd	Ni	P
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	5	1	10	5	0.5	1	5	0.1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm
1479	<5	82	5550	8	<0.5	446	204	1.1
1480	7	166	7700	8	<0.5	222	229	0.6
1197	<5	308	10400	<5	<0.5	53	4520	0.2
1203	<5	136	2640	28	<0.5	<1	2000	0.6
1214	<5	234	960	<5	<0.5	27	3520	<0.1
1384	<5	23	3910	8	2.1	103	50	4.6
1385	<5	34	2150	<5	1.7	179	34	2.8
1386	16	99	17400	12	<0.5	44	131	<0.1
1387	<5	52	5300	<5	0.6	414	76	2.2
1388	<5	20	2360	<5	3.1	385	45	7.9
1389	<5	48	5060	5	<0.5	363	63	3.0
1390	<5	34	1920	<5	1.8	169	30	4.0
1391	<5	18	4420	10	3.2	71	32	9.3
1392	<5	51	1550	8	<0.5	90	24	3.7
1393	<5	13	4500	6	0.8	67	24	3.7
1394	<5	22	3460	6	3.0	65	70	8.3
1395	<5	69	2960	6	3.5	316	76	3.5

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Element	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	1	1	5	1	5	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1396	50	<1	2	<1	19	5	6	4
1397	30	<1	4	<1	50	4	9	12
1398	70	<1	4	<1	48	2	9	10
1399	50	<1	1	<1	44	<1	5	4
1400	50	<1	3	<1	17	1	7	6
1401	50	<1	9	<1	13	2	23	13
1402	50	<1	39	<1	94	<1	16	48
1403	40	<1	19	<1	58	<1	22	32
1404	<10	<1	4	<1	103	<1	9	8
1405	30	<1	13	<1	44	<1	18	19
1406	20	<1	19	<1	85	<1	15	30
1407	40	<1	27	<1	142	<1	17	36
1408	40	<1	18	<1	197	<1	18	23
1409	80	<1	51	<1	160	<1	56	72
1410	30	<1	8	<1	140	<1	8	11
1411	120	<1	15	<1	16	2	80	26
1419	250	<1	19	<1	339	<1	36	23
1420	80	<1	41	<1	183	<1	20	45
1421	90	<1	42	<1	234	<1	22	46
1422	310	<1	161	<1	21	3	171	229
1423	150	<1	58	<1	19	<1	83	110
1424	230	<1	23	<1	315	<1	24	25
1425	160	<1	41	<1	158	<1	30	55
1426	100	<1	6	<1	365	<1	10	7
1427	100	<1	50	<1	268	<1	49	61
1428	80	<1	21	<1	197	<1	15	27
1429	100	<1	58	<1	202	<1	42	76
1430	100	<1	78	<1	211	<1	59	99
1431	200	<1	25	<1	409	<1	30	31
1432	80	<1	36	<1	405	<1	18	39
1433	80	<1	29	<1	511	<1	28	30
1434	90	<1	34	<1	395	<1	43	36
1435	30	<1	85	<1	216	<1	28	105
1436	<10	<1	8	<1	203	<1	17	15
1437	100	<1	15	<1	59	<1	20	27
1438	10	<1	28	<1	135	<1	14	39
1439	80	<1	12	<1	414	<1	20	11
1440	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1477	60	<1	97	<1	209	<1	20	135
1478	30	<1	20	<1	284	<1	11	26

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Element	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	1	1	5	1	5	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1479	40	<1	76	<1	227	<1	34	140
1480	20	<1	39	<1	155	<1	20	58
1197	20	<1	9	<1	43	<1	24	17
1203	<10	<1	<1	<1	7	<1	<5	<1
1214	<10	<1	4	<1	10	<1	8	10
1384	90	<1	23	<1	191	<1	24	25
1385	90	<1	39	<1	181	<1	20	41
1386	30	<1	7	<1	9	<1	12	17
1387	60	<1	84	<1	78	<1	33	103
1388	150	<1	81	<1	151	<1	45	92
1389	40	<1	70	<1	52	<1	27	84
1390	90	<1	36	<1	167	<1	18	39
1391	110	<1	16	<1	235	<1	21	15
1392	20	<1	18	<1	177	<1	9	20
1393	120	<1	14	<1	160	<1	23	18
1394	110	<1	15	<1	164	<1	26	14
1395	60	<1	66	<1	97	1	41	72

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Element	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	10	1	1	10	0.5	3	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1396	<1	2460	<1	<1	10	0.9	57	<0.5
1397	1	11100	<1	2	<10	1.6	60	0.5
1398	<1	4750	<1	2	<10	1.2	84	<0.5
1399	<1	4200	<1	<1	<10	<0.5	48	<0.5
1400	<1	3230	<1	1	<10	0.7	61	<0.5
1401	<1	3080	<1	2	<10	3.6	154	<0.5
1402	<1	5560	<1	6	<10	18.5	20	<0.5
1403	<1	6370	<1	7	<10	4.9	20	<0.5
1404	<1	5930	<1	1	<10	8.6	14	<0.5
1405	<1	6240	<1	4	<10	7.4	16	<0.5
1406	<1	4650	<1	4	<10	9.2	281	<0.5
1407	<1	3300	<1	5	<10	6.6	19	<0.5
1408	<1	3080	<1	3	<10	7.9	33	<0.5
1409	<1	2620	<1	11	<10	12.8	83	<0.5
1410	<1	6640	<1	1	<10	10.8	13	<0.5
1411	<1	1460	<1	7	<10	30.6	586	0.8
1419	<1	1220	<1	5	<10	27.7	596	<0.5
1420	<1	2820	<1	6	<10	11.4	249	<0.5
1421	<1	3390	<1	6	<10	15.2	224	<0.5
1422	<1	6030	<1	37	<10	34.1	439	0.7
1423	<1	2350	<1	21	<10	24.0	378	<0.5
1424	<1	3540	<1	4	<10	14.1	177	0.6
1425	<1	3000	<1	9	<10	8.0	132	<0.5
1426	<1	2490	<1	1	<10	6.2	127	<0.5
1427	<1	2570	<1	8	<10	18.7	1000	0.6
1428	<1	4030	<1	4	<10	8.7	94	<0.5
1429	<1	2340	<1	11	<10	22.9	362	<0.5
1430	<1	2670	<1	14	<10	21.0	1100	0.8
1431	<1	2340	<1	4	<10	14.3	414	0.5
1432	<1	2820	<1	5	<10	16.5	478	<0.5
1433	<1	3820	<1	4	<10	20.2	925	1.3
1434	<1	3280	<1	4	<10	19.3	1110	1.0
1435	<1	3560	<1	13	<10	17.9	75	0.6
1436	<1	4790	<1	2	<10	14.9	225	<0.5
1437	<1	4280	<1	6	<10	3.3	13	<0.5
1438	<1	3640	<1	5	<10	19.0	32	0.6
1439	<1	2970	<1	1	<10	19.4	351	0.9
1440	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1477	<1	4330	<1	19	<10	30.0	22	<0.5
1478	<1	3090	<1	3	<10	5.9	12	<0.5

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SGS

Final : VC143299 Order: DeCoors Mining Corp-Ootsa

Report File No.: 0000009390

Element	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	10	1	1	10	0.5	3	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1479	<1	3010	<1	18	<10	10.3	5	3.5
1480	<1	5130	<1	8	<10	26.7	26	<0.5
1197	<1	1780	<1	3	<10	10.1	14	<0.5
1203	<1	820	<1	<1	<10	<0.5	11	<0.5
1214	<1	1120	<1	2	<10	2.7	39	<0.5
1384	<1	1140	<1	3	<10	13.9	533	<0.5
1385	<1	2760	<1	5	<10	14.0	519	<0.5
1386	<1	9270	<1	5	<10	8.3	<3	<0.5
1387	<1	2880	<1	14	<10	13.0	169	<0.5
1388	<1	930	<1	12	<10	18.0	721	<0.5
1389	<1	3970	<1	11	<10	21.1	86	<0.5
1390	<1	2450	<1	5	<10	9.7	581	<0.5
1391	<1	690	<1	2	<10	16.5	930	<0.5
1392	<1	2610	<1	2	<10	13.5	97	<0.5
1393	<1	1510	<1	3	<10	10.5	275	<0.5
1394	<1	1440	<1	2	<10	12.1	1010	<0.5
1395	<1	2880	<1	9	<10	32.5	1040	<0.5

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SGS

Final : VC143299 Order: DeCoors Mining Corp-Ootsa

Report File No.: 0000009390

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	1	1	1	20	5
Units	ppb	ppb	ppb	ppb	ppb	ppb
1396	4	<1	32	3	100	7
1397	6	<1	62	5	340	6
1398	6	<1	59	6	140	7
1399	2	<1	24	3	40	<5
1400	10	<1	45	6	50	10
1401	65	<1	102	11	40	23
1402	71	<1	197	13	60	20
1403	723	<1	313	28	40	16
1404	108	<1	43	3	90	15
1405	1360	<1	161	15	90	14
1406	34	<1	138	7	230	15
1407	12	<1	177	10	170	12
1408	8	<1	95	6	320	16
1409	14	<1	402	25	310	39
1410	10	<1	35	2	40	11
1411	144	<1	506	117	40	81
1419	25	<1	216	16	360	52
1420	13	<1	181	11	430	27
1421	12	<1	169	10	130	29
1422	654	<1	1490	91	20	70
1423	77	<1	865	79	50	39
1424	7	<1	100	6	60	32
1425	16	<1	351	18	130	19
1426	4	<1	29	2	70	21
1427	12	<1	233	14	120	62
1428	9	<1	99	6	90	20
1429	17	<1	309	18	160	44
1430	15	<1	366	21	130	76
1431	9	<1	141	9	90	49
1432	10	<1	130	7	120	43
1433	7	<1	109	6	60	66
1434	9	<1	127	8	200	71
1435	45	<1	365	24	420	33
1436	84	<1	88	8	140	28
1437	373	<1	348	31	60	15
1438	126	<1	171	11	80	33
1439	9	<1	37	3	60	71
1440	LNR	LNR	LNR	LNR	LNR	LNR
1477	47	<1	547	36	690	46
1478	14	<1	92	6	300	12

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SGS

Final : VC143299 Order: DeCoors Mining Corp-Ootsa

Report File No.: 0000009390

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	1	1	1	20	5
Units	ppb	ppb	ppb	ppb	ppb	ppb
1479	57	<1	446	26	220	29
1480	255	<1	272	18	260	42
1197	20	<1	114	7	280	9
1203	18	<1	1	<1	40	<5
1214	6	<1	57	4	<20	7
1384	10	<1	84	5	130	48
1385	8	<1	138	8	130	48
1386	20	<1	175	14	100	19
1387	19	<1	396	24	190	37
1388	11	<1	333	22	290	78
1389	14	<1	312	19	180	45
1390	8	<1	140	9	160	39
1391	7	<1	60	4	170	69
1392	13	<1	63	3	90	32
1393	10	<1	71	5	140	39
1394	6	<1	58	4	310	55
1395	17	<1	262	18	130	113

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Final : VC151798 Order: DeCoors / Hot Bath Project 1101-1218

Report File No.: 0000012401

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1101 O	13.4	98	<10	0.1	100	<0.5	10	4
1102 O	8.6	173	<10	0.2	2190	<0.5	23	2
1103 O	6.0	190	<10	<0.1	180	<0.5	4	4
1104 O	8.6	140	<10	<0.1	340	<0.5	2	1
1105 O	4.4	130	<10	<0.1	280	<0.5	12	14
1106 O	5.7	180	<10	<0.1	140	<0.5	3	8
1107 O	6.6	145	<10	<0.1	220	<0.5	16	7
1108 O	8.0	185	<10	0.2	440	<0.5	42	5
1109 O	7.9	119	<10	<0.1	210	<0.5	9	3
1110 O	11.4	176	<10	0.1	200	<0.5	14	2
1111 O	9.8	120	<10	<0.1	200	<0.5	8	5
1112 O	32.0	74	<10	3.5	1710	<0.5	491	9
1113 O	11.4	64	<10	0.1	230	<0.5	31	3
1114 O	3.4	242	<10	0.6	340	<0.5	4	5
1115 O	6.8	118	<10	<0.1	180	<0.5	8	2
1116 O	7.2	181	<10	0.2	340	<0.5	3	3
1117 O	7.9	193	<10	0.5	580	1.2	6	1
1119 O	1.8	67	<10	0.4	1690	<0.5	167	5
1120 O	1.6	123	<10	<0.1	400	<0.5	3	5
1121 O	9.2	190	<10	0.2	190	<0.5	2	4
1122 O	5.8	145	<10	0.3	1050	<0.5	7	3
1123 O	6.0	119	<10	0.1	1140	<0.5	100	4
1124 O	4.5	229	<10	<0.1	2580	<0.5	54	5
1125 O	5.5	96	<10	0.3	810	<0.5	24	3
1126 O	4.1	124	<10	0.1	340	<0.5	25	11
1127 O	4.0	125	<10	<0.1	190	<0.5	6	6
1128 O	8.6	129	<10	<0.1	70	<0.5	<2	4
1129 O	6.7	151	<10	<0.1	260	<0.5	2	6
1130 O	4.7	167	<10	<0.1	190	<0.5	4	6
1132 O	5.1	176	<10	<0.1	330	<0.5	4	6
1134 O	8.1	110	<10	0.9	1500	<0.5	137	4
1136 O	42.9	95	<10	0.8	1250	<0.5	140	10
1138 O	36.6	47	<10	0.8	510	<0.5	887	3
1140 O	10.2	174	<10	<0.1	280	<0.5	5	4
1142 O	6.9	152	<10	0.2	580	<0.5	34	8
1144 O	6.5	207	<10	<0.1	180	<0.5	3	4
1146 O	6.9	99	<10	0.6	1320	<0.5	59	2
1148 O	12.6	205	<10	0.2	2000	<0.5	244	4
1150 O	10.1	104	<10	0.2	700	<0.5	197	6
1152 O	3.0	192	<10	<0.1	580	<0.5	25	26

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Final : VC151798 Order: DeCoors / Hot Bath Project 1101-1218

Report File No.: 0000012401

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1154 O	3.6	134	<10	<0.1	270	<0.5	28	11
1156 O	<0.5	131	<10	<0.1	790	<0.5	32	30
1158 O	6.2	183	<10	<0.1	560	<0.5	18	12
1160 O	1.9	183	<10	<0.1	190	<0.5	9	2
1162 O	2.7	144	<10	<0.1	210	<0.5	2	3
1164 O	4.4	151	<10	<0.1	340	<0.5	5	5
1166 O	5.6	201	<10	<0.1	450	<0.5	4	11
1168 O	3.6	203	<10	<0.1	340	<0.5	4	4
1170 O	5.7	226	<10	<0.1	240	<0.5	2	4
1172 O	5.9	187	<10	<0.1	230	<0.5	<2	3
1174 O	3.2	263	<10	0.1	470	<0.5	4	3
1176 O	5.9	206	<10	<0.1	200	<0.5	<2	4
1178 O	11.0	113	<10	<0.1	170	<0.5	<2	4
1180 O	5.7	118	<10	<0.1	190	<0.5	<2	3
1182 O	3.9	121	<10	<0.1	120	<0.5	<2	6
1184 O	2.5	233	<10	<0.1	250	<0.5	44	7
1186 O	3.9	255	<10	<0.1	280	<0.5	2	3
1188 O	5.5	230	<10	0.1	450	<0.5	3	5
1190 O	4.6	131	<10	<0.1	220	<0.5	<2	3
1192 O	9.8	70	<10	<0.1	100	<0.5	13	5
1194 O	10.3	120	<10	0.2	140	<0.5	7	1
1196 O	5.9	86	<10	0.5	230	<0.5	38	2
1197 O	3.9	111	<10	<0.1	140	<0.5	<2	4
1198 O	5.3	164	<10	<0.1	190	<0.5	<2	3
1199 O	3.0	195	<10	0.1	1040	<0.5	119	5
1200 O	<0.5	223	<10	<0.1	1080	<0.5	52	34
1201 O	0.6	126	<10	<0.1	1500	<0.5	392	25
1202 O	12.8	176	<10	0.3	1230	<0.5	444	6
1203 O	5.2	106	<10	<0.1	150	<0.5	5	8
1204 O	4.1	231	<10	<0.1	1260	<0.5	15	9
1205 O	19.2	88	<10	0.6	2720	<0.5	507	8
1206 O	9.2	90	<10	0.2	1420	<0.5	143	10
1207 O	3.4	126	<10	0.1	930	<0.5	49	11
1208 O	2.8	251	<10	<0.1	510	<0.5	6	14
1209 O	3.4	166	<10	<0.1	880	<0.5	20	5
1210 O	4.4	128	<10	<0.1	130	<0.5	2	2
1211 O	2.5	192	<10	<0.1	450	<0.5	11	14
1212 O	2.1	132	<10	<0.1	430	<0.5	9	6
1213 O	7.4	130	<10	<0.1	360	<0.5	25	8
1214 O	6.7	149	<10	0.3	3370	<0.5	141	7

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1215 O	6.8	135	<10	<0.1	150	<0.5	<2	2
1216 O	16.5	146	<10	0.1	160	<0.5	<2	5
1217 O	5.5	118	<10	<0.1	170	<0.5	<2	7
1218 O	9.4	121	<10	<0.1	190	<0.5	2	5

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Final : VC151798 Order: DeCoors / Hot Bath Project 1101-1218

Report File No.: 0000012401

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1101 O	1010	3	<100	12.1	980	193	97.3	27.9
1102 O	386	29	<100	3.8	1190	30.9	12.6	8.1
1103 O	317	15	<100	6.3	290	44.8	22.9	9.5
1104 O	626	7	<100	12.0	320	109	49.9	10.5
1105 O	391	23	<100	14.1	300	107	50.5	10.8
1106 O	51	144	<100	9.7	730	22.9	13.6	2.0
1107 O	290	6	<100	5.7	1210	155	78.2	21.5
1108 O	273	18	<100	7.0	1340	61.6	28.9	10.2
1109 O	472	7	<100	6.3	1080	140	74.1	14.0
1110 O	477	9	<100	10.2	930	127	64.0	15.0
1111 O	497	8	<100	9.7	720	120	63.6	15.0
1112 O	297	3	<100	4.4	2550	209	151	31.0
1113 O	668	9	<100	8.5	660	123	63.1	24.4
1114 O	241	6	<100	7.1	250	54.2	28.1	8.6
1115 O	883	6	<100	8.1	530	127	65.8	22.1
1116 O	380	8	<100	12.2	780	70.2	34.9	11.8
1117 O	337	33	<100	8.0	780	40.5	18.8	9.5
1119 O	69	136	<100	4.4	6870	24.1	15.0	3.9
1120 O	185	11	<100	6.0	1500	161	98.3	15.4
1121 O	378	15	<100	10.1	9630	101	55.6	13.0
1122 O	992	33	<100	4.9	1320	388	226	49.6
1123 O	308	14	<100	5.3	990	43.0	20.6	12.3
1124 O	351	13	<100	5.8	440	112	59.4	28.3
1125 O	388	12	<100	3.6	2600	214	128	28.3
1126 O	165	7	<100	8.3	1650	79.4	41.2	12.2
1127 O	195	4	<100	6.2	580	60.6	28.4	7.3
1128 O	84	7	<100	5.9	100	63.1	36.3	4.9
1129 O	88	63	<100	8.1	610	51.2	30.1	5.0
1130 O	232	6	<100	7.5	160	81.1	46.4	7.7
1132 O	389	8	<100	6.5	660	73.8	37.5	12.7
1134 O	204	20	<100	6.7	1070	38.8	21.4	8.3
1136 O	169	6	<100	9.2	3500	151	112	24.9
1138 O	36	12	<100	1.7	7490	29.8	14.2	9.1
1140 O	141	14	<100	8.8	1130	51.3	26.9	6.3
1142 O	157	93	<100	6.7	1940	54.9	36.2	7.1
1144 O	100	34	<100	6.8	470	25.6	12.8	4.5
1146 O	83	147	<100	4.4	3730	47.7	35.2	5.0
1148 O	491	35	<100	3.9	3140	178	101	37.0
1150 O	141	17	<100	3.7	1130	57.9	33.5	9.9
1152 O	120	41	<100	4.9	1080	67.3	36.5	10.0

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1154 O	138	6	<100	6.3	390	45.2	21.1	6.4
1156 O	50	84	<100	4.4	800	74.1	53.3	5.8
1158 O	161	8	<100	9.7	1170	46.4	21.8	5.8
1160 O	225	13	<100	5.1	230	56.8	26.8	7.8
1162 O	61	8	<100	12.9	120	58.8	35.1	2.7
1164 O	356	7	<100	9.1	390	110	44.6	11.1
1166 O	88	16	<100	5.7	350	20.3	12.7	3.3
1168 O	41	10	<100	7.5	180	20.9	13.4	2.2
1170 O	87	12	<100	5.5	260	22.8	13.3	3.5
1172 O	135	11	<100	9.6	880	33.2	16.5	4.6
1174 O	115	8	<100	8.9	380	15.7	8.3	3.5
1176 O	50	13	<100	7.4	440	23.5	13.0	2.5
1178 O	839	3	<100	17.2	240	217	119	18.2
1180 O	227	12	<100	9.7	380	157	81.7	11.6
1182 O	124	13	<100	10.3	280	101	56.6	6.3
1184 O	253	7	<100	8.7	480	28.9	14.2	6.7
1186 O	109	8	<100	5.4	260	18.1	8.2	3.4
1188 O	367	12	<100	11.4	370	85.7	41.5	9.1
1190 O	302	25	<100	10.9	550	112	58.0	13.3
1192 O	502	3	<100	11.6	650	115	59.2	18.0
1194 O	524	8	<100	10.8	1050	143	67.2	22.1
1196 O	119	14	<100	7.7	410	15.7	7.5	4.7
1197 O	73	29	<100	10.7	740	82.9	47.9	5.0
1198 O	51	4	<100	12.6	740	34.7	18.6	3.3
1199 O	268	12	<100	4.0	620	29.7	15.1	5.4
1200 O	48	273	<100	1.3	1470	16.5	10.5	2.6
1201 O	119	50	<100	0.7	290	214	152	30.1
1202 O	224	23	<100	1.4	3680	110	65.3	26.1
1203 O	195	14	<100	12.9	390	93.8	51.1	8.1
1204 O	72	31	<100	2.9	1140	31.2	15.9	5.2
1205 O	27	32	<100	2.0	5880	20.6	11.9	5.8
1206 O	153	15	<100	3.6	1540	125	80.1	17.5
1207 O	250	27	<100	5.7	1250	161	85.0	21.8
1208 O	45	50	<100	4.7	430	12.4	8.7	2.0
1209 O	272	33	<100	4.0	2390	157	81.8	25.3
1210 O	27	18	<100	4.6	210	35.0	21.5	2.0
1211 O	87	45	<100	5.8	1090	66.0	38.0	8.0
1212 O	149	32	<100	3.3	2640	194	126	21.9
1213 O	131	10	<100	5.8	600	51.8	28.9	7.4
1214 O	429	11	<100	5.1	1950	265	152	42.2

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1215 O	15	6	<100	8.2	70	13.5	11.0	0.8
1216 O	128	6	<100	7.7	150	46.2	23.4	5.3
1217 O	93	6	<100	6.8	130	53.7	28.6	4.9
1218 O	21	4	<100	11.2	150	22.3	13.2	1.3

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Final : VC151798 Order: DeCoors / Hot Bath Project 1101-1218

Report File No.: 0000012401

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1101 O	15	25.8	202	<1	0.3	5.7	407	<1
1102 O	17	9.6	38.2	<1	0.1	3.2	190	<1
1103 O	31	13.5	47.7	<1	0.2	3.1	127	<1
1104 O	38	17.0	86.0	<1	0.4	2.9	249	<1
1105 O	29	13.2	78.0	<1	0.3	4.9	150	<1
1106 O	42	5.0	14.7	<1	<0.1	7.0	20	<1
1107 O	19	8.4	121	<1	0.2	1.9	127	<1
1108 O	40	15.1	60.5	<1	0.2	2.8	122	<1
1109 O	16	10.2	103	<1	0.3	2.8	176	<1
1110 O	33	18.1	102	<1	0.3	3.4	182	<1
1111 O	21	14.9	118	<1	0.2	3.5	196	<1
1112 O	7	1.3	181	<1	<0.1	13.5	147	<1
1113 O	14	9.7	155	<1	0.1	4.4	338	<1
1114 O	20	7.5	44.4	<1	0.2	2.8	92	<1
1115 O	18	17.5	136	<1	0.2	2.8	343	<1
1116 O	29	8.3	68.8	<1	0.2	3.7	147	<1
1117 O	100	16.3	49.3	<1	0.2	7.1	135	2
1119 O	59	2.5	16.7	<1	<0.1	8.5	42	<1
1120 O	13	5.2	95.6	<1	0.3	3.5	65	<1
1121 O	37	14.2	83.0	<1	0.2	5.0	147	<1
1122 O	13	4.3	294	<1	0.1	1.6	443	<1
1123 O	23	8.6	54.4	<1	<0.1	6.6	170	<1
1124 O	27	4.2	124	<1	0.1	3.0	242	<1
1125 O	15	4.7	150	<1	0.2	2.3	213	<1
1126 O	19	5.6	65.8	<1	0.1	7.4	89	<1
1127 O	18	7.9	50.2	<1	0.2	2.9	71	<1
1128 O	16	15.7	38.2	<1	0.4	3.4	27	<1
1129 O	31	8.3	32.9	<1	0.1	6.0	39	<1
1130 O	21	12.5	59.2	<1	0.4	6.0	71	<1
1132 O	19	9.4	69.0	<1	0.1	3.2	138	<1
1134 O	29	7.6	40.3	<1	<0.1	15.6	97	3
1136 O	16	3.7	116	<1	<0.1	6.1	168	1
1138 O	11	0.6	35.8	<1	<0.1	8.0	17	<1
1140 O	27	5.5	37.0	<1	0.2	4.1	55	<1
1142 O	39	5.5	36.4	<1	<0.1	4.3	69	<1
1144 O	43	7.0	21.3	<1	0.2	2.4	36	<1
1146 O	81	4.0	27.5	<1	<0.1	3.9	39	<1
1148 O	33	6.0	164	<1	<0.1	11.8	322	3
1150 O	22	4.5	49.6	<1	<0.1	6.5	76	<1
1152 O	41	11.3	49.3	<1	0.2	15.0	60	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1154 O	29	11.4	34.6	<1	0.2	4.8	57	<1
1156 O	28	7.5	38.1	<1	0.3	12.6	19	<1
1158 O	30	8.3	33.2	<1	0.2	4.7	62	<1
1160 O	21	12.4	49.0	<1	0.2	4.5	81	<1
1162 O	33	9.0	29.8	<1	0.5	11.0	18	<1
1164 O	29	14.3	74.1	<1	0.4	4.8	131	<1
1166 O	46	12.1	17.1	<1	0.2	2.8	31	<1
1168 O	47	22.5	11.9	<1	0.3	5.1	15	<1
1170 O	38	12.8	16.6	<1	0.1	4.2	38	<1
1172 O	29	10.2	26.6	<1	0.3	2.4	59	<1
1174 O	27	6.0	17.6	<1	0.2	3.5	48	<1
1176 O	30	12.5	13.8	<1	0.2	3.2	22	<1
1178 O	21	26.7	164	<1	0.3	3.4	344	<1
1180 O	24	16.4	90.7	<1	0.3	3.1	69	<1
1182 O	14	10.6	59.2	<1	0.3	3.9	32	<1
1184 O	27	9.4	24.6	<1	0.1	8.8	95	<1
1186 O	20	3.6	15.9	<1	0.1	2.2	42	<1
1188 O	31	16.6	70.1	<1	0.4	5.4	135	<1
1190 O	22	14.1	84.9	<1	0.2	4.5	107	<1
1192 O	13	19.3	108	<1	0.1	5.0	206	<1
1194 O	29	22.7	131	<1	0.2	5.5	175	<1
1196 O	40	7.8	20.1	<1	<0.1	11.7	59	<1
1197 O	22	4.0	40.3	<1	<0.1	2.4	24	<1
1198 O	23	2.9	20.1	<1	0.1	4.2	19	<1
1199 O	25	7.6	31.3	<1	<0.1	9.3	246	<1
1200 O	67	14.7	11.3	<1	<0.1	28.9	18	2
1201 O	61	4.7	158	<1	<0.1	15.0	247	<1
1202 O	23	1.1	101	<1	<0.1	10.0	143	<1
1203 O	24	13.9	58.3	<1	0.4	6.9	58	<1
1204 O	45	6.7	23.0	<1	0.1	8.0	34	<1
1205 O	15	4.2	24.7	<1	<0.1	13.9	24	3
1206 O	16	2.9	90.8	<1	<0.1	3.6	119	<1
1207 O	21	6.4	106	<1	0.1	13.6	153	<1
1208 O	68	9.0	9.7	<1	0.2	3.6	23	<1
1209 O	18	3.4	125	<1	0.2	4.0	90	<1
1210 O	52	12.2	14.7	<1	0.3	1.6	11	<1
1211 O	29	6.7	37.7	<1	0.2	7.6	36	<1
1212 O	20	8.6	124	<1	0.3	1.7	85	<1
1213 O	27	8.9	43.1	<1	0.3	2.1	78	<1
1214 O	18	2.2	196	<1	<0.1	13.0	369	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1215 O	36	7.9	5.0	<1	0.4	3.8	7	<1
1216 O	11	11.0	33.3	<1	0.2	2.8	40	<1
1217 O	12	10.8	33.6	<1	0.3	2.8	34	<1
1218 O	31	5.3	8.0	<1	0.3	3.8	8	<1

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Final : VC151798 Order: DeCoors / Hot Bath Project 1101-1218

Report File No.: 0000012401

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1101 O	<0.5	400	7	4.4	792	12	0.5	85
1102 O	1.1	700	<2	3.6	172	15	4.8	24
1103 O	<0.5	3600	3	10.9	208	22	1.2	83
1104 O	<0.5	800	3	8.2	386	22	0.3	125
1105 O	0.8	500	<2	11.3	301	57	0.7	227
1106 O	<0.5	8800	7	4.4	32	52	1.6	62
1107 O	1.2	400	<2	4.3	375	47	0.6	52
1108 O	1.0	1100	6	20.4	207	37	2.0	73
1109 O	<0.5	700	<2	4.5	385	35	0.5	71
1110 O	<0.5	800	8	16.9	380	18	1.3	85
1111 O	<0.5	1500	2	3.1	365	35	0.5	55
1112 O	35.6	900	25	<0.5	281	74	<0.1	7
1113 O	1.1	700	12	5.4	620	14	0.6	41
1114 O	<0.5	800	2	6.4	157	38	1.8	36
1115 O	<0.5	400	3	4.7	614	19	0.5	56
1116 O	<0.5	400	6	5.5	271	24	0.8	52
1117 O	1.9	2400	26	13.5	207	20	16.8	23
1119 O	6.6	37100	13	0.5	54	37	0.5	11
1120 O	<0.5	300	3	3.9	216	22	1.2	170
1121 O	<0.5	800	9	17.5	279	31	2.4	78
1122 O	0.9	2300	3	2.4	1040	18	0.6	98
1123 O	1.4	1800	16	11.0	227	20	2.5	37
1124 O	2.7	1400	5	3.6	388	40	2.9	56
1125 O	1.4	300	5	2.5	478	27	0.5	77
1126 O	1.2	400	5	2.1	207	53	0.7	39
1127 O	<0.5	200	<2	4.3	157	36	0.6	84
1128 O	<0.5	100	<2	6.4	88	31	0.5	119
1129 O	0.5	9700	3	9.0	84	54	0.5	61
1130 O	1.0	1000	<2	10.1	169	44	1.4	76
1132 O	<0.5	1200	<2	4.9	244	33	1.1	46
1134 O	5.7	3200	11	12.5	148	21	1.3	28
1136 O	5.3	1200	5	1.6	265	38	0.6	22
1138 O	14.1	1800	3	<0.5	61	76	<0.1	<5
1140 O	0.6	300	<2	5.1	108	47	0.8	82
1142 O	3.6	24000	6	8.2	105	41	0.9	18
1144 O	<0.5	2900	3	5.3	61	38	2.3	40
1146 O	4.7	15200	13	4.2	66	50	0.9	12
1148 O	11.0	4300	9	2.5	474	80	1.0	24
1150 O	5.1	1800	26	3.8	126	33	0.7	21
1152 O	4.9	3900	5	6.7	147	185	2.8	47

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Final : VC151798 Order: DeCoors / Hot Bath Project 1101-1218

Report File No.: 0000012401

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1154 O	2.0	300	2	7.9	119	57	0.8	59
1156 O	4.9	6200	4	5.6	65	86	1.3	51
1158 O	1.2	400	<2	4.8	119	33	0.7	47
1160 O	1.0	200	2	7.1	151	68	1.5	106
1162 O	0.8	200	<2	6.1	51	33	0.7	227
1164 O	1.2	200	<2	7.2	260	105	0.6	123
1166 O	<0.5	200	<2	3.5	53	50	1.8	38
1168 O	1.2	300	<2	8.2	29	69	4.0	80
1170 O	0.6	500	3	3.2	55	30	4.6	66
1172 O	<0.5	200	2	6.1	101	40	1.2	112
1174 O	0.6	1000	3	2.7	62	29	3.9	89
1176 O	<0.5	200	<2	5.2	35	52	2.3	80
1178 O	<0.5	100	3	2.9	667	12	<0.1	122
1180 O	<0.5	<100	<2	3.3	246	49	0.4	72
1182 O	<0.5	400	<2	2.5	116	49	0.4	98
1184 O	2.7	2200	2	2.5	105	23	5.0	59
1186 O	<0.5	500	<2	2.3	61	31	1.9	39
1188 O	<0.5	800	3	12.8	231	60	1.9	89
1190 O	<0.5	3000	<2	3.4	266	58	0.6	45
1192 O	0.8	200	3	0.8	415	20	0.2	44
1194 O	<0.5	700	8	8.4	509	18	2.1	61
1196 O	1.5	2000	33	3.0	88	13	7.0	35
1197 O	<0.5	2000	2	3.1	69	30	0.8	61
1198 O	<0.5	<100	3	1.1	39	22	0.6	82
1199 O	9.0	2800	2	4.1	138	37	1.9	16
1200 O	14.8	4200	2	1.2	26	70	4.6	56
1201 O	22.3	4600	<2	<0.5	367	56	0.8	36
1202 O	13.7	4000	<2	<0.5	237	57	0.6	10
1203 O	0.7	1100	<2	3.1	167	86	0.5	93
1204 O	2.3	1000	4	2.5	61	42	3.9	43
1205 O	12.1	2800	24	0.8	55	73	0.7	9
1206 O	8.9	1100	4	1.4	225	62	0.5	35
1207 O	3.2	1700	7	3.9	324	81	0.8	47
1208 O	1.1	200	3	3.7	32	65	3.0	30
1209 O	2.5	500	<2	1.1	320	32	1.5	43
1210 O	<0.5	<100	<2	13.8	25	54	0.5	43
1211 O	1.8	1200	3	7.5	108	68	1.7	47
1212 O	0.8	2700	5	6.0	278	46	1.2	50
1213 O	1.3	400	<2	3.2	131	86	0.5	30
1214 O	8.8	1100	8	1.0	610	56	0.5	67

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1215 O	<0.5	100	<2	3.5	10	25	0.3	79
1216 O	<0.5	200	<2	2.6	101	33	0.5	78
1217 O	<0.5	300	<2	3.2	93	41	0.4	114
1218 O	<0.5	<100	2	4.0	16	19	0.6	53

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1101 O	<1	189	0.1	186	<0.5	43	184	<1
1102 O	<1	52.2	0.2	45	<0.5	23	41	<1
1103 O	<1	48.2	0.1	80	<0.5	32	47	<1
1104 O	<1	94.4	0.1	85	<0.5	12	78	<1
1105 O	<1	71.5	<0.1	102	<0.5	8	66	<1
1106 O	<1	7.7	<0.1	194	<0.5	14	10	<1
1107 O	<1	79.9	<0.1	72	<0.5	26	92	<1
1108 O	<1	49.4	<0.1	78	<0.5	16	53	1
1109 O	<1	81.2	<0.1	98	<0.5	29	86	<1
1110 O	1	81.2	0.1	125	<0.5	42	92	<1
1111 O	<1	91.7	0.1	140	<0.5	25	94	<1
1112 O	1	56.1	<0.1	101	<0.5	53	101	<1
1113 O	<1	145	<0.1	122	<0.5	60	148	<1
1114 O	<1	37.6	<0.1	161	<0.5	34	40	<1
1115 O	<1	147	<0.1	93	<0.5	40	137	<1
1116 O	<1	64.3	<0.1	127	<0.5	25	63	<1
1117 O	<1	52.5	0.2	99	0.6	45	52	<1
1119 O	<1	13.6	<0.1	71	<0.5	29	14	<1
1120 O	<1	49.2	<0.1	75	<0.5	45	62	<1
1121 O	<1	65.3	0.1	88	<0.5	28	68	<1
1122 O	<1	239	<0.1	37	<0.5	83	232	<1
1123 O	<1	57.0	0.1	165	<0.5	38	54	<1
1124 O	<1	92.8	<0.1	120	<0.5	49	104	<1
1125 O	<1	106	<0.1	50	<0.5	48	112	<1
1126 O	<1	43.1	<0.1	113	<0.5	16	51	<1
1127 O	<1	37.0	<0.1	83	<0.5	14	39	<1
1128 O	<1	18.0	<0.1	83	<0.5	21	25	<1
1129 O	<1	16.9	<0.1	84	<0.5	23	24	<1
1130 O	<1	38.8	<0.1	92	<0.5	26	45	<1
1132 O	<1	57.9	<0.1	88	<0.5	33	58	<1
1134 O	<1	30.7	<0.1	135	<0.5	44	35	<1
1136 O	<1	58.4	<0.1	117	<0.5	84	81	<1
1138 O	1	9.9	<0.1	34	<0.5	19	23	<1
1140 O	<1	25.0	<0.1	95	<0.5	18	28	<1
1142 O	<1	24.8	0.1	66	<0.5	43	29	<1
1144 O	<1	15.0	<0.1	90	<0.5	21	17	<1
1146 O	<1	16.0	<0.1	67	<0.5	40	20	<1
1148 O	<1	109	<0.1	99	<0.5	94	129	<1
1150 O	<1	27.2	<0.1	62	<0.5	37	36	<1
1152 O	<1	28.8	<0.1	120	<0.5	29	39	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1154 O	<1	25.2	<0.1	92	<0.5	14	29	<1
1156 O	<1	12.2	<0.1	86	<0.5	25	24	<1
1158 O	<1	24.7	<0.1	115	<0.5	16	28	<1
1160 O	<1	38.0	0.1	77	<0.5	20	40	<1
1162 O	<1	10.5	<0.1	100	<0.5	9	19	<1
1164 O	<1	59.9	<0.1	80	<0.5	14	61	<1
1166 O	<1	12.8	<0.1	72	<0.5	15	14	<1
1168 O	<1	6.7	<0.1	92	<0.5	22	8	<1
1170 O	<1	13.0	<0.1	101	<0.5	19	14	<1
1172 O	<1	23.1	<0.1	101	<0.5	19	23	<1
1174 O	<1	16.5	<0.1	113	<0.5	19	16	<1
1176 O	<1	8.0	0.1	81	<0.5	18	10	<1
1178 O	<1	146	0.2	104	<0.5	18	145	<1
1180 O	<1	49.8	<0.1	94	<0.5	32	66	<1
1182 O	<1	23.7	<0.1	104	<0.5	23	40	<1
1184 O	<1	28.2	<0.1	76	<0.5	33	24	<1
1186 O	<1	14.1	<0.1	57	<0.5	18	15	<1
1188 O	<1	53.9	0.3	112	<0.5	20	62	<1
1190 O	<1	56.2	0.1	126	<0.5	34	66	<1
1192 O	<1	90.9	<0.1	190	<0.5	45	100	<1
1194 O	<1	110	0.2	174	<0.5	60	120	<1
1196 O	<1	22.7	<0.1	95	<0.5	19	22	<1
1197 O	<1	13.4	<0.1	128	<0.5	14	24	<1
1198 O	<1	8.8	<0.1	101	<0.5	15	13	<1
1199 O	<1	39.5	<0.1	65	<0.5	40	30	<1
1200 O	<1	5.9	<0.1	131	<0.5	30	8	<1
1201 O	<1	86.2	<0.1	110	<0.5	35	109	<1
1202 O	<1	49.0	<0.1	50	<0.5	98	71	<1
1203 O	<1	36.3	<0.1	130	<0.5	22	46	<1
1204 O	1	13.8	<0.1	63	<0.5	29	18	<1
1205 O	<1	10.8	<0.1	100	<0.5	18	18	<1
1206 O	<1	45.9	<0.1	69	<0.5	39	66	<1
1207 O	<1	69.4	<0.1	88	<0.5	45	81	<1
1208 O	<1	7.0	<0.1	61	<0.5	14	8	<1
1209 O	<1	65.9	<0.1	42	<0.5	36	92	<1
1210 O	<1	4.7	<0.1	35	<0.5	14	8	<1
1211 O	<1	20.9	<0.1	82	<0.5	33	28	<1
1212 O	<1	61.0	<0.1	35	<0.5	53	83	<1
1213 O	<1	32.2	<0.1	71	<0.5	13	31	<1
1214 O	<1	134	<0.1	95	<0.5	65	151	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1215 O	<1	2.2	<0.1	78	<0.5	10	3	<1
1216 O	<1	21.4	<0.1	75	<0.5	26	27	<1
1217 O	<1	19.8	<0.1	72	<0.5	23	25	<1
1218 O	<1	3.5	<0.1	91	<0.5	11	5	<1

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1101 O	<10	<1	30.2	<10	29.1	160	0.2	52.6
1102 O	350	<1	5.0	<10	62.0	450	0.4	33.8
1103 O	<10	<1	7.2	<10	25.8	930	0.1	25.9
1104 O	10	<1	16.0	<10	24.5	80	0.4	23.9
1105 O	140	<1	15.0	<10	12.7	160	0.4	19.5
1106 O	<10	<1	2.7	<10	24.2	330	0.2	25.9
1107 O	140	<1	21.7	<10	7.2	210	0.2	24.0
1108 O	260	<1	9.1	<10	20.4	780	0.3	23.3
1109 O	70	<1	20.9	<10	12.2	170	0.2	35.0
1110 O	20	<1	19.1	<10	38.2	540	0.4	60.3
1111 O	<10	<1	18.2	<10	22.1	160	0.2	47.9
1112 O	1920	<1	26.2	<10	6.3	30	0.2	628
1113 O	20	<1	20.6	<10	19.0	380	0.2	68.5
1114 O	<10	<1	8.1	<10	15.8	610	0.1	26.4
1115 O	<10	<1	21.1	<10	21.4	300	0.3	35.2
1116 O	<10	<1	10.5	<10	19.2	400	0.5	83.8
1117 O	30	<1	6.8	<10	161	1210	0.8	98.2
1119 O	1440	<1	3.3	<10	11.0	100	0.8	258
1120 O	20	<1	19.1	<10	9.5	200	0.4	89.6
1121 O	<10	<1	14.5	<10	34.5	480	0.4	116
1122 O	120	<1	52.1	<10	20.6	190	0.3	484
1123 O	320	<1	7.3	<10	51.4	680	0.3	134
1124 O	660	<1	17.5	<10	53.8	460	0.4	80.0
1125 O	200	<1	28.3	<10	10.8	230	0.2	526
1126 O	100	<1	11.9	<10	7.0	160	0.3	151
1127 O	<10	<1	8.9	<10	7.8	180	0.2	25.5
1128 O	<10	<1	8.1	<10	7.6	170	0.1	15.6
1129 O	20	<1	6.6	<10	13.3	310	0.2	31.6
1130 O	<10	<1	11.5	<10	12.6	350	0.3	17.1
1132 O	<10	<1	11.3	<10	18.1	380	0.1	22.8
1134 O	870	<1	6.0	<10	19.2	1200	0.2	75.0
1136 O	850	<1	20.2	<10	17.5	250	0.2	1030
1138 O	3340	<1	4.7	<10	4.8	30	<0.1	35.8
1140 O	50	<1	7.1	<10	6.1	270	0.2	18.4
1142 O	350	<1	7.1	<10	23.9	530	0.4	97.4
1144 O	20	<1	3.7	<10	17.3	460	0.1	26.4
1146 O	660	<1	5.1	<10	16.8	360	0.5	692
1148 O	2630	<1	26.1	<10	25.0	380	0.2	456
1150 O	970	<1	7.8	<10	12.6	360	0.1	232
1152 O	240	<1	9.6	<10	16.4	520	0.2	144

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1154 O	200	<1	6.6	<10	5.4	340	<0.1	26.5
1156 O	240	<1	8.6	<10	10.6	420	0.3	144
1158 O	110	<1	6.7	<10	9.6	220	0.3	24.2
1160 O	50	<1	8.1	<10	20.0	230	0.3	21.3
1162 O	<10	<1	7.4	<10	10.8	90	0.3	17.2
1164 O	30	<1	14.3	<10	16.3	120	0.4	28.4
1166 O	30	<1	2.7	<10	13.5	350	0.2	17.2
1168 O	40	<1	2.5	<10	13.9	600	0.2	17.3
1170 O	10	<1	3.1	<10	21.7	530	0.3	20.1
1172 O	<10	<1	4.8	<10	21.2	350	0.4	41.2
1174 O	20	<1	2.4	<10	47.1	670	0.1	22.6
1176 O	<10	<1	2.9	<10	12.4	390	0.3	14.6
1178 O	<10	<1	31.2	<10	23.5	60	0.9	45.7
1180 O	<10	<1	21.1	<10	10.3	110	0.6	23.5
1182 O	<10	<1	13.5	<10	7.9	90	0.5	20.4
1184 O	110	<1	4.1	<10	43.4	510	<0.1	35.0
1186 O	<10	<1	2.7	<10	15.6	400	0.2	13.1
1188 O	<10	<1	12.7	<10	30.0	500	0.4	28.2
1190 O	<10	<1	15.5	<10	15.7	240	0.4	24.5
1192 O	<10	<1	17.7	<10	13.8	90	0.3	24.1
1194 O	<10	<1	20.8	<10	48.8	570	0.3	53.9
1196 O	110	<1	2.7	<10	119	550	0.3	79.3
1197 O	<10	<1	9.5	<10	10.5	130	0.3	170
1198 O	<10	<1	4.1	<10	10.5	80	0.4	51.5
1199 O	560	<1	5.0	<10	26.4	1200	0.2	17.4
1200 O	760	<1	2.0	<10	16.0	450	<0.1	15.7
1201 O	1860	<1	27.2	<10	59.7	70	0.1	673
1202 O	4050	<1	15.5	<10	9.4	40	0.1	24.8
1203 O	<10	<1	12.5	<10	9.8	130	0.2	34.8
1204 O	500	<1	4.3	<10	8.3	290	0.2	98.1
1205 O	4330	<1	3.3	<10	7.3	290	0.2	1260
1206 O	1130	<1	17.0	<10	8.5	170	<0.1	1210
1207 O	460	<1	21.5	<10	12.5	310	0.5	613
1208 O	100	<1	1.8	<10	6.4	350	<0.1	35.9
1209 O	260	<1	22.8	<10	6.7	130	0.3	132
1210 O	<10	<1	3.8	<10	4.4	390	<0.1	13.8
1211 O	120	<1	8.6	<10	9.4	390	0.2	71.7
1212 O	130	<1	23.5	<10	6.7	360	0.2	183
1213 O	180	<1	6.9	<10	5.0	260	<0.1	45.2
1214 O	1410	<1	37.1	<10	29.6	160	0.5	3290

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1215 O	<10	<1	1.3	<10	3.8	110	<0.1	26.2
1216 O	<10	<1	6.9	<10	7.5	180	0.2	21.3
1217 O	<10	<1	7.0	<10	6.1	130	0.2	16.7
1218 O	<10	<1	2.4	<10	4.2	160	0.3	46.4

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1101 O	0.8	1040	79.3	100	630
1102 O	<0.5	105	10.8	40	648
1103 O	<0.5	241	17.8	50	292
1104 O	<0.5	506	36.4	30	672
1105 O	<0.5	517	34.5	40	283
1106 O	<0.5	95	10.8	50	262
1107 O	<0.5	822	55.7	20	98
1108 O	<0.5	272	20.8	50	341
1109 O	<0.5	812	51.7	70	228
1110 O	<0.5	671	49.0	60	879
1111 O	<0.5	644	49.7	130	359
1112 O	0.5	1570	127	200	47
1113 O	<0.5	686	51.0	160	350
1114 O	<0.5	249	23.0	70	288
1115 O	<0.5	632	48.7	110	449
1116 O	<0.5	332	28.3	70	361
1117 O	1.0	150	16.3	100	753
1119 O	<0.5	144	13.2	20	67
1120 O	<0.5	844	84.2	30	126
1121 O	<0.5	493	44.7	150	582
1122 O	1.0	2760	178	40	147
1123 O	<0.5	200	15.9	80	587
1124 O	<0.5	639	46.6	80	221
1125 O	<0.5	1500	101	20	86
1126 O	<0.5	470	27.4	70	104
1127 O	<0.5	267	20.5	80	180
1128 O	<0.5	322	30.4	30	253
1129 O	<0.5	271	22.6	200	299
1130 O	<0.5	426	34.5	160	340
1132 O	<0.5	350	28.3	240	313
1134 O	0.7	217	16.5	170	280
1136 O	<0.5	1190	94.8	940	172
1138 O	<0.5	161	10.5	80	19
1140 O	<0.5	269	19.5	60	170
1142 O	<0.5	303	28.4	200	329
1144 O	<0.5	109	10.0	30	115
1146 O	<0.5	297	30.9	70	120
1148 O	0.6	1200	80.0	140	119
1150 O	<0.5	332	25.8	150	162
1152 O	<0.5	399	28.4	1330	207

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Final : VC151798 Order: DeCoors / Hot Bath Project 1101-1218

Report File No.: 0000012401

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1154 O	<0.5	206	14.0	160	130
1156 O	<0.5	399	43.8	930	147
1158 O	<0.5	242	14.2	170	208
1160 O	<0.5	245	20.1	70	352
1162 O	<0.5	257	24.2	40	287
1164 O	<0.5	407	32.0	30	329
1166 O	<0.5	104	10.9	60	90
1168 O	<0.5	89	11.6	100	212
1170 O	<0.5	111	10.8	40	77
1172 O	<0.5	158	12.9	20	258
1174 O	<0.5	66	7.3	40	176
1176 O	<0.5	95	10.4	60	200
1178 O	<0.5	1300	88.4	70	567
1180 O	<0.5	792	64.2	60	331
1182 O	<0.5	504	44.1	320	289
1184 O	<0.5	118	14.5	80	121
1186 O	<0.5	69	6.1	40	149
1188 O	<0.5	373	30.6	180	944
1190 O	<0.5	529	45.3	60	421
1192 O	<0.5	578	43.2	120	262
1194 O	<0.5	593	59.8	90	726
1196 O	0.7	59	6.9	100	292
1197 O	<0.5	383	36.6	90	197
1198 O	<0.5	149	15.5	10	158
1199 O	<0.5	156	11.6	150	422
1200 O	<0.5	81	9.4	1440	30
1201 O	0.6	1330	143	240	39
1202 O	<0.5	742	54.3	90	47
1203 O	<0.5	447	38.4	260	271
1204 O	<0.5	138	12.5	230	101
1205 O	<0.5	126	9.9	400	66
1206 O	<0.5	957	56.1	240	115
1207 O	<0.5	1010	63.0	130	180
1208 O	<0.5	68	6.3	350	90
1209 O	<0.5	834	56.2	20	62
1210 O	<0.5	169	17.3	50	198
1211 O	<0.5	366	28.6	460	127
1212 O	0.7	1270	107	70	100
1213 O	<0.5	302	21.2	150	129
1214 O	<0.5	2180	115	50	152

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1215 O	<0.5	61	9.1	40	141
1216 O	<0.5	221	17.8	50	258
1217 O	<0.5	237	22.5	120	201
1218 O	<0.5	87	10.3	40	161

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SGS

Certificate of Analysis
Work Order : VC151801
[Report File No.: 0000012322]

Date: August 17, 2015

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

P.O. No.: DeCoors / Hot Bath Project 1219-1314
Project No.: -
Samples: 84
Received: Jul 24, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:
L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Member of the SGS Group (Société Générale de Surveillance)

SGS

Final : VC151801 Order: DeCoors / Hot Bath Project 1219-1314

Report File No.: 0000012322

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1219 O	5.6	136	<10	<0.1	240	<0.5	15	5
1220 O	8.8	158	<10	<0.1	410	<0.5	62	6
1221 O	6.5	112	<10	0.4	1450	<0.5	196	6
1222 O	9.4	104	<10	0.3	2010	<0.5	154	12
1223 O	5.1	100	<10	<0.1	500	<0.5	201	8
1224 O	4.5	223	<10	<0.1	1250	<0.5	22	6
1225 O	15.5	152	<10	0.3	2170	<0.5	234	8
1226 O	37.3	65	<10	1.4	1110	<0.5	947	17
1227 O	13.4	142	<10	0.2	1410	<0.5	241	4
1228 O	8.5	178	<10	<0.1	440	<0.5	<2	6
1229 O	10.2	142	<10	<0.1	140	<0.5	<2	4
1230 O	9.8	215	<10	<0.1	570	<0.5	3	4
1231 O	10.5	179	<10	<0.1	220	<0.5	<2	6
1232 O	11.6	120	<10	<0.1	210	<0.5	<2	7
1233 O	7.3	109	<10	<0.1	110	<0.5	<2	5
1234 O	10.7	175	<10	<0.1	450	<0.5	2	4
1235 O	8.6	132	<10	<0.1	160	<0.5	<2	4
1236 O	13.2	229	10	<0.1	260	<0.5	<2	7
1237 O	9.0	164	<10	<0.1	240	<0.5	<2	5
1238 O	4.6	150	<10	<0.1	390	<0.5	2	3
1239 LG	2.7	95	<10	0.2	1470	<0.5	43	3
1239 O	5.2	132	<10	<0.1	190	<0.5	<2	6
1240 LG	9.2	128	<10	0.1	420	<0.5	5	5
1240 O	2.9	237	<10	<0.1	630	<0.5	6	5
1241 O	5.1	214	<10	<0.1	400	<0.5	20	10
1242 O	2.3	116	<10	<0.1	280	<0.5	72	10
1243 O	2.8	124	<10	<0.1	460	<0.5	209	21
1244 O	3.4	224	<10	<0.1	530	<0.5	7	14
1245 O	7.1	193	<10	<0.1	320	<0.5	3	18
1246 O	7.2	172	<10	<0.1	590	<0.5	2	5
1247 O	9.0	134	<10	<0.1	230	<0.5	3	5
1248 O	6.9	147	<10	<0.1	130	<0.5	<2	5
1249 O	9.7	98	<10	<0.1	180	<0.5	<2	5
1250 O	29.6	105	<10	<0.1	180	<0.5	<2	5
1251 O	7.4	110	<10	<0.1	100	<0.5	<2	4
1252 O	3.0	157	<10	<0.1	130	<0.5	<2	2
1253 O	11.6	152	<10	0.5	1390	<0.5	209	4
1256 O	12.4	86	<10	0.6	2580	<0.5	516	3
1257 O	2.8	186	<10	<0.1	1230	<0.5	65	4
1258 O	<0.5	180	<10	<0.1	1020	<0.5	32	9

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Final : VC151801 Order: DeCoors / Hot Bath Project 1219-1314

Report File No.: 0000012322

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1259 O	3.0	316	<10	<0.1	1820	<0.5	41	10
1260 O	1.8	258	<10	<0.1	870	<0.5	38	12
1261 O	12.6	147	<10	<0.1	290	<0.5	<2	7
1262 O	6.2	113	<10	<0.1	110	<0.5	<2	3
1263 O	8.2	85	<10	<0.1	170	<0.5	<2	4
1264 O	4.3	134	<10	<0.1	180	<0.5	<2	1
1265 O	7.0	123	<10	<0.1	110	<0.5	<2	3
1266 O	1.4	133	<10	<0.1	180	<0.5	<2	7
1279 LG	9.9	164	<10	0.4	1070	<0.5	30	4
1280 LG	9.6	170	<10	0.2	620	<0.5	31	4
1281	7.2	270	<10	0.1	3170	<0.5	9	8
1282	3.3	226	<10	<0.1	3520	<0.5	10	8
1283	2.6	223	<10	<0.1	2720	<0.5	42	15
1284	3.5	282	<10	<0.1	1980	<0.5	9	8
1285	3.1	241	<10	<0.1	3680	<0.5	30	4
1286	2.6	250	<10	<0.1	890	<0.5	19	2
1287	3.9	258	<10	<0.1	600	<0.5	19	7
1288	2.3	307	<10	<0.1	1020	<0.5	<2	10
1289	3.6	232	<10	<0.1	3530	<0.5	21	2
1290	1.7	232	<10	<0.1	1150	<0.5	3	3
1291	2.0	258	<10	<0.1	3910	<0.5	34	4
1292	2.3	177	<10	<0.1	730	<0.5	8	16
1293	4.6	224	<10	<0.1	1310	<0.5	10	5
1294	2.3	291	<10	<0.1	3340	<0.5	18	7
1295	4.5	249	<10	<0.1	4940	<0.5	8	4
1296	3.3	274	<10	<0.1	7050	<0.5	14	5
1297	2.5	228	<10	<0.1	3140	<0.5	23	4
1298	5.3	201	<10	<0.1	2520	<0.5	108	3
1299	30.1	152	<10	0.8	3950	<0.5	1260	7
1300	3.0	168	<10	<0.1	1570	<0.5	200	5
1301	8.7	174	<10	0.1	3780	<0.5	327	4
1302	7.1	173	<10	<0.1	1180	<0.5	145	2
1303	4.7	237	<10	<0.1	2780	<0.5	87	7
1304	16.1	251	<10	0.4	3620	<0.5	163	3
1305	2.1	235	<10	<0.1	1740	<0.5	169	6
1306	7.1	90	<10	0.1	1440	<0.5	1160	3
1307	4.2	96	<10	0.1	2130	<0.5	793	2
1308	5.2	167	<10	0.5	3910	<0.5	449	4
1309	3.2	227	<10	<0.1	3900	<0.5	118	4
1310	13.3	145	<10	0.2	3760	<0.5	162	3

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1311	8.2	224	<10	0.1	3760	<0.5	14	6
1312	16.9	158	<10	0.2	4980	<0.5	65	3
1313	17.8	137	<10	0.2	3640	<0.5	127	8
1314	26.7	117	<10	0.3	3130	<0.5	83	9

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Final : VC151801 Order: DeCoors / Hot Bath Project 1219-1314

Report File No.: 0000012322

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1219 O	7	16	<100	6.7	100	6.4	6.4	0.2
1220 O	78	4	<100	3.3	570	19.5	8.6	3.3
1221 O	220	10	<100	1.5	3340	189	120	27.3
1222 O	242	24	<100	1.9	2300	121	72.4	19.2
1223 O	65	14	<100	2.0	800	19.0	10.0	3.7
1224 O	363	8	<100	5.5	1050	169	102	25.5
1225 O	228	16	<100	1.5	2360	104	58.0	20.1
1226 O	75	143	<100	0.6	8450	22.9	13.1	7.3
1227 O	233	13	<100	2.0	1950	115	58.8	22.4
1228 O	22	12	<100	4.6	410	12.9	7.8	1.5
1229 O	12	14	<100	8.9	100	12.3	11.2	0.4
1230 O	160	7	<100	4.3	160	24.1	12.5	4.2
1231 O	28	12	<100	9.6	190	18.2	12.8	1.1
1232 O	69	12	<100	10.9	300	46.0	22.6	4.0
1233 O	117	7	<100	7.0	260	90.1	45.7	8.2
1234 O	290	6	<100	7.1	330	57.4	29.1	8.3
1235 O	10	12	<100	8.1	80	16.0	12.1	0.7
1236 O	29	16	<100	7.7	210	9.3	6.7	1.2
1237 O	99	6	<100	9.3	280	34.2	15.6	4.2
1238 O	7	18	<100	8.9	100	4.2	4.0	0.3
1239 LG	463	20	<100	4.5	810	254	132	41.3
1239 O	35	13	<100	8.7	130	37.6	26.9	3.0
1240 LG	533	34	<100	7.0	630	164	97.5	23.2
1240 O	105	114	<100	2.8	1150	16.2	10.1	3.2
1241 O	21	217	<100	1.3	1660	15.9	10.7	2.4
1242 O	12	32	<100	3.5	290	13.0	10.7	0.9
1243 O	50	92	<100	3.0	920	26.1	16.9	3.3
1244 O	74	76	<100	7.7	1390	23.0	16.2	2.2
1245 O	76	43	<100	8.0	330	29.6	16.9	2.8
1246 O	60	6	<100	9.5	140	22.6	11.8	2.6
1247 O	80	6	<100	13.0	190	29.3	14.2	3.1
1248 O	32	3	<100	7.5	140	19.3	11.5	1.5
1249 O	359	6	<100	13.5	330	86.1	48.8	10.3
1250 O	97	6	<100	11.9	130	51.8	28.8	4.8
1251 O	20	5	<100	8.0	160	17.1	10.2	1.1
1252 O	13	12	<100	5.4	40	3.8	5.0	0.3
1253 O	133	13	<100	3.3	3620	76.5	34.9	15.3
1256 O	385	12	<100	2.3	1800	66.2	40.6	13.5
1257 O	87	69	<100	2.5	1770	31.5	14.5	6.7
1258 O	13	156	<100	1.7	740	8.8	10.6	0.9

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1259 O	89	42	<100	3.1	1610	23.5	13.5	5.1
1260 O	46	40	<100	2.1	810	17.9	10.6	3.1
1261 O	21	6	<100	8.8	290	15.0	11.2	0.8
1262 O	22	12	<100	9.1	150	34.3	25.5	1.4
1263 O	23	12	<100	13.2	210	44.6	32.3	2.3
1264 O	7	15	<100	6.6	140	1.8	3.9	<0.2
1265 O	17	33	<100	5.7	230	7.3	9.5	0.4
1266 O	10	12	<100	4.1	90	6.7	8.4	0.2
1279 LG	469	22	<100	7.4	850	129	72.3	27.5
1280 LG	349	14	<100	7.2	880	107	62.5	19.6
1281	390	15	<100	8.4	660	40.0	16.7	11.2
1282	357	14	<100	7.3	210	70.4	31.0	11.1
1283	71	24	<100	3.1	70	20.7	9.2	4.4
1284	257	13	<100	6.4	200	45.1	18.1	10.7
1285	1050	17	<100	5.9	240	130	57.5	22.5
1286	257	15	<100	4.5	50	72.5	33.2	14.5
1287	90	14	<100	3.8	90	19.9	10.6	4.7
1288	66	9	<100	3.9	50	10.0	6.1	2.2
1289	642	9	<100	3.9	90	105	48.3	32.1
1290	47	6	<100	4.1	30	17.0	9.5	3.2
1291	272	6	<100	2.4	100	29.5	11.7	8.0
1292	54	7	<100	3.8	50	26.0	15.0	3.4
1293	161	7	<100	3.7	100	44.7	20.9	8.3
1294	108	22	<100	3.6	80	23.9	12.6	5.0
1295	345	7	<100	4.5	400	48.6	19.1	15.0
1296	142	5	<100	2.2	100	24.4	11.3	7.3
1297	116	8	<100	3.7	240	33.7	14.9	7.3
1298	118	12	<100	2.7	1720	33.5	18.4	8.0
1299	22	21	<100	1.8	6160	16.8	15.0	3.6
1300	323	11	<100	3.1	830	45.9	24.2	11.3
1301	150	7	<100	2.3	850	37.4	19.2	8.6
1302	153	3	<100	2.9	880	35.8	17.2	8.2
1303	160	9	<100	1.9	1670	37.3	18.6	8.8
1304	173	34	<100	1.9	2320	29.3	14.5	6.7
1305	153	13	<100	1.4	200	48.2	26.1	11.1
1306	37	9	<100	0.5	840	26.6	18.5	9.4
1307	65	3	<100	0.6	2070	14.7	8.0	4.7
1308	301	7	<100	1.9	740	38.3	24.6	10.5
1309	142	9	<100	1.5	790	26.0	11.2	5.4
1310	240	3	<100	2.1	1440	68.2	32.9	16.0

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1311	212	49	<100	5.0	1100	90.1	48.1	15.3
1312	467	10	<100	4.2	1490	256	136	59.7
1313	536	9	<100	3.1	990	177	98.6	51.2
1314	630	6	<100	5.3	1140	200	106	49.2

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1219 O	51	7.4	1.6	<1	0.4	3.6	3	<1
1220 O	29	6.4	18.3	<1	0.1	3.1	27	<1
1221 O	15	3.3	150	<1	0.1	3.1	123	<1
1222 O	15	2.9	105	<1	<0.1	6.6	126	<1
1223 O	16	3.1	17.8	<1	<0.1	3.5	27	<1
1224 O	20	2.7	154	<1	0.3	6.7	240	<1
1225 O	16	1.8	93.0	<1	<0.1	6.9	105	<1
1226 O	16	1.7	25.6	<1	<0.1	10.7	26	<1
1227 O	17	1.1	94.8	<1	<0.1	6.1	117	<1
1228 O	23	3.5	6.2	<1	0.2	4.1	9	<1
1229 O	34	9.6	4.1	<1	0.4	5.6	5	<1
1230 O	35	3.8	21.4	<1	0.3	2.8	67	<1
1231 O	39	12.7	8.3	<1	0.4	12.8	11	<1
1232 O	13	10.6	28.5	<1	0.3	5.4	18	<1
1233 O	16	12.3	56.4	<1	0.4	2.7	39	<1
1234 O	14	10.4	50.5	<1	0.2	4.3	101	<1
1235 O	24	6.4	4.7	<1	0.4	3.1	4	<1
1236 O	43	8.0	5.1	<1	0.3	3.6	12	<1
1237 O	20	10.7	26.4	<1	0.3	2.7	33	<1
1238 O	55	9.7	1.3	<1	0.4	8.2	3	<1
1239 LG	15	5.6	220	<1	0.2	7.7	336	<1
1239 O	16	11.8	19.5	<1	0.3	6.4	11	<1
1240 LG	15	6.7	139	<1	0.2	5.2	237	<1
1240 O	92	17.7	12.6	<1	0.2	10.8	37	<1
1241 O	76	39.4	11.0	<1	0.2	13.9	8	<1
1242 O	67	6.0	6.5	<1	0.3	3.3	4	<1
1243 O	58	7.3	19.6	<1	0.2	14.9	17	<1
1244 O	51	15.3	12.7	<1	0.4	31.8	22	<1
1245 O	24	8.0	20.9	<1	0.3	6.2	21	<1
1246 O	41	6.1	13.8	<1	0.4	6.6	19	<1
1247 O	18	7.8	20.4	<1	0.2	10.0	23	<1
1248 O	27	5.8	9.1	<1	0.3	3.5	13	<1
1249 O	12	13.3	70.2	<1	0.2	8.5	111	<1
1250 O	16	9.2	36.4	<1	0.3	3.1	27	<1
1251 O	25	6.6	6.2	<1	0.3	4.1	8	<1
1252 O	72	16.9	1.8	<1	0.3	4.4	6	<1
1253 O	49	4.1	67.7	<1	<0.1	6.6	97	<1
1256 O	11	1.3	68.6	<1	<0.1	5.0	109	<1
1257 O	40	6.4	26.5	<1	0.1	12.9	37	<1
1258 O	82	14.3	4.1	<1	0.2	15.9	5	<1

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SGS

Final : VC151801 Order: DeCoors / Hot Bath Project 1219-1314

Report File No.: 0000012322

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1259 O	36	5.7	22.0	<1	0.1	11.3	33	<1
1260 O	40	9.4	13.3	1	0.1	13.9	17	<1
1261 O	31	8.0	5.2	<1	0.3	4.2	9	<1
1262 O	22	11.1	11.9	<1	0.4	4.7	8	<1
1263 O	15	13.4	18.1	<1	0.4	7.5	7	<1
1264 O	55	10.1	0.8	<1	0.4	5.0	3	<1
1265 O	78	37.7	1.9	<1	0.5	5.9	7	<1
1266 O	59	20.3	1.8	<1	0.5	6.5	5	<1
1279 LG	29	11.2	151	<1	0.1	10.9	243	<1
1280 LG	20	7.6	119	<1	0.1	7.2	180	<1
1281	37	6.6	49.5	<1	0.3	2.7	149	1
1282	24	3.4	62.5	<1	0.3	13.3	146	<1
1283	48	13.2	18.5	1	0.2	13.9	30	2
1284	27	4.3	47.8	<1	0.2	4.8	107	<1
1285	22	3.4	128	<1	0.2	8.6	601	<1
1286	24	2.7	72.8	<1	0.2	6.7	90	<1
1287	44	24.0	19.8	2	0.2	8.7	41	2
1288	48	15.6	9.4	1	0.2	5.2	26	<1
1289	18	2.1	135	<1	0.2	8.7	274	<1
1290	44	4.0	12.8	<1	0.2	4.1	18	<1
1291	16	2.8	30.8	<1	0.1	11.7	123	<1
1292	35	18.0	17.8	1	0.2	8.9	22	<1
1293	23	6.3	43.0	<1	0.2	4.9	64	<1
1294	47	13.8	22.0	2	0.2	18.8	46	2
1295	34	5.4	54.6	<1	0.2	6.0	149	<1
1296	29	7.6	25.5	<1	0.1	2.2	52	<1
1297	31	7.2	34.3	<1	0.2	15.9	39	<1
1298	53	9.7	32.8	<1	0.2	17.1	44	1
1299	39	16.9	12.2	<1	<0.1	28.6	13	5
1300	23	8.2	51.8	<1	<0.1	16.0	158	<1
1301	22	3.5	35.4	<1	<0.1	8.2	94	<1
1302	19	3.3	36.8	<1	<0.1	19.3	98	<1
1303	20	3.0	38.2	<1	0.1	13.4	70	<1
1304	16	1.2	27.1	<1	<0.1	16.6	88	<1
1305	28	6.3	45.5	<1	0.1	11.7	72	<1
1306	11	<0.5	32.6	<1	<0.1	30.0	37	<1
1307	7	<0.5	18.2	<1	<0.1	23.3	37	<1
1308	15	4.5	48.1	<1	<0.1	54.8	239	<1
1309	19	1.3	20.8	<1	<0.1	10.7	96	<1
1310	18	1.3	69.3	<1	<0.1	4.3	145	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1311	39	2.3	76.8	<1	<0.1	7.0	81	<1
1312	21	3.4	287	<1	0.1	4.1	279	<1
1313	30	6.5	250	<1	0.1	4.9	285	<1
1314	26	10.6	248	<1	0.1	7.1	342	<1

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1219 O	1.1	<100	<2	6.1	3	68	0.6	65
1220 O	1.9	200	3	4.5	47	56	0.8	36
1221 O	5.5	700	<2	<0.5	324	69	0.9	43
1222 O	6.6	1700	2	1.2	269	62	0.6	40
1223 O	3.8	800	6	2.4	45	48	0.7	19
1224 O	2.2	200	2	2.8	497	43	1.6	50
1225 O	12.7	1100	<2	<0.5	218	47	0.4	36
1226 O	22.6	26300	3	<0.5	58	159	0.3	<5
1227 O	18.3	1000	<2	<0.5	249	54	0.4	33
1228 O	<0.5	200	<2	2.8	14	36	1.2	59
1229 O	<0.5	<100	<2	6.0	6	37	0.5	54
1230 O	<0.5	400	<2	4.0	92	25	0.8	25
1231 O	0.5	400	2	10.6	16	41	1.0	87
1232 O	<0.5	200	<2	1.7	59	51	0.3	57
1233 O	<0.5	100	<2	3.7	141	32	0.2	133
1234 O	<0.5	500	<2	5.2	212	41	0.6	72
1235 O	<0.5	400	<2	2.8	7	33	0.6	81
1236 O	<0.5	600	2	5.8	14	55	1.6	54
1237 O	<0.5	400	<2	5.7	71	32	0.6	86
1238 O	0.8	300	<2	7.0	3	66	1.1	23
1239 LG	5.7	1400	<2	4.4	733	35	0.8	95
1239 O	0.8	300	<2	5.5	34	80	1.2	26
1240 LG	1.0	4700	<2	2.1	525	47	0.5	54
1240 O	2.3	2600	5	11.0	46	77	6.8	25
1241 O	2.5	300	2	15.2	25	54	2.2	35
1242 O	5.7	<100	<2	2.2	10	61	0.8	30
1243 O	9.3	3300	<2	4.2	38	87	0.8	35
1244 O	2.1	3600	5	11.7	34	144	3.9	28
1245 O	<0.5	700	<2	5.0	48	88	1.2	33
1246 O	<0.5	300	<2	4.5	38	23	0.7	28
1247 O	0.6	500	<2	2.4	51	31	0.3	21
1248 O	<0.5	200	<2	4.2	21	26	0.6	40
1249 O	<0.5	200	<2	<0.5	247	52	<0.1	25
1250 O	<0.5	100	<2	2.0	80	58	0.3	59
1251 O	<0.5	<100	<2	2.9	14	37	0.2	73
1252 O	<0.5	100	3	13.7	5	27	1.8	18
1253 O	7.7	1400	10	5.0	177	32	0.9	14
1256 O	14.3	1100	49	<0.5	163	63	0.3	16
1257 O	6.5	1400	4	1.2	68	57	3.4	36
1258 O	8.6	700	<2	<0.5	8	32	2.5	27

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Final : VC151801 Order: DeCoors / Hot Bath Project 1219-1314

Report File No.: 0000012322

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1259 O	4.6	2400	3	2.1	61	60	4.6	36
1260 O	8.8	4800	3	0.6	29	56	6.9	29
1261 O	<0.5	200	2	5.1	10	45	1.1	40
1262 O	<0.5	100	<2	7.5	16	54	0.6	41
1263 O	0.6	500	<2	2.8	20	88	0.4	37
1264 O	0.5	<100	3	6.8	3	26	0.6	9
1265 O	0.7	700	4	30.3	7	37	1.3	51
1266 O	0.8	400	4	16.8	6	47	1.6	25
1279 LG	0.8	2200	3	9.8	483	29	1.5	57
1280 LG	1.2	1800	4	6.3	373	23	1.0	46
1281	1.6	1500	<2	10.2	209	37	4.3	182
1282	3.1	1900	<2	3.6	240	49	1.6	185
1283	12.6	1800	2	4.5	47	144	7.0	212
1284	2.3	1000	<2	4.1	166	110	4.8	122
1285	6.7	1900	<2	2.1	565	99	4.8	246
1286	8.9	600	<2	1.2	193	123	3.1	73
1287	3.9	2000	2	7.5	60	89	12.7	92
1288	1.1	400	3	6.6	28	68	11.4	106
1289	2.9	2900	<2	2.2	506	32	3.2	90
1290	1.1	100	<2	1.3	36	100	4.6	152
1291	11.7	1100	<2	1.1	121	56	2.3	190
1292	1.7	1000	<2	4.5	39	86	3.0	129
1293	3.2	300	<2	3.6	112	76	2.1	161
1294	4.2	2200	2	5.1	60	155	13.5	94
1295	1.3	700	<2	7.8	200	19	3.2	89
1296	1.9	500	<2	3.4	82	52	8.3	96
1297	4.0	2500	<2	3.8	78	95	3.2	88
1298	9.0	2200	<2	8.1	80	89	8.3	29
1299	50.7	1300	<2	5.9	18	85	0.4	23
1300	6.6	2100	3	10.9	198	36	5.1	53
1301	21.3	1100	<2	3.6	101	53	1.3	31
1302	10.6	500	<2	5.3	115	32	1.3	47
1303	20.9	2500	<2	0.9	103	124	3.2	59
1304	27.2	5900	<2	0.9	95	45	0.7	63
1305	21.4	1600	<2	0.5	126	99	2.7	55
1306	123	2700	<2	<0.5	65	110	<0.1	20
1307	115	300	<2	<0.5	48	62	0.2	26
1308	86.8	1900	<2	<0.5	181	97	1.1	35
1309	41.3	600	<2	<0.5	80	102	0.8	51
1310	26.5	400	<2	<0.5	206	14	<0.1	21

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1311	3.4	11500	<2	2.6	175	45	1.0	53
1312	6.8	1200	<2	1.7	698	17	0.5	78
1313	5.2	700	<2	6.4	661	17	0.8	45
1314	2.9	500	<2	5.5	761	15	0.9	77

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1219 O	<1	0.6	<0.1	65	<0.5	7	1	<1
1220 O	<1	11.2	<0.1	48	<0.5	10	14	<1
1221 O	<1	67.9	<0.1	28	<0.5	41	100	<1
1222 O	1	55.7	<0.1	45	<0.5	62	75	<1
1223 O	<1	9.5	<0.1	46	<0.5	19	14	<1
1224 O	2	102	<0.1	85	<0.5	61	131	<1
1225 O	<1	45.4	<0.1	34	<0.5	52	68	<1
1226 O	<1	11.2	<0.1	35	<0.5	21	19	<1
1227 O	<1	49.3	<0.1	53	<0.5	62	68	<1
1228 O	<1	3.3	<0.1	69	<0.5	14	4	<1
1229 O	<1	1.6	<0.1	83	<0.5	12	2	<1
1230 O	<1	21.8	<0.1	57	<0.5	16	21	<1
1231 O	<1	3.6	<0.1	117	<0.5	14	6	<1
1232 O	<1	11.5	<0.1	85	<0.5	17	19	<1
1233 O	<1	26.3	<0.1	58	<0.5	23	39	<1
1234 O	<1	43.5	<0.1	100	<0.5	31	47	<1
1235 O	<1	1.6	<0.1	62	<0.5	15	3	<1
1236 O	<1	3.2	<0.1	78	<0.5	16	4	<1
1237 O	<1	16.3	<0.1	88	<0.5	14	20	<1
1238 O	<1	0.7	<0.1	108	<0.5	6	<1	<1
1239 LG	<1	156	<0.1	96	<0.5	56	181	<1
1239 O	<1	6.3	<0.1	90	<0.5	38	12	<1
1240 LG	<1	109	<0.1	105	<0.5	60	125	<1
1240 O	<1	10.9	<0.1	61	<0.5	33	11	<1
1241 O	<1	4.5	<0.1	54	<0.5	35	8	1
1242 O	<1	2.1	<0.1	46	<0.5	8	4	<1
1243 O	<1	7.8	<0.1	72	<0.5	20	13	<1
1244 O	<1	7.5	<0.1	115	<0.5	31	10	<1
1245 O	<1	9.8	<0.1	78	<0.5	17	16	<1
1246 O	<1	8.3	<0.1	129	<0.5	14	11	<1
1247 O	<1	11.0	<0.1	123	<0.5	15	15	<1
1248 O	<1	4.5	<0.1	81	<0.5	10	6	<1
1249 O	<1	58.6	<0.1	106	<0.5	21	62	<1
1250 O	<1	17.3	<0.1	90	<0.5	16	26	<1
1251 O	<1	3.0	<0.1	54	<0.5	12	4	<1
1252 O	<1	1.4	<0.1	71	<0.5	10	2	<1
1253 O	<1	35.3	<0.1	46	<0.5	45	54	<1
1256 O	1	36.5	<0.1	60	<0.5	20	51	<1
1257 O	<1	15.2	<0.1	120	<0.5	28	20	<1
1258 O	<1	1.7	<0.1	105	<0.5	20	3	<1

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Final : VC151801 Order: DeCoors / Hot Bath Project 1219-1314

Report File No.: 0000012322

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1259 O	<1	11.8	<0.1	107	<0.5	43	17	<1
1260 O	<1	6.2	<0.1	94	<0.5	37	10	<1
1261 O	<1	2.5	<0.1	89	<0.5	9	3	<1
1262 O	<1	3.0	<0.1	77	<0.5	20	6	<1
1263 O	<1	3.7	<0.1	98	<0.5	18	8	<1
1264 O	<1	0.6	<0.1	44	<0.5	7	<1	<1
1265 O	<1	1.7	<0.1	52	<0.5	14	2	2
1266 O	<1	1.3	<0.1	53	<0.5	16	1	<1
1279 LG	<1	113	<0.1	92	<0.5	60	144	<1
1280 LG	1	75.3	0.1	90	<0.5	60	108	<1
1281	<1	50.6	<0.1	121	<0.5	36	53	<1
1282	<1	49.5	<0.1	217	<0.5	27	56	<1
1283	<1	10.4	<0.1	112	<0.5	19	14	<1
1284	<1	35.9	<0.1	157	<0.5	24	44	<1
1285	<1	142	<0.1	137	<0.5	47	123	<1
1286	<1	39.9	<0.1	202	<0.5	33	59	<1
1287	<1	13.2	<0.1	150	<0.5	17	17	<1
1288	<1	7.1	<0.1	101	<0.5	14	8	<1
1289	<1	115	<0.1	97	<0.5	44	138	<1
1290	<1	7.5	<0.1	136	<0.5	14	10	<1
1291	<1	32.2	<0.1	68	<0.5	16	28	<1
1292	<1	8.4	<0.1	86	<0.5	13	12	<1
1293	<1	25.8	<0.1	117	<0.5	24	33	<1
1294	<1	13.6	<0.1	100	<0.5	25	18	<1
1295	<1	48.6	<0.1	138	<0.5	37	54	<1
1296	<1	18.7	<0.1	63	<0.5	21	25	<1
1297	<1	17.5	<0.1	105	<0.5	17	27	<1
1298	<1	17.0	<0.1	85	<0.5	46	25	<1
1299	<1	3.6	<0.1	33	<0.5	76	7	<1
1300	<1	46.8	0.2	78	<0.5	39	51	<1
1301	<1	24.5	<0.1	45	<0.5	31	28	<1
1302	<1	27.0	<0.1	70	<0.5	15	28	<1
1303	<1	23.7	<0.1	53	<0.5	19	30	<1
1304	<1	21.9	<0.1	59	<0.5	17	23	<1
1305	<1	27.3	<0.1	42	<0.5	21	37	<1
1306	<1	12.7	<0.1	14	<0.5	6	21	<1
1307	<1	10.1	<0.1	16	<0.5	<5	14	<1
1308	<1	46.5	<0.1	52	<0.5	27	39	<1
1309	<1	18.5	<0.1	34	<0.5	10	17	<1
1310	<1	45.0	<0.1	67	<0.5	39	53	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1311	<1	36.8	<0.1	212	<0.5	46	58	<1
1312	<1	141	<0.1	195	<0.5	104	214	<1
1313	<1	143	<0.1	169	<0.5	102	203	<1
1314	<1	160	0.2	211	<0.5	123	219	<1

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Final : VC151801 Order: DeCoors / Hot Bath Project 1219-1314

Report File No.: 0000012322

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1219 O	90	<1	0.6	<10	2.6	170	<0.1	16.1
1220 O	280	<1	3.0	<10	9.1	220	<0.1	58.3
1221 O	1260	<1	26.5	<10	4.0	80	0.1	396
1222 O	1670	<1	17.1	<10	7.8	150	0.2	69.0
1223 O	680	<1	2.8	<10	6.8	140	0.2	31.3
1224 O	550	<1	28.6	<10	23.1	230	0.4	99.5
1225 O	3810	<1	15.0	<10	5.1	90	0.2	12.1
1226 O	5550	<1	3.6	<10	1.8	20	<0.1	14.6
1227 O	2480	<1	15.4	<10	12.3	50	0.1	22.8
1228 O	40	<1	1.4	<10	4.7	150	<0.1	7.2
1229 O	<10	<1	1.2	<10	4.6	300	0.1	8.4
1230 O	50	<1	4.0	<10	10.3	290	<0.1	11.3
1231 O	<10	<1	2.1	<10	6.1	400	0.2	8.7
1232 O	<10	<1	6.5	<10	3.6	120	0.3	12.9
1233 O	<10	<1	12.3	<10	6.7	90	0.2	20.1
1234 O	<10	<1	9.9	<10	9.5	340	0.2	14.2
1235 O	<10	<1	1.5	<10	2.9	150	<0.1	7.2
1236 O	<10	<1	1.3	<10	6.9	520	0.1	9.6
1237 O	<10	<1	4.8	<10	11.8	270	0.1	14.1
1238 O	30	<1	0.4	<10	3.2	310	0.3	5.0
1239 LG	510	<1	38.8	<10	15.0	230	0.3	77.9
1239 O	<10	<1	4.7	<10	3.9	350	0.3	8.3
1240 LG	50	<1	25.6	<10	11.5	220	0.1	30.3
1240 O	80	<1	2.5	<10	14.4	1020	0.1	11.3
1241 O	240	<1	2.2	<10	3.6	1760	<0.1	5.2
1242 O	440	<1	1.2	<10	1.1	140	<0.1	6.2
1243 O	1440	<1	3.7	<10	4.7	290	<0.1	19.5
1244 O	100	<1	3.0	<10	9.5	840	0.1	9.3
1245 O	20	<1	4.5	<10	5.7	270	<0.1	13.6
1246 O	20	<1	3.2	<10	6.9	250	<0.1	10.6
1247 O	<10	<1	4.4	<10	4.2	160	<0.1	9.2
1248 O	<10	<1	2.2	<10	5.8	170	<0.1	9.6
1249 O	<10	<1	12.5	<10	3.5	50	0.1	50.9
1250 O	<10	<1	7.5	<10	5.3	90	0.2	11.5
1251 O	<10	<1	1.8	<10	4.4	110	<0.1	9.4
1252 O	<10	<1	0.4	<10	4.7	530	<0.1	7.0
1253 O	1140	<1	11.2	<10	19.4	400	0.3	258
1256 O	3810	<1	10.2	<10	9.4	60	0.4	2730
1257 O	1100	<1	4.3	<10	18.1	220	0.2	54.1
1258 O	540	<1	0.9	<10	7.3	220	<0.1	15.3

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1259 O	1020	<1	3.9	<10	17.3	410	0.2	18.9
1260 O	550	<1	2.4	<10	16.3	310	0.1	12.5
1261 O	<10	<1	1.3	<10	5.0	280	0.2	8.0
1262 O	<10	<1	3.6	<10	2.8	340	0.2	8.6
1263 O	<10	<1	5.0	<10	2.0	180	0.2	8.6
1264 O	<10	<1	0.2	<10	0.5	280	<0.1	4.7
1265 O	<10	1	0.6	<10	4.9	1480	<0.1	9.9
1266 O	<10	<1	0.5	<10	6.0	970	<0.1	8.8
1279 LG	180	<1	21.1	<10	22.6	2270	0.3	52.6
1280 LG	150	<1	17.7	<10	22.6	1030	0.1	49.3
1281	50	<1	7.5	<10	32.8	1810	0.6	17.1
1282	110	<1	11.9	<10	18.9	380	0.8	18.5
1283	580	<1	3.1	<10	15.3	700	0.3	12.1
1284	120	<1	7.9	<10	24.4	620	0.7	17.7
1285	340	<1	22.3	<10	47.1	270	0.3	29.6
1286	190	<1	12.0	<10	15.6	260	<0.1	13.4
1287	260	<1	3.2	<10	26.1	690	0.3	10.9
1288	40	<1	1.4	<10	23.9	920	0.3	10.2
1289	300	<1	19.1	<10	36.4	460	0.3	39.0
1290	70	<1	2.3	<10	12.5	300	0.3	6.8
1291	1090	<1	4.6	<10	16.4	320	<0.1	8.2
1292	200	<1	3.4	<10	11.6	470	0.1	8.4
1293	200	<1	7.2	<10	15.7	520	0.3	23.8
1294	640	<1	3.8	<10	36.1	800	0.2	20.8
1295	120	<1	8.0	<10	38.9	1460	0.6	36.9
1296	110	<1	4.1	<10	15.6	450	0.1	9.0
1297	150	<1	5.3	<10	14.3	550	0.2	12.7
1298	810	<1	5.2	<10	22.4	1600	<0.1	18.0
1299	10700	<1	2.2	10	7.4	1350	0.1	30.4
1300	1020	<1	8.1	<10	49.2	600	0.2	42.7
1301	3570	<1	5.7	<10	14.1	650	<0.1	22.6
1302	1060	<1	5.6	<10	21.2	340	<0.1	34.3
1303	1300	<1	6.0	<10	19.6	300	<0.1	37.2
1304	2500	<1	4.6	<10	14.6	250	<0.1	29.5
1305	1570	<1	7.4	<10	17.0	250	<0.1	41.6
1306	9380	<1	4.2	<10	16.2	<10	<0.1	159
1307	12600	<1	2.5	<10	14.9	<10	<0.1	49.6
1308	9200	<1	6.7	<10	27.6	240	<0.1	51.8
1309	2660	<1	3.7	<10	12.1	120	0.2	13.7
1310	2570	<1	10.8	<10	11.3	150	0.2	21.4

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1311	300	<1	13.8	<10	17.3	650	0.6	35.6
1312	1040	<1	40.6	<10	16.3	490	0.8	46.2
1313	1180	<1	30.4	<10	12.5	1420	0.3	28.2
1314	810	<1	33.1	<10	16.2	880	0.3	39.9

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Final : VC151801 Order: DeCoors / Hot Bath Project 1219-1314

Report File No.: 0000012322

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1219 O	<0.5	26	5.9	200	101
1220 O	<0.5	81	6.9	60	135
1221 O	<0.5	1370	84.5	60	37
1222 O	<0.5	814	57.3	160	100
1223 O	<0.5	90	7.6	60	89
1224 O	<0.5	1100	68.8	100	351
1225 O	<0.5	701	43.6	40	46
1226 O	<0.5	112	12.3	100	37
1227 O	<0.5	620	45.9	30	125
1228 O	<0.5	48	7.4	40	76
1229 O	<0.5	58	10.3	50	147
1230 O	<0.5	111	8.4	70	267
1231 O	<0.5	85	10.6	90	204
1232 O	<0.5	185	16.9	90	143
1233 O	<0.5	349	37.6	50	213
1234 O	<0.5	308	21.0	60	284
1235 O	<0.5	69	11.4	80	102
1236 O	<0.5	46	5.6	110	146
1237 O	<0.5	123	13.5	70	344
1238 O	<0.5	15	4.3	120	130
1239 LG	<0.5	1510	98.7	90	183
1239 O	<0.5	190	24.7	150	169
1240 LG	<0.5	1010	73.5	100	238
1240 O	<0.5	72	8.2	320	196
1241 O	<0.5	86	8.6	340	69
1242 O	<0.5	57	8.3	190	43
1243 O	<0.5	151	12.4	640	72
1244 O	<0.5	106	12.5	560	213
1245 O	<0.5	129	11.5	540	205
1246 O	<0.5	95	8.6	80	212
1247 O	<0.5	104	9.7	140	158
1248 O	<0.5	73	9.3	50	193
1249 O	<0.5	424	35.9	110	120
1250 O	<0.5	234	22.6	60	182
1251 O	<0.5	62	8.9	40	126
1252 O	<0.5	20	6.8	50	127
1253 O	<0.5	307	25.6	50	227
1256 O	<0.5	427	34.5	50	153
1257 O	<0.5	113	13.5	150	56
1258 O	<0.5	44	11.3	430	14

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1259 O	<0.5	116	10.1	310	74
1260 O	<0.5	82	8.0	520	30
1261 O	<0.5	54	10.5	100	166
1262 O	<0.5	169	21.1	40	142
1263 O	<0.5	227	27.0	150	106
1264 O	<0.5	10	5.2	20	75
1265 O	<0.5	41	8.9	110	180
1266 O	<0.5	30	10.3	160	164
1279 LG	0.8	614	59.7	240	472
1280 LG	<0.5	671	43.3	200	448
1281	<0.5	158	11.6	80	470
1282	<0.5	310	18.8	100	377
1283	<0.5	81	7.6	800	133
1284	<0.5	165	12.2	180	212
1285	<0.5	653	42.0	80	383
1286	<0.5	318	23.9	40	112
1287	<0.5	84	7.8	190	149
1288	<0.5	39	5.3	620	221
1289	<0.5	484	34.6	60	189
1290	<0.5	76	8.0	80	67
1291	<0.5	125	9.9	40	79
1292	<0.5	123	13.0	80	84
1293	<0.5	188	16.3	80	117
1294	<0.5	105	9.9	220	160
1295	<0.5	163	16.2	60	364
1296	<0.5	97	8.9	150	173
1297	<0.5	123	11.6	140	223
1298	<0.5	148	16.8	80	300
1299	<0.5	109	14.3	200	67
1300	<0.5	210	21.5	100	872
1301	<0.5	196	14.7	70	164
1302	<0.5	153	13.5	40	245
1303	<0.5	172	15.3	340	83
1304	<0.5	164	9.8	50	66
1305	<0.5	258	21.9	280	39
1306	<0.5	161	16.2	110	12
1307	<0.5	96	5.7	20	9
1308	<0.5	310	18.5	140	40
1309	<0.5	126	8.2	180	37
1310	<0.5	374	23.7	20	124

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1311	<0.5	480	31.8	120	221
1312	<0.5	1300	109	140	243
1313	<0.5	971	77.8	260	338
1314	<0.5	1030	88.9	370	372

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SGS

Certificate of Analysis
Work Order : VC151802
[Report File No.: 0000012407]

Date: August 21, 2015

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

P.O. No.: DeCoors / Hot Bath Project 1315-1391
Project No.: -
Samples: 84
Received: Jul 24, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:
L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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SGS Canada Inc. | Mineral Services Suite E - 3260 Production Way Burnaby BC t(604) 638-2349 f(604) 444-5486 www.ca.sgs.com
Member of the SGS Group (Société Générale de Surveillance)

SGS

Final : VC151802 Order: DeCoors / Hot Bath Project 1315-1391

Report File No.: 0000012407

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1315	10.3	27	<10	0.3	3050	<0.5	597	3
1316	9.9	201	<10	0.1	9480	<0.5	119	3
1317	7.1	240	10	<0.1	4640	<0.5	51	5
1318	3.0	247	<10	<0.1	9090	<0.5	95	9
1319	5.8	206	<10	<0.1	7130	<0.5	53	2
1320	5.3	140	<10	<0.1	18700	<0.5	309	6
1321	3.5	288	<10	<0.1	3050	<0.5	59	4
1322	3.5	208	<10	<0.1	4310	<0.5	54	4
1323	5.0	230	<10	<0.1	10800	<0.5	155	3
1324	5.3	246	<10	0.1	2650	<0.5	27	2
1325	4.5	272	<10	<0.1	3670	<0.5	64	6
1326	2.2	239	<10	<0.1	1990	<0.5	78	5
1327	2.6	184	<10	<0.1	16200	<0.5	335	3
1328	1.5	239	<10	0.1	1160	<0.5	86	1
1329	1.9	232	<10	<0.1	8460	<0.5	149	3
1330	1.3	233	<10	<0.1	700	<0.5	26	5
1331	3.3	209	<10	<0.1	1100	<0.5	113	3
1332	2.5	238	<10	<0.1	3650	<0.5	25	2
1333	2.1	200	<10	<0.1	1210	<0.5	53	2
1334	9.6	219	<10	0.5	1840	<0.5	42	7
1335	2.0	217	<10	<0.1	1030	<0.5	18	3
1336	2.5	236	<10	<0.1	1170	<0.5	12	2
1337	1.7	213	<10	<0.1	450	<0.5	3	5
1338	1.5	123	<10	<0.1	17500	<0.5	578	<1
1339	0.7	248	<10	<0.1	800	<0.5	7	19
1340	2.9	227	<10	<0.1	2220	<0.5	112	4
1341	1.3	214	<10	<0.1	1260	<0.5	44	8
1342	3.4	205	<10	<0.1	980	<0.5	120	7
1343	2.7	208	<10	<0.1	3300	<0.5	91	6
1344	2.6	187	<10	<0.1	1380	<0.5	74	5
1345	6.0	217	<10	<0.1	890	<0.5	18	3
1346	4.4	277	<10	<0.1	1160	<0.5	42	3
1347	1.0	284	<10	<0.1	1260	<0.5	14	16
1348	1.3	271	<10	<0.1	620	<0.5	17	7
1349	1.1	235	<10	<0.1	450	<0.5	7	13
1350	2.9	290	<10	<0.1	1070	<0.5	53	3
1351	10.4	223	<10	<0.1	520	<0.5	6	5
1352	2.0	217	<10	<0.1	660	<0.5	7	7
1353	1.5	283	<10	<0.1	1270	<0.5	49	6
1354	2.2	161	<10	<0.1	5860	<0.5	96	3

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1355	5.1	237	<10	<0.1	580	<0.5	16	9
1356	2.2	341	<10	<0.1	4090	<0.5	11	5
1357	2.7	319	<10	<0.1	840	<0.5	10	12
1358	4.6	259	<10	<0.1	530	<0.5	10	6
1359	4.1	276	<10	0.1	3870	<0.5	35	9
1360	1.8	238	<10	<0.1	2890	<0.5	11	11
1361	7.2	215	<10	<0.1	4520	<0.5	30	11
1362	6.6	34	<10	0.4	19800	<0.5	464	3
1363	8.1	85	<10	0.2	26900	<0.5	418	4
1364	5.2	248	<10	<0.1	3150	<0.5	27	3
1365	3.4	308	<10	<0.1	3520	<0.5	15	5
1366	4.0	310	<10	<0.1	1290	<0.5	6	8
1367	2.1	241	<10	<0.1	4430	<0.5	38	8
1368	2.6	264	<10	<0.1	2450	<0.5	17	5
1369	2.6	288	<10	<0.1	2720	<0.5	32	7
1370	1.5	234	<10	<0.1	760	<0.5	14	17
1371	3.3	288	<10	<0.1	2120	<0.5	10	8
1372	4.9	274	<10	<0.1	530	<0.5	10	17
1373	4.1	247	<10	<0.1	2970	<0.5	81	19
1374	1.3	292	<10	<0.1	280	<0.5	3	11
1375	1.8	265	<10	<0.1	840	<0.5	12	25
1376	5.5	206	<10	<0.1	5590	<0.5	41	11
1377	3.7	251	<10	<0.1	580	<0.5	4	15
1378	2.2	248	<10	<0.1	440	<0.5	8	38
1379	1.0	206	<10	<0.1	860	<0.5	26	70
1380	1.8	203	<10	<0.1	720	<0.5	18	17
1381	6.6	204	<10	<0.1	430	<0.5	7	10
1382	5.6	106	<10	<0.1	130	<0.5	<2	6
1383	2.2	174	<10	<0.1	200	<0.5	6	7
1384	2.4	198	<10	<0.1	450	<0.5	10	8
1384 O	8.7	197	<10	<0.1	190	<0.5	<2	8
1385	11.2	250	<10	<0.1	240	<0.5	26	4
1385 O	5.3	241	<10	0.1	720	<0.5	<2	7
1386	15.9	238	<10	0.3	1900	<0.5	58	5
1386 O	3.2	283	<10	<0.1	690	<0.5	5	5
1387	5.2	190	<10	<0.1	480	<0.5	47	5
1387 O	10.8	281	<10	0.1	970	<0.5	6	4
1388	7.7	154	<10	<0.1	150	<0.5	2	6
1388 O	8.3	264	<10	0.1	810	<0.5	10	3
1389	7.7	164	<10	0.1	530	<0.5	6	8

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1389 O	3.6	214	<10	<0.1	500	<0.5	9	5
1390	5.9	125	<10	<0.1	490	<0.5	3	9
1390 O	6.0	243	<10	<0.1	580	<0.5	5	3
1391	5.2	252	<10	<0.1	340	<0.5	4	5

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Final : VC151802 Order: DeCoors / Hot Bath Project 1315-1391

Report File No.: 0000012407

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1315	97	4	<100	0.4	1440	31.9	17.0	7.6
1316	692	5	<100	3.6	810	106	47.6	32.2
1317	375	11	<100	5.0	1180	40.2	16.6	11.9
1318	314	16	<100	2.8	1280	66.8	32.3	16.9
1319	373	5	<100	3.7	310	72.4	26.7	20.7
1320	231	13	<100	2.4	340	32.6	15.8	11.4
1321	220	8	<100	5.1	170	32.2	16.0	9.0
1322	312	6	<100	4.5	290	28.5	12.7	9.1
1323	427	4	<100	3.4	540	101	50.9	25.9
1324	327	4	<100	4.3	590	55.7	21.8	14.1
1325	118	15	<100	6.6	500	22.5	10.8	4.9
1326	205	9	<100	3.7	390	27.7	12.3	7.4
1327	369	5	<100	3.1	180	35.5	17.0	11.3
1328	118	5	<100	2.8	60	16.0	7.6	4.3
1329	168	4	<100	2.2	160	18.2	9.0	5.6
1330	79	4	<100	3.5	30	19.9	9.4	3.5
1331	174	4	<100	2.4	180	24.8	12.3	6.1
1332	246	6	<100	5.7	170	32.3	16.2	8.8
1333	100	5	<100	6.3	110	24.8	12.0	5.9
1334	144	6	<100	3.6	2830	44.5	21.6	9.4
1335	89	6	<100	2.9	80	29.4	14.4	5.2
1336	169	5	<100	9.1	50	21.8	10.3	5.3
1337	77	10	<100	5.1	90	26.8	13.8	3.6
1338	289	4	<100	0.9	190	93.8	47.1	21.5
1339	23	22	<100	3.2	50	6.7	7.4	0.9
1340	162	12	<100	2.3	260	22.4	11.2	5.9
1341	112	12	<100	3.2	110	21.8	10.7	5.6
1342	69	5	<100	2.9	100	9.5	4.5	2.7
1343	187	9	<100	2.3	940	17.1	7.5	5.1
1344	148	7	<100	3.2	220	17.3	7.8	5.1
1345	110	8	<100	2.7	90	14.5	6.5	3.7
1346	217	13	<100	3.2	160	16.2	8.1	4.8
1347	135	24	<100	1.7	100	29.8	14.8	6.2
1348	145	12	<100	3.6	60	18.9	8.6	5.2
1349	92	29	<100	3.4	100	25.4	13.6	4.6
1350	334	6	<100	2.6	70	27.0	11.6	7.7
1351	149	14	<100	4.3	110	25.4	11.6	5.8
1352	116	24	<100	3.4	80	28.1	15.4	5.2
1353	143	45	<100	2.3	100	20.1	11.1	4.6
1354	283	8	<100	2.2	280	19.7	8.9	6.7

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Final : VC151802 Order: DeCoors / Hot Bath Project 1315-1391

Report File No.: 0000012407

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1355	94	21	<100	3.6	140	18.9	9.4	3.5
1356	254	7	<100	3.3	220	22.0	11.2	6.0
1357	101	14	<100	3.9	130	15.4	8.3	3.7
1358	296	5	<100	4.4	130	42.4	19.1	7.8
1359	297	8	<100	3.3	230	32.3	15.4	8.6
1360	328	31	<100	2.4	130	75.6	37.0	17.5
1361	368	12	<100	2.9	360	32.7	15.3	10.6
1362	29	2	<100	1.0	960	14.0	6.7	5.4
1363	111	3	<100	2.1	940	37.8	16.9	13.4
1364	251	7	<100	2.7	230	43.6	19.2	11.2
1365	263	7	<100	2.6	160	31.9	14.1	9.6
1366	229	21	<100	3.6	140	25.2	12.7	6.1
1367	106	9	<100	2.2	100	26.6	12.2	6.2
1368	158	7	<100	3.2	70	29.6	11.7	7.0
1369	105	17	<100	3.8	70	17.0	8.7	4.4
1370	62	28	<100	3.9	70	17.8	9.6	2.6
1371	231	12	<100	2.5	70	39.5	18.4	8.9
1372	86	47	<100	5.0	40	19.1	10.4	3.2
1373	243	46	<100	2.4	100	26.9	12.1	6.6
1374	25	31	<100	2.9	20	6.3	6.5	0.8
1375	58	49	<100	4.1	70	17.1	13.2	2.2
1376	1060	54	<100	4.7	460	161	75.6	47.8
1377	59	28	<100	4.1	60	9.6	6.5	1.8
1378	58	40	<100	5.3	120	14.1	8.0	1.8
1379	16	69	<100	2.0	40	3.6	3.9	0.3
1380	62	8	<100	4.6	320	34.2	15.2	3.7
1381	75	14	<100	6.3	230	31.9	18.1	2.7
1382	88	10	<100	6.3	460	45.4	28.7	3.7
1383	17	30	<100	4.0	320	11.3	9.2	0.9
1384	82	70	<100	5.5	300	35.3	19.4	2.8
1384 O	39	13	<100	7.6	160	14.6	9.5	1.4
1385	320	34	<100	4.4	400	46.4	19.5	11.7
1385 O	127	12	<100	8.2	390	19.2	9.2	3.5
1386	313	19	<100	5.1	1350	26.8	12.4	7.4
1386 O	168	7	<100	6.4	230	31.9	15.9	4.8
1387	251	21	<100	5.7	1530	114	59.3	20.9
1387 O	134	14	<100	9.3	240	18.9	8.2	3.7
1388	469	15	<100	4.7	860	97.3	53.7	12.7
1388 O	279	9	<100	7.1	250	24.3	9.7	5.1
1389	356	10	<100	7.1	800	120	65.1	15.5

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1389 O	357	4	<100	10.8	190	46.4	22.7	8.3
1390	275	12	<100	4.7	840	110	58.0	13.4
1390 O	303	4	<100	5.9	230	45.3	23.2	7.2
1391	44	23	<100	7.7	450	11.0	8.0	1.5

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1315	9	1.6	39.1	<1	<0.1	26.8	21	<1
1316	17	2.0	126	<1	0.1	10.4	376	<1
1317	37	5.2	47.0	<1	0.2	13.0	173	1
1318	26	3.0	72.9	<1	0.2	19.4	146	<1
1319	23	3.1	76.8	<1	0.2	6.5	242	<1
1320	16	3.9	38.4	<1	<0.1	22.3	149	<1
1321	24	3.3	35.2	<1	0.1	18.7	90	<1
1322	27	3.9	36.1	<1	0.2	10.1	128	<1
1323	12	<0.5	109	<1	<0.1	7.0	292	<1
1324	18	2.3	56.6	<1	0.1	6.2	130	<1
1325	28	4.8	23.3	<1	0.1	11.1	39	<1
1326	19	3.9	30.6	<1	<0.1	14.4	88	<1
1327	10	1.4	42.9	<1	<0.1	22.4	254	<1
1328	14	5.0	15.3	<1	0.1	4.7	63	<1
1329	8	1.0	18.2	<1	<0.1	10.1	110	<1
1330	18	7.5	16.1	<1	0.1	13.2	29	<1
1331	14	4.2	24.9	<1	<0.1	14.1	98	<1
1332	18	3.4	36.5	<1	<0.1	5.7	93	<1
1333	20	5.9	23.4	<1	0.1	9.5	36	<1
1334	29	5.0	39.8	<1	0.1	7.6	64	<1
1335	24	6.3	21.2	<1	0.2	7.3	33	<1
1336	17	3.8	23.0	<1	0.1	21.1	62	<1
1337	30	7.3	19.2	<1	0.3	8.4	25	<1
1338	11	2.8	93.5	<1	<0.1	3.5	251	1
1339	42	15.1	3.4	<1	0.2	14.1	13	<1
1340	30	5.4	24.7	<1	0.2	12.7	80	<1
1341	36	6.9	18.7	<1	<0.1	21.9	54	<1
1342	16	2.6	10.8	<1	<0.1	11.3	27	<1
1343	36	8.3	18.1	<1	0.1	16.8	87	<1
1344	22	6.0	19.0	<1	0.2	14.8	65	<1
1345	32	3.2	14.0	<1	0.2	3.2	45	<1
1346	20	4.9	17.6	<1	0.1	9.4	102	<1
1347	49	11.9	22.8	<1	0.3	18.7	37	<1
1348	32	4.4	17.8	<1	0.2	9.4	50	<1
1349	49	13.3	17.9	1	0.2	14.2	32	<1
1350	32	8.1	29.2	<1	0.2	12.6	128	<1
1351	34	7.2	20.3	<1	0.2	6.8	57	<1
1352	38	9.8	21.1	<1	0.2	7.5	45	<1
1353	49	12.7	17.8	<1	0.2	10.0	57	<1
1354	20	7.3	21.1	<1	<0.1	8.2	133	<1

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Final : VC151802 Order: DeCoors / Hot Bath Project 1315-1391

Report File No.: 0000012407

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1355	49	10.8	16.6	<1	0.3	5.6	33	<1
1356	32	5.2	24.3	<1	0.2	4.6	84	<1
1357	43	27.4	13.6	1	0.2	9.4	41	1
1358	37	16.0	39.4	<1	0.3	8.8	109	<1
1359	37	6.1	35.3	1	0.2	9.8	126	<1
1360	54	11.2	75.9	1	0.3	9.1	131	2
1361	38	9.6	42.0	<1	0.2	6.4	152	2
1362	13	3.0	18.2	<1	<0.1	15.6	22	<1
1363	12	3.4	47.1	<1	<0.1	16.6	84	<1
1364	31	8.1	44.9	<1	0.2	7.4	92	<1
1365	42	14.3	32.8	<1	0.2	4.8	98	<1
1366	51	15.7	25.2	1	0.3	7.4	93	2
1367	22	4.3	24.2	<1	0.2	5.4	40	<1
1368	17	2.7	28.6	<1	0.1	8.4	61	<1
1369	22	4.7	18.3	<1	0.2	6.2	46	<1
1370	53	14.3	11.6	<1	0.3	17.0	25	<1
1371	42	10.6	36.3	<1	0.3	5.5	102	<1
1372	48	19.5	14.7	1	0.3	15.0	35	1
1373	46	11.9	27.3	<1	0.3	10.0	126	1
1374	61	14.5	3.9	<1	0.3	9.6	12	<1
1375	74	29.1	10.3	<1	0.4	23.8	26	2
1376	65	14.6	185	<1	0.3	9.6	812	2
1377	93	25.2	7.3	<1	0.4	12.4	26	1
1378	53	14.1	8.9	<1	0.4	18.9	21	1
1379	111	31.5	1.9	<1	0.2	38.5	6	2
1380	26	3.5	21.5	<1	0.2	19.0	22	<1
1381	38	7.9	17.3	<1	0.4	9.3	29	<1
1382	19	13.3	26.0	<1	0.3	5.5	27	<1
1383	47	18.5	4.3	<1	0.2	14.0	7	<1
1384	41	8.2	20.4	<1	0.4	13.6	26	<1
1384 O	54	13.2	8.7	<1	0.4	6.8	13	<1
1385	32	27.5	48.6	<1	0.1	6.0	178	<1
1385 O	45	12.4	17.2	<1	0.4	3.8	47	<1
1386	29	3.9	33.7	<1	0.1	11.5	118	<1
1386 O	25	13.7	25.6	<1	0.3	6.6	60	<1
1387	33	8.4	111	<1	0.2	10.1	163	<1
1387 O	26	4.9	18.1	<1	0.3	4.7	48	<1
1388	17	12.3	76.4	<1	0.3	3.2	142	<1
1388 O	16	3.1	27.1	<1	0.2	2.2	107	<1
1389	14	4.9	85.8	<1	0.3	4.9	175	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1389 O	15	7.5	45.8	<1	0.2	19.6	136	<1
1390	12	8.7	73.4	<1	0.3	4.5	127	<1
1390 O	20	10.8	40.1	<1	0.3	3.2	108	<1
1391	126	22.7	7.3	<1	0.6	11.5	18	<1

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Final : VC151802 Order: DeCoors / Hot Bath Project 1315-1391

Report File No.: 0000012407

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1315	125	400	<2	1.2	69	44	0.2	<5
1316	10.2	700	<2	2.2	477	41	0.8	56
1317	4.4	900	<2	7.8	195	76	7.1	49
1318	17.8	2700	<2	1.0	222	145	3.4	52
1319	4.5	700	<2	2.4	312	48	3.5	62
1320	23.2	2300	<2	1.7	186	69	3.0	80
1321	3.5	500	<2	3.2	134	49	4.7	59
1322	4.3	600	<2	5.6	154	37	2.9	41
1323	17.7	300	<2	<0.5	392	38	0.5	31
1324	1.9	300	<2	2.5	215	27	1.8	52
1325	8.1	1400	<2	2.3	73	182	4.3	57
1326	7.1	1600	<2	2.1	104	71	4.6	46
1327	39.9	700	<2	<0.5	198	53	0.9	28
1328	6.3	500	<2	2.6	60	36	3.3	39
1329	16.2	400	<2	<0.5	76	35	0.9	33
1330	2.9	700	<2	1.5	53	36	2.5	32
1331	7.0	500	<2	2.7	95	33	2.2	25
1332	1.3	300	<2	2.9	143	27	2.3	55
1333	2.6	1100	<2	1.5	70	41	3.2	29
1334	5.5	600	<2	2.6	122	50	2.1	49
1335	3.8	400	<2	2.4	67	103	3.0	61
1336	1.0	200	<2	1.4	100	27	1.4	94
1337	0.7	500	<2	1.9	50	79	1.7	68
1338	61.2	300	<2	0.6	237	52	0.3	10
1339	2.1	200	<2	2.1	13	47	3.3	71
1340	7.3	1200	<2	2.6	84	78	6.9	43
1341	3.5	2400	<2	2.0	75	60	6.8	92
1342	6.6	500	<2	0.9	38	37	2.7	56
1343	6.9	1500	<2	9.2	82	46	5.7	42
1344	3.8	1400	<2	2.4	75	45	4.7	63
1345	0.8	300	<2	1.5	61	30	2.6	88
1346	1.2	900	<2	2.7	97	27	3.5	65
1347	4.9	3500	<2	4.1	76	87	5.3	351
1348	2.1	1200	<2	1.3	77	56	3.5	194
1349	2.6	2200	<2	2.9	63	80	4.5	167
1350	1.4	900	3	11.5	169	30	4.3	71
1351	1.0	300	<2	2.9	88	70	1.6	54
1352	1.6	400	<2	4.3	77	67	2.4	91
1353	4.9	500	2	3.0	73	72	6.5	86
1354	6.6	1300	<2	6.0	116	30	3.5	71

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Final : VC151802 Order: DeCoors / Hot Bath Project 1315-1391

Report File No.: 0000012407

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1355	2.0	300	<2	4.5	54	76	2.0	117
1356	1.1	800	3	12.8	107	36	7.6	71
1357	1.6	4000	5	10.9	55	47	17.5	54
1358	0.9	800	2	20.4	176	37	5.3	107
1359	3.2	800	2	7.8	162	47	6.2	80
1360	2.8	1200	<2	5.0	249	86	15.7	68
1361	1.6	3000	<2	13.1	196	26	6.2	71
1362	39.1	<100	<2	0.7	48	50	0.4	<5
1363	11.9	600	<2	2.8	166	39	0.3	18
1364	1.7	600	<2	6.2	167	78	8.0	62
1365	0.9	900	3	13.3	140	49	20.4	109
1366	1.4	2100	3	13.7	112	68	14.0	98
1367	4.5	500	<2	1.4	75	133	3.7	114
1368	2.9	500	<2	1.2	105	81	2.6	95
1369	3.8	400	<2	1.8	63	104	4.9	115
1370	3.1	1300	<2	5.7	35	111	4.6	84
1371	1.5	500	<2	7.7	143	77	6.7	140
1372	2.5	400	3	8.8	46	90	5.3	151
1373	11.4	1600	<2	12.3	115	108	6.8	99
1374	1.2	100	<2	3.4	15	52	2.2	50
1375	4.4	1200	2	10.5	33	80	8.0	71
1376	7.5	6500	2	21.0	891	67	5.2	111
1377	3.4	500	2	7.6	29	95	7.4	70
1378	3.3	800	<2	8.2	29	138	4.5	118
1379	8.1	900	2	17.6	6	31	3.7	80
1380	6.3	900	<2	3.5	55	38	1.6	40
1381	1.0	200	<2	5.6	53	54	1.5	51
1382	<0.5	200	<2	2.7	62	30	0.5	79
1383	1.4	500	<2	14.0	12	32	1.0	100
1384	2.2	1100	<2	7.8	57	92	1.2	117
1384 O	<0.5	600	4	10.3	23	37	2.1	40
1385	3.1	200	2	20.9	253	34	3.7	162
1385 O	<0.5	500	<2	9.9	66	53	1.5	70
1386	1.6	1100	<2	5.9	144	17	1.7	25
1386 O	0.9	1000	3	11.7	96	46	5.0	66
1387	4.6	1900	<2	4.3	359	42	0.9	90
1387 O	0.5	800	<2	4.5	63	56	2.9	45
1388	<0.5	200	<2	3.9	307	38	0.7	78
1388 O	<0.5	700	<2	3.3	119	15	1.7	46
1389	0.7	600	<2	2.0	351	36	0.7	52

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1389 O	<0.5	1000	<2	6.3	211	26	1.1	42
1390	<0.5	500	<2	2.3	274	38	0.8	59
1390 O	<0.5	300	<2	9.8	182	31	1.1	54
1391	1.1	1400	3	12.8	24	66	5.7	29

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1315	<1	11.1	<0.1	37	<0.5	12	24	<1
1316	<1	110	<0.1	107	<0.5	39	115	<1
1317	<1	44.3	<0.1	172	<0.5	37	45	<1
1318	<1	47.7	<0.1	97	<0.5	40	60	<1
1319	<1	70.1	<0.1	84	<0.5	39	73	<1
1320	<1	38.3	<0.1	55	<0.5	26	39	<1
1321	<1	27.4	<0.1	122	<0.5	32	34	<1
1322	<1	36.0	<0.1	117	<0.5	23	35	<1
1323	<1	79.1	<0.1	60	<0.5	35	95	<1
1324	<1	43.9	<0.1	123	<0.5	29	55	<1
1325	<1	13.7	<0.1	260	<0.5	19	21	<1
1326	<1	22.8	<0.1	94	<0.5	23	28	<1
1327	<1	47.3	<0.1	58	<0.5	23	38	<1
1328	<1	13.5	<0.1	41	<0.5	22	16	<1
1329	<1	17.1	<0.1	33	<0.5	13	16	<1
1330	<1	11.9	<0.1	55	<0.5	13	14	<1
1331	<1	21.2	<0.1	29	<0.5	18	23	<1
1332	<1	30.9	<0.1	146	<0.5	27	35	<1
1333	<1	14.2	<0.1	137	<0.5	19	20	<1
1334	<1	23.7	<0.1	82	<0.5	24	32	<1
1335	<1	12.8	<0.1	105	<0.5	24	16	<1
1336	<1	20.8	<0.1	180	<0.5	19	23	<1
1337	<1	10.3	<0.1	100	<0.5	24	14	<1
1338	<1	52.0	<0.1	33	<0.5	34	60	<1
1339	<1	2.7	<0.1	59	<0.5	17	3	<1
1340	<1	20.6	<0.1	75	<0.5	21	22	<1
1341	<1	15.1	<0.1	89	<0.5	22	17	<1
1342	<1	7.8	<0.1	77	<0.5	10	10	<1
1343	<1	19.2	<0.1	61	<0.5	23	20	<1
1344	<1	18.0	<0.1	105	<0.5	17	17	<1
1345	<1	13.5	<0.1	65	<0.5	13	14	<1
1346	<1	22.0	<0.1	51	<0.5	21	20	<1
1347	<1	14.4	<0.1	79	<0.5	24	21	<1
1348	<1	16.5	<0.1	92	<0.5	16	19	<1
1349	<1	11.8	<0.1	85	<0.5	23	15	<1
1350	<1	37.0	<0.1	55	<0.5	23	36	<1
1351	<1	18.5	<0.1	55	<0.5	21	21	<1
1352	<1	15.6	<0.1	70	<0.5	23	18	<1
1353	<1	15.0	<0.1	62	<0.5	23	18	<1
1354	<1	27.5	<0.1	77	<0.5	23	23	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1355	<1	11.8	<0.1	84	<0.5	13	16	<1
1356	<1	23.7	<0.1	97	<0.5	25	25	<1
1357	<1	11.7	<0.1	91	<0.5	29	13	1
1358	<1	38.8	0.2	75	<0.5	28	41	1
1359	<1	36.5	<0.1	112	<0.5	27	37	<1
1360	<1	52.0	<0.1	83	<0.5	71	66	<1
1361	<1	45.7	0.1	115	<0.5	37	44	<1
1362	<1	8.4	<0.1	56	<0.5	9	14	<1
1363	<1	29.5	<0.1	77	<0.5	19	40	<1
1364	<1	33.6	<0.1	102	<0.5	35	43	<1
1365	<1	30.3	<0.1	61	<0.5	41	35	<1
1366	<1	24.7	0.1	73	<0.5	38	26	<1
1367	<1	14.4	<0.1	100	<0.5	22	21	<1
1368	<1	21.4	<0.1	79	<0.5	19	26	<1
1369	<1	13.6	<0.1	128	<0.5	14	17	<1
1370	<1	7.2	<0.1	94	<0.5	18	10	<1
1371	<1	30.9	<0.1	86	<0.5	28	34	<1
1372	<1	11.0	<0.1	128	<0.5	20	12	<1
1373	<1	28.8	<0.1	107	<0.5	26	26	<1
1374	<1	2.8	<0.1	65	<0.5	14	3	<1
1375	<1	7.0	<0.1	179	<0.5	33	8	<1
1376	<1	211	0.2	149	<0.5	100	188	<1
1377	<1	6.4	<0.1	93	<0.5	22	7	<1
1378	<1	6.1	<0.1	108	<0.5	14	7	<1
1379	<1	1.4	<0.1	130	<0.5	15	1	2
1380	<1	10.4	<0.1	66	<0.5	21	16	<1
1381	<1	11.0	<0.1	66	<0.5	14	14	<1
1382	<1	13.6	<0.1	70	<0.5	21	18	<1
1383	<1	2.7	<0.1	88	<0.5	16	3	1
1384	<1	11.2	<0.1	92	<0.5	15	16	<1
1384 O	<1	4.8	<0.1	82	<0.5	14	7	<1
1385	<1	51.7	0.1	64	<0.5	38	50	2
1385 O	<1	15.4	<0.1	88	<0.5	18	15	<1
1386	<1	35.0	<0.1	95	<0.5	29	33	<1
1386 O	<1	21.1	<0.1	92	<0.5	21	24	<1
1387	<1	71.1	<0.1	86	<0.5	22	88	<1
1387 O	<1	15.9	<0.1	103	<0.5	21	16	<1
1388	<1	64.2	<0.1	67	<0.5	52	67	<1
1388 O	<1	29.4	<0.1	59	<0.5	25	29	<1
1389	<1	70.7	<0.1	86	<0.5	46	71	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1389 O	<1	43.8	0.1	238	<0.5	29	45	<1
1390	<1	59.7	<0.1	62	<0.5	51	60	<1
1390 O	<1	39.1	<0.1	69	<0.5	28	39	<1
1391	<1	5.2	<0.1	102	<0.5	29	6	<1

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Final : VC151802 Order: DeCoors / Hot Bath Project 1315-1391

Report File No.: 0000012407

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1315	11300	1	5.2	20	3.6	<10	<0.1	23.5
1316	1400	<1	18.0	10	15.1	370	0.5	40.2
1317	260	2	7.1	<10	30.2	1290	0.7	30.3
1318	1020	<1	11.0	<10	26.2	310	0.4	30.3
1319	320	<1	12.1	<10	19.4	480	0.4	32.2
1320	2840	<1	5.8	<10	15.4	190	<0.1	28.0
1321	600	<1	5.7	<10	24.4	600	0.3	34.5
1322	290	<1	5.4	<10	26.1	1130	0.2	20.0
1323	3020	<1	17.7	<10	9.7	130	0.3	32.8
1324	260	<1	10.0	20	15.1	310	0.3	21.9
1325	960	<1	4.1	<10	15.3	570	0.5	16.6
1326	760	<1	4.5	<10	17.2	560	0.2	19.4
1327	6230	<1	6.2	<10	11.3	190	0.2	12.1
1328	610	1	2.6	<10	14.8	590	0.2	14.2
1329	2600	<1	2.9	<10	8.1	100	<0.1	8.5
1330	410	<1	3.0	<10	3.7	220	<0.1	6.8
1331	730	<1	4.0	<10	16.3	320	<0.1	19.7
1332	170	<1	5.8	<10	15.3	630	0.4	9.3
1333	390	<1	4.2	<10	12.5	420	0.2	16.5
1334	680	<1	7.0	<10	14.6	460	0.2	20.4
1335	280	<1	4.3	<10	14.8	370	0.1	14.0
1336	100	<1	3.7	<10	12.9	380	0.5	12.4
1337	20	<1	3.8	<10	7.7	240	0.3	10.2
1338	11900	<1	13.3	<10	11.9	280	0.1	27.4
1339	220	<1	0.7	<10	6.5	350	<0.1	8.0
1340	810	<1	3.6	<10	23.3	460	<0.1	24.8
1341	360	<1	3.2	<10	23.3	430	0.1	21.0
1342	710	<1	1.7	<10	10.8	290	<0.1	8.6
1343	540	<1	2.7	<10	23.7	2080	<0.1	20.8
1344	340	<1	2.5	<10	20.3	740	<0.1	16.0
1345	110	<1	2.2	<10	15.5	360	<0.1	13.8
1346	190	<1	2.7	<10	21.1	620	<0.1	13.1
1347	150	<1	4.5	<10	26.5	470	<0.1	14.5
1348	70	<1	2.9	<10	14.4	260	<0.1	8.0
1349	100	<1	3.7	<10	16.6	390	<0.1	11.2
1350	210	<1	4.8	<10	35.7	790	<0.1	17.5
1351	50	<1	3.8	<10	12.1	370	<0.1	11.4
1352	150	<1	3.9	<10	13.4	360	<0.1	13.0
1353	610	<1	3.3	<10	20.5	400	<0.1	15.3
1354	1010	<1	3.4	<10	36.5	700	0.1	18.4

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Final : VC151802 Order: DeCoors / Hot Bath Project 1315-1391

Report File No.: 0000012407

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1355	170	<1	2.8	<10	10.0	410	<0.1	10.9
1356	80	<1	3.9	<10	25.2	530	0.1	12.6
1357	100	1	2.3	10	19.4	1430	0.2	11.9
1358	20	2	6.5	<10	24.1	840	0.3	18.9
1359	210	<1	6.0	<10	20.1	1030	0.2	14.5
1360	120	<1	12.2	<10	20.7	1080	0.2	13.5
1361	210	<1	5.9	<10	30.1	2100	0.3	18.5
1362	4170	<1	2.4	<10	5.4	40	<0.1	8.9
1363	2610	<1	6.5	<10	10.1	240	0.1	13.1
1364	140	<1	7.4	<10	14.8	840	0.2	11.3
1365	110	<1	5.2	<10	23.8	950	0.1	19.7
1366	40	<1	4.3	<10	39.9	1250	0.2	19.9
1367	420	<1	4.3	<10	19.2	300	0.1	18.1
1368	250	<1	4.9	<10	11.5	210	<0.1	8.1
1369	380	<1	2.9	<10	16.0	450	0.3	9.2
1370	230	<1	2.4	<10	18.5	320	<0.1	10.7
1371	120	<1	6.0	<10	30.4	740	0.2	17.7
1372	130	<1	2.7	<10	18.0	620	<0.1	9.2
1373	730	<1	4.4	<10	49.4	960	<0.1	22.6
1374	90	<1	0.8	<10	7.6	200	<0.1	6.3
1375	210	<1	2.0	<10	16.5	690	<0.1	12.6
1376	300	1	28.0	<10	74.6	2410	0.6	75.0
1377	110	<1	1.1	<10	15.7	620	<0.1	8.5
1378	110	<1	1.7	<10	11.5	410	<0.1	8.7
1379	620	1	0.4	<10	14.6	1070	<0.1	9.1
1380	270	<1	4.6	<10	6.4	230	0.1	9.0
1381	80	<1	4.2	<10	6.9	310	<0.1	8.7
1382	<10	<1	5.6	<10	8.1	110	<0.1	10.9
1383	100	<1	1.0	<10	3.6	400	<0.1	4.6
1384	170	<1	4.9	<10	8.8	340	<0.1	9.8
1384 O	<10	<1	1.9	<10	7.8	620	<0.1	9.2
1385	120	1	8.4	<10	13.9	1320	<0.1	7.9
1385 O	10	<1	3.0	<10	14.7	830	<0.1	13.5
1386	510	<1	5.0	<10	15.2	1380	<0.1	10.2
1386 O	30	<1	4.6	<10	22.5	710	0.2	17.0
1387	640	<1	18.8	<10	8.0	260	<0.1	11.9
1387 O	40	<1	3.0	<10	19.8	640	0.3	18.3
1388	<10	<1	15.0	<10	8.3	190	0.2	12.8
1388 O	30	<1	4.3	<10	18.0	740	0.2	14.6
1389	70	<1	17.6	<10	8.0	220	0.3	17.9

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1389 O	20	<1	8.1	<10	19.2	730	0.2	19.9
1390	30	<1	15.0	<10	8.2	220	0.2	18.6
1390 O	20	<1	7.1	<10	16.8	460	<0.1	17.0
1391	40	<1	1.4	<10	17.1	950	<0.1	13.2

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Final : VC151802 Order: DeCoors / Hot Bath Project 1315-1391

Report File No.: 0000012407

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1315	<0.5	179	11.4	680	35
1316	<0.5	590	33.9	70	135
1317	<0.5	161	11.9	100	312
1318	<0.5	391	24.1	360	96
1319	<0.5	294	18.7	40	175
1320	<0.5	185	12.4	230	116
1321	<0.5	181	10.8	110	173
1322	<0.5	132	8.7	40	232
1323	<0.5	683	35.6	30	60
1324	<0.5	271	13.5	20	143
1325	<0.5	110	7.8	260	88
1326	<0.5	139	9.3	310	106
1327	<0.5	280	11.6	50	61
1328	<0.5	81	6.1	20	86
1329	<0.5	110	6.8	20	18
1330	<0.5	97	7.1	140	59
1331	<0.5	134	8.7	30	111
1332	<0.5	169	11.5	40	102
1333	<0.5	105	9.7	70	83
1334	<0.5	223	16.0	90	98
1335	<0.5	140	11.0	50	67
1336	<0.5	116	6.6	10	72
1337	<0.5	124	11.5	80	92
1338	<0.5	614	37.3	30	90
1339	<0.5	40	7.7	620	37
1340	<0.5	105	9.5	310	205
1341	<0.5	98	8.2	290	70
1342	<0.5	48	3.1	40	62
1343	<0.5	67	5.2	160	223
1344	<0.5	69	6.2	110	126
1345	<0.5	63	5.1	20	102
1346	<0.5	86	5.6	90	90
1347	<0.5	149	10.6	580	105
1348	<0.5	92	6.8	260	95
1349	<0.5	134	10.0	580	76
1350	<0.5	132	8.2	60	452
1351	<0.5	117	9.6	110	110
1352	<0.5	139	11.9	150	111
1353	<0.5	108	8.8	120	62
1354	<0.5	81	7.1	90	244

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1355	<0.5	94	6.6	170	116
1356	<0.5	109	8.0	120	321
1357	<0.5	72	6.5	470	136
1358	<0.5	178	13.7	100	642
1359	<0.5	141	9.8	150	254
1360	<0.5	328	27.5	150	182
1361	<0.5	142	10.7	190	387
1362	<0.5	77	5.7	1110	50
1363	<0.5	211	11.3	190	170
1364	<0.5	187	13.9	50	235
1365	<0.5	134	10.5	110	433
1366	<0.5	106	9.7	200	428
1367	<0.5	118	8.6	40	98
1368	<0.5	129	8.5	60	89
1369	<0.5	88	6.3	110	87
1370	<0.5	86	7.7	500	169
1371	<0.5	181	14.2	130	227
1372	<0.5	99	8.5	70	120
1373	<0.5	120	8.0	820	490
1374	<0.5	31	5.8	210	91
1375	<0.5	89	10.7	780	130
1376	<0.5	769	55.9	590	782
1377	<0.5	38	6.8	710	148
1378	<0.5	54	6.1	1790	142
1379	<0.5	14	4.0	2260	125
1380	<0.5	144	9.9	120	140
1381	<0.5	155	11.9	40	183
1382	<0.5	219	22.4	40	196
1383	<0.5	53	7.7	100	90
1384	<0.5	167	12.6	370	210
1384 O	<0.5	69	7.3	140	214
1385	<0.5	240	11.3	40	277
1385 O	<0.5	80	7.4	170	335
1386	<0.5	123	8.6	140	303
1386 O	<0.5	135	11.6	310	460
1387	<0.5	745	34.6	120	136
1387 O	<0.5	76	5.7	190	375
1388	<0.5	526	37.5	40	192
1388 O	<0.5	101	7.1	20	292
1389	<0.5	771	43.0	50	155

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1389 O	<0.5	218	15.9	160	446
1390	<0.5	604	44.8	150	159
1390 O	<0.5	240	16.2	80	483
1391	<0.5	48	6.4	480	263

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SGS

Certificate of Analysis
Work Order : VC151803
[Report File No.: 0000012346]

Date: August 18, 2015

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

P.O. No.: DeCoors / Hot Bath Project 1391-1433
Project No.: -
Samples: 84
Received: Jul 24, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:
L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Member of the SGS Group (Société Générale de Surveillance)

SGS

Final : VC151803 Order: DeCoors / Hot Bath Project 1391-1433

Report File No.: 0000012346

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1391 O	8.4	211	<10	<0.1	350	<0.5	3	8
1392	10.5	170	<10	<0.1	90	<0.5	<2	2
1392 O	23.6	198	<10	0.1	370	<0.5	6	7
1393	3.5	317	10	<0.1	630	<0.5	3	4
1393 O	8.0	133	<10	<0.1	160	<0.5	<2	10
1394	4.1	142	<10	<0.1	90	<0.5	<2	5
1394 O	4.7	160	<10	<0.1	610	<0.5	77	15
1395	12.9	188	<10	<0.1	160	<0.5	<2	14
1395 O	2.6	278	<10	<0.1	760	<0.5	13	26
1396	1.8	251	<10	<0.1	540	<0.5	9	10
1396 O	2.9	205	<10	<0.1	650	<0.5	27	20
1397	13.4	330	<10	<0.1	890	<0.5	6	5
1397 O	5.0	209	<10	<0.1	740	<0.5	25	8
1398	1.4	265	<10	<0.1	600	<0.5	4	6
1398 O	2.9	222	<10	<0.1	570	<0.5	20	12
1399	10.7	146	<10	0.1	1400	<0.5	265	15
1399 O	4.0	100	<10	<0.1	250	<0.5	2	7
1400	4.2	218	<10	<0.1	1060	<0.5	12	8
1400 O	3.5	175	<10	<0.1	550	<0.5	43	3
1401	4.7	88	<10	<0.1	150	<0.5	<2	5
1401 O	4.7	87	<10	<0.1	160	<0.5	2	3
1402	5.2	115	<10	<0.1	150	<0.5	3	7
1402 O	4.4	138	<10	0.1	240	<0.5	<2	5
1403	20.6	133	<10	<0.1	190	<0.5	<2	3
1403 O	9.1	228	<10	0.1	620	<0.5	8	3
1404	16.8	205	<10	0.1	280	<0.5	<2	6
1404 O	5.5	111	<10	<0.1	120	<0.5	<2	5
1405	4.2	200	<10	<0.1	370	<0.5	38	21
1405 O	5.4	91	<10	<0.1	190	<0.5	3	3
1406	9.7	217	<10	<0.1	270	<0.5	<2	7
1406 O	9.3	196	<10	0.3	890	<0.5	24	5
1407	1.6	192	<10	<0.1	140	<0.5	<2	5
1407 O	3.1	166	<10	<0.1	120	<0.5	<2	5
1408	13.2	217	<10	<0.1	220	<0.5	<2	5
1408 O	5.4	219	<10	<0.1	190	<0.5	<2	10
1409	8.6	162	<10	<0.1	210	<0.5	<2	6
1409 O	4.7	123	<10	<0.1	110	<0.5	<2	6
1410	7.9	122	<10	<0.1	130	<0.5	<2	5
1411	2.6	172	<10	<0.1	350	<0.5	28	10
1411 O	8.3	107	<10	0.4	300	<0.5	8	4

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Final : VC151803 Order: DeCoors / Hot Bath Project 1391-1433

Report File No.: 0000012346

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1412	7.2	194	<10	<0.1	410	<0.5	42	13
1412 O	4.0	275	<10	<0.1	600	<0.5	3	12
1413	4.6	200	<10	<0.1	470	<0.5	68	11
1413 O	8.1	167	<10	<0.1	110	<0.5	<2	4
1414	5.8	213	<10	<0.1	330	<0.5	60	8
1414 O	2.7	229	<10	<0.1	150	<0.5	<2	5
1415	7.7	154	<10	<0.1	390	<0.5	179	15
1415 O	6.6	308	<10	<0.1	720	<0.5	4	4
1416	5.7	186	<10	<0.1	360	<0.5	93	16
1416 O	5.5	281	<10	<0.1	300	<0.5	<2	7
1417	19.9	94	<10	0.5	1490	<0.5	728	6
1417 O	3.8	335	<10	<0.1	630	<0.5	6	5
1418	4.2	148	<10	<0.1	200	<0.5	6	6
1418 O	8.7	204	<10	<0.1	260	<0.5	4	6
1419	3.6	259	<10	<0.1	260	<0.5	2	4
1419 O	4.8	163	<10	<0.1	120	<0.5	3	8
1420	6.2	274	<10	<0.1	710	<0.5	16	7
1420 O	6.2	228	<10	0.1	880	<0.5	12	10
1421	3.5	177	<10	<0.1	160	<0.5	<2	8
1421 O	7.0	159	<10	<0.1	80	<0.5	<2	9
1422	3.0	138	<10	<0.1	240	<0.5	2	2
1422 O	5.3	93	<10	<0.1	310	<0.5	126	10
1423	3.0	216	<10	<0.1	140	<0.5	<2	5
1423 O	3.3	145	<10	0.2	410	<0.5	23	19
1424	2.8	215	<10	<0.1	240	<0.5	2	4
1424 O	4.4	139	<10	<0.1	290	<0.5	<2	6
1425	7.8	121	<10	<0.1	160	<0.5	<2	6
1425 O	3.8	112	<10	<0.1	300	<0.5	222	27
1426	6.5	130	<10	<0.1	210	<0.5	4	9
1426 O	7.8	174	<10	<0.1	430	<0.5	69	6
1427	5.6	208	<10	<0.1	350	<0.5	<2	6
1427 O	11.2	133	<10	0.2	350	<0.5	204	3
1428	6.1	182	<10	<0.1	160	<0.5	4	8
1428 O	6.6	141	<10	0.1	390	<0.5	41	15
1429	11.1	147	<10	<0.1	340	<0.5	6	14
1429 O	10.3	128	<10	0.2	260	<0.5	17	4
1430	6.5	183	<10	<0.1	140	<0.5	<2	5
1430 O	13.2	85	<10	0.8	1130	<0.5	122	2
1431	5.8	175	<10	<0.1	180	<0.5	<2	6
1431 O	7.6	181	<10	0.2	620	<0.5	44	4

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1432	5.7	174	<10	<0.1	230	<0.5	<2	9
1432 O	2.8	142	<10	0.2	510	<0.5	148	6
1433	1.8	231	<10	<0.1	230	<0.5	<2	5
1433 O	3.3	168	<10	<0.1	240	<0.5	<2	11

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Final : VC151803 Order: DeCoors / Hot Bath Project 1391-1433

Report File No.: 0000012346

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1391 O	173	19	<100	7.0	390	39.8	18.3	5.3
1392	13	17	<100	7.0	70	13.5	12.8	0.7
1392 O	540	10	<100	10.2	800	94.1	49.4	10.9
1393	114	21	<100	8.2	550	23.0	12.5	3.5
1393 O	47	11	<100	5.4	210	47.1	27.7	3.7
1394	26	7	<100	8.9	310	33.5	22.4	1.9
1394 O	115	12	<100	4.2	840	118	66.1	19.0
1395	34	18	<100	9.4	760	24.9	14.7	1.8
1395 O	27	100	<100	4.1	350	19.0	16.7	1.4
1396	49	51	<100	11.4	400	18.2	13.1	1.7
1396 O	76	50	<100	4.7	1090	64.6	36.7	7.7
1397	88	28	<100	6.4	770	12.6	5.9	2.8
1397 O	194	11	<100	4.4	1510	54.3	26.2	8.2
1398	41	42	<100	5.3	100	15.0	12.5	2.3
1398 O	11	20	<100	4.3	550	22.3	16.0	1.1
1399	28	10	<100	6.4	670	34.5	21.9	6.6
1399 O	255	13	<100	10.1	400	88.9	46.2	8.7
1400	235	27	<100	7.7	290	61.1	35.1	8.1
1400 O	49	69	<100	4.0	1700	34.6	21.3	4.0
1401	84	31	<100	8.3	480	84.0	58.8	6.0
1401 O	540	5	<100	8.1	250	132	78.7	14.1
1402	262	18	<100	7.4	270	70.3	39.4	7.9
1402 O	284	6	<100	15.2	260	80.5	40.2	9.1
1403	37	8	<100	8.5	160	41.2	29.0	2.9
1403 O	452	15	<100	5.9	490	76.1	36.8	12.4
1404	120	9	<100	10.2	440	37.6	18.4	4.1
1404 O	858	5	<100	7.2	220	176	87.8	18.9
1405	65	10	<100	5.4	310	19.2	10.1	3.3
1405 O	568	12	<100	7.4	440	118	73.2	12.9
1406	38	10	<100	9.2	240	13.1	9.7	1.0
1406 O	474	16	<100	5.6	900	65.6	31.1	11.8
1407	35	15	<100	6.8	100	40.3	26.6	2.4
1407 O	24	12	<100	5.4	100	30.9	21.2	1.8
1408	176	10	<100	7.2	140	43.5	28.1	5.8
1408 O	116	21	<100	9.8	260	45.1	25.2	4.0
1409	341	14	<100	11.2	270	112	64.0	12.0
1409 O	123	17	<100	7.0	270	65.3	39.2	5.9
1410	119	15	<100	10.7	190	82.3	47.6	7.8
1411	51	15	<100	5.8	100	45.4	23.8	3.7
1411 O	341	18	<100	5.6	1510	143	96.7	13.6

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1412	107	9	<100	5.9	330	35.0	17.6	4.3
1412 O	101	13	<100	8.2	700	25.9	12.6	3.4
1413	59	18	<100	4.3	200	23.5	12.8	2.8
1413 O	83	7	<100	7.7	230	39.1	23.0	4.0
1414	72	10	<100	5.9	470	24.5	13.9	3.1
1414 O	44	9	<100	6.5	190	21.9	11.9	2.0
1415	38	17	<100	3.6	1000	22.1	13.9	2.5
1415 O	85	11	<100	10.6	440	18.1	9.3	3.0
1416	61	9	<100	6.6	1640	42.9	24.6	5.4
1416 O	41	31	<100	5.4	340	10.2	8.3	1.2
1417	74	12	<100	1.1	2610	49.5	32.6	9.0
1417 O	47	32	<100	11.1	370	9.0	5.2	1.3
1418	91	10	<100	8.9	810	54.5	30.1	5.7
1418 O	51	17	<100	5.1	450	25.2	13.7	2.7
1419	133	11	<100	4.1	320	34.1	17.7	4.8
1419 O	49	23	<100	13.6	370	35.3	20.0	3.1
1420	143	12	<100	3.9	510	18.9	8.8	4.1
1420 O	211	14	<100	7.9	400	34.1	15.0	5.0
1421	76	30	<100	8.5	330	47.8	25.3	3.8
1421 O	35	9	<100	7.9	620	35.7	21.9	2.6
1422	9	23	<100	6.5	230	6.1	7.4	0.3
1422 O	93	24	<100	4.2	1300	38.7	24.7	4.5
1423	18	47	<100	6.0	210	12.8	11.9	0.7
1423 O	365	44	<100	6.3	3280	151	92.2	15.9
1424	22	21	<100	6.5	260	8.1	7.9	0.7
1424 O	16	8	<100	9.6	130	12.5	8.7	0.8
1425	24	10	<100	10.7	180	38.7	24.6	1.7
1425 O	52	18	<100	4.1	1190	45.9	27.1	6.0
1426	197	15	<100	11.2	210	74.8	44.2	6.8
1426 O	114	39	<100	4.9	810	38.5	22.7	5.7
1427	107	13	<100	9.1	210	67.9	42.8	5.5
1427 O	74	15	<100	4.5	1760	27.7	16.4	5.0
1428	46	9	<100	7.9	140	34.5	19.7	2.7
1428 O	193	11	<100	4.8	2450	87.6	47.7	11.9
1429	139	15	<100	8.8	940	52.8	27.1	6.1
1429 O	374	15	<100	4.6	2760	131	75.8	16.5
1430	22	10	<100	8.5	220	19.9	12.2	1.1
1430 O	113	8	<100	7.0	3140	67.2	33.2	18.7
1431	30	13	<100	5.7	400	35.7	18.9	2.7
1431 O	848	20	<100	8.4	2340	109	59.1	23.1

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1432	251	16	<100	7.2	390	76.6	44.3	9.4
1432 O	76	184	<100	8.5	5020	28.4	17.3	5.0
1433	18	15	<100	9.2	180	22.6	17.4	0.9
1433 O	160	33	<100	6.0	100	83.9	46.7	8.0

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Final : VC151803 Order: DeCoors / Hot Bath Project 1391-1433

Report File No.: 0000012346

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1391 O	23	11.7	32.4	<1	0.3	5.5	57	<1
1392	53	6.2	3.3	<1	0.4	2.7	6	<1
1392 O	18	10.8	80.0	<1	0.3	6.6	186	<1
1393	47	11.4	17.3	<1	0.3	11.2	44	<1
1393 O	12	8.6	26.0	<1	0.3	2.8	12	<1
1394	20	8.4	13.7	<1	0.4	4.4	9	<1
1394 O	14	6.9	96.2	<1	0.2	5.4	121	<1
1395	43	18.4	10.8	<1	0.4	9.5	13	<1
1395 O	48	17.7	7.3	<1	0.4	12.5	12	<1
1396	71	25.2	9.0	<1	0.4	19.8	21	<1
1396 O	39	11.1	46.9	<1	0.3	11.5	41	<1
1397	89	8.4	11.8	<1	0.4	9.6	37	<1
1397 O	18	8.7	46.0	<1	0.2	5.0	81	<1
1398	97	30.8	9.4	<1	0.2	8.3	17	<1
1398 O	27	9.1	6.6	<1	0.3	7.4	3	<1
1399	24	5.5	28.9	<1	<0.1	12.7	61	<1
1399 O	20	14.8	52.3	<1	0.3	6.1	100	<1
1400	38	16.3	47.7	<1	0.3	6.1	84	<1
1400 O	52	4.1	23.4	<1	0.1	3.3	18	<1
1401	16	8.4	41.2	<1	0.4	6.8	22	<1
1401 O	10	15.5	93.8	<1	0.3	3.7	245	<1
1402	17	12.1	47.8	<1	0.2	6.9	95	<1
1402 O	28	13.3	57.8	<1	0.3	5.5	88	<1
1403	22	14.9	19.9	<1	0.4	4.6	12	<1
1403 O	16	12.4	69.4	<1	0.2	6.4	155	<1
1404	21	11.4	25.8	<1	0.3	4.3	42	<1
1404 O	14	21.1	146	<1	0.4	3.3	304	<1
1405	16	6.2	16.7	<1	0.2	11.3	26	<1
1405 O	11	12.6	83.5	<1	0.2	4.9	228	<1
1406	71	15.0	5.9	<1	0.5	3.6	16	<1
1406 O	22	11.1	67.8	<1	0.1	5.0	200	<1
1407	27	14.1	18.3	<1	0.4	8.8	12	<1
1407 O	25	10.0	11.8	<1	0.4	5.0	9	<1
1408	20	14.3	37.1	<1	0.3	3.2	63	<1
1408 O	49	19.6	30.4	<1	0.4	5.9	41	<1
1409	16	16.0	80.6	<1	0.3	6.5	101	<1
1409 O	16	13.8	36.7	<1	0.3	5.3	39	<1
1410	15	19.4	54.3	<1	0.4	4.6	37	<1
1411	19	6.9	25.8	<1	0.3	4.3	13	<1
1411 O	14	6.8	93.7	<1	0.2	3.8	180	<1

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Final : VC151803 Order: DeCoors / Hot Bath Project 1391-1433

Report File No.: 0000012346

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1412	18	6.3	27.3	<1	0.2	4.1	38	<1
1412 O	32	9.8	19.3	<1	0.3	7.6	40	<1
1413	25	8.8	16.3	<1	0.2	6.2	21	<1
1413 O	27	15.5	24.1	<1	0.4	6.5	30	<1
1414	27	10.7	18.6	<1	0.2	3.9	25	<1
1414 O	48	19.5	11.0	<1	0.4	5.1	17	<1
1415	25	11.6	14.9	<1	0.2	4.4	17	<1
1415 O	56	13.3	13.2	<1	0.4	9.9	34	<1
1416	25	8.3	28.6	<1	0.2	6.9	38	<1
1416 O	72	16.7	6.4	<1	0.4	15.6	18	<1
1417	18	2.5	40.1	<1	<0.1	2.6	44	<1
1417 O	132	27.3	6.5	1	0.4	12.5	20	<1
1418	25	8.7	33.3	<1	0.3	5.6	35	<1
1418 O	35	9.6	15.5	<1	0.3	5.3	16	<1
1419	25	6.2	26.7	<1	0.3	5.0	47	<1
1419 O	31	7.7	19.9	<1	0.3	10.9	15	<1
1420	25	4.1	18.0	<1	0.2	8.2	58	<1
1420 O	28	6.1	28.5	<1	0.2	26.0	79	<1
1421	27	17.1	24.8	<1	0.4	7.5	25	<1
1421 O	19	10.6	18.0	<1	0.3	3.3	10	<1
1422	55	11.4	2.3	<1	0.5	5.3	4	<1
1422 O	13	3.7	28.8	<1	<0.1	10.9	39	<1
1423	44	19.3	4.5	<1	0.4	6.3	7	<1
1423 O	19	4.6	99.2	<1	0.2	5.3	116	<1
1424	72	13.1	3.7	<1	0.5	11.9	10	<1
1424 O	49	9.3	3.6	<1	0.3	4.7	5	<1
1425	28	8.1	13.3	<1	0.3	5.0	8	<1
1425 O	14	2.3	30.5	<1	<0.1	9.4	37	<1
1426	25	13.5	47.8	<1	0.3	6.8	60	<1
1426 O	36	9.4	32.4	<1	0.2	7.2	46	<1
1427	40	19.6	37.7	<1	0.5	6.5	28	<1
1427 O	20	4.0	25.6	<1	<0.1	6.5	39	<1
1428	24	13.9	18.9	<1	0.4	10.2	14	<1
1428 O	12	4.0	64.1	<1	0.2	4.9	92	<1
1429	30	11.2	37.9	<1	0.4	6.2	41	<1
1429 O	15	6.4	98.2	<1	0.2	3.3	175	<1
1430	37	6.7	7.0	<1	0.3	6.3	10	<1
1430 O	12	4.0	85.1	<1	<0.1	9.6	221	<1
1431	26	10.2	16.7	<1	0.4	4.1	10	<1
1431 O	29	16.6	123	<1	0.2	9.7	343	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1432	15	12.3	61.1	<1	0.3	4.0	79	<1
1432 O	63	3.7	22.1	<1	<0.1	8.2	43	<1
1433	29	14.0	7.5	<1	0.4	8.2	7	<1
1433 O	17	9.9	54.0	<1	0.4	4.1	40	<1

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Final : VC151803 Order: DeCoors / Hot Bath Project 1391-1433

Report File No.: 0000012346

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1391 O	<0.5	400	<2	11.0	106	25	1.0	112
1392	<0.5	<100	<2	4.4	7	44	0.9	18
1392 O	<0.5	300	<2	4.4	337	20	0.2	82
1393	0.5	1400	4	12.6	62	46	4.2	32
1393 O	<0.5	200	<2	4.2	49	53	0.5	85
1394	<0.5	300	<2	5.5	21	37	0.5	67
1394 O	5.9	400	<2	3.1	309	33	0.6	52
1395	<0.5	400	3	15.0	28	50	1.0	84
1395 O	2.5	500	<2	12.5	20	58	2.1	63
1396	2.2	1800	4	28.2	29	53	4.7	62
1396 O	4.1	1500	<2	6.4	120	71	1.7	68
1397	0.5	1100	<2	9.8	42	24	4.1	11
1397 O	3.9	900	<2	5.5	151	39	0.9	50
1398	2.4	800	<2	9.0	31	40	9.1	46
1398 O	4.2	200	<2	3.2	8	69	1.1	53
1399	10.4	600	3	3.8	94	107	0.6	17
1399 O	<0.5	400	<2	1.1	200	69	<0.1	42
1400	1.0	2100	3	12.1	155	118	1.4	46
1400 O	1.1	4600	2	3.4	43	77	0.9	34
1401	<0.5	500	<2	2.3	90	178	0.4	30
1401 O	<0.5	200	<2	0.6	428	64	<0.1	55
1402	1.2	1300	<2	2.6	177	107	0.7	30
1402 O	<0.5	500	<2	2.2	193	48	0.3	24
1403	<0.5	400	<2	8.8	37	51	0.7	64
1403 O	<0.5	1100	2	4.0	285	18	2.3	53
1404	<0.5	300	<2	8.4	82	30	0.6	85
1404 O	<0.5	200	<2	1.9	590	40	0.2	100
1405	2.2	800	6	3.5	52	104	1.5	28
1405 O	0.8	400	<2	2.4	386	52	0.3	43
1406	<0.5	400	3	13.3	19	36	2.7	45
1406 O	0.6	1100	<2	3.1	275	25	0.5	22
1407	<0.5	300	2	12.4	32	24	1.6	48
1407 O	<0.5	200	<2	8.2	20	30	1.3	57
1408	<0.5	300	2	7.4	146	64	0.9	40
1408 O	<0.5	1800	3	23.8	80	60	1.7	76
1409	<0.5	500	<2	2.5	281	67	0.3	61
1409 O	<0.5	300	<2	5.5	121	47	0.6	31
1410	<0.5	200	<2	1.4	136	56	0.3	50
1411	0.9	100	<2	3.9	53	56	0.4	60
1411 O	1.0	1000	<2	4.7	348	31	0.4	51

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SGS

Final : VC151803 Order: DeCoors / Hot Bath Project 1391-1433

Report File No.: 0000012346

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1412	2.7	400	<2	4.9	90	49	0.8	54
1412 O	0.6	1500	3	9.0	60	49	2.5	63
1413	4.6	600	<2	6.7	46	61	0.8	69
1413 O	<0.5	400	<2	12.1	79	20	0.5	95
1414	1.8	500	<2	10.0	54	58	1.0	62
1414 O	0.6	400	3	25.2	32	39	1.9	60
1415	4.9	700	<2	8.5	38	74	0.6	85
1415 O	0.8	1700	3	18.2	53	55	5.5	45
1416	4.5	1500	<2	9.4	86	93	0.6	72
1416 O	1.1	600	3	18.1	21	57	3.5	35
1417	13.6	1000	<2	0.9	84	79	0.3	16
1417 O	1.6	1600	6	19.7	24	63	7.7	48
1418	0.6	500	<2	4.5	94	74	0.7	88
1418 O	<0.5	200	<2	5.5	37	26	0.9	84
1419	<0.5	200	<2	4.6	96	35	1.6	44
1419 O	1.0	1200	<2	7.0	47	58	0.5	28
1420	0.8	1100	<2	3.1	78	19	1.4	16
1420 O	0.6	900	<2	6.1	117	48	0.7	30
1421	0.8	700	<2	9.3	64	34	0.9	162
1421 O	<0.5	200	<2	4.3	37	29	0.5	40
1422	0.7	100	<2	10.0	5	44	0.6	16
1422 O	5.4	1900	5	4.5	85	44	0.8	27
1423	0.6	100	<2	18.3	9	52	1.0	72
1423 O	1.1	2400	3	3.7	318	67	0.9	52
1424	1.2	200	<2	12.8	11	29	1.6	21
1424 O	0.8	200	<2	7.9	8	34	0.6	20
1425	<0.5	200	<2	4.2	22	33	0.3	80
1425 O	5.0	1700	4	2.3	80	42	0.4	18
1426	<0.5	200	<2	1.7	156	74	0.3	30
1426 O	1.9	4700	7	9.8	91	92	1.2	20
1427	<0.5	300	3	16.6	94	74	1.6	135
1427 O	2.0	1100	12	4.9	67	21	0.7	17
1428	<0.5	200	<2	10.2	45	40	0.9	95
1428 O	1.2	600	2	2.4	213	28	0.9	39
1429	<0.5	300	<2	3.7	118	63	0.5	35
1429 O	<0.5	500	3	4.3	328	25	0.8	48
1430	<0.5	200	<2	5.6	16	30	0.7	31
1430 O	2.6	600	<2	2.1	352	19	0.4	26
1431	<0.5	200	<2	3.8	34	34	0.6	45
1431 O	1.0	2300	13	24.2	602	25	1.9	61

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Final : VC151803 Order: DeCoors / Hot Bath Project 1391-1433

Report File No.: 0000012346

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1432	<0.5	900	<2	5.1	211	45	0.8	46
1432 O	3.6	29400	13	2.8	65	43	1.1	19
1433	0.6	200	2	14.5	12	31	1.6	60
1433 O	<0.5	700	<2	4.0	165	70	1.0	59

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1391 O	<1	23.0	<0.1	87	<0.5	21	28	<1
1392	<1	1.6	<0.1	49	<0.5	14	2	<1
1392 O	<1	70.6	<0.1	98	<0.5	27	78	<1
1393	<1	13.4	<0.1	139	<0.5	34	15	<1
1393 O	<1	8.7	<0.1	64	<0.5	18	17	<1
1394	<1	3.9	<0.1	78	<0.5	16	9	<1
1394 O	<1	51.7	<0.1	56	<0.5	28	80	<1
1395	<1	5.2	<0.1	97	<0.5	17	9	1
1395 O	<1	4.0	<0.1	102	<0.5	21	6	<1
1396	<1	6.4	0.1	184	<0.5	20	8	2
1396 O	<1	21.0	<0.1	78	<0.5	23	33	<1
1397	<1	10.5	<0.1	160	<0.5	26	11	<1
1397 O	<1	33.2	<0.1	73	<0.5	35	42	<1
1398	<1	6.2	<0.1	72	<0.5	33	8	1
1398 O	<1	1.4	<0.1	98	<0.5	24	3	<1
1399	<1	18.0	<0.1	83	<0.5	15	23	<1
1399 O	<1	42.5	<0.1	74	<0.5	23	43	<1
1400	<1	34.8	<0.1	90	<0.5	37	42	<1
1400 O	<1	8.4	<0.1	59	<0.5	11	16	<1
1401	<1	14.6	<0.1	62	<0.5	37	28	<1
1401 O	<1	94.0	<0.1	72	<0.5	42	89	<1
1402	<1	37.6	<0.1	65	<0.5	36	43	<1
1402 O	<1	40.6	<0.1	104	<0.5	23	50	<1
1403	<1	7.3	<0.1	89	<0.5	23	13	<1
1403 O	<1	59.0	0.2	100	<0.5	56	70	<1
1404	<1	16.4	<0.1	80	<0.5	19	23	<1
1404 O	<1	131	<0.1	71	<0.5	28	135	<1
1405	<1	10.0	<0.1	90	<0.5	14	13	<1
1405 O	<1	81.7	<0.1	75	<0.5	59	80	<1
1406	<1	4.2	<0.1	60	<0.5	13	5	<1
1406 O	<1	63.6	<0.1	77	<0.5	34	69	<1
1407	<1	5.4	<0.1	66	<0.5	31	11	1
1407 O	<1	3.5	<0.1	49	<0.5	24	7	<1
1408	<1	28.3	<0.1	56	<0.5	29	36	<1
1408 O	<1	16.5	0.1	59	<0.5	29	24	2
1409	<1	51.7	<0.1	81	<0.5	39	68	<1
1409 O	<1	22.3	<0.1	57	<0.5	35	31	<1
1410	<1	25.0	<0.1	82	<0.5	36	39	<1
1411	<1	9.7	<0.1	50	<0.5	14	18	<1
1411 O	<1	69.1	<0.1	65	<0.5	72	80	<1

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Final : VC151803 Order: DeCoors / Hot Bath Project 1391-1433

Report File No.: 0000012346

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1412	<1	17.6	<0.1	51	<0.5	13	22	<1
1412 O	<1	13.8	0.1	98	<0.5	20	18	<1
1413	<1	9.7	<0.1	54	<0.5	13	14	<1
1413 O	<1	14.7	<0.1	72	<0.5	20	19	<1
1414	<1	10.7	<0.1	65	<0.5	14	16	1
1414 O	<1	6.2	<0.1	59	<0.5	17	9	2
1415	<1	6.9	<0.1	64	<0.5	16	12	<1
1415 O	<1	10.6	<0.1	128	<0.5	25	13	<1
1416	<1	15.7	<0.1	75	<0.5	28	22	<1
1416 O	<1	4.8	<0.1	104	<0.5	19	6	<1
1417	1	13.6	<0.1	19	<0.5	56	26	<1
1417 O	<1	5.3	<0.1	142	<0.5	23	6	<1
1418	<1	18.5	<0.1	73	<0.5	15	25	<1
1418 O	<1	7.9	<0.1	49	<0.5	19	13	<1
1419	<1	19.1	<0.1	51	<0.5	26	24	<1
1419 O	<1	8.1	<0.1	86	<0.5	17	14	<1
1420	<1	16.5	<0.1	69	<0.5	20	18	<1
1420 O	<1	25.0	<0.1	201	<0.5	22	26	<1
1421	<1	12.4	<0.1	106	<0.5	21	18	<1
1421 O	<1	5.7	<0.1	50	<0.5	20	12	<1
1422	<1	1.2	<0.1	80	<0.5	8	2	<1
1422 O	<1	15.3	<0.1	64	<0.5	29	23	<1
1423	<1	2.0	<0.1	51	<0.5	17	3	2
1423 O	<1	62.5	<0.1	54	<0.5	49	81	<1
1424	<1	2.5	<0.1	105	<0.5	12	3	<1
1424 O	<1	1.8	<0.1	68	<0.5	8	3	<1
1425	<1	4.1	<0.1	75	<0.5	12	8	<1
1425 O	<1	13.6	<0.1	56	<0.5	27	22	<1
1426	<1	31.9	<0.1	101	<0.5	15	40	<1
1426 O	<1	17.1	<0.1	55	<0.5	30	25	<1
1427	<1	18.1	<0.1	102	<0.5	32	29	1
1427 O	<1	13.4	<0.1	61	<0.5	31	21	<1
1428	<1	8.6	<0.1	90	<0.5	19	15	<1
1428 O	<1	40.2	<0.1	61	<0.5	35	52	<1
1429	<1	24.3	<0.1	69	<0.5	16	30	<1
1429 O	<1	72.4	<0.1	56	<0.5	53	86	<1
1430	<1	3.0	<0.1	56	<0.5	14	5	<1
1430 O	<1	75.6	<0.1	132	<0.5	38	82	<1
1431	<1	5.9	<0.1	37	<0.5	21	12	<1
1431 O	<1	126	0.3	108	<0.5	54	139	2

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1432	<1	42.0	<0.1	56	<0.5	34	52	<1
1432 O	<1	12.9	<0.1	102	<0.5	44	18	<1
1433	<1	2.2	<0.1	77	<0.5	23	4	1
1433 O	<1	29.3	<0.1	47	<0.5	37	46	<1

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Final : VC151803 Order: DeCoors / Hot Bath Project 1391-1433

Report File No.: 0000012346

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1391 O	30	1	6.5	10	11.5	500	0.4	14.2
1392	<10	<1	1.2	10	1.9	310	0.2	6.0
1392 O	70	<1	16.2	<10	10.8	180	0.4	23.5
1393	50	<1	3.7	<10	17.3	1020	0.3	12.4
1393 O	20	<1	6.3	<10	3.4	190	0.3	8.9
1394	<10	<1	3.9	<10	3.1	200	0.2	9.7
1394 O	820	<1	19.2	<10	4.1	140	0.1	50.7
1395	20	<1	3.2	<10	9.0	490	0.2	13.2
1395 O	360	<1	2.1	<10	7.8	620	0.1	11.8
1396	160	<1	2.2	<10	11.8	1520	0.3	10.2
1396 O	470	<1	9.1	<10	7.0	380	0.2	9.8
1397	130	<1	2.0	<10	11.1	690	0.2	8.8
1397 O	440	<1	8.4	<10	9.4	410	0.2	14.3
1398	100	<1	1.9	<10	6.2	1520	0.3	10.4
1398 O	370	<1	2.5	<10	1.1	210	<0.1	4.0
1399	1040	<1	5.4	<10	4.2	240	<0.1	125
1399 O	30	<1	12.2	<10	4.9	60	0.3	17.4
1400	80	<1	8.8	<10	13.8	990	0.3	29.7
1400 O	340	<1	5.0	<10	5.0	190	0.2	138
1401	<10	<1	11.2	<10	2.9	160	0.2	19.5
1401 O	<10	<1	19.6	<10	2.4	50	0.3	28.8
1402	<10	<1	10.6	<10	5.6	290	0.2	12.9
1402 O	<10	<1	12.0	<10	8.8	130	0.1	20.3
1403	<10	1	5.1	<10	4.2	410	0.3	10.2
1403 O	70	<1	12.2	<10	29.7	640	0.2	24.8
1404	<10	<1	5.6	<10	14.7	330	0.3	17.3
1404 O	<10	<1	27.0	<10	9.2	60	0.3	28.8
1405	210	<1	3.2	<10	5.5	310	0.2	30.6
1405 O	10	<1	18.2	<10	4.9	210	0.2	13.7
1406	10	<1	1.4	<10	13.3	650	0.2	11.0
1406 O	120	<1	10.9	<10	15.1	710	0.3	19.8
1407	<10	<1	4.5	<10	7.6	550	0.2	10.2
1407 O	<10	<1	3.5	<10	5.2	300	0.2	7.2
1408	<10	<1	7.1	<10	7.1	730	0.2	12.6
1408 O	<10	<1	6.5	<10	14.0	1090	0.2	14.7
1409	<10	<1	16.6	<10	6.6	170	0.4	18.2
1409 O	<10	<1	9.2	<10	4.1	320	0.2	11.8
1410	<10	<1	12.0	<10	4.6	90	0.3	14.1
1411	150	<1	6.5	<10	1.6	190	0.2	5.7
1411 O	100	<1	21.6	<10	4.6	330	0.2	18.5

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Final : VC151803 Order: DeCoors / Hot Bath Project 1391-1433

Report File No.: 0000012346

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1412	220	<1	5.7	<10	2.5	350	0.2	8.2
1412 O	50	<1	4.1	<10	12.5	640	0.2	11.9
1413	360	<1	3.2	<10	5.4	330	0.2	7.2
1413 O	<10	<1	5.6	<10	5.4	410	<0.1	9.7
1414	240	<1	4.0	<10	6.3	620	0.1	10.0
1414 O	20	<1	2.8	<10	6.4	820	0.3	10.5
1415	610	<1	3.2	<10	3.3	360	<0.1	9.1
1415 O	60	<1	3.0	<10	18.3	840	0.3	15.0
1416	440	<1	6.1	<10	5.6	320	0.2	14.6
1416 O	50	<1	1.4	<10	11.5	970	0.1	11.2
1417	3080	<1	7.1	<10	2.8	150	0.1	30.1
1417 O	70	<1	1.4	<10	21.1	1550	0.3	11.8
1418	60	<1	7.7	<10	3.6	190	0.3	11.7
1418 O	60	<1	3.6	<10	5.1	250	0.1	11.4
1419	40	<1	5.3	<10	8.3	220	<0.1	9.7
1419 O	20	<1	4.9	<10	4.2	420	0.2	7.6
1420	200	<1	2.9	<10	8.6	310	<0.1	6.0
1420 O	190	<1	5.4	<10	12.7	730	0.2	11.7
1421	10	<1	6.2	<10	10.8	270	0.3	11.4
1421 O	<10	<1	5.0	<10	3.5	250	0.1	9.4
1422	50	<1	0.6	<10	2.5	250	0.1	5.8
1422 O	580	<1	6.1	<10	2.7	290	0.3	19.1
1423	<10	<1	1.3	<10	5.9	610	0.1	8.1
1423 O	140	<1	21.8	<10	6.2	240	0.3	21.8
1424	30	<1	1.0	<10	4.0	430	<0.1	5.3
1424 O	<10	<1	1.3	<10	3.3	330	0.2	5.8
1425	<10	<1	4.1	<10	3.1	140	0.2	9.4
1425 O	980	<1	6.3	<10	3.2	140	0.1	40.0
1426	40	<1	10.5	<10	4.1	140	0.3	13.6
1426 O	280	<1	6.1	<10	7.0	810	0.2	22.0
1427	<10	1	8.7	<10	9.3	490	0.5	13.7
1427 O	470	<1	4.5	<10	6.9	390	0.1	45.5
1428	20	<1	4.7	<10	5.2	360	0.2	10.1
1428 O	250	<1	13.2	<10	4.2	220	0.2	37.7
1429	60	<1	7.4	<10	4.5	240	0.2	10.8
1429 O	80	<1	18.4	<10	8.5	380	0.2	62.1
1430	<10	<1	2.4	<10	3.2	300	<0.1	7.7
1430 O	740	<1	11.4	<10	27.5	180	0.1	125
1431	20	<1	4.6	<10	5.3	250	0.2	11.8
1431 O	180	<1	20.0	<10	52.3	1090	0.2	107

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1432	20	<1	12.2	<10	7.4	410	0.3	17.8
1432 O	440	<1	4.3	<10	10.4	300	0.5	138
1433	20	<1	2.4	<10	5.4	640	0.3	11.0
1433 O	10	<1	12.1	<10	4.8	250	0.2	11.0

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1391 O	<0.5	164	12.5	40	317
1392	<0.5	70	10.4	20	75
1392 O	<0.5	536	31.0	60	339
1393	<0.5	102	8.5	200	488
1393 O	<0.5	231	20.0	50	109
1394	<0.5	178	15.9	100	129
1394 O	0.5	876	38.0	100	66
1395	<0.5	105	11.1	60	281
1395 O	<0.5	93	14.7	680	194
1396	<0.5	76	10.2	240	345
1396 O	<0.5	353	24.1	910	133
1397	<0.5	49	4.7	100	245
1397 O	<0.5	270	19.4	200	195
1398	<0.5	87	12.4	280	63
1398 O	<0.5	105	11.3	300	43
1399	<0.5	299	14.4	160	59
1399 O	<0.5	429	34.0	110	137
1400	0.7	336	28.4	190	401
1400 O	<0.5	220	12.7	30	85
1401	<0.5	494	46.7	220	103
1401 O	<0.5	789	57.4	110	116
1402	<0.5	349	27.5	210	162
1402 O	<0.5	340	27.6	160	255
1403	<0.5	250	23.0	50	180
1403 O	<0.5	333	28.1	170	756
1404	<0.5	161	13.8	260	469
1404 O	<0.5	806	62.3	80	277
1405	<0.5	109	6.5	130	92
1405 O	<0.5	760	48.6	60	145
1406	<0.5	62	8.1	120	277
1406 O	<0.5	287	21.2	290	369
1407	<0.5	231	21.5	40	271
1407 O	<0.5	147	16.4	60	176
1408	<0.5	281	19.9	80	233
1408 O	<0.5	205	16.9	350	537
1409	<0.5	626	39.6	170	230
1409 O	<0.5	347	27.9	50	153
1410	<0.5	425	34.6	110	167
1411	<0.5	219	14.5	50	64
1411 O	<0.5	1080	61.1	130	140

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1412	<0.5	209	11.0	90	76
1412 O	<0.5	107	8.9	350	337
1413	<0.5	120	9.4	360	98
1413 O	<0.5	209	14.8	50	193
1414	<0.5	143	9.2	90	167
1414 O	<0.5	110	8.5	130	258
1415	<0.5	140	9.3	360	83
1415 O	<0.5	82	5.9	310	486
1416	<0.5	275	15.7	250	124
1416 O	<0.5	48	6.6	370	253
1417	<0.5	347	21.3	40	73
1417 O	<0.5	36	4.1	270	419
1418	<0.5	268	20.9	60	103
1418 O	<0.5	103	8.8	80	117
1419	<0.5	154	11.7	60	255
1419 O	<0.5	182	12.2	190	148
1420	<0.5	88	6.6	60	233
1420 O	<0.5	144	9.3	200	297
1421	<0.5	204	17.8	50	312
1421 O	<0.5	186	14.2	60	131
1422	<0.5	23	7.3	50	113
1422 O	<0.5	250	14.8	290	112
1423	<0.5	62	10.4	70	154
1423 O	<0.5	931	61.8	290	146
1424	<0.5	39	8.1	120	148
1424 O	<0.5	58	6.6	110	141
1425	<0.5	218	18.2	120	117
1425 O	<0.5	306	17.6	430	74
1426	<0.5	431	32.3	140	123
1426 O	<0.5	236	14.4	90	171
1427	0.5	378	31.6	170	340
1427 O	<0.5	159	11.1	50	185
1428	<0.5	173	14.8	140	177
1428 O	<0.5	501	29.1	60	89
1429	<0.5	273	19.1	180	122
1429 O	<0.5	741	51.1	50	192
1430	<0.5	90	7.8	110	136
1430 O	<0.5	349	27.7	130	262
1431	<0.5	141	14.4	130	131
1431 O	0.8	591	43.7	250	1130

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1432	<0.5	410	29.3	120	233
1432 O	<0.5	172	13.7	90	191
1433	<0.5	114	13.0	110	179
1433 O	<0.5	430	32.8	90	139

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SGS

Certificate of Analysis
Work Order : VC151804
[Report File No.: 0000012408]

Date: August 21, 2015

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

P.O. No.: DeCoors / Hot Bath Project 1434-1500
Project No.: -
Samples: 84
Received: Jul 24, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
83	G_LOG02	Pre-preparation processing, sorting, logging, boxing
83	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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SGS Canada Inc. | Mineral Services Suite E - 3260 Production Way Burnaby BC t(604) 638-2349 f(604) 444-5486 www.ca.sgs.com

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SGS

Final : VC151804 Order: DeCoors / Hot Bath Project 1434-1500

Report File No.: 0000012408

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1434	10.5	120	<10	<0.1	180	<0.5	<2	7
1434 O	7.8	240	<10	<0.1	290	<0.5	<2	8
1435	5.0	128	10	<0.1	120	<0.5	<2	4
1435 O	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1436	7.8	140	<10	<0.1	150	<0.5	<2	8
1436 O	3.1	199	<10	<0.1	270	<0.5	5	3
1437	9.5	172	<10	<0.1	190	<0.5	2	22
1437 O	12.6	245	<10	0.1	660	<0.5	12	8
1438	3.2	171	<10	<0.1	230	<0.5	<2	2
1438 O	12.0	264	<10	<0.1	330	<0.5	2	13
1439	9.9	203	<10	<0.1	150	<0.5	<2	10
1439 O	4.8	117	<10	<0.1	110	<0.5	<2	4
1440	6.6	221	<10	<0.1	260	<0.5	<2	5
1441	5.8	170	<10	<0.1	520	<0.5	13	17
1442	4.1	177	<10	<0.1	410	<0.5	<2	17
1442 O	8.2	142	<10	0.1	150	<0.5	<2	9
1443	4.5	249	<10	<0.1	960	<0.5	11	16
1444	13.6	74	<10	0.1	690	<0.5	23	6
1445	5.3	223	<10	<0.1	890	<0.5	19	9
1446	5.0	249	10	<0.1	520	<0.5	3	4
1447	20.5	120	<10	<0.1	270	<0.5	5	8
1448	13.1	95	<10	<0.1	480	<0.5	12	3
1449	13.4	198	<10	<0.1	210	<0.5	<2	8
1450	6.9	136	<10	<0.1	200	<0.5	<2	6
1451	10.8	145	<10	<0.1	170	<0.5	<2	4
1452	7.8	169	<10	<0.1	280	<0.5	<2	6
1453	8.4	98	<10	<0.1	200	<0.5	12	9
1454	5.1	147	<10	<0.1	240	<0.5	5	7
1455	5.9	196	<10	<0.1	240	<0.5	10	6
1456	5.4	186	<10	<0.1	240	<0.5	<2	21
1457	5.8	175	<10	<0.1	120	<0.5	<2	22
1458	13.6	126	<10	<0.1	90	<0.5	<2	8
1459	10.7	157	<10	<0.1	170	<0.5	<2	9
1460	5.2	275	<10	<0.1	410	<0.5	3	8
1461	3.2	152	<10	<0.1	110	<0.5	<2	8
1462	4.3	151	<10	<0.1	170	<0.5	<2	12
1463	7.5	170	<10	<0.1	260	<0.5	<2	4
1464	5.0	142	<10	<0.1	210	<0.5	<2	11
1465	11.8	102	<10	<0.1	130	<0.5	<2	6
1466	4.9	168	<10	<0.1	140	<0.5	<2	7

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SGS

Final : VC151804 Order: DeCoors / Hot Bath Project 1434-1500

Report File No.: 0000012408

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1467	4.7	166	<10	<0.1	180	<0.5	<2	7
1468	8.3	110	<10	<0.1	210	<0.5	10	8
1469	8.5	193	<10	<0.1	170	<0.5	<2	5
1470	3.0	156	<10	<0.1	270	<0.5	5	6
1471	11.4	125	<10	0.2	670	<0.5	93	5
1472	8.4	127	<10	<0.1	240	<0.5	7	7
1473	3.0	93	<10	<0.1	300	<0.5	9	11
1474	15.3	225	<10	<0.1	620	<0.5	4	5
1475	3.8	360	10	<0.1	1320	<0.5	13	7
1476	8.9	164	<10	<0.1	1330	<0.5	13	6
1477	2.7	154	<10	0.2	1500	<0.5	29	2
1477 O	28.9	129	<10	0.3	3050	<0.5	136	2
1478	4.5	230	<10	<0.1	520	<0.5	9	1
1478 O	6.3	245	<10	0.4	1500	<0.5	80	3
1479	8.1	135	<10	<0.1	230	<0.5	3	8
1479 O	4.8	265	<10	<0.1	550	<0.5	5	6
1480	9.6	142	<10	<0.1	150	<0.5	<2	6
1480 O	4.5	199	<10	<0.1	220	<0.5	3	5
1481	6.1	161	<10	<0.1	170	<0.5	<2	3
1482	17.9	98	20	0.3	2360	<0.5	450	30
1483	7.4	106	10	0.3	2050	<0.5	84	6
1484	5.3	97	<10	0.2	1570	<0.5	107	7
1485	4.4	104	<10	0.2	990	<0.5	18	7
1486	5.4	227	<10	<0.1	270	<0.5	3	12
1487	8.9	71	<10	<0.1	170	<0.5	3	6
1488	3.0	137	<10	<0.1	180	<0.5	<2	6
1489	6.9	138	<10	<0.1	200	<0.5	<2	4
1490	5.5	118	<10	<0.1	150	<0.5	<2	3
1491	4.2	154	<10	<0.1	140	<0.5	<2	8
1492	1.3	203	<10	<0.1	190	<0.5	<2	8
1493	9.4	153	<10	<0.1	210	<0.5	4	5
1494	10.5	167	<10	0.2	680	<0.5	9	3
1495	7.1	268	<10	<0.1	460	<0.5	<2	4
1495 O	3.1	112	<10	<0.1	270	<0.5	3	7
1496	9.3	175	<10	<0.1	180	<0.5	<2	7
1496 O	5.5	250	<10	0.2	1070	<0.5	16	4
1497	5.5	185	<10	<0.1	160	<0.5	<2	19
1497 O	7.4	148	<10	<0.1	480	<0.5	16	6
1498	12.6	161	<10	<0.1	110	<0.5	<2	4
1498 O	5.2	235	<10	<0.1	440	<0.5	39	11

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1499	20.1	162	<10	<0.1	120	<0.5	<2	8
1499 O	5.1	218	<10	<0.1	680	<0.5	14	4
1500	8.5	137	<10	<0.1	130	<0.5	<2	8
1500 O	47.8	45	<10	0.5	610	<0.5	674	1

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SGS

Final : VC151804 Order: DeCoors / Hot Bath Project 1434-1500

Report File No.: 0000012408

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1434	306	9	<100	6.6	230	77.3	40.4	9.2
1434 O	47	7	<100	7.6	230	20.0	12.1	2.7
1435	270	12	<100	6.8	180	73.1	46.1	7.9
1435 O	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1436	232	13	<100	8.9	190	78.7	39.5	7.6
1436 O	15	21	<100	4.1	210	6.3	5.4	0.5
1437	200	35	<100	5.6	380	49.5	26.8	7.2
1437 O	121	21	<100	7.6	950	24.6	10.4	4.1
1438	11	13	<100	8.0	150	3.9	3.5	0.2
1438 O	75	42	<100	9.3	520	21.7	13.0	2.3
1439	45	32	<100	10.5	230	24.3	14.0	2.0
1439 O	16	18	<100	10.0	180	12.4	11.3	0.6
1440	17	80	<100	5.0	550	7.2	5.2	0.6
1441	329	33	<100	10.4	1690	106	62.4	14.0
1442	117	17	<100	18.7	330	29.8	14.9	3.3
1442 O	174	18	<100	11.8	220	74.0	42.1	4.7
1443	110	24	<100	7.3	420	35.4	17.9	6.4
1444	348	9	<100	4.9	840	123	75.1	15.9
1445	181	22	<100	6.5	190	37.4	17.8	6.5
1446	200	14	<100	11.2	240	25.8	11.3	4.4
1447	186	10	<100	6.0	200	48.8	25.1	5.9
1448	353	16	<100	12.9	300	119	71.3	15.4
1449	79	7	<100	6.8	140	32.1	15.9	2.8
1450	384	23	<100	8.6	480	99.0	59.9	10.3
1451	169	8	<100	8.3	280	43.5	23.1	5.6
1452	173	14	<100	8.4	180	37.5	16.6	5.0
1453	206	12	<100	6.1	320	56.2	32.1	6.1
1454	183	21	<100	8.6	350	70.4	41.1	6.9
1455	128	25	<100	6.6	270	42.0	22.9	4.9
1456	18	72	<100	5.0	510	11.5	9.4	0.8
1457	55	15	<100	8.7	270	25.8	13.7	2.5
1458	154	6	<100	7.5	190	57.8	35.6	6.0
1459	162	7	<100	8.9	170	45.0	23.8	5.2
1460	140	11	<100	8.9	190	23.0	10.5	3.9
1461	64	10	<100	7.4	150	38.6	21.9	3.3
1462	55	17	<100	9.4	160	33.0	17.7	3.0
1463	158	11	<100	10.4	160	46.0	24.0	5.0
1464	231	14	<100	13.0	320	61.0	29.5	7.1
1465	490	15	<100	10.5	240	110	68.5	10.9
1466	23	48	<100	4.3	240	22.2	14.5	1.3

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Final : VC151804 Order: DeCoors / Hot Bath Project 1434-1500

Report File No.: 0000012408

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1467	45	13	<100	7.0	170	30.1	18.7	2.1
1468	409	10	<100	5.9	280	83.6	42.3	10.8
1469	29	11	<100	6.9	150	21.7	12.5	1.5
1470	13	16	<100	10.1	160	14.8	10.8	0.7
1471	357	7	<100	3.7	760	81.3	44.6	11.3
1472	420	14	<100	5.3	560	94.7	52.6	11.2
1473	920	15	<100	9.4	400	207	110	18.7
1474	53	7	<100	3.8	300	15.3	8.0	2.6
1475	217	14	<100	5.3	790	37.2	18.0	8.0
1476	612	17	<100	3.5	1220	149	90.8	19.9
1477	240	44	<100	5.9	1540	95.2	54.9	11.9
1477 O	164	20	<100	3.2	7570	65.2	33.2	24.5
1478	16	25	<100	2.8	240	6.3	4.7	0.9
1478 O	150	13	<100	5.6	1770	26.0	12.3	5.8
1479	109	14	<100	8.8	280	49.2	26.6	5.1
1479 O	41	16	<100	6.6	950	11.4	5.4	1.9
1480	14	14	<100	7.6	210	12.7	9.8	0.6
1480 O	118	9	<100	6.5	170	29.8	15.2	3.7
1481	10	15	<100	7.4	450	14.9	14.0	0.5
1482	258	64	<100	3.0	4350	31.0	20.0	5.1
1483	477	19	<100	1.8	1420	135	80.4	17.4
1484	424	16	<100	3.1	980	139	84.9	18.4
1485	561	12	<100	3.9	870	159	94.5	20.3
1486	276	13	<100	7.1	690	55.1	29.8	7.4
1487	277	16	<100	5.7	250	69.2	40.5	7.8
1488	243	28	<100	6.8	310	81.3	46.6	8.2
1489	497	32	<100	10.2	350	108	60.6	12.1
1490	342	51	<100	6.1	180	87.6	50.0	9.2
1491	89	42	<100	4.7	310	53.6	29.9	4.9
1492	89	26	<100	6.7	120	53.0	31.2	3.6
1493	820	13	<100	8.2	250	103	50.3	17.7
1494	919	20	<100	10.6	600	76.8	32.7	17.0
1495	176	18	<100	6.8	240	30.7	14.3	5.2
1495 O	611	52	<100	9.4	320	123	68.9	11.5
1496	75	19	<100	7.3	1120	53.7	36.4	4.1
1496 O	833	13	<100	8.6	400	67.2	29.1	14.0
1497	33	73	<100	8.0	380	22.3	15.1	1.6
1497 O	963	8	<100	6.5	300	108	55.3	22.3
1498	21	13	<100	6.9	110	23.7	14.8	1.2
1498 O	104	119	<100	4.3	1590	20.8	11.0	4.5

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1499	29	15	<100	7.8	150	25.7	15.7	1.9
1499 O	64	19	<100	3.1	240	18.3	8.6	3.4
1500	23	23	<100	5.6	240	9.9	8.3	0.5
1500 O	<2	24	<100	0.3	8800	4.2	3.7	1.0

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1434	16	10.3	58.9	<1	0.3	3.6	111	<1
1434 O	56	27.1	13.1	<1	0.6	2.8	20	<1
1435	17	16.0	54.2	<1	0.4	2.9	102	<1
1435 O	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1436	18	12.3	52.2	<1	0.3	3.4	69	<1
1436 O	132	32.0	3.6	<1	0.5	14.0	7	<1
1437	33	15.5	40.5	<1	0.3	6.0	62	<1
1437 O	63	10.5	19.3	<1	0.2	15.4	49	<1
1438	114	9.6	1.9	<1	0.4	6.4	5	<1
1438 O	39	10.7	12.3	<1	0.2	16.6	29	<1
1439	38	8.8	13.7	<1	0.4	7.0	15	<1
1439 O	46	7.8	4.2	<1	0.3	5.9	6	<1
1440	91	12.4	3.5	<1	0.4	12.5	8	<1
1441	15	6.3	81.9	<1	0.2	13.9	151	<1
1442	34	8.5	20.7	<1	0.2	9.7	39	<1
1442 O	33	14.7	41.6	<1	0.5	8.9	57	<1
1443	27	9.1	32.1	<1	0.3	6.1	55	<1
1444	14	5.5	93.5	<1	0.1	2.9	190	<1
1445	41	6.0	35.1	<1	0.3	2.8	57	<1
1446	37	6.3	26.1	<1	0.3	6.5	81	<1
1447	20	14.4	35.3	<1	0.3	3.6	70	<1
1448	25	13.9	99.2	<1	0.2	8.8	265	<1
1449	30	9.1	18.0	<1	0.4	3.8	25	<1
1450	23	10.6	68.1	<1	0.4	4.6	115	<1
1451	18	11.5	31.6	<1	0.3	3.6	61	<1
1452	23	9.6	29.0	<1	0.4	3.7	59	<1
1453	22	9.6	38.1	<1	0.2	5.1	71	<1
1454	24	11.8	42.2	<1	0.4	9.9	52	<1
1455	41	11.9	27.8	<1	0.3	8.4	38	<1
1456	59	12.3	4.2	<1	0.4	5.8	8	<1
1457	18	7.9	15.7	<1	0.3	5.6	16	<1
1458	17	15.5	39.4	<1	0.3	3.3	45	<1
1459	18	10.0	30.0	<1	0.3	7.2	56	<1
1460	29	8.5	19.5	<1	0.3	8.6	51	<1
1461	19	11.7	21.4	<1	0.3	6.2	20	<1
1462	28	10.7	17.9	<1	0.3	5.1	17	<1
1463	42	18.1	30.8	<1	0.3	3.5	51	<1
1464	20	12.5	44.5	<1	0.3	7.8	67	<1
1465	17	19.0	83.1	<1	0.4	5.2	164	<1
1466	52	9.2	7.5	<1	0.3	6.0	8	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1467	40	8.2	14.1	<1	0.4	6.3	15	<1
1468	19	10.4	65.4	<1	0.2	5.1	155	<1
1469	61	20.8	9.7	<1	0.5	6.0	10	<1
1470	48	6.2	4.3	<1	0.4	11.2	5	<1
1471	13	2.7	73.4	<1	<0.1	7.0	157	<1
1472	22	8.8	68.7	<1	0.3	5.8	135	<1
1473	20	10.6	156	<1	0.4	8.0	388	<1
1474	64	7.1	11.3	<1	0.2	4.8	18	<1
1475	57	9.2	37.4	<1	0.2	8.3	100	<1
1476	15	3.7	114	<1	0.2	3.7	250	<1
1477	38	3.7	72.7	<1	<0.1	7.4	85	<1
1477 O	24	3.1	85.0	<1	<0.1	5.8	216	<1
1478	92	7.2	3.9	<1	0.3	6.8	7	<1
1478 O	24	4.0	27.8	<1	<0.1	12.4	76	<1
1479	20	7.4	32.7	<1	0.2	4.6	34	<1
1479 O	62	7.4	7.5	<1	0.2	9.8	15	<1
1480	35	7.6	4.1	<1	0.3	4.3	5	<1
1480 O	27	10.6	21.8	<1	0.3	6.7	40	<1
1481	41	10.9	3.1	<1	0.4	9.1	4	<1
1482	49	4.1	26.4	<1	<0.1	12.7	64	2
1483	15	2.1	96.8	<1	0.1	2.4	193	<1
1484	13	1.7	102	<1	0.1	3.2	195	<1
1485	12	2.6	117	<1	0.1	5.7	256	<1
1486	31	15.7	46.7	<1	0.3	7.1	96	<1
1487	15	11.9	45.9	<1	0.3	2.9	120	<1
1488	16	11.5	49.2	<1	0.2	5.3	74	<1
1489	16	10.4	77.3	<1	0.2	4.5	155	<1
1490	22	12.9	59.4	<1	0.4	6.4	115	<1
1491	33	10.2	27.4	<1	0.3	7.8	27	<1
1492	25	11.7	22.9	<1	0.3	11.1	30	<1
1493	23	17.4	104	<1	0.2	6.5	288	<1
1494	35	17.0	90.9	<1	0.2	7.9	381	<1
1495	31	7.3	24.3	<1	0.3	6.8	65	<1
1495 O	38	15.3	77.8	<1	0.3	5.9	229	1
1496	41	13.7	26.9	<1	0.3	4.6	21	<1
1496 O	29	10.0	76.4	<1	0.2	6.9	365	<1
1497	30	10.6	10.6	<1	0.3	8.8	12	<1
1497 O	16	11.7	126	<1	0.1	5.1	464	<1
1498	38	14.7	8.5	<1	0.4	5.4	7	<1
1498 O	49	7.2	20.4	<1	<0.1	5.2	34	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1499	33	16.8	11.4	<1	0.4	5.7	9	<1
1499 O	21	2.7	14.7	<1	0.1	13.4	23	<1
1500	66	48.4	3.6	<1	0.4	6.4	8	<1
1500 O	15	1.9	5.0	<1	<0.1	7.1	<1	<1

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Final : VC151804 Order: DeCoors / Hot Bath Project 1434-1500

Report File No.: 0000012408

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1434	<0.5	300	<2	4.0	215	87	0.5	49
1434 O	0.6	1400	3	19.7	38	77	4.1	53
1435	<0.5	200	<2	6.7	210	39	0.5	68
1435 O	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1436	<0.5	300	<2	4.8	165	58	0.4	57
1436 O	1.8	700	3	25.8	9	51	2.6	10
1437	0.7	3600	4	12.8	133	103	1.7	29
1437 O	1.4	1500	3	9.5	71	57	1.8	29
1438	<0.5	200	<2	6.4	5	32	0.5	24
1438 O	1.1	1700	4	9.9	42	57	2.1	56
1439	<0.5	1100	3	7.5	31	53	1.4	109
1439 O	0.5	<100	<2	9.6	9	44	0.5	38
1440	1.5	200	4	8.8	9	54	1.7	23
1441	1.2	1800	6	5.8	293	143	0.9	34
1442	<0.5	500	2	4.6	65	82	0.6	24
1442 O	0.6	800	3	7.0	120	37	0.5	161
1443	1.6	1500	2	4.6	108	140	2.5	41
1444	3.2	500	<2	2.1	326	60	0.3	33
1445	2.3	100	3	1.8	119	78	1.1	73
1446	<0.5	700	4	4.8	110	62	1.8	57
1447	1.0	400	<2	7.5	130	82	0.5	39
1448	1.3	900	<2	15.3	408	97	0.9	28
1449	<0.5	100	2	6.0	58	29	0.5	79
1450	<0.5	400	2	6.4	261	119	0.6	41
1451	<0.5	300	2	3.7	126	29	0.5	56
1452	<0.5	400	2	5.0	99	40	0.5	62
1453	1.1	1900	2	5.0	149	117	0.7	31
1454	1.5	2400	3	8.1	132	88	1.4	46
1455	1.8	1100	4	10.6	87	68	1.8	42
1456	<0.5	200	4	9.3	10	68	1.4	48
1457	<0.5	600	2	3.5	40	72	0.7	53
1458	<0.5	200	<2	4.0	129	52	0.4	60
1459	<0.5	600	3	4.6	103	68	0.6	61
1460	<0.5	1100	3	8.9	72	51	1.5	50
1461	<0.5	300	2	3.7	51	50	0.8	53
1462	<0.5	400	3	4.9	43	65	0.7	54
1463	<0.5	300	<2	6.0	101	45	0.5	43
1464	<0.5	400	<2	2.0	150	60	0.4	51
1465	<0.5	400	<2	4.0	328	95	0.3	107
1466	<0.5	<100	<2	8.4	19	52	0.8	27

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Final : VC151804 Order: DeCoors / Hot Bath Project 1434-1500

Report File No.: 0000012408

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1467	0.6	500	2	7.7	33	49	0.8	70
1468	1.2	700	3	2.7	247	42	0.4	42
1469	<0.5	200	2	22.7	22	33	1.1	93
1470	1.6	200	<2	10.3	9	42	1.0	21
1471	5.9	800	<2	1.9	235	17	0.3	39
1472	0.9	300	2	6.2	260	47	0.7	65
1473	1.1	500	<2	4.2	593	71	0.4	87
1474	<0.5	300	<2	5.1	35	25	0.8	72
1475	1.0	1100	4	12.1	133	32	8.8	28
1476	0.9	700	<2	3.3	405	16	1.0	93
1477	3.2	8700	3	5.4	205	21	1.0	65
1477 O	3.2	1000	<2	7.6	336	14	0.7	20
1478	1.5	100	<2	2.8	10	54	1.7	31
1478 O	2.5	1700	2	5.4	102	17	1.7	22
1479	0.6	300	<2	2.4	93	66	0.4	32
1479 O	<0.5	500	<2	4.4	24	42	2.3	22
1480	<0.5	<100	<2	2.8	10	34	0.4	38
1480 O	0.5	500	<2	10.1	76	67	1.0	53
1481	1.6	100	<2	10.6	6	21	1.1	54
1482	21.3	11700	4	8.4	80	72	1.3	20
1483	3.0	1600	<2	2.0	312	28	0.4	57
1484	7.1	1700	<2	1.7	317	32	0.4	37
1485	2.5	1200	<2	3.1	436	28	0.5	45
1486	0.5	1300	3	18.1	173	94	1.7	76
1487	1.1	300	<2	2.3	181	138	0.4	35
1488	0.5	400	3	4.5	152	43	1.1	52
1489	0.7	500	3	3.9	294	61	0.8	59
1490	0.6	200	<2	4.9	224	131	0.6	29
1491	<0.5	1300	3	6.0	74	79	1.1	47
1492	0.6	400	4	6.9	60	49	1.7	65
1493	<0.5	800	3	5.1	487	40	0.6	43
1494	<0.5	2200	6	10.0	464	20	1.2	36
1495	0.5	900	4	5.1	99	52	1.8	54
1495 O	0.9	2100	3	26.9	343	174	1.4	46
1496	<0.5	200	3	6.5	66	46	1.0	53
1496 O	1.1	1300	4	13.5	377	34	2.3	56
1497	0.8	1100	5	8.4	22	62	1.7	54
1497 O	<0.5	900	7	4.6	569	9	1.5	48
1498	<0.5	<100	3	9.8	17	45	1.0	48
1498 O	1.5	11600	6	4.9	58	53	5.9	35

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1499	0.7	200	2	8.6	26	78	1.0	35
1499 O	1.1	3200	3	2.1	47	19	1.4	39
1500	0.5	1000	6	32.0	11	67	1.7	56
1500 O	20.2	500	<2	<0.5	5	29	<0.1	<5

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1434	<1	52.7	<0.1	72	<0.5	29	49	<1
1434 O	<1	8.5	<0.1	75	<0.5	24	10	1
1435	<1	48.7	<0.1	50	<0.5	41	47	<1
1435 O	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1436	<1	35.7	<0.1	85	<0.5	26	43	<1
1436 O	<1	1.9	<0.1	106	<0.5	16	3	2
1437	<1	30.0	<0.1	58	<0.5	50	33	<1
1437 O	<1	15.7	<0.1	175	<0.5	21	17	<1
1438	<1	1.2	<0.1	86	<0.5	8	2	<1
1438 O	<1	9.9	<0.1	183	<0.5	21	10	<1
1439	<1	6.4	<0.1	116	<0.5	16	10	<1
1439 O	<1	2.1	<0.1	68	<0.5	10	3	<1
1440	<1	1.9	<0.1	102	<0.5	12	3	<1
1441	<1	64.8	<0.1	132	<0.5	55	69	<1
1442	<1	15.8	<0.1	139	<0.5	16	17	<1
1442 O	<1	26.7	<0.1	111	<0.5	14	31	<1
1443	<1	24.0	<0.1	93	<0.5	19	28	<1
1444	<1	72.2	<0.1	62	<0.5	46	77	<1
1445	<1	26.1	<0.1	58	<0.5	15	28	<1
1446	<1	26.6	<0.1	108	<0.5	18	25	<1
1447	<1	30.1	<0.1	60	<0.5	24	29	<1
1448	<1	96.5	<0.1	124	<0.5	52	89	<1
1449	<1	11.9	<0.1	103	<0.5	16	16	<1
1450	<1	57.7	<0.1	61	<0.5	53	59	<1
1451	<1	26.7	<0.1	77	<0.5	24	28	<1
1452	<1	24.4	<0.1	93	<0.5	21	25	<1
1453	<1	29.9	<0.1	82	<0.5	41	32	<1
1454	<1	29.1	<0.1	87	<0.5	54	34	<1
1455	<1	19.0	<0.1	77	<0.5	40	24	<1
1456	<1	2.4	<0.1	84	<0.5	18	3	<1
1457	<1	8.5	<0.1	88	<0.5	22	11	<1
1458	<1	26.3	<0.1	79	<0.5	32	30	<1
1459	<1	23.9	<0.1	94	<0.5	24	26	<1
1460	<1	17.3	<0.1	100	<0.5	20	18	<1
1461	<1	10.8	<0.1	79	<0.5	23	14	<1
1462	<1	8.5	<0.1	75	<0.5	17	13	<1
1463	<1	22.5	<0.1	76	<0.5	21	25	<1
1464	<1	35.6	<0.1	100	<0.5	23	38	<1
1465	<1	76.7	<0.1	85	<0.5	34	71	<1
1466	<1	3.7	<0.1	41	<0.5	15	6	<1

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Final : VC151804 Order: DeCoors / Hot Bath Project 1434-1500

Report File No.: 0000012408

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1467	<1	7.4	<0.1	70	<0.5	14	10	<1
1468	<1	58.8	<0.1	68	<0.5	29	57	<1
1469	<1	4.5	<0.1	80	<0.5	13	7	1
1470	<1	1.8	<0.1	90	<0.5	12	3	<1
1471	<1	51.4	<0.1	90	<0.5	48	58	<1
1472	<1	58.2	<0.1	81	<0.5	40	58	<1
1473	<1	145	<0.1	139	<0.5	39	132	<1
1474	<1	7.4	<0.1	67	<0.5	17	9	<1
1475	<1	31.8	<0.1	98	<0.5	32	35	<1
1476	<1	97.4	<0.1	72	<0.5	73	94	<1
1477	<1	42.4	<0.1	85	<0.5	46	55	<1
1477 O	1	76.3	<0.1	70	<0.5	88	80	<1
1478	<1	2.2	<0.1	67	<0.5	12	3	<1
1478 O	<1	23.6	<0.1	103	<0.5	33	26	<1
1479	<1	19.9	<0.1	81	<0.5	18	25	<1
1479 O	<1	5.2	<0.1	79	<0.5	21	6	<1
1480	<1	1.7	<0.1	58	<0.5	12	3	<1
1480 O	<1	17.5	<0.1	86	<0.5	22	19	<1
1481	<1	1.1	<0.1	69	<0.5	17	2	<1
1482	1	16.4	0.2	97	<0.5	57	20	<1
1483	<1	71.6	<0.1	27	<0.5	74	72	<1
1484	<1	71.0	<0.1	44	<0.5	77	76	<1
1485	<1	102	<0.1	56	<0.5	80	96	<1
1486	<1	38.7	<0.1	84	<0.5	33	43	1
1487	<1	43.8	<0.1	48	<0.5	37	38	<1
1488	<1	35.5	<0.1	76	<0.5	41	40	<1
1489	<1	70.1	<0.1	97	<0.5	45	67	<1
1490	<1	54.9	<0.1	60	<0.5	41	51	<1
1491	<1	15.7	<0.1	53	<0.5	32	20	<1
1492	<1	12.7	<0.1	92	<0.5	37	17	<1
1493	<1	117	<0.1	91	<0.5	34	104	<1
1494	<1	121	<0.1	119	<0.5	33	96	<1
1495	<1	22.8	<0.1	79	<0.5	31	22	<1
1495 O	<1	82.3	<0.1	89	<0.5	43	70	2
1496	<1	12.1	<0.1	62	<0.5	23	19	<1
1496 O	<1	100	<0.1	106	<0.5	34	82	<1
1497	<1	4.7	<0.1	82	<0.5	21	7	<1
1497 O	<1	145	<0.1	99	<0.5	64	125	<1
1498	<1	3.0	<0.1	69	<0.5	19	6	<1
1498 O	<1	13.1	<0.1	73	<0.5	44	16	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1499	<1	4.6	<0.1	71	<0.5	25	8	<1
1499 O	<1	9.4	<0.1	66	<0.5	25	12	<1
1500	<1	2.3	<0.1	59	<0.5	12	3	3
1500 O	2	0.5	<0.1	11	<0.5	71	2	<1

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Final : VC151804 Order: DeCoors / Hot Bath Project 1434-1500

Report File No.: 0000012408

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1434	<10	1	10.8	60	6.0	210	0.2	11.3
1434 O	10	2	2.6	30	10.6	890	0.2	11.8
1435	<10	<1	10.3	30	9.2	240	0.2	14.3
1435 O	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1436	<10	<1	10.7	20	8.2	200	0.3	14.2
1436 O	60	2	0.7	20	5.9	1040	0.1	6.6
1437	<10	<1	7.0	10	9.5	1130	0.3	11.7
1437 O	190	<1	3.6	<10	13.5	620	0.2	10.4
1438	<10	<1	0.4	20	3.9	230	<0.1	4.7
1438 O	40	<1	2.6	<10	10.7	590	0.2	9.2
1439	<10	<1	3.3	<10	9.1	250	<0.1	9.1
1439 O	<10	<1	1.2	10	4.4	300	0.1	6.2
1440	<10	<1	0.8	10	7.6	200	0.1	13.5
1441	50	<1	15.2	<10	8.7	450	0.3	116
1442	<10	<1	4.0	<10	7.6	220	0.3	9.7
1442 O	<10	<1	9.3	20	13.7	160	0.3	19.1
1443	90	<1	5.0	<10	9.0	440	0.2	12.5
1444	100	<1	16.7	10	6.7	170	<0.1	25.6
1445	180	<1	5.9	10	5.4	130	0.1	15.9
1446	<10	<1	4.4	<10	14.0	290	0.2	11.6
1447	20	<1	6.6	<10	5.7	430	0.1	9.7
1448	20	<1	16.4	<10	7.4	1140	0.2	14.8
1449	<10	<1	4.4	<10	7.0	280	0.2	9.9
1450	<10	<1	13.2	<10	7.9	330	0.3	14.3
1451	<10	<1	6.3	<10	6.4	200	<0.1	12.3
1452	<10	<1	5.4	<10	9.7	220	<0.1	12.7
1453	50	<1	7.9	<10	4.3	390	0.1	12.0
1454	20	<1	8.6	<10	6.6	640	0.4	13.0
1455	60	<1	5.7	<10	11.9	730	0.2	12.2
1456	<10	<1	1.1	<10	6.3	540	0.2	7.7
1457	<10	<1	3.4	<10	5.8	210	0.1	6.5
1458	<10	<1	7.9	<10	4.4	220	0.1	10.3
1459	<10	<1	6.4	<10	7.6	210	0.2	9.1
1460	<10	<1	3.5	<10	16.0	530	0.1	9.9
1461	<10	<1	4.8	<10	6.3	270	0.1	7.7
1462	10	<1	4.1	<10	5.6	270	0.2	7.5
1463	10	<1	6.4	<10	9.8	300	0.1	12.7
1464	<10	<1	9.1	<10	8.1	120	0.3	13.6
1465	<10	<1	15.0	<10	8.2	170	0.2	15.9
1466	10	<1	2.1	<10	3.9	340	0.1	5.7

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Final : VC151804 Order: DeCoors / Hot Bath Project 1434-1500

Report File No.: 0000012408

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1467	<10	<1	3.4	<10	4.8	280	0.1	7.1
1468	80	<1	12.8	<10	10.4	200	0.1	12.8
1469	<10	2	2.4	10	8.4	700	0.1	8.5
1470	70	<1	1.4	10	3.1	460	0.2	4.5
1471	650	<1	11.9	<10	14.3	130	0.2	13.4
1472	60	<1	13.5	10	8.0	350	0.3	10.6
1473	40	<1	27.5	<10	14.2	150	0.4	23.1
1474	60	<1	2.1	<10	3.9	290	0.1	5.1
1475	160	<1	5.9	<10	16.4	1130	0.2	11.5
1476	540	<1	21.3	<10	12.0	320	0.3	16.6
1477	630	<1	13.8	<10	12.1	480	0.5	18.1
1477 O	3070	<1	11.0	<10	11.1	1990	0.1	25.0
1478	170	<1	0.7	<10	2.5	180	<0.1	3.3
1478 O	490	<1	4.2	<10	17.4	940	0.1	10.3
1479	20	<1	6.8	<10	3.4	150	0.1	8.9
1479 O	60	<1	1.5	<10	6.7	480	0.1	6.0
1480	<10	<1	1.2	<10	4.5	110	<0.1	5.2
1480 O	<10	<1	4.3	<10	8.3	540	0.1	7.4
1481	20	<1	1.3	<10	2.8	460	<0.1	5.2
1482	6370	<1	4.5	10	5.1	610	0.4	24.0
1483	2120	<1	17.4	<10	8.1	200	0.3	16.9
1484	1550	<1	18.7	10	7.1	180	0.3	11.5
1485	330	<1	21.2	<10	5.8	240	0.3	12.7
1486	<10	<1	8.4	<10	14.0	810	0.2	13.1
1487	<10	<1	9.6	<10	5.8	160	0.1	9.4
1488	<10	<1	10.7	<10	10.1	350	0.3	10.2
1489	10	<1	14.9	<10	9.9	290	0.2	12.2
1490	<10	<1	11.8	<10	9.3	250	0.2	12.1
1491	<10	<1	6.6	<10	8.6	320	0.1	10.8
1492	<10	<1	6.1	<10	10.4	440	<0.1	9.2
1493	<10	<1	16.4	<10	16.1	410	0.2	21.6
1494	20	<1	12.7	<10	28.3	870	0.2	43.8
1495	<10	<1	4.6	<10	14.6	380	0.2	11.6
1495 O	<10	1	16.3	<10	10.1	1370	0.6	22.0
1496	<10	<1	6.7	<10	10.2	420	0.2	28.8
1496 O	50	<1	11.6	<10	32.2	1400	0.5	28.2
1497	<10	<1	2.5	<10	6.0	500	0.1	6.3
1497 O	30	<1	19.1	<10	27.5	640	0.2	29.6
1498	<10	<1	2.4	<10	5.5	510	0.1	7.4
1498 O	130	<1	3.2	<10	13.2	520	0.2	13.2

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1499	<10	<1	2.8	<10	5.2	440	0.2	7.3
1499 O	150	<1	2.5	<10	4.4	280	0.2	4.6
1500	<10	2	0.9	<10	5.4	1940	<0.1	8.3
1500 O	3170	<1	0.5	<10	1.7	20	<0.1	2.3

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Final : VC151804 Order: DeCoors / Hot Bath Project 1434-1500

Report File No.: 0000012408

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1434	0.6	389	33.1	130	142
1434 O	0.5	96	9.6	190	223
1435	<0.5	445	38.2	120	251
1435 O	LNR	LNR	LNR	LNR	LNR
1436	0.7	390	31.0	150	203
1436 O	0.6	31	6.1	180	164
1437	<0.5	241	21.3	340	272
1437 O	<0.5	93	7.1	120	270
1438	<0.5	17	3.9	80	108
1438 O	<0.5	105	9.9	160	244
1439	<0.5	111	11.2	240	238
1439 O	<0.5	71	9.3	40	145
1440	<0.5	30	5.4	160	168
1441	0.7	688	46.2	430	205
1442	<0.5	137	12.2	480	170
1442 O	<0.5	365	31.8	100	348
1443	<0.5	185	14.7	410	159
1444	<0.5	855	58.2	150	96
1445	<0.5	187	12.2	70	71
1446	<0.5	104	8.0	240	355
1447	<0.5	252	19.4	80	133
1448	0.6	843	58.4	150	224
1449	<0.5	138	11.7	130	179
1450	<0.5	568	49.3	300	255
1451	<0.5	225	16.9	60	142
1452	<0.5	155	12.2	160	264
1453	<0.5	316	22.5	130	99
1454	<0.5	372	34.6	370	170
1455	<0.5	193	17.3	240	260
1456	<0.5	50	8.3	240	160
1457	<0.5	116	10.8	280	145
1458	<0.5	326	28.8	130	130
1459	<0.5	215	17.6	190	207
1460	<0.5	92	7.8	380	454
1461	<0.5	183	18.2	120	139
1462	<0.5	145	14.0	160	142
1463	<0.5	203	17.2	110	246
1464	<0.5	250	22.1	260	201
1465	<0.5	680	52.9	180	198
1466	<0.5	104	11.8	160	91

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Final : VC151804 Order: DeCoors / Hot Bath Project 1434-1500

Report File No.: 0000012408

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1467	<0.5	153	13.9	140	121
1468	<0.5	421	27.8	110	183
1469	<0.5	96	10.1	40	248
1470	<0.5	69	9.3	40	87
1471	<0.5	501	33.0	90	247
1472	<0.5	544	35.8	100	147
1473	<0.5	1270	80.1	180	255
1474	<0.5	73	6.1	60	69
1475	<0.5	175	12.6	100	343
1476	<0.5	962	65.9	60	152
1477	<0.5	573	37.1	40	163
1477 O	<0.5	347	26.4	60	168
1478	<0.5	31	4.4	320	37
1478 O	0.6	133	9.5	140	333
1479	<0.5	259	20.9	120	82
1479 O	<0.5	48	4.4	260	107
1480	<0.5	57	8.6	90	114
1480 O	<0.5	149	10.5	120	214
1481	<0.5	85	13.5	60	89
1482	<0.5	218	16.8	240	190
1483	<0.5	1000	59.9	110	85
1484	<0.5	1020	63.4	140	81
1485	<0.5	1090	70.7	100	97
1486	<0.5	293	22.8	250	447
1487	<0.5	392	30.1	80	106
1488	<0.5	438	37.1	110	187
1489	<0.5	603	47.0	180	201
1490	<0.5	476	41.3	90	180
1491	<0.5	229	25.5	140	166
1492	<0.5	240	25.9	120	209
1493	<0.5	488	37.1	140	323
1494	<0.5	315	26.5	260	617
1495	<0.5	134	10.4	180	271
1495 O	<0.5	663	53.5	200	333
1496	<0.5	309	30.1	110	175
1496 O	<0.5	295	22.2	70	709
1497	<0.5	109	13.8	220	177
1497 O	<0.5	563	42.1	50	567
1498	<0.5	107	13.6	80	128
1498 O	<0.5	101	8.3	80	196

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1499	<0.5	126	14.4	130	134
1499 O	<0.5	85	6.6	20	59
1500	<0.5	55	8.2	70	172
1500 O	<0.5	35	3.8	60	17

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Certificate of Analysis
Work Order : VC151805
[Report File No.: 0000012409]

Date: August 21, 2015

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

P.O. No.: DeCoors / Hot Bath Project 1501-1542
Project No.: -
Samples: 84
Received: Jul 24, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:
L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Member of the SGS Group (Société Générale de Surveillance)

SGS

Final : VC151805 Order: DeCoors / Hot Bath Project 1501-1542

Report File No.: 0000012409

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1501	8.9	182	<10	<0.1	210	<0.5	<2	5
1501 O	3.4	261	<10	<0.1	310	<0.5	14	6
1502	8.3	185	<10	0.1	170	<0.5	<2	8
1502 O	4.9	116	<10	0.2	180	<0.5	<2	3
1503	7.1	215	<10	0.1	470	<0.5	10	11
1503 O	13.9	86	<10	1.0	3180	<0.5	554	11
1504	12.3	111	<10	<0.1	60	<0.5	<2	4
1504 O	6.0	132	<10	0.3	2790	<0.5	244	4
1505	16.4	120	<10	<0.1	80	<0.5	<2	7
1505 O	21.4	97	<10	0.6	710	<0.5	162	3
1506	5.5	180	<10	<0.1	180	<0.5	<2	6
1506 O	26.5	83	<10	0.6	2480	<0.5	268	13
1507	4.9	129	<10	0.1	190	<0.5	<2	13
1507 O	28.6	47	<10	1.3	3480	<0.5	692	9
1508	3.6	201	<10	<0.1	2030	<0.5	42	11
1508 O	13.3	83	<10	0.2	1020	<0.5	910	3
1509	12.3	138	<10	<0.1	200	<0.5	<2	5
1509 O	3.8	273	<10	0.1	480	<0.5	10	4
1510	10.9	72	<10	<0.1	220	<0.5	3	7
1510 O	5.9	133	<10	0.1	390	<0.5	56	2
1511	9.6	106	<10	<0.1	500	<0.5	<2	9
1511 O	15.5	113	<10	0.8	390	<0.5	133	3
1512	13.8	195	<10	<0.1	280	<0.5	<2	4
1512 O	5.9	183	<10	0.1	2060	<0.5	39	7
1513	10.3	92	<10	0.1	2280	<0.5	31	9
1513 O	11.4	177	<10	0.1	400	<0.5	2	8
1514	1.6	110	<10	<0.1	590	<0.5	6	10
1514 O	8.6	66	<10	0.2	60	<0.5	<2	1
1515	3.7	184	<10	0.1	810	<0.5	15	6
1515 O	3.3	255	<10	<0.1	380	<0.5	6	7
1516	10.2	184	<10	0.2	3490	<0.5	85	9
1516 O	11.1	113	<10	<0.1	170	<0.5	6	8
1517	4.9	194	<10	0.1	1940	<0.5	20	26
1517 O	1.8	71	<10	<0.1	200	<0.5	13	10
1518	8.7	195	<10	0.7	1670	<0.5	<2	16
1518 O	3.0	377	<10	0.9	720	0.8	8	2
1519	3.0	173	<10	<0.1	530	<0.5	8	<1
1519 O	13.9	129	<10	0.7	610	<0.5	254	3
1520	1.0	191	<10	<0.1	410	<0.5	12	3
1520 O	4.5	259	<10	0.1	350	<0.5	15	3

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Final : VC151805 Order: DeCoors / Hot Bath Project 1501-1542

Report File No.: 0000012409

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1521	16.4	85	<10	0.5	2160	<0.5	61	9
1521 O	6.9	197	<10	0.2	270	<0.5	21	5
1522	5.1	151	<10	0.1	410	<0.5	9	7
1522 O	5.1	126	<10	0.2	370	<0.5	218	7
1523	7.8	179	<10	<0.1	360	<0.5	12	7
1523 O	5.5	120	<10	<0.1	220	<0.5	4	5
1524	6.3	133	<10	<0.1	790	<0.5	19	3
1524 O	4.8	211	<10	0.1	340	<0.5	11	4
1525	5.5	131	<10	<0.1	270	<0.5	4	3
1525 O	4.5	120	<10	0.2	550	<0.5	13	2
1526	2.7	233	<10	0.4	1280	<0.5	13	3
1526 O	9.0	143	<10	0.4	430	<0.5	43	3
1527	5.2	107	<10	<0.1	70	<0.5	<2	4
1527 O	7.7	269	<10	0.2	260	<0.5	9	4
1528	1.6	220	<10	<0.1	370	<0.5	<2	<1
1528 O	14.0	184	<10	0.2	230	<0.5	2	2
1529	1.1	176	<10	<0.1	190	<0.5	<2	<1
1529 O	21.3	112	<10	0.5	750	<0.5	15	4
1530	2.0	276	<10	<0.1	390	<0.5	2	3
1530 O	2.6	274	<10	<0.1	890	<0.5	20	21
1531	15.7	147	<10	<0.1	110	<0.5	<2	5
1531 O	3.7	311	<10	0.6	410	<0.5	16	3
1532	5.2	276	<10	<0.1	810	<0.5	<2	3
1532 O	1.6	288	<10	<0.1	630	<0.5	4	7
1533	5.3	263	<10	<0.1	570	<0.5	<2	10
1533 O	2.0	235	<10	<0.1	370	<0.5	4	9
1534	2.5	235	<10	0.1	200	<0.5	<2	10
1534 O	1.6	178	<10	<0.1	400	<0.5	<2	6
1535	6.4	203	<10	0.1	270	<0.5	<2	11
1535 O	4.0	249	<10	<0.1	410	<0.5	6	5
1536	2.4	166	<10	<0.1	240	<0.5	<2	8
1536 O	3.1	302	<10	<0.1	630	<0.5	8	7
1537	4.9	159	<10	<0.1	230	<0.5	<2	3
1537 O	2.9	297	<10	<0.1	470	<0.5	11	6
1538	5.4	145	<10	0.3	390	<0.5	48	2
1538 O	2.4	246	<10	<0.1	2110	<0.5	49	5
1539 LG	15.5	77	<10	0.2	320	<0.5	102	5
1539 O	6.2	316	<10	<0.1	2430	<0.5	36	2
1540 LG	17.9	74	<10	0.5	1230	<0.5	237	3
1540 O	5.7	264	<10	<0.1	1350	<0.5	68	4

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1541	1.7	308	<10	<0.1	300	<0.5	6	3
1541 O	4.8	248	<10	0.3	1120	<0.5	58	1
1542	3.1	356	10	0.5	300	0.6	17	4
1542 O	4.8	119	<10	<0.1	1530	<0.5	234	1

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Final : VC151805 Order: DeCoors / Hot Bath Project 1501-1542

Report File No.: 0000012409

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1501	24	14	<100	5.9	200	15.6	10.4	1.3
1501 O	82	19	<100	3.1	840	30.1	15.2	4.8
1502	16	34	<100	7.1	220	13.6	10.0	1.0
1502 O	629	9	<100	11.3	2130	232	138	21.6
1503	220	14	<100	7.6	410	47.9	26.9	7.3
1503 O	236	217	<100	2.4	5780	24.4	16.2	8.1
1504	9	7	<100	7.7	100	8.0	7.9	0.3
1504 O	87	13	<100	7.3	2200	39.0	24.4	8.5
1505	32	14	<100	7.3	350	40.2	26.1	2.2
1505 O	76	11	<100	8.0	1200	54.6	36.8	9.6
1506	51	20	<100	4.9	610	32.7	21.5	3.2
1506 O	547	90	<100	5.4	5190	79.7	54.7	15.4
1507	97	23	<100	5.6	420	56.2	37.7	4.4
1507 O	108	96	<100	1.8	9310	49.2	29.7	15.0
1508	61	11	<100	5.9	190	18.8	10.5	3.0
1508 O	178	24	<100	0.9	3940	91.9	61.1	20.9
1509	91	6	<100	8.1	140	31.6	16.8	3.1
1509 O	185	15	<100	4.4	670	35.1	18.7	6.3
1510	156	6	<100	11.0	200	53.5	33.2	4.8
1510 O	161	17	<100	3.7	550	26.6	12.7	6.9
1511	705	14	<100	10.7	280	150	83.1	19.0
1511 O	155	5	<100	8.8	1630	136	93.1	22.4
1512	55	7	<100	8.1	110	16.3	8.4	1.9
1512 O	427	131	<100	4.0	1410	174	108	27.8
1513	271	17	<100	5.8	1070	144	96.0	19.8
1513 O	351	9	<100	10.3	200	72.4	38.6	10.3
1514	225	58	<100	4.0	720	90.9	57.2	9.7
1514 O	189	3	<100	10.3	490	88.4	57.4	9.0
1515	158	10	<100	6.2	460	35.6	17.7	6.0
1515 O	189	9	<100	6.1	320	30.4	16.5	6.6
1516	421	13	<100	5.9	780	185	107	47.0
1516 O	640	7	<100	10.0	430	120	66.9	16.8
1517	372	41	<100	5.7	950	131	73.8	26.0
1517 O	88	156	<100	8.5	830	43.7	26.2	4.8
1518	566	76	<100	6.0	1390	266	171	47.2
1518 O	1230	35	<100	5.8	3760	91.3	45.4	14.8
1519	10	28	<100	1.3	180	1.7	1.2	0.2
1519 O	76	19	<100	7.6	4290	58.1	36.9	15.5
1520	15	22	<100	0.7	150	7.1	5.5	0.5
1520 O	170	14	<100	7.6	760	32.4	15.1	6.1

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1521	119	5	<100	6.8	1340	89.6	56.0	15.2
1521 O	105	117	<100	8.9	3350	61.4	40.8	10.0
1522	53	8	<100	7.9	190	28.9	15.0	3.8
1522 O	54	23	<100	7.8	2210	30.2	18.2	6.2
1523	32	20	<100	4.7	270	10.7	6.3	1.4
1523 O	222	90	<100	5.8	2860	107	66.7	13.2
1524	291	13	<100	4.2	470	99.9	53.2	18.0
1524 O	236	37	<100	9.6	1540	68.3	39.5	11.3
1525	127	15	<100	7.2	110	46.8	27.6	5.5
1525 O	279	28	<100	5.4	8400	184	117	25.8
1526	450	38	<100	5.7	830	49.8	22.9	11.3
1526 O	266	26	<100	9.8	9240	134	88.7	25.2
1527	44	9	<100	9.3	110	47.5	30.5	2.8
1527 O	395	10	<100	6.1	1100	44.7	23.2	9.1
1528	14	23	<100	3.3	80	3.5	2.5	0.4
1528 O	383	15	<100	11.1	2110	78.3	37.6	9.9
1529	10	10	<100	1.8	30	1.7	1.7	<0.2
1529 O	182	23	<100	4.8	11900	185	130	23.7
1530	49	36	<100	7.4	230	11.1	7.3	1.7
1530 O	203	75	<100	5.5	1630	114	68.6	16.9
1531	24	10	<100	10.7	200	19.1	15.1	1.0
1531 O	339	23	<100	13.1	630	42.5	22.9	8.6
1532	54	41	<100	7.1	70	10.1	6.6	1.9
1532 O	107	9	<100	6.2	290	18.8	13.3	2.9
1533	49	35	<100	8.4	170	14.0	9.0	2.1
1533 O	72	15	<100	5.8	220	23.8	13.4	3.7
1534	133	25	<100	8.5	110	47.9	28.4	4.6
1534 O	51	18	<100	9.8	170	18.3	12.8	1.9
1535	144	21	<100	8.7	190	37.4	21.8	3.9
1535 O	185	6	<100	6.5	170	48.4	26.5	6.9
1536	22	90	<100	5.2	220	20.0	18.3	1.2
1536 O	109	12	<100	6.2	240	25.6	13.1	4.6
1537	16	40	<100	14.0	140	9.0	6.6	0.6
1537 O	176	13	<100	8.3	320	42.2	21.1	6.6
1538	231	31	<100	4.7	2940	88.6	43.0	15.8
1538 O	172	62	100	5.9	330	15.9	8.4	5.3
1539 LG	312	12	<100	9.1	1330	64.5	33.8	13.0
1539 O	269	12	<100	5.4	1670	39.7	18.3	11.1
1540 LG	66	9	<100	5.7	5610	33.8	20.4	6.8
1540 O	163	13	<100	5.7	610	29.2	14.8	6.9

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1541	109	13	<100	10.4	290	24.2	13.7	4.3
1541 O	481	20	<100	6.3	460	57.4	26.5	15.6
1542	162	16	100	10.8	760	23.8	11.0	5.3
1542 O	219	18	<100	5.8	860	28.5	14.3	9.4

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Final : VC151805 Order: DeCoors / Hot Bath Project 1501-1542

Report File No.: 0000012409

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1501	47	14.6	6.7	<1	0.3	5.3	10	<1
1501 O	20	8.0	21.4	<1	0.2	5.3	31	<1
1502	52	13.1	5.3	<1	0.4	4.4	6	<1
1502 O	10	5.6	164	<1	0.2	5.0	206	<1
1503	28	9.1	40.8	<1	0.2	3.9	63	<1
1503 O	16	1.6	31.6	<1	<0.1	14.3	56	<1
1504	31	4.7	2.2	<1	0.4	4.2	4	<1
1504 O	12	1.4	38.5	<1	<0.1	28.1	88	<1
1505	25	12.6	17.2	<1	0.4	2.7	11	<1
1505 O	9	1.6	49.5	<1	<0.1	13.8	82	<1
1506	23	8.2	16.8	<1	0.2	5.8	17	<1
1506 O	25	2.9	74.7	<1	<0.1	8.2	196	<1
1507	20	12.0	28.7	<1	0.4	6.9	31	<1
1507 O	11	1.3	67.9	<1	<0.1	8.1	65	<1
1508	33	6.7	15.8	<1	0.3	3.1	24	<1
1508 O	12	<0.5	92.0	<1	<0.1	2.2	48	<1
1509	19	10.6	20.0	<1	0.3	3.1	28	<1
1509 O	25	8.5	32.6	<1	0.2	5.6	78	<1
1510	11	13.1	31.3	<1	0.3	3.7	58	<1
1510 O	24	15.1	29.8	<1	0.1	9.1	87	1
1511	12	13.1	121	<1	0.2	6.4	379	<1
1511 O	11	3.0	125	<1	<0.1	8.9	159	<1
1512	44	10.9	11.1	<1	0.4	4.9	21	<1
1512 O	21	3.7	130	<1	0.1	1.9	147	<1
1513	18	4.4	101	<1	0.2	6.5	165	<1
1513 O	24	12.9	62.9	<1	0.4	3.9	124	<1
1514	33	6.2	56.9	<1	0.3	5.3	79	<1
1514 O	12	12.1	54.0	<1	0.1	4.6	66	<1
1515	26	5.5	32.1	<1	0.2	9.0	63	<1
1515 O	31	5.7	27.1	<1	0.3	6.0	70	<1
1516	23	2.3	216	<1	0.1	6.9	545	<1
1516 O	24	19.9	103	<1	0.3	3.1	271	<1
1517	35	7.7	127	<1	0.3	8.0	222	<1
1517 O	33	3.9	28.4	<1	<0.1	7.4	30	<1
1518	28	10.7	246	<1	0.3	9.0	407	<1
1518 O	23	12.2	103	<1	<0.1	3.4	929	1
1519	144	23.0	1.2	<1	0.3	11.4	5	1
1519 O	19	5.7	63.0	<1	<0.1	9.2	82	2
1520	143	39.9	3.4	<1	0.3	17.0	8	<1
1520 O	27	7.0	30.9	<1	0.3	3.0	68	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1521	9	2.2	81.5	<1	<0.1	8.3	115	<1
1521 O	38	4.8	50.1	<1	0.1	3.8	74	<1
1522	36	8.3	20.2	<1	0.4	6.6	26	<1
1522 O	17	3.6	31.7	<1	<0.1	9.3	54	<1
1523	80	13.7	6.4	<1	0.3	4.2	13	<1
1523 O	19	6.1	79.2	<1	0.2	2.7	84	<1
1524	12	5.1	92.9	<1	0.2	3.4	197	<1
1524 O	26	5.5	60.7	<1	0.2	4.3	100	<1
1525	15	11.1	31.7	<1	0.3	4.0	40	<1
1525 O	16	3.1	131	<1	0.1	3.3	157	<1
1526	107	18.9	58.1	<1	0.2	2.3	184	<1
1526 O	22	4.3	123	<1	<0.1	4.0	165	<1
1527	18	15.3	22.9	<1	0.4	5.8	14	<1
1527 O	29	13.1	45.6	<1	0.3	8.2	163	<1
1528	103	12.1	1.9	<1	0.4	8.1	7	<1
1528 O	24	11.3	71.7	<1	0.4	4.1	130	<1
1529	131	21.5	1.3	<1	0.4	12.1	4	<1
1529 O	25	2.7	123	<1	<0.1	3.3	112	<1
1530	68	20.6	8.0	<1	0.2	16.1	23	1
1530 O	53	16.5	87.2	<1	0.3	20.7	110	1
1531	35	8.4	6.9	<1	0.4	7.2	12	<1
1531 O	24	10.4	42.7	<1	0.1	12.1	141	<1
1532	138	41.8	8.1	<1	0.3	7.6	27	<1
1532 O	25	4.2	15.5	<1	0.2	7.2	41	<1
1533	57	9.8	10.7	<1	0.3	5.6	18	<1
1533 O	28	6.6	17.6	<1	0.2	5.8	25	<1
1534	41	16.2	30.8	<1	0.3	5.3	47	<1
1534 O	37	5.3	10.7	<1	0.2	4.4	18	<1
1535	28	14.6	25.8	<1	0.3	5.6	53	<1
1535 O	35	20.8	39.9	<1	0.4	3.7	65	<1
1536	46	13.7	7.2	<1	0.5	7.2	10	<1
1536 O	42	17.8	21.3	<1	0.2	6.8	43	<1
1537	47	6.2	3.6	<1	0.4	9.1	6	<1
1537 O	50	25.3	35.3	<1	0.5	8.2	65	2
1538	45	9.9	82.5	<1	0.2	7.6	100	<1
1538 O	97	42.2	18.6	1	0.4	11.6	68	4
1539 LG	11	3.6	77.0	<1	<0.1	15.9	151	<1
1539 O	28	5.0	44.9	<1	0.1	3.8	123	1
1540 LG	6	2.4	39.1	<1	<0.1	18.5	42	<1
1540 O	23	6.1	28.9	<1	<0.1	5.8	64	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1541	31	6.1	19.4	<1	0.2	9.0	42	<1
1541 O	21	5.5	61.6	<1	0.1	3.8	229	<1
1542	82	10.9	23.3	<1	0.2	12.9	76	2
1542 O	16	5.0	38.2	<1	<0.1	10.2	122	<1

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1501	<0.5	300	3	11.9	16	43	1.3	80
1501 O	1.7	1000	3	2.4	60	24	3.7	22
1502	0.6	100	3	9.3	12	76	0.8	29
1502 O	<0.5	1500	2	2.2	536	21	0.4	71
1503	0.7	1200	5	6.7	141	91	1.8	39
1503 O	31.4	17700	43	1.0	106	71	0.7	30
1504	<0.5	100	<2	4.2	5	20	0.3	74
1504 O	7.4	1100	4	1.8	134	17	0.4	15
1505	<0.5	200	<2	5.0	31	48	0.4	99
1505 O	1.6	2000	7	<0.5	143	14	0.1	35
1506	<0.5	300	2	3.4	41	39	1.6	58
1506 O	29.6	13300	9	7.2	234	85	0.6	22
1507	0.7	1800	4	9.6	80	90	1.7	36
1507 O	47.0	4000	26	<0.5	154	88	0.1	16
1508	2.6	800	3	3.0	47	99	1.5	62
1508 O	56.6	1600	<2	<0.5	140	101	<0.1	<5
1509	<0.5	100	<2	3.5	61	28	0.4	61
1509 O	0.8	700	3	8.7	118	34	2.7	49
1510	<0.5	200	<2	0.6	118	112	0.1	43
1510 O	2.3	1400	3	6.8	118	10	2.5	25
1511	<0.5	300	<2	1.1	548	62	0.2	28
1511 O	2.8	1200	7	0.7	311	14	0.2	37
1512	<0.5	400	2	12.4	34	38	1.2	57
1512 O	1.2	6500	<2	1.6	377	62	1.5	121
1513	3.5	1700	2	2.2	334	63	0.6	54
1513 O	<0.5	400	3	7.1	245	64	0.8	63
1514	2.0	2100	3	4.6	195	163	0.8	44
1514 O	<0.5	1000	9	1.6	189	6	1.3	55
1515	0.6	1200	10	5.0	107	12	1.1	27
1515 O	<0.5	700	2	4.1	116	56	2.5	56
1516	5.4	2600	<2	5.6	837	34	1.5	105
1516 O	<0.5	300	4	9.6	439	30	0.9	53
1517	2.6	4500	3	6.6	424	116	2.1	131
1517 O	1.4	8100	3	3.3	77	144	0.4	15
1518	1.8	2700	<2	10.7	892	110	1.1	289
1518 O	2.9	3000	5	4.1	666	26	11.2	49
1519	3.0	200	<2	12.0	6	39	1.5	<5
1519 O	7.6	2600	9	4.1	171	39	1.2	27
1520	4.5	4600	4	41.6	9	66	5.1	46
1520 O	0.7	700	6	7.0	115	31	1.8	66

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Final : VC151805 Order: DeCoors / Hot Bath Project 1501-1542

Report File No.: 0000012409

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1521	5.2	400	3	1.1	228	22	0.5	102
1521 O	1.1	15300	22	4.1	130	42	1.7	30
1522	1.1	200	<2	6.1	57	57	0.7	91
1522 O	5.2	4600	48	3.6	90	57	0.7	10
1523	1.8	300	3	11.5	19	39	1.6	46
1523 O	<0.5	7300	3	3.2	221	90	0.5	44
1524	2.6	200	<2	4.0	349	46	0.5	42
1524 O	0.6	6300	13	6.8	202	43	1.2	51
1525	0.8	400	<2	6.0	105	92	0.8	30
1525 O	1.6	1500	10	3.0	418	39	0.8	39
1526	0.7	1400	6	11.3	264	27	1.8	37
1526 O	1.9	4400	17	6.7	327	24	0.9	35
1527	<0.5	100	3	4.8	49	35	0.4	72
1527 O	<0.5	1300	9	9.8	210	20	6.4	87
1528	0.8	200	<2	6.8	6	42	2.0	9
1528 O	<0.5	100	3	3.9	265	47	0.4	140
1529	1.4	100	<2	18.0	4	28	0.9	<5
1529 O	2.8	900	4	4.2	315	48	0.6	23
1530	1.6	600	3	15.0	26	42	4.9	66
1530 O	4.0	5600	5	8.1	238	159	7.1	81
1531	<0.5	<100	4	8.2	16	52	0.8	57
1531 O	0.6	1200	5	5.5	183	24	7.7	68
1532	1.0	1000	4	33.4	30	70	4.4	159
1532 O	0.6	400	<2	2.9	54	66	4.5	27
1533	<0.5	400	2	7.0	33	87	2.5	109
1533 O	0.8	500	<2	3.5	52	75	3.0	40
1534	<0.5	400	3	15.6	97	71	1.3	128
1534 O	<0.5	100	<2	0.8	31	114	0.5	10
1535	<0.5	300	3	17.1	97	90	0.9	145
1535 O	0.7	600	4	13.7	126	77	2.9	140
1536	0.7	200	2	13.9	16	89	1.5	37
1536 O	1.4	700	3	11.3	75	77	7.3	56
1537	<0.5	<100	2	2.1	9	78	0.6	18
1537 O	1.9	1100	4	26.2	118	108	8.0	96
1538	2.6	1000	10	13.4	234	37	1.2	45
1538 O	10.0	5700	10	16.9	82	80	25.7	105
1539 LG	7.9	700	9	1.5	272	21	1.1	28
1539 O	3.8	400	3	5.4	167	42	6.4	88
1540 LG	21.1	400	4	<0.5	87	33	0.4	12
1540 O	10.0	500	3	2.4	103	77	4.5	76

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1541	0.9	900	4	2.9	73	53	5.0	71
1541 O	3.6	800	6	2.2	285	33	4.4	75
1542	3.7	2800	14	9.3	92	42	18.6	138
1542 O	17.5	1600	<2	1.2	161	26	2.2	76

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1501	<1	3.2	<0.1	85	<0.5	20	5	<1
1501 O	<1	12.2	<0.1	59	<0.5	54	17	<1
1502	<1	2.4	<0.1	59	<0.5	17	3	<1
1502 O	1	120	0.1	113	<0.5	49	131	<1
1503	<1	29.7	<0.1	94	<0.5	23	35	<1
1503 O	<1	20.9	<0.1	83	<0.5	15	27	<1
1504	<1	1.0	<0.1	61	<0.5	8	1	<1
1504 O	<1	27.3	<0.1	94	<0.5	45	35	<1
1505	<1	5.5	<0.1	78	<0.5	20	10	<1
1505 O	<1	28.9	<0.1	140	<0.5	39	39	<1
1506	<1	7.9	<0.1	73	<0.5	27	12	<1
1506 O	1	55.8	<0.1	127	<0.5	67	60	<1
1507	<1	16.5	<0.1	71	<0.5	47	21	<1
1507 O	<1	27.0	<0.1	56	<0.5	21	49	<1
1508	<1	9.8	<0.1	174	<0.5	16	13	<1
1508 O	<1	21.9	<0.1	20	<0.5	71	55	<1
1509	<1	14.2	<0.1	90	<0.5	19	16	<1
1509 O	<1	25.6	<0.1	73	<0.5	36	28	<1
1510	<1	27.0	<0.1	85	<0.5	21	27	<1
1510 O	<1	25.6	<0.1	64	<0.5	71	27	<1
1511	<1	135	<0.1	150	<0.5	46	104	<1
1511 O	<1	63.6	<0.1	173	<0.5	43	91	<1
1512	<1	7.9	<0.1	108	<0.5	14	8	<1
1512 O	<1	72.9	<0.1	75	<0.5	50	96	<1
1513	<1	70.1	<0.1	80	<0.5	64	76	<1
1513 O	<1	54.3	<0.1	103	<0.5	29	57	<1
1514	<1	41.2	<0.1	44	<0.5	32	46	<1
1514 O	<1	37.3	<0.1	124	<0.5	43	43	<1
1515	<1	22.7	<0.1	110	<0.5	26	27	<1
1515 O	<1	26.0	<0.1	65	<0.5	28	27	<1
1516	<1	192	<0.1	108	<0.5	78	201	<1
1516 O	<1	101	<0.1	128	<0.5	38	95	<1
1517	<1	90.8	<0.1	103	<0.5	46	108	<1
1517 O	<1	15.7	<0.1	125	<0.5	25	19	<1
1518	<1	195	<0.1	167	<0.5	84	209	<1
1518 O	<1	185	<0.1	85	<0.5	60	103	<1
1519	<1	1.2	<0.1	66	<0.5	7	1	<1
1519 O	<1	32.6	<0.1	100	<0.5	36	51	<1
1520	<1	2.0	<0.1	102	<0.5	25	3	4
1520 O	<1	24.6	<0.1	143	<0.5	21	29	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1521	<1	44.3	<0.1	167	<0.5	43	60	<1
1521 O	<1	27.6	<0.1	147	<0.5	33	38	<1
1522	<1	11.8	<0.1	75	<0.5	10	15	<1
1522 O	<1	18.2	<0.1	223	<0.5	15	24	<1
1523	<1	4.4	<0.1	58	<0.5	13	5	<1
1523 O	<1	46.7	<0.1	120	<0.5	33	61	<1
1524	<1	78.0	<0.1	63	<0.5	26	74	<1
1524 O	<1	40.9	<0.1	147	<0.5	29	51	<1
1525	<1	21.4	<0.1	73	<0.5	34	26	<1
1525 O	<1	81.0	<0.1	81	<0.5	43	99	<1
1526	<1	61.3	<0.1	76	<0.5	41	60	<1
1526 O	<1	67.8	<0.1	155	<0.5	50	93	<1
1527	<1	9.2	<0.1	113	<0.5	19	15	<1
1527 O	1	50.9	<0.1	131	<0.5	41	49	<1
1528	<1	1.8	<0.1	57	<0.5	15	2	<1
1528 O	<1	58.6	<0.1	131	<0.5	17	64	<1
1529	<1	0.9	<0.1	107	<0.5	7	1	<1
1529 O	<1	59.3	<0.1	98	<0.5	58	89	<1
1530	<1	6.2	<0.1	174	<0.5	25	7	<1
1530 O	<1	47.6	<0.1	145	<0.5	43	69	<1
1531	<1	3.2	<0.1	131	<0.5	14	4	<1
1531 O	<1	41.2	<0.1	170	<0.5	44	42	<1
1532	<1	7.1	<0.1	80	<0.5	20	7	3
1532 O	<1	12.9	<0.1	79	<0.5	22	13	<1
1533	<1	7.1	<0.1	105	<0.5	20	9	<1
1533 O	<1	10.8	<0.1	83	<0.5	25	14	<1
1534	<1	20.1	<0.1	95	<0.5	31	25	<1
1534 O	<1	6.9	<0.1	100	<0.5	18	8	<1
1535	<1	20.8	<0.1	102	<0.5	22	22	1
1535 O	<1	28.4	<0.1	104	<0.5	24	35	<1
1536	<1	3.7	<0.1	67	<0.5	27	5	<1
1536 O	<1	15.4	<0.1	106	<0.5	34	20	<1
1537	<1	1.8	<0.1	105	<0.5	14	3	<1
1537 O	<1	25.4	<0.1	112	<0.5	29	32	1
1538	<1	46.8	<0.1	66	<0.5	33	66	1
1538 O	<1	18.2	<0.1	148	0.7	48	20	<1
1539 LG	<1	57.0	<0.1	226	<0.5	53	70	<1
1539 O	<1	38.4	<0.1	103	<0.5	39	42	<1
1540 LG	<1	16.3	<0.1	168	<0.5	30	28	<1
1540 O	<1	21.7	<0.1	75	<0.5	32	27	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1541	<1	15.5	<0.1	70	<0.5	31	17	<1
1541 O	<1	64.2	<0.1	65	<0.5	54	62	<1
1542	<1	22.4	<0.1	111	<0.5	37	24	<1
1542 O	<1	35.3	<0.1	58	<0.5	46	37	<1

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Final : VC151805 Order: DeCoors / Hot Bath Project 1501-1542

Report File No.: 0000012409

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1501	<10	2	1.9	30	5.8	670	0.1	7.5
1501 O	130	<1	4.4	10	4.2	390	<0.1	5.8
1502	<10	1	1.6	30	5.0	570	0.2	6.2
1502 O	<10	<1	33.0	20	15.5	80	0.3	327
1503	60	<1	7.5	<10	12.6	650	0.1	102
1503 O	2500	<1	4.3	10	12.4	130	0.3	67.2
1504	<10	<1	0.8	20	2.2	130	<0.1	5.4
1504 O	1840	<1	6.2	<10	16.6	150	0.2	91.1
1505	<10	<1	4.7	10	5.2	140	0.1	11.0
1505 O	510	<1	8.2	<10	13.9	40	0.1	132
1506	<10	<1	4.2	<10	9.9	270	0.1	27.8
1506 O	1390	<1	11.8	<10	14.1	390	0.3	326
1507	<10	<1	6.8	<10	6.9	620	0.4	26.8
1507 O	3820	<1	8.7	<10	12.3	<10	0.2	94.3
1508	360	<1	2.9	<10	10.5	500	0.2	11.6
1508 O	4110	<1	14.1	<10	4.1	10	<0.1	6.3
1509	<10	<1	4.3	<10	8.2	170	<0.1	11.8
1509 O	60	<1	5.7	<10	16.4	690	0.1	15.0
1510	<10	<1	6.9	<10	4.1	40	0.2	11.8
1510 O	110	<1	4.6	<10	14.0	1190	0.1	14.6
1511	<10	<1	21.6	<10	5.1	170	0.4	17.4
1511 O	400	<1	19.6	<10	24.0	60	0.2	923
1512	<10	<1	2.2	<10	8.4	540	0.2	11.2
1512 O	720	<1	24.9	<10	35.5	210	0.2	209
1513	260	<1	19.6	<10	10.5	220	0.2	84.1
1513 O	10	<1	11.2	<10	15.5	400	0.3	28.0
1514	100	<1	12.4	<10	7.9	320	0.1	42.0
1514 O	<10	<1	11.9	<10	3.5	250	0.2	30.3
1515	90	<1	5.5	<10	14.3	420	0.1	49.9
1515 O	30	<1	4.9	<10	19.2	430	0.2	35.6
1516	250	<1	30.6	<10	26.8	520	0.3	114
1516 O	<10	<1	18.4	<10	16.7	530	0.4	45.2
1517	140	<1	20.3	<10	23.0	540	0.2	65.2
1517 O	50	<1	5.7	<10	5.3	350	0.2	24.8
1518	20	<1	41.0	<10	25.5	640	0.3	63.8
1518 O	20	<1	15.8	<10	84.0	1150	0.2	34.0
1519	100	<1	0.2	<10	2.9	560	<0.1	3.8
1519 O	740	<1	9.3	<10	17.2	560	0.2	376
1520	140	2	0.8	<10	8.0	1950	0.2	7.6
1520 O	30	<1	5.1	<10	26.0	690	0.3	22.5

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1521	450	<1	13.3	<10	10.2	140	0.1	93.9
1521 O	70	<1	8.8	<10	24.9	510	0.5	252
1522	60	<1	4.2	<10	5.7	250	0.2	15.4
1522 O	640	<1	4.6	<10	7.1	400	0.2	324
1523	100	<1	1.4	<10	7.6	720	<0.1	13.5
1523 O	<10	<1	15.1	<10	15.6	250	0.3	79.7
1524	130	<1	15.5	<10	6.5	270	0.3	26.0
1524 O	30	<1	10.8	<10	19.8	460	0.2	105
1525	10	<1	7.0	<10	4.7	400	0.3	10.2
1525 O	100	<1	26.9	<10	23.5	240	0.3	464
1526	160	<1	9.1	<10	43.5	1300	0.3	27.4
1526 O	120	<1	20.1	<10	35.8	430	0.4	654
1527	<10	<1	6.0	<10	8.3	160	<0.1	15.0
1527 O	<10	<1	7.7	<10	71.5	460	0.3	65.5
1528	40	<1	0.4	<10	6.8	460	<0.1	6.7
1528 O	10	<1	12.6	<10	22.2	110	0.3	40.2
1529	<10	1	0.2	<10	3.8	450	<0.1	4.1
1529 O	180	<1	24.6	<10	20.0	340	0.3	346
1530	30	<1	1.5	<10	22.5	1470	0.3	19.4
1530 O	220	<1	16.9	<10	41.7	600	0.1	69.3
1531	20	<1	1.8	<10	5.8	280	0.2	10.5
1531 O	40	<1	7.3	<10	78.6	790	0.2	42.3
1532	60	2	1.5	<10	14.0	2210	0.3	10.2
1532 O	30	<1	2.6	<10	19.7	400	0.2	20.3
1533	20	<1	2.1	<10	11.4	500	0.2	12.9
1533 O	40	<1	3.6	<10	7.3	370	0.3	10.2
1534	<10	<1	6.7	<10	15.7	550	0.2	15.0
1534 O	<10	<1	2.2	<10	3.8	140	0.2	6.1
1535	20	<1	5.4	<10	14.3	610	0.2	14.6
1535 O	30	2	7.3	<10	25.1	440	0.3	18.5
1536	<10	<1	2.0	<10	8.1	770	0.2	12.0
1536 O	70	<1	3.9	<10	21.3	1260	0.2	18.3
1537	<10	<1	1.0	<10	3.7	160	<0.1	5.1
1537 O	70	2	6.5	<10	39.8	800	0.2	24.9
1538	700	<1	14.4	<10	15.0	630	0.2	339
1538 O	460	<1	2.8	<10	57.8	2890	0.3	35.8
1539 LG	180	<1	11.4	<10	8.6	190	0.1	22.6
1539 O	190	<1	7.0	<10	30.3	890	0.4	33.8
1540 LG	2070	<1	5.7	<10	4.1	80	0.1	10.9
1540 O	280	<1	4.9	<10	16.0	380	0.1	18.1

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1541	20	<1	3.5	<10	16.3	430	0.2	18.1
1541 O	140	<1	9.8	<10	37.4	590	0.2	29.7
1542	60	<1	3.9	<10	134	1060	0.4	43.5
1542 O	1150	<1	5.3	<10	39.8	320	0.1	25.5

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1501	<0.5	73	8.8	90	155
1501 O	0.5	146	11.1	60	72
1502	<0.5	70	8.7	190	137
1502 O	0.6	1370	107	140	316
1503	0.7	249	20.8	190	231
1503 O	<0.5	157	13.5	70	74
1504	<0.5	43	7.3	40	76
1504 O	<0.5	242	20.1	270	269
1505	<0.5	184	20.3	110	142
1505 O	<0.5	317	29.7	90	322
1506	<0.5	163	17.0	110	129
1506 O	0.6	582	49.1	230	234
1507	0.6	294	33.2	230	216
1507 O	<0.5	325	22.4	310	33
1508	<0.5	100	8.4	490	184
1508 O	0.5	629	47.8	170	25
1509	<0.5	136	13.5	110	236
1509 O	<0.5	175	13.7	100	334
1510	<0.5	261	27.3	200	95
1510 O	0.9	118	10.1	60	268
1511	<0.5	812	62.5	160	162
1511 O	<0.5	891	77.4	110	356
1512	<0.5	69	6.6	110	244
1512 O	<0.5	1110	83.3	30	101
1513	<0.5	1070	71.5	220	122
1513 O	<0.5	362	29.2	160	432
1514	<0.5	532	44.4	220	123
1514 O	<0.5	473	49.5	70	117
1515	<0.5	170	12.3	120	259
1515 O	<0.5	146	13.0	60	185
1516	<0.5	1160	85.8	140	469
1516 O	0.5	673	48.7	60	348
1517	0.6	741	58.9	340	347
1517 O	<0.5	245	19.7	200	102
1518	0.7	1800	128	200	441
1518 O	0.8	555	30.7	110	500
1519	<0.5	7	1.8	50	85
1519 O	<0.5	355	30.0	240	227
1520	0.9	34	5.1	1010	175
1520 O	<0.5	144	10.9	30	401

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Final : VC151805 Order: DeCoors / Hot Bath Project 1501-1542

Report File No.: 0000012409

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1521	<0.5	616	39.6	240	130
1521 O	<0.5	371	29.7	20	310
1522	<0.5	143	10.9	80	129
1522 O	<0.5	200	12.6	40	134
1523	<0.5	50	4.7	70	144
1523 O	<0.5	646	51.6	50	241
1524	<0.5	623	34.3	30	121
1524 O	<0.5	394	28.1	40	344
1525	<0.5	250	19.9	30	134
1525 O	<0.5	1330	77.6	60	204
1526	<0.5	210	16.7	170	825
1526 O	<0.5	869	69.4	60	492
1527	<0.5	252	24.6	30	231
1527 O	<0.5	194	17.7	70	911
1528	<0.5	15	3.2	40	137
1528 O	<0.5	361	26.3	40	457
1529	<0.5	8	3.7	10	131
1529 O	<0.5	1290	98.7	80	182
1530	<0.5	43	7.7	250	272
1530 O	<0.5	674	52.2	1180	257
1531	<0.5	91	13.0	70	159
1531 O	<0.5	202	18.9	50	377
1532	0.5	48	7.3	300	204
1532 O	<0.5	96	12.5	180	145
1533	<0.5	70	7.2	370	187
1533 O	<0.5	114	9.4	220	95
1534	<0.5	235	21.4	260	457
1534 O	<0.5	93	9.1	140	87
1535	<0.5	210	15.4	90	378
1535 O	<0.5	216	21.0	60	519
1536	<0.5	115	17.8	160	200
1536 O	<0.5	113	10.7	220	180
1537	<0.5	41	6.3	170	97
1537 O	0.5	159	15.5	350	1130
1538	<0.5	442	28.3	20	273
1538 O	0.8	67	6.9	680	333
1539 LG	<0.5	337	23.9	230	184
1539 O	<0.5	168	14.1	30	173
1540 LG	<0.5	191	13.5	530	87
1540 O	<0.5	144	11.1	20	79

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Final : VC151805 Order: DeCoors / Hot Bath Project 1501-1542

Report File No.: 0000012409

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1541	<0.5	131	11.0	120	101
1541 O	<0.5	241	20.9	20	99
1542	0.6	93	9.8	230	439
1542 O	0.7	147	12.2	60	88

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Certificate of Analysis
Work Order : VC151807
[Report File No.: 0000012410]

Date: August 21, 2015

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

P.O. No.: DeCoors / Hot Bath Project 1543-1584
Project No.: -
Samples: 84
Received: Jul 24, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
83	G_LOG02	Pre-preparation processing, sorting, logging, boxing
83	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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SGS Canada Inc. | Mineral Services Suite E - 3260 Production Way Burnaby BC t(604) 638-2349 f(604) 444-5486 www.ca.sgs.com

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SGS

Final : VC151807 Order: DeCoors / Hot Bath Project 1543-1584

Report File No.: 0000012410

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1543	5.7	224	<10	<0.1	270	<0.5	2	14
1543 O	15.8	79	20	1.9	530	<0.5	391	4
1544	3.5	327	<10	<0.1	340	<0.5	15	5
1544 O	15.2	163	<10	3.4	1090	2.4	20	<1
1545	2.0	232	<10	<0.1	320	<0.5	2	10
1545 O	17.6	287	<10	0.4	1580	<0.5	50	2
1546	36.8	357	20	1.8	360	<0.5	9	3
1546 O	5.7	332	<10	0.2	1400	0.7	18	3
1547	4.6	186	<10	<0.1	320	<0.5	<2	8
1547 O	3.9	241	<10	<0.1	440	<0.5	3	18
1548	3.6	335	<10	0.1	460	<0.5	8	7
1548 O	3.5	300	<10	<0.1	1580	<0.5	10	5
1549	3.0	163	<10	<0.1	530	<0.5	21	5
1549 O	4.2	270	<10	<0.1	1690	<0.5	43	11
1550	3.5	123	<10	<0.1	260	<0.5	6	7
1550 O	4.3	261	<10	<0.1	360	<0.5	3	8
1551	5.6	253	<10	<0.1	530	<0.5	7	9
1551 O	3.7	284	<10	<0.1	1740	<0.5	9	4
1552	2.4	260	<10	0.7	420	<0.5	20	11
1552 O	2.7	260	<10	<0.1	390	<0.5	4	9
1553	4.2	308	<10	<0.1	780	<0.5	19	5
1553 O	3.4	288	<10	<0.1	590	<0.5	2	8
1554	5.1	168	<10	0.3	1440	<0.5	244	2
1554 O	15.3	360	<10	0.3	1400	0.6	10	5
1555	7.5	294	<10	0.2	1220	<0.5	52	2
1555 O	4.8	155	<10	<0.1	290	<0.5	7	9
1556	6.0	239	<10	0.2	1620	<0.5	50	2
1556 O	5.3	257	<10	<0.1	880	<0.5	68	5
1557	4.2	309	<10	0.2	1000	<0.5	17	4
1557 O	3.0	255	<10	<0.1	490	<0.5	11	5
1558	3.1	259	<10	0.1	1000	<0.5	75	3
1558 O	2.3	292	<10	<0.1	570	<0.5	5	7
1559	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1559 O	6.2	150	<10	0.2	1640	<0.5	167	6
1560	3.9	300	<10	<0.1	1690	<0.5	25	11
1560 O	14.4	147	20	0.4	430	<0.5	20	3
1561	3.7	257	<10	0.1	2980	<0.5	52	5
1561 O	9.6	180	<10	0.1	350	<0.5	11	4
1562	2.3	257	<10	<0.1	790	<0.5	5	6
1562 O	9.2	175	<10	0.2	320	<0.5	5	3

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Final : VC151807 Order: DeCoors / Hot Bath Project 1543-1584

Report File No.: 0000012410

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1563	7.4	106	<10	0.3	770	<0.5	36	2
1563 O	5.8	112	<10	0.2	560	<0.5	15	5
1564	6.7	184	10	0.1	420	<0.5	86	2
1564 O	<0.5	99	<10	<0.1	440	<0.5	123	9
1565	14.6	111	<10	0.3	310	<0.5	53	2
1565 O	7.4	118	<10	0.4	600	<0.5	181	5
1566	6.9	241	<10	<0.1	590	<0.5	17	10
1566 O	<0.5	62	<10	0.6	1040	<0.5	73	2
1567	3.6	329	<10	<0.1	440	<0.5	4	9
1567 O	3.8	189	<10	0.2	220	<0.5	12	4
1568	4.7	150	20	<0.1	1670	<0.5	124	2
1568 O	3.2	204	10	0.3	410	<0.5	134	5
1569	6.1	196	<10	<0.1	250	<0.5	8	4
1569 O	0.7	79	20	0.4	910	<0.5	72	10
1570	3.8	254	<10	<0.1	470	<0.5	6	2
1570 O	4.2	112	<10	0.1	620	<0.5	96	4
1571	5.4	295	10	<0.1	1530	<0.5	31	4
1571 O	4.0	138	<10	0.3	610	<0.5	23	2
1572	3.3	283	<10	0.2	1040	<0.5	38	6
1572 O	6.6	242	10	0.4	1610	0.5	32	3
1573	1.4	270	<10	<0.1	690	<0.5	14	11
1573 O	5.2	219	<10	<0.1	160	<0.5	3	2
1574	4.3	289	<10	0.1	1320	<0.5	25	3
1574 O	31.6	74	<10	1.1	2920	<0.5	209	7
1575	5.8	240	<10	<0.1	580	<0.5	66	4
1575 O	2.6	155	<10	<0.1	240	<0.5	30	4
1576	5.2	296	<10	<0.1	400	<0.5	4	4
1576 O	1.8	132	<10	<0.1	140	<0.5	<2	5
1577	3.7	262	<10	<0.1	760	<0.5	5	12
1577 O	3.1	286	<10	<0.1	400	<0.5	4	5
1578	2.7	327	<10	0.2	1740	<0.5	26	5
1578 O	18.0	60	<10	2.1	2380	<0.5	946	7
1579	2.2	245	<10	<0.1	680	<0.5	17	7
1579 O	13.7	263	<10	1.2	750	1.5	20	2
1580	6.2	276	<10	<0.1	1160	<0.5	18	4
1580 O	4.1	271	<10	0.2	610	<0.5	10	8
1581	6.1	132	<10	0.3	1590	<0.5	249	1
1581 O	3.7	149	<10	<0.1	150	<0.5	<2	8
1582	5.4	351	<10	0.2	310	<0.5	3	6
1582 O	6.6	171	<10	<0.1	350	<0.5	3	5

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1583	15.2	115	<10	1.0	350	<0.5	110	6
1583 O	2.8	247	<10	<0.1	270	<0.5	3	7
1584	2.6	213	<10	0.2	630	<0.5	105	3
1584 O	6.5	109	<10	0.1	240	<0.5	4	5

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Final : VC151807 Order: DeCoors / Hot Bath Project 1543-1584

Report File No.: 0000012410

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1543	44	14	<100	8.0	280	23.4	14.3	2.3
1543 O	94	16	<100	1.0	2020	64.0	42.0	13.2
1544	224	8	<100	4.9	440	28.0	15.5	5.9
1544 O	1850	234	<100	9.1	1200	122	66.4	33.4
1545	41	14	<100	8.2	240	18.9	14.5	1.6
1545 O	259	43	<100	5.4	9490	30.2	13.9	8.6
1546	347	23	<100	13.0	1890	56.3	26.8	9.7
1546 O	176	33	<100	4.6	8120	22.2	13.3	5.7
1547	354	6	<100	12.7	180	113	56.5	8.9
1547 O	209	13	<100	8.6	140	72.4	42.8	6.3
1548	227	17	<100	10.6	400	26.6	13.6	6.5
1548 O	142	9	<100	6.0	130	26.4	15.1	4.8
1549	20	10	<100	5.5	80	22.3	15.7	2.0
1549 O	416	43	<100	5.4	810	58.9	31.8	13.5
1550	257	2	<100	10.8	550	124	67.7	11.9
1550 O	118	31	<100	5.8	230	29.3	16.9	4.2
1551	120	13	<100	12.6	230	22.8	12.0	4.6
1551 O	205	7	<100	4.9	210	26.2	14.1	6.4
1552	60	18	<100	14.0	320	23.0	13.1	3.4
1552 O	97	27	<100	6.0	200	23.1	13.2	3.4
1553	185	25	<100	6.7	1510	43.0	26.1	8.0
1553 O	135	10	<100	6.5	330	32.2	18.6	4.9
1554	258	57	<100	4.3	3570	28.9	17.2	6.5
1554 O	175	28	<100	5.6	22400	17.6	9.7	5.0
1555	418	64	<100	5.3	4500	55.9	32.7	11.9
1555 O	364	19	<100	8.3	930	133	73.3	18.8
1556	378	22	<100	6.5	1750	36.2	20.3	8.0
1556 O	103	7	<100	5.5	390	42.7	23.5	7.9
1557	233	24	<100	7.3	310	30.8	17.2	6.2
1557 O	152	15	<100	7.6	410	26.3	13.6	4.7
1558	319	9	<100	8.3	780	31.3	16.8	7.2
1558 O	103	8	<100	8.2	210	20.5	12.4	3.3
1559	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1559 O	104	20	<100	3.5	6920	200	138	31.1
1560	211	8	<100	5.9	600	44.8	26.6	8.1
1560 O	526	32	<100	11.6	3040	83.4	44.6	24.3
1561	207	5	<100	6.0	1200	34.0	18.0	6.7
1561 O	1240	27	<100	12.6	1450	185	99.2	29.3
1562	137	7	<100	5.2	490	40.9	22.1	7.3
1562 O	944	9	<100	10.7	880	138	73.3	20.2

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1563	434	58	<100	6.3	3180	67.1	36.2	18.5
1563 O	82	63	<100	8.7	6840	123	89.7	13.7
1564	200	6	<100	6.2	620	36.0	23.1	11.0
1564 O	28	111	<100	1.2	3780	22.2	17.4	3.0
1565	170	5	<100	13.8	890	50.2	29.6	15.8
1565 O	292	205	<100	7.4	12600	79.2	56.1	20.5
1566	375	10	<100	10.3	650	152	87.8	18.6
1566 O	8	104	<100	7.1	18500	8.4	11.9	0.8
1567	79	12	<100	5.2	260	17.2	10.1	2.9
1567 O	35	44	<100	11.2	2640	11.5	8.0	1.0
1568	231	9	<100	6.3	980	46.5	28.1	11.8
1568 O	160	101	<100	8.3	1560	8.6	4.4	2.0
1569	152	9	<100	7.0	440	62.1	34.4	7.5
1569 O	70	137	<100	8.4	13200	24.4	19.1	3.3
1570	150	3	<100	8.7	240	33.0	19.7	6.4
1570 O	188	13	<100	5.9	1790	90.8	55.6	12.3
1571	399	15	<100	8.1	540	56.0	35.2	10.6
1571 O	542	36	<100	8.7	3100	212	127	26.9
1572	222	29	<100	8.4	1810	39.2	20.5	8.0
1572 O	1130	44	<100	13.5	2740	109	54.2	21.9
1573	108	15	<100	5.0	210	27.5	16.8	4.7
1573 O	208	32	<100	6.9	2040	66.9	36.7	8.1
1574	213	10	<100	11.7	30200	42.8	26.0	9.2
1574 O	559	9	<100	7.1	1590	360	252	40.4
1575	488	8	<100	9.0	2130	87.3	48.7	16.1
1575 O	317	8	<100	7.6	780	127	72.0	18.8
1576	133	9	<100	8.2	620	35.7	20.0	4.9
1576 O	32	9	<100	8.5	60	39.2	30.8	1.2
1577	99	12	<100	7.8	250	25.0	14.2	4.0
1577 O	141	16	<100	9.8	340	28.7	13.7	5.0
1578	191	16	<100	6.9	380	19.8	9.9	4.9
1578 O	300	6	<100	1.1	42900	61.4	33.2	24.8
1579	98	11	<100	4.1	410	28.7	14.9	4.9
1579 O	309	101	<100	7.2	14100	27.6	13.4	5.5
1580	217	12	<100	5.4	530	42.6	22.5	8.6
1580 O	361	19	<100	7.6	1150	49.5	24.5	7.9
1581	393	75	<100	6.3	1350	33.6	16.6	13.6
1581 O	118	10	<100	10.4	150	87.2	48.2	4.7
1582	171	28	<100	9.1	1770	34.4	20.7	6.9
1582 O	559	18	<100	9.9	1190	136	70.8	16.9

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1583	106	7	<100	11.5	1260	50.9	32.3	12.2
1583 O	63	7	<100	9.8	180	20.5	13.1	2.8
1584	124	11	<100	11.4	1120	38.0	23.1	8.7
1584 O	506	28	<100	4.7	1720	201	132	22.3

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Final : VC151807 Order: DeCoors / Hot Bath Project 1543-1584

Report File No.: 0000012410

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1543	30	6.8	12.0	<1	0.3	4.5	15	<1
1543 O	19	7.1	66.8	<1	<0.1	4.8	41	<1
1544	30	17.1	26.2	<1	0.2	11.0	88	<1
1544 O	59	5.0	156	<1	<0.1	6.5	1150	<1
1545	50	9.4	9.5	<1	0.3	11.2	17	<1
1545 O	40	6.3	32.2	1	0.3	7.0	127	<1
1546	79	8.9	57.2	<1	0.4	7.1	129	<1
1546 O	85	19.8	24.0	2	0.4	12.9	71	2
1547	24	13.5	75.8	<1	0.4	7.8	113	<1
1547 O	50	21.8	53.5	<1	0.6	6.9	69	<1
1548	36	8.5	28.0	<1	0.3	7.3	91	<1
1548 O	24	5.7	25.7	<1	0.2	5.6	53	<1
1549	37	8.3	11.1	<1	0.3	3.3	7	<1
1549 O	32	12.7	62.6	1	0.3	11.6	154	1
1550	23	11.0	83.3	<1	0.4	4.8	90	<1
1550 O	33	10.8	21.8	<1	0.3	5.5	41	<1
1551	39	6.4	19.9	<1	0.2	5.1	43	<1
1551 O	39	5.8	29.4	<1	0.3	3.2	72	<1
1552	40	7.1	16.7	<1	0.3	7.4	26	<1
1552 O	51	16.5	17.2	<1	0.2	8.6	39	1
1553	36	8.5	39.1	<1	0.2	6.2	63	<1
1553 O	37	15.1	25.4	<1	0.3	5.2	48	<1
1554	33	4.1	29.3	<1	0.1	6.8	107	<1
1554 O	67	6.8	19.3	1	0.5	12.2	66	1
1555	49	5.5	57.0	<1	0.2	5.7	138	<1
1555 O	17	9.7	121	<1	0.3	4.6	155	<1
1556	21	4.8	36.4	<1	0.2	12.1	135	<1
1556 O	42	20.2	38.3	<1	0.2	9.6	63	<1
1557	42	11.7	29.5	<1	0.3	6.3	81	<1
1557 O	35	4.8	22.3	<1	0.2	12.5	55	<1
1558	23	4.4	31.6	<1	0.2	7.9	103	<1
1558 O	47	13.5	16.8	<1	0.3	7.0	40	<1
1559	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1559 O	37	5.9	156	<1	0.1	5.0	143	1
1560	28	3.9	39.8	<1	0.2	17.8	71	<1
1560 O	41	9.9	106	<1	0.2	7.2	266	<1
1561	31	3.7	28.1	<1	0.1	11.7	70	<1
1561 O	32	19.8	199	<1	0.4	8.6	544	<1
1562	23	2.9	31.7	<1	0.2	6.8	43	<1
1562 O	28	21.1	139	<1	0.3	4.2	352	<1

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Final : VC151807 Order: DeCoors / Hot Bath Project 1543-1584

Report File No.: 0000012410

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1563	30	11.7	76.9	<1	0.2	12.1	165	<1
1563 O	20	3.6	78.7	<1	<0.1	8.3	70	<1
1564	15	10.8	40.7	<1	0.1	18.3	120	<1
1564 O	172	5.4	13.9	<1	0.1	23.1	26	<1
1565	12	7.8	60.5	<1	<0.1	15.0	120	<1
1565 O	95	4.1	86.3	<1	0.1	11.5	166	<1
1566	40	14.4	119	<1	0.4	11.9	184	<1
1566 O	268	2.1	3.4	<1	0.2	11.1	5	<1
1567	33	11.5	13.3	<1	0.2	7.2	30	<1
1567 O	99	3.9	5.5	<1	<0.1	6.0	14	<1
1568	26	10.6	57.0	<1	<0.1	9.6	220	5
1568 O	83	5.1	8.9	<1	0.1	8.7	35	<1
1569	29	7.2	47.2	<1	0.3	3.3	46	<1
1569 O	245	3.3	16.1	<1	0.3	19.3	31	<1
1570	15	7.2	31.1	<1	0.2	5.4	52	<1
1570 O	12	3.3	74.0	<1	0.1	9.8	88	<1
1571	29	10.1	58.7	1	0.2	18.5	147	<1
1571 O	16	3.4	162	<1	0.2	3.7	210	<1
1572	29	7.3	34.2	<1	0.2	19.0	72	<1
1572 O	37	9.4	125	<1	0.2	7.1	561	<1
1573	42	9.9	22.2	1	0.3	13.2	39	<1
1573 O	40	15.1	52.4	<1	0.5	5.2	58	<1
1574	46	11.6	41.0	<1	0.2	7.6	103	1
1574 O	12	2.5	248	<1	0.1	15.3	410	<1
1575	31	12.2	94.1	1	0.2	12.5	242	1
1575 O	18	7.1	95.6	<1	0.3	8.9	109	<1
1576	32	7.8	26.0	<1	0.3	5.8	47	<1
1576 O	26	9.2	11.6	<1	0.4	5.0	11	<1
1577	27	4.0	19.1	<1	0.1	6.7	38	<1
1577 O	28	7.5	23.5	<1	0.2	6.9	52	<1
1578	39	8.4	20.1	<1	0.2	11.6	68	1
1578 O	15	1.0	95.8	<1	<0.1	6.6	111	<1
1579	40	11.4	23.9	<1	0.2	7.7	35	<1
1579 O	91	12.6	28.6	<1	0.3	6.7	125	1
1580	32	6.7	40.2	<1	0.2	5.4	74	<1
1580 O	29	10.8	44.7	<1	0.2	7.0	120	<1
1581	28	3.8	44.5	<1	<0.1	8.9	227	2
1581 O	31	12.0	43.7	<1	0.5	4.8	32	<1
1582	42	7.4	30.7	<1	0.3	7.7	69	<1
1582 O	31	13.6	113	<1	0.3	5.3	187	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1583	19	7.2	55.9	<1	<0.1	10.6	85	<1
1583 O	35	9.2	13.4	<1	0.3	7.2	25	<1
1584	28	2.8	36.8	<1	0.1	7.0	72	<1
1584 O	20	6.2	135	<1	0.4	2.9	185	<1

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Final : VC151807 Order: DeCoors / Hot Bath Project 1543-1584

Report File No.: 0000012410

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1543	<0.5	200	<2	3.2	32	80	1.7	43
1543 O	13.0	100	23	0.7	155	38	0.5	16
1544	1.1	800	4	5.8	116	45	6.5	84
1544 O	3.7	4600	26	<0.5	974	17	4.2	75
1545	0.7	500	3	6.2	27	60	2.3	65
1545 O	3.2	1700	12	4.6	146	47	9.2	36
1546	2.2	1300	10	9.5	232	31	15.7	106
1546 O	3.3	1700	9	11.3	96	73	21.6	44
1547	<0.5	400	3	7.7	253	39	1.5	98
1547 O	0.6	1100	4	25.0	153	51	4.3	142
1548	1.2	1500	3	6.1	125	50	5.6	49
1548 O	1.3	300	<2	3.6	93	32	7.8	83
1549	1.1	<100	<2	2.5	20	58	0.8	57
1549 O	2.1	2900	6	10.6	243	65	9.2	74
1550	<0.5	300	<2	3.9	256	31	0.4	142
1550 O	1.3	200	3	6.8	76	43	1.8	105
1551	1.0	500	2	3.7	72	59	3.7	29
1551 O	1.1	500	3	12.1	113	30	3.4	90
1552	3.0	900	4	2.8	55	64	4.2	41
1552 O	1.5	300	5	11.0	59	66	5.4	85
1553	1.7	700	4	4.8	122	53	7.6	39
1553 O	0.8	800	4	12.9	85	48	5.3	55
1554	17.3	1500	3	1.4	128	63	4.7	26
1554 O	2.1	1800	5	12.1	81	48	9.8	36
1555	6.9	700	4	5.6	205	91	9.4	40
1555 O	0.7	2400	6	6.6	432	26	0.6	123
1556	4.1	1100	5	5.6	174	13	3.9	59
1556 O	5.3	200	13	6.7	122	41	3.3	96
1557	1.8	1100	4	14.5	124	49	5.0	81
1557 O	1.0	700	3	3.0	93	37	3.0	70
1558	6.3	1700	3	4.5	128	9	3.7	68
1558 O	1.5	800	4	8.0	70	62	6.6	35
1559	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1559 O	5.4	1300	7	2.3	385	24	0.9	65
1560	3.2	1800	4	4.9	134	31	4.6	63
1560 O	0.7	2200	156	5.7	487	13	4.2	78
1561	5.0	800	5	5.2	102	28	2.9	53
1561 O	<0.5	1900	11	17.4	916	24	1.5	90
1562	0.8	700	2	1.6	102	65	3.3	72
1562 O	<0.5	500	5	9.6	596	24	0.7	66

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Final : VC151807 Order: DeCoors / Hot Bath Project 1543-1584

Report File No.: 0000012410

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1563	1.2	2700	9	9.4	300	25	6.9	198
1563 O	1.5	5600	9	4.2	182	97	0.5	23
1564	1.3	1100	3	2.5	169	14	5.1	86
1564 O	7.1	6900	48	5.3	41	28	1.6	19
1565	0.5	1300	3	0.9	234	7	1.8	82
1565 O	4.9	14100	66	7.8	290	33	1.4	36
1566	1.6	1100	5	9.3	384	51	1.3	84
1566 O	17.3	1800	11	2.9	8	160	0.4	<5
1567	0.6	700	6	7.1	46	53	7.9	48
1567 O	1.7	700	8	4.4	17	106	1.2	32
1568	5.7	1200	2	12.0	256	17	1.8	58
1568 O	3.6	15000	60	2.8	37	34	1.6	65
1569	<0.5	100	2	4.7	134	44	0.5	106
1569 O	11.0	13300	151	8.6	51	200	0.7	30
1570	<0.5	200	10	2.8	106	26	1.1	62
1570 O	2.6	1100	11	1.7	192	57	0.6	49
1571	0.9	900	8	5.4	217	40	4.4	62
1571 O	1.1	4200	10	4.7	502	38	1.1	81
1572	2.3	1500	5	3.6	128	66	6.2	44
1572 O	1.4	3200	26	13.1	617	35	4.1	103
1573	2.2	1900	2	3.8	73	90	3.6	53
1573 O	<0.5	400	6	14.2	155	63	3.6	110
1574	1.1	800	6	26.8	145	45	4.2	47
1574 O	17.9	1000	3	1.6	730	42	<0.1	61
1575	1.5	2400	6	14.2	369	42	5.5	66
1575 O	1.0	500	5	6.7	297	38	0.9	112
1576	<0.5	500	7	6.2	86	60	3.2	68
1576 O	<0.5	<100	<2	5.1	25	39	0.4	225
1577	0.6	200	4	1.8	67	62	2.5	47
1577 O	0.7	600	4	5.6	87	57	4.9	57
1578	2.0	800	6	6.5	86	46	7.5	151
1578 O	115	300	<2	<0.5	321	165	<0.1	7
1579	2.9	900	2	6.3	77	85	3.6	69
1579 O	5.6	4900	20	11.7	119	18	11.7	45
1580	3.4	300	<2	5.6	146	60	2.3	69
1580 O	1.4	1500	5	9.3	193	52	2.3	53
1581	31.0	1500	14	1.0	214	32	1.0	20
1581 O	<0.5	200	<2	6.3	101	54	0.3	152
1582	1.1	800	6	2.8	106	45	8.9	35
1582 O	<0.5	400	4	4.9	399	64	0.7	59

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1583	1.8	300	13	3.9	167	15	0.5	29
1583 O	0.6	500	4	5.0	47	66	2.3	75
1584	2.9	700	10	1.8	120	41	1.3	51
1584 O	<0.5	200	3	4.1	479	58	0.5	76

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1543	<1	6.2	<0.1	80	<0.5	23	9	<1
1543 O	<1	25.2	<0.1	23	<0.5	38	52	<1
1544	<1	27.5	<0.1	71	0.5	35	27	<1
1544 O	<1	242	<0.1	80	<0.5	54	169	<1
1545	<1	5.5	<0.1	101	<0.5	21	7	<1
1545 O	<1	32.8	<0.1	128	<0.5	31	35	<1
1546	<1	46.8	<0.1	94	0.5	52	60	<1
1546 O	<1	21.3	<0.1	111	0.6	37	23	<1
1547	<1	53.2	<0.1	143	<0.5	19	61	<1
1547 O	<1	31.5	<0.1	129	<0.5	24	43	1
1548	<1	27.7	<0.1	113	<0.5	37	30	<1
1548 O	<1	18.8	<0.1	93	<0.5	30	23	<1
1549	<1	3.8	<0.1	61	<0.5	12	7	<1
1549 O	<1	51.3	<0.1	201	<0.5	57	60	<1
1550	<1	51.3	<0.1	96	<0.5	15	66	<1
1550 O	<1	16.1	<0.1	107	<0.5	24	18	<1
1551	<1	16.3	<0.1	108	<0.5	20	18	<1
1551 O	<1	25.0	<0.1	146	<0.5	24	27	<1
1552	<1	10.5	<0.1	176	<0.5	23	13	<1
1552 O	<1	13.0	<0.1	81	<0.5	21	15	<1
1553	<1	25.2	<0.1	153	<0.5	44	34	<1
1553 O	<1	17.3	<0.1	129	<0.5	36	23	<1
1554	<1	29.4	<0.1	107	<0.5	58	28	<1
1554 O	<1	17.7	<0.1	155	<0.5	28	19	<1
1555	<1	44.3	<0.1	109	<0.5	45	53	<1
1555 O	<1	87.5	<0.1	92	<0.5	18	102	<1
1556	<1	40.0	<0.1	85	<0.5	34	39	<1
1556 O	<1	25.2	<0.1	129	<0.5	15	34	<1
1557	<1	26.1	<0.1	111	<0.5	29	28	<1
1557 O	<1	19.5	<0.1	110	<0.5	21	22	<1
1558	<1	30.5	<0.1	77	<0.5	35	31	<1
1558 O	<1	14.0	<0.1	108	<0.5	29	15	<1
1559	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1559 O	<1	67.6	<0.1	107	<0.5	33	108	<1
1560	<1	28.2	<0.1	108	<0.5	35	34	<1
1560 O	<1	104	<0.1	185	0.8	89	108	<1
1561	<1	22.1	<0.1	98	<0.5	26	25	<1
1561 O	1	201	<0.1	168	0.5	43	197	<1
1562	<1	19.9	<0.1	103	<0.5	36	28	<1
1562 O	<1	137	<0.1	125	<0.5	34	137	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1563	<1	63.3	<0.1	90	<0.5	68	72	<1
1563 O	<1	32.6	<0.1	92	<0.5	43	52	<1
1564	<1	38.6	<0.1	92	<0.5	55	39	<1
1564 O	<1	7.9	<0.1	42	<0.5	27	10	<1
1565	<1	47.1	<0.1	141	<0.5	54	56	<1
1565 O	<1	60.6	<0.1	105	0.6	81	73	<1
1566	<1	82.1	<0.1	80	<0.5	44	98	<1
1566 O	<1	1.6	<0.1	92	<0.5	32	2	<1
1567	<1	9.6	<0.1	87	<0.5	30	12	<1
1567 O	<1	4.0	<0.1	88	<0.5	17	4	<1
1568	<1	59.3	<0.1	78	0.7	66	56	1
1568 O	<1	8.9	<0.1	156	<0.5	20	9	<1
1569	<1	27.0	<0.1	65	<0.5	29	36	<1
1569 O	<1	10.5	<0.1	138	1.4	71	13	<1
1570	<1	21.7	<0.1	80	<0.5	37	26	<1
1570 O	<1	37.8	<0.1	135	<0.5	32	52	<1
1571	<1	49.2	<0.1	127	<0.5	50	55	<1
1571 O	<1	105	<0.1	98	<0.5	47	122	<1
1572	<1	25.5	<0.1	130	<0.5	42	30	<1
1572 O	<1	151	<0.1	87	0.8	57	130	<1
1573	<1	14.6	<0.1	75	<0.5	36	18	<1
1573 O	<1	32.2	<0.1	69	<0.5	33	41	<1
1574	<1	32.3	<0.1	130	0.7	41	37	2
1574 O	<1	147	<0.1	125	<0.5	63	174	<1
1575	<1	86.0	<0.1	109	0.6	57	89	<1
1575 O	<1	59.9	<0.1	93	<0.5	34	78	<1
1576	<1	18.0	<0.1	87	<0.5	32	22	<1
1576 O	<1	4.7	<0.1	81	<0.5	11	7	<1
1577	<1	14.4	<0.1	115	<0.5	23	16	<1
1577 O	<1	18.7	<0.1	96	<0.5	36	21	<1
1578	<1	19.3	<0.1	135	<0.5	30	21	<1
1578 O	<1	54.9	<0.1	47	<0.5	35	88	<1
1579	<1	14.6	<0.1	85	<0.5	29	20	<1
1579 O	<1	30.2	<0.1	112	0.6	47	29	<1
1580	<1	30.3	<0.1	97	<0.5	31	36	<1
1580 O	1	40.1	<0.1	105	<0.5	40	45	<1
1581	<1	48.5	<0.1	103	<0.5	31	46	<1
1581 O	<1	18.6	<0.1	124	<0.5	15	29	<1
1582	<1	22.5	<0.1	136	<0.5	42	27	<1
1582 O	<1	89.3	<0.1	111	<0.5	41	100	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1583	<1	31.6	<0.1	374	<0.5	44	47	<1
1583 O	<1	9.1	<0.1	104	<0.5	27	12	<1
1584	<1	23.8	<0.1	111	<0.5	21	29	<1
1584 O	<1	102	<0.1	56	<0.5	52	111	<1

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Final : VC151807 Order: DeCoors / Hot Bath Project 1543-1584

Report File No.: 0000012410

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1543	<10	<1	3.1	40	4.7	280	0.1	13.9
1543 O	1840	<1	10.5	<10	21.8	90	<0.1	13.8
1544	40	<1	4.2	<10	38.9	900	<0.1	41.8
1544 O	100	<1	22.9	<10	146	190	0.3	131
1545	<10	<1	2.5	20	9.2	300	0.3	11.5
1545 O	270	<1	5.3	<10	46.8	540	0.4	37.4
1546	60	<1	9.8	<10	151	700	1.0	141
1546 O	140	<1	3.9	<10	41.0	1300	0.3	27.7
1547	<10	<1	16.1	<10	22.4	330	0.5	31.3
1547 O	<10	1	10.6	<10	22.1	500	0.3	21.8
1548	20	<1	4.6	<10	35.7	640	0.2	24.2
1548 O	70	<1	4.1	<10	15.7	560	0.2	14.3
1549	140	<1	2.7	20	2.0	200	<0.1	10.1
1549 O	230	<1	9.8	<10	74.1	750	0.4	62.1
1550	30	<1	17.9	<10	13.5	60	0.3	33.4
1550 O	30	<1	4.3	<10	17.4	540	0.2	18.6
1551	40	<1	3.5	<10	16.4	300	0.2	17.8
1551 O	50	<1	4.5	<10	34.5	740	0.3	16.7
1552	150	<1	3.3	<10	25.1	330	0.2	20.6
1552 O	40	<1	3.2	<10	19.1	850	0.1	16.3
1553	160	<1	6.9	<10	43.3	470	<0.1	37.6
1553 O	20	<1	4.8	<10	37.8	870	0.3	43.6
1554	1090	<1	4.8	<10	76.5	210	<0.1	52.4
1554 O	80	<1	3.1	<10	44.5	560	0.2	30.3
1555	290	<1	9.7	<10	68.2	360	0.1	43.7
1555 O	50	<1	20.9	<10	11.6	130	0.4	63.0
1556	240	<1	6.0	<10	72.5	630	0.2	42.9
1556 O	350	<1	6.5	<10	21.3	910	<0.1	33.1
1557	100	<1	4.9	<10	42.4	1090	0.1	29.2
1557 O	60	<1	4.1	<10	33.0	400	<0.1	20.4
1558	310	<1	5.0	<10	75.6	570	<0.1	32.2
1558 O	60	<1	3.2	<10	24.8	710	0.2	28.3
1559	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
1559 O	970	<1	28.0	10	18.6	130	0.3	429
1560	230	<1	6.7	<10	34.8	350	0.2	29.7
1560 O	80	<1	15.0	<10	91.7	620	0.7	295
1561	470	<1	5.1	<10	32.7	330	<0.1	48.6
1561 O	<10	<1	30.2	<10	57.2	780	0.5	106
1562	80	<1	6.1	<10	13.7	230	0.2	34.1
1562 O	<10	<1	22.3	<10	41.1	340	0.5	59.4

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1563	270	<1	11.1	<10	43.0	610	0.4	114
1563 O	140	<1	16.2	<10	14.5	310	0.3	645
1564	330	<1	6.1	<10	49.7	430	0.2	74.4
1564 O	750	<1	2.7	<10	6.8	330	0.6	244
1565	350	<1	8.4	<10	22.8	180	<0.1	107
1565 O	530	<1	12.7	<10	28.7	440	0.3	803
1566	160	<1	22.5	<10	28.3	270	0.4	113
1566 O	530	<1	0.8	<10	1.8	140	<0.1	377
1567	20	<1	2.4	<10	23.3	580	0.2	24.2
1567 O	60	<1	1.2	<10	10.7	360	0.2	56.5
1568	460	<1	8.2	<10	55.4	1050	<0.1	89.9
1568 O	310	<1	1.4	<10	64.9	590	<0.1	38.3
1569	70	<1	9.0	<10	7.3	130	0.2	26.7
1569 O	590	<1	3.2	<10	12.6	400	0.2	911
1570	40	<1	4.9	<10	10.8	330	<0.1	21.7
1570 O	610	<1	13.4	<10	12.6	160	0.2	458
1571	220	<1	9.0	<10	88.6	610	0.2	89.4
1571 O	180	<1	31.1	<10	20.7	290	0.7	586
1572	210	<1	5.9	<10	40.7	520	0.2	39.5
1572 O	140	<1	19.2	<10	114	1010	0.4	204
1573	110	<1	4.1	<10	15.7	400	<0.1	21.5
1573 O	<10	<1	9.8	<10	24.0	280	0.5	34.3
1574	100	<1	6.6	<10	43.4	940	0.1	71.6
1574 O	2540	<1	47.5	<10	6.3	90	0.1	626
1575	230	<1	14.5	<10	59.9	610	0.1	96.4
1575 O	200	<1	18.9	<10	10.5	210	0.3	167
1576	10	<1	5.3	<10	16.5	370	0.2	35.9
1576 O	<10	<1	4.0	<10	5.5	70	0.4	12.9
1577	50	<1	3.6	<10	15.6	260	<0.1	18.0
1577 O	20	<1	4.4	<10	15.0	540	0.2	21.6
1578	140	<1	3.3	<10	43.9	830	0.2	25.6
1578 O	3600	<1	11.8	<10	36.8	<10	<0.1	82.8
1579	190	<1	4.5	<10	19.0	650	<0.1	23.5
1579 O	190	<1	4.3	<10	224	1540	0.9	67.4
1580	150	<1	7.0	<10	27.4	600	0.2	27.5
1580 O	30	<1	8.2	<10	38.5	940	0.1	32.7
1581	1800	<1	5.9	<10	106	340	<0.1	61.1
1581 O	<10	<1	11.6	<10	11.3	90	0.6	22.2
1582	30	<1	5.5	<10	52.5	480	0.3	61.6
1582 O	<10	<1	20.4	<10	17.5	250	0.4	32.9

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1583	120	<1	8.5	<10	15.8	340	<0.1	99.6
1583 O	20	<1	3.0	<10	11.4	420	0.2	15.6
1584	280	<1	5.7	<10	19.8	170	<0.1	42.7
1584 O	20	<1	27.7	<10	6.7	250	0.2	58.4

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1543	<0.5	127	11.1	280	85
1543 O	<0.5	438	34.0	50	28
1544	0.6	165	13.5	80	133
1544 O	<0.5	937	48.8	40	109
1545	<0.5	110	12.0	390	167
1545 O	<0.5	133	11.0	30	186
1546	<0.5	237	22.5	110	435
1546 O	<0.5	106	10.1	50	236
1547	<0.5	527	42.4	290	578
1547 O	<0.5	450	32.8	340	725
1548	<0.5	131	10.2	130	311
1548 O	<0.5	142	12.3	40	116
1549	<0.5	145	11.5	80	43
1549 O	<0.5	318	26.4	130	505
1550	<0.5	690	47.6	130	278
1550 O	<0.5	162	12.2	40	156
1551	<0.5	115	8.5	160	182
1551 O	<0.5	144	11.3	30	268
1552	<0.5	123	10.1	190	133
1552 O	<0.5	116	11.3	200	143
1553	<0.5	242	21.6	60	93
1553 O	<0.5	158	15.7	170	326
1554	<0.5	173	16.1	90	64
1554 O	<0.5	87	7.3	60	267
1555	<0.5	324	25.2	40	156
1555 O	<0.5	946	49.8	70	220
1556	<0.5	191	16.6	40	255
1556 O	<0.5	267	18.5	40	90
1557	<0.5	162	14.1	70	271
1557 O	<0.5	132	11.9	70	117
1558	<0.5	169	15.3	40	186
1558 O	<0.5	123	9.6	370	153
1559	LNR	LNR	LNR	LNR	LNR
1559 O	<0.5	1640	96.5	30	149
1560	<0.5	265	21.8	190	143
1560 O	0.5	457	39.5	80	463
1561	<0.5	184	16.2	100	187
1561 O	<0.5	1110	78.2	220	1180
1562	<0.5	233	18.2	70	98
1562 O	<0.5	769	54.0	100	1030

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Final : VC151807 Order: DeCoors / Hot Bath Project 1543-1584

Report File No.: 0000012410

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1563	0.6	374	33.1	460	436
1563 O	<0.5	1080	65.7	60	190
1564	<0.5	228	21.1	60	122
1564 O	<0.5	169	12.6	100	98
1565	<0.5	354	27.7	80	89
1565 O	<0.5	567	48.8	190	429
1566	<0.5	1020	70.4	260	487
1566 O	<0.5	59	10.3	90	92
1567	<0.5	85	8.4	260	162
1567 O	<0.5	59	6.2	60	111
1568	<0.5	286	23.3	60	249
1568 O	0.9	39	3.6	70	122
1569	<0.5	370	25.2	20	133
1569 O	<0.5	165	18.2	130	257
1570	<0.5	205	13.9	20	117
1570 O	<0.5	593	40.5	70	177
1571	<0.5	359	31.0	50	240
1571 O	<0.5	1470	92.1	50	223
1572	<0.5	203	17.1	120	159
1572 O	1.0	646	39.1	350	671
1573	<0.5	164	13.4	360	107
1573 O	<0.5	359	29.3	80	531
1574	0.7	250	23.1	70	693
1574 O	0.6	3600	185	330	89
1575	<0.5	440	41.8	180	1290
1575 O	<0.5	848	52.4	40	202
1576	<0.5	199	15.8	80	277
1576 O	<0.5	201	23.7	40	192
1577	<0.5	124	11.7	160	86
1577 O	1.3	137	10.9	190	230
1578	<0.5	91	8.1	140	281
1578 O	<0.5	371	25.6	70	42
1579	<0.5	149	11.6	120	131
1579 O	1.0	128	11.6	60	325
1580	<0.5	240	17.8	30	120
1580 O	<0.5	263	18.4	190	588
1581	<0.5	206	13.9	30	129
1581 O	<0.5	417	33.3	90	309
1582	<0.5	212	16.9	80	51
1582 O	<0.5	760	52.3	110	384

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Final : VC151807 Order: DeCoors / Hot Bath Project 1543-1584

Report File No.: 0000012410

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1583	<0.5	385	24.4	110	209
1583 O	<0.5	117	9.6	370	154
1584	<0.5	282	18.5	40	98
1584 O	<0.5	1540	99.9	110	134

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SGS

Certificate of Analysis
Work Order : VC151808
[Report File No.: 0000012411]

Date: August 21, 2015

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

P.O. No.: DeCoors / Hot Bath Project 1585-1652
Project No.: -
Samples: 84
Received: Jul 24, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:
L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Member of the SGS Group (Société Générale de Surveillance)

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1585	6.8	245	<10	1.3	250	<0.5	12	<1
1585 O	3.7	244	<10	<0.1	440	<0.5	5	16
1586	2.9	242	<10	<0.1	270	<0.5	<2	3
1586 O	4.9	234	<10	0.1	1050	<0.5	73	8
1587	8.3	124	<10	0.7	390	<0.5	23	4
1587 O	3.0	296	<10	<0.1	840	<0.5	15	5
1588	5.8	172	<10	0.8	260	<0.5	5	1
1588 O	6.5	214	<10	0.1	300	<0.5	<2	5
1589	11.7	276	<10	0.3	360	<0.5	<2	2
1589 O	3.2	259	<10	<0.1	730	<0.5	6	12
1590	9.8	164	<10	0.3	210	<0.5	7	2
1590 O	6.3	139	<10	0.2	1030	<0.5	20	4
1591	13.9	132	<10	0.2	80	<0.5	<2	3
1591 O	4.3	278	<10	<0.1	400	<0.5	2	8
1592	12.0	118	<10	<0.1	70	<0.5	<2	2
1592 O	2.7	302	<10	<0.1	1530	<0.5	14	2
1593	5.1	248	<10	0.3	250	<0.5	6	3
1593 O	2.7	300	<10	<0.1	1160	<0.5	10	9
1594	4.0	233	<10	0.2	310	<0.5	<2	4
1594 O	2.0	295	<10	<0.1	740	<0.5	8	4
1595	10.8	146	<10	0.3	170	<0.5	40	7
1595 O	4.1	298	<10	<0.1	810	<0.5	11	9
1596	9.9	99	<10	0.2	180	<0.5	3	5
1596 O	3.7	178	<10	<0.1	4910	<0.5	204	4
1597	17.5	164	<10	0.2	280	<0.5	6	5
1597 O	3.9	308	<10	<0.1	1190	<0.5	9	3
1598	7.3	247	<10	0.3	140	<0.5	4	3
1598 O	3.4	300	<10	0.2	790	<0.5	10	4
1599	9.4	222	<10	0.3	190	<0.5	12	3
1599 O	2.5	192	<10	<0.1	240	<0.5	<2	6
1600	12.9	119	<10	0.4	560	<0.5	164	4
1600 O	2.2	260	<10	<0.1	730	<0.5	9	5
1601	3.6	192	<10	<0.1	530	<0.5	36	5
1602	1.7	261	<10	<0.1	720	<0.5	19	3
1603	3.8	277	<10	<0.1	500	<0.5	6	10
1604	3.8	215	<10	<0.1	170	<0.5	<2	6
1605	3.0	310	<10	<0.1	950	<0.5	19	5
1606	5.7	360	<10	<0.1	1330	<0.5	15	8
1607	6.1	279	<10	0.3	680	<0.5	16	10
1608	2.6	320	<10	<0.1	770	<0.5	7	8

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1609	8.2	301	<10	0.2	2030	<0.5	53	4
1610	6.4	323	<10	0.2	1590	<0.5	54	2
1611	4.6	286	<10	<0.1	2450	<0.5	30	4
1612	10.2	291	<10	0.2	5010	<0.5	53	10
1613	3.5	295	<10	0.1	2040	<0.5	53	5
1614	5.6	274	<10	<0.1	2980	<0.5	43	5
1615	2.1	303	<10	<0.1	1140	<0.5	8	5
1616	3.2	330	<10	<0.1	2380	<0.5	19	4
1617	4.3	323	<10	<0.1	1590	<0.5	12	5
1618	6.6	234	<10	<0.1	1300	<0.5	71	4
1619	5.2	241	<10	<0.1	1980	<0.5	45	4
1620	6.7	272	<10	0.9	380	<0.5	18	2
1621	2.0	255	<10	<0.1	2300	<0.5	62	53
1622	0.9	173	<10	<0.1	220	<0.5	<2	10
1623	3.4	284	<10	<0.1	530	<0.5	<2	9
1624	2.5	178	<10	<0.1	740	<0.5	7	14
1625	2.4	247	<10	<0.1	590	<0.5	21	23
1626	0.8	244	<10	<0.1	620	<0.5	20	9
1627	1.8	209	<10	<0.1	500	<0.5	7	24
1628	6.7	209	<10	<0.1	730	<0.5	40	6
1629	9.7	125	<10	0.1	580	<0.5	17	6
1630	8.3	108	<10	0.2	620	<0.5	83	4
1631	7.2	142	<10	2.0	1030	<0.5	392	7
1632	5.8	128	<10	1.5	1190	<0.5	407	3
1633	13.6	84	<10	1.2	2660	<0.5	815	4
1634	14.9	122	<10	0.3	7230	<0.5	314	4
1635	18.5	107	<10	0.4	4530	<0.5	283	8
1636	18.6	87	<10	0.5	5950	<0.5	551	3
1637	7.4	135	<10	0.6	1860	<0.5	232	4
1638	10.4	194	<10	1.2	360	<0.5	36	4
1639	1.6	245	<10	<0.1	4880	<0.5	124	2
1640	3.7	243	<10	0.2	1080	<0.5	110	5
1641	16.4	134	<10	2.5	590	<0.5	124	4
1642	17.7	101	<10	0.5	1420	<0.5	146	3
1643	6.2	118	<10	1.0	2230	<0.5	279	4
1644	17.0	72	<10	0.2	970	<0.5	118	3
1645	3.3	215	<10	0.4	6390	<0.5	235	3
1646	6.0	95	<10	<0.1	8640	<0.5	687	2
1647	1.4	206	<10	<0.1	2280	<0.5	276	3
1648	4.5	195	<10	0.3	2220	<0.5	213	5

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1649	1.8	115	<10	0.3	4160	<0.5	211	2
1650	3.1	353	<10	0.1	970	<0.5	8	6
1651	14.0	95	<10	0.5	3410	<0.5	238	4
1652	8.2	149	<10	0.2	3350	<0.5	143	4

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1585	277	10	<100	8.9	540	27.4	12.5	4.5
1585 O	121	28	<100	6.8	410	35.6	18.3	5.7
1586	77	7	<100	6.7	140	28.9	16.9	3.6
1586 O	139	14	<100	7.5	970	38.5	20.9	7.4
1587	154	5	<100	8.4	7280	252	164	43.3
1587 O	84	24	<100	6.2	660	20.4	10.4	4.1
1588	901	20	<100	12.9	1570	93.5	48.1	19.8
1588 O	251	6	<100	8.1	1410	63.5	33.0	8.4
1589	179	6	<100	12.6	1190	41.1	18.8	7.6
1589 O	148	8	<100	10.2	840	39.1	21.2	6.3
1590	847	10	<100	10.9	730	127	63.7	24.9
1590 O	590	9	<100	8.0	1560	107	59.3	24.9
1591	772	5	<100	13.2	1270	150	89.4	21.0
1591 O	105	39	<100	4.5	300	25.4	15.4	4.0
1592	713	5	<100	9.8	410	146	81.5	20.0
1592 O	135	76	<100	5.8	230	29.7	18.8	5.5
1593	543	14	<100	8.9	450	57.3	27.2	10.5
1593 O	105	20	<100	5.3	140	22.5	12.3	4.4
1594	203	6	<100	12.6	690	51.4	29.9	5.7
1594 O	172	16	<100	4.3	430	36.6	17.4	5.2
1595	478	5	<100	8.1	980	133	70.2	17.4
1595 O	153	14	<100	4.5	3500	28.5	15.2	6.1
1596	330	9	<100	8.6	720	102	58.6	12.9
1596 O	167	9	<100	2.2	590	61.8	37.2	16.7
1597	1060	3	<100	18.3	700	207	104	25.6
1597 O	115	15	<100	5.5	470	22.2	13.0	4.9
1598	365	16	<100	10.3	400	44.3	22.8	9.4
1598 O	343	23	<100	6.8	1120	56.1	29.4	9.7
1599	495	19	<100	17.5	1600	76.4	38.9	16.5
1599 O	208	11	<100	7.7	220	64.4	35.2	6.9
1600	173	6	<100	10.4	1250	98.3	59.4	19.6
1600 O	100	18	<100	7.1	330	22.7	12.4	4.3
1601	391	11	<100	8.3	790	60.0	30.6	14.5
1602	143	7	<100	6.6	280	25.5	13.8	5.4
1603	196	11	<100	6.9	440	73.9	40.6	14.0
1604	83	26	<100	5.7	520	30.9	17.5	3.8
1605	138	9	<100	6.4	550	41.5	22.5	7.8
1606	259	31	<100	10.4	1460	49.3	26.2	10.8
1607	152	37	<100	7.5	490	37.1	18.0	7.8
1608	102	25	<100	7.6	220	23.3	12.8	4.3

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1609	209	106	<100	8.0	1410	51.8	30.1	10.7
1610	382	23	<100	7.0	1060	49.5	25.8	12.1
1611	221	54	<100	11.8	1040	39.0	21.1	8.6
1612	235	116	<100	7.7	3630	72.1	37.4	17.5
1613	315	24	<100	5.3	540	39.5	22.2	8.2
1614	202	61	<100	5.4	480	62.1	30.5	11.4
1615	146	11	<100	3.4	120	33.4	19.2	6.2
1616	252	20	<100	4.4	320	42.6	22.7	7.8
1617	284	9	<100	5.1	430	47.6	24.8	9.2
1618	163	14	<100	6.6	2070	26.9	12.3	7.7
1619	156	13	<100	4.8	1000	37.0	16.5	9.0
1620	311	27	<100	3.4	570	319	182	49.9
1621	195	84	<100	5.8	1320	76.5	44.8	8.3
1622	20	7	<100	8.5	150	10.8	14.5	0.4
1623	108	15	<100	4.7	220	19.6	9.9	3.4
1624	10	59	<100	5.2	1580	7.9	10.5	0.4
1625	59	34	<100	3.5	440	27.5	15.6	3.7
1626	13	67	<100	1.9	150	8.6	10.6	0.7
1627	80	115	<100	7.1	2610	39.1	23.4	3.3
1628	180	4	<100	5.4	1210	42.7	20.7	7.8
1629	265	4	<100	6.9	970	73.9	39.7	11.6
1630	286	9	<100	6.9	810	75.0	45.4	12.2
1631	112	18	<100	3.4	1770	79.8	50.8	14.0
1632	92	7	<100	3.7	1210	62.6	37.8	12.1
1633	7	28	<100	2.9	3390	21.3	12.6	4.9
1634	205	6	<100	4.8	690	84.9	55.1	19.9
1635	349	13	<100	5.7	1700	71.9	42.2	15.4
1636	161	3	<100	4.5	1100	39.3	24.4	8.8
1637	251	17	<100	5.3	580	100	63.0	17.4
1638	560	3	<100	8.8	1010	212	116	35.4
1639	180	4	<100	2.9	40	23.7	13.7	4.2
1640	456	9	<100	3.2	330	103	60.6	15.4
1641	362	3	<100	4.9	820	286	186	39.9
1642	289	16	<100	4.2	1400	68.3	36.1	17.1
1643	108	18	<100	3.7	990	56.9	33.4	10.7
1644	218	4	<100	8.2	340	71.6	44.9	9.4
1645	218	21	<100	3.5	940	14.7	6.7	4.0
1646	120	3	<100	1.3	930	25.3	15.7	5.0
1647	523	6	<100	2.2	210	51.3	31.0	8.8
1648	260	5	<100	3.7	620	112	71.3	18.6

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1649	113	128	<100	5.4	3350	64.2	46.7	7.2
1650	201	10	<100	6.3	210	28.3	15.1	6.3
1651	152	4	<100	7.0	1440	70.1	40.1	13.8
1652	705	22	<100	10.3	880	142	81.0	31.9

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1585	64	9.4	33.3	1	<0.1	7.9	111	<1
1585 O	26	10.3	27.1	<1	0.2	9.2	42	<1
1586	40	8.7	19.0	1	0.2	4.4	26	<1
1586 O	29	4.6	34.2	<1	<0.1	14.0	67	<1
1587	18	4.4	201	<1	<0.1	2.7	280	<1
1587 O	29	4.3	18.8	<1	0.2	6.1	34	<1
1588	15	6.5	108	<1	<0.1	7.4	417	<1
1588 O	23	11.5	53.0	<1	0.3	5.0	92	<1
1589	26	3.0	37.0	<1	0.1	3.4	81	<1
1589 O	30	9.5	33.3	<1	0.3	9.9	61	<1
1590	26	22.5	141	<1	0.2	4.2	339	<1
1590 O	16	6.5	127	<1	<0.1	8.7	368	<1
1591	16	18.6	142	<1	0.2	4.4	239	<1
1591 O	40	10.0	20.2	1	0.2	3.8	37	<1
1592	14	26.3	131	<1	0.2	4.0	193	<1
1592 O	64	18.1	26.5	1	0.2	7.9	49	2
1593	26	8.4	61.2	<1	0.2	5.2	221	<1
1593 O	48	26.0	19.8	2	0.2	8.7	40	2
1594	36	8.5	41.4	<1	0.3	7.3	70	<1
1594 O	30	10.6	31.8	1	0.3	9.5	60	<1
1595	18	8.3	118	<1	0.2	5.4	194	<1
1595 O	68	22.3	25.9	2	0.2	10.3	61	2
1596	17	11.1	76.2	<1	0.3	2.9	127	<1
1596 O	24	1.7	63.6	<1	<0.1	15.3	91	<1
1597	23	17.3	188	<1	0.2	4.9	412	<1
1597 O	52	21.2	20.6	2	0.2	13.4	50	<1
1598	26	5.8	44.3	<1	0.2	2.6	147	<1
1598 O	39	13.9	54.0	2	0.2	9.2	122	<1
1599	35	9.4	81.9	<1	0.2	7.5	171	<1
1599 O	27	7.5	47.6	<1	0.3	3.4	60	<1
1600	11	1.7	94.4	<1	<0.1	13.2	125	<1
1600 O	43	10.0	19.1	<1	0.2	9.3	39	<1
1601	30	11.8	69.2	<1	0.2	6.7	191	<1
1602	38	11.7	24.9	<1	0.1	8.5	54	<1
1603	39	15.1	64.4	<1	0.3	8.9	81	1
1604	27	7.6	21.0	<1	0.2	2.0	29	<1
1605	36	12.8	36.7	<1	0.2	6.6	56	<1
1606	54	17.3	47.0	1	0.3	12.4	97	1
1607	33	12.7	33.2	<1	0.1	6.1	60	<1
1608	50	21.2	19.5	1	0.1	9.6	40	1

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1609	58	6.7	46.8	<1	0.1	7.9	77	1
1610	36	5.0	58.4	<1	0.1	5.6	137	<1
1611	75	10.7	39.8	1	0.2	8.8	83	2
1612	44	3.6	61.3	<1	0.1	10.3	106	<1
1613	38	8.8	40.3	<1	0.1	13.7	125	<1
1614	49	6.9	52.4	<1	0.2	4.9	76	<1
1615	25	3.9	29.3	<1	0.1	4.1	43	<1
1616	56	8.2	40.5	<1	0.2	14.7	96	<1
1617	22	4.9	44.6	<1	0.1	15.5	109	<1
1618	27	6.3	30.0	<1	<0.1	11.1	55	<1
1619	19	3.5	36.6	<1	<0.1	9.9	51	<1
1620	32	6.8	269	<1	<0.1	4.6	81	<1
1621	55	7.6	53.9	<1	0.2	39.6	86	<1
1622	46	8.0	3.5	<1	0.5	15.5	8	<1
1623	69	20.9	15.6	<1	0.4	5.7	39	<1
1624	42	5.2	2.5	<1	0.3	10.3	4	<1
1625	38	12.0	17.9	<1	0.2	15.5	17	<1
1626	48	10.3	3.5	<1	0.2	10.2	5	<1
1627	41	8.8	23.1	<1	0.2	22.3	25	<1
1628	23	3.2	40.3	<1	0.2	20.3	69	<1
1629	16	5.6	62.3	<1	0.1	7.3	123	<1
1630	17	4.8	76.3	<1	<0.1	11.7	157	<1
1631	21	2.7	77.6	<1	<0.1	12.5	26	1
1632	14	1.7	65.8	<1	<0.1	10.1	25	<1
1633	10	<0.5	23.8	<1	<0.1	22.3	9	<1
1634	15	1.8	99.2	<1	<0.1	6.0	131	2
1635	20	5.0	80.6	<1	<0.1	19.7	141	2
1636	8	<0.5	43.3	<1	<0.1	15.8	42	<1
1637	22	3.9	92.0	<1	<0.1	12.2	117	2
1638	25	12.4	217	<1	0.2	3.5	200	<1
1639	20	2.7	21.3	<1	<0.1	9.2	81	<1
1640	21	4.6	92.2	<1	<0.1	3.1	262	1
1641	18	5.9	257	<1	<0.1	6.4	133	<1
1642	24	8.3	85.1	<1	<0.1	19.8	132	2
1643	32	6.8	59.4	<1	<0.1	15.1	36	2
1644	12	4.3	66.0	<1	<0.1	13.1	116	<1
1645	24	1.2	14.7	<1	<0.1	56.4	77	<1
1646	11	<0.5	26.3	<1	<0.1	21.3	36	<1
1647	9	0.9	55.3	<1	<0.1	4.9	509	<1
1648	15	0.8	104	<1	<0.1	6.1	145	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1649	124	1.0	35.3	<1	<0.1	8.4	47	<1
1650	43	12.0	28.5	1	0.2	8.2	72	2
1651	13	4.2	84.3	<1	<0.1	15.5	134	<1
1652	37	11.3	164	<1	<0.1	21.0	466	4

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1585	2.6	900	15	7.4	158	37	9.1	34
1585 O	1.1	700	2	8.5	85	112	2.0	68
1586	0.6	200	2	3.7	58	65	4.4	64
1586 O	3.0	1100	3	3.9	110	51	2.8	40
1587	0.5	200	7	2.6	553	60	0.3	39
1587 O	1.4	600	3	3.6	59	49	3.7	56
1588	<0.5	1700	7	3.5	584	26	2.4	68
1588 O	<0.5	500	3	11.7	188	39	1.9	71
1589	<0.5	300	3	3.5	140	36	1.4	39
1589 O	0.8	1400	3	7.1	109	83	3.5	41
1590	<0.5	700	9	8.5	652	16	1.6	57
1590 O	0.7	1700	2	6.7	574	19	1.7	58
1591	<0.5	300	7	2.8	570	18	0.4	75
1591 O	0.7	200	3	4.3	64	103	3.2	44
1592	<0.5	100	4	1.1	538	18	0.3	53
1592 O	2.4	1100	4	3.8	86	93	9.1	65
1593	<0.5	1200	3	7.9	276	26	2.6	64
1593 O	2.6	1000	4	11.6	62	76	16.0	68
1594	0.5	500	3	14.3	145	34	2.6	55
1594 O	1.8	700	3	9.7	103	97	5.3	60
1595	0.7	500	4	5.7	396	21	0.7	80
1595 O	2.6	2200	7	14.2	102	81	13.0	42
1596	<0.5	100	3	1.1	250	61	0.4	42
1596 O	6.3	2600	9	1.0	157	91	3.4	18
1597	<0.5	200	5	3.1	763	14	0.4	38
1597 O	2.0	900	4	9.2	70	78	13.7	57
1598	<0.5	1100	3	4.0	206	15	3.7	64
1598 O	0.9	2000	5	19.3	206	58	7.4	68
1599	<0.5	900	64	9.3	314	23	3.5	70
1599 O	<0.5	300	3	5.0	143	63	0.7	69
1600	3.9	800	26	2.2	235	15	0.6	32
1600 O	1.1	800	3	6.3	69	37	3.5	30
1601	1.4	1600	3	13.1	304	15	2.8	51
1602	1.6	800	2	10.2	84	67	3.2	57
1603	1.4	1400	3	13.6	192	53	4.8	90
1604	<0.5	600	<2	7.6	56	65	1.9	109
1605	2.0	700	3	7.2	110	71	5.6	44
1606	2.2	1500	4	14.0	171	90	13.8	39
1607	2.0	1500	4	4.6	110	51	7.2	36
1608	2.4	800	4	4.8	61	47	13.8	43

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1609	6.3	1700	5	2.5	145	112	12.7	27
1610	6.9	400	4	3.7	236	55	8.2	37
1611	4.8	1000	4	4.7	147	115	11.2	62
1612	3.9	500	<2	1.7	209	55	4.7	45
1613	5.5	800	2	8.2	176	76	6.7	50
1614	8.0	500	<2	3.2	164	111	4.3	63
1615	2.4	100	<2	2.3	101	127	2.2	45
1616	4.7	600	3	6.7	142	126	8.1	54
1617	1.3	400	<2	3.3	168	66	4.2	49
1618	3.6	800	<2	3.4	107	64	2.8	45
1619	4.1	400	<2	1.4	120	98	2.0	37
1620	2.6	900	11	3.3	488	22	6.7	7
1621	12.6	4900	3	11.1	158	99	3.0	97
1622	1.3	100	<2	9.5	11	24	0.5	75
1623	0.5	400	3	19.3	57	35	4.3	142
1624	3.5	600	<2	4.1	6	41	0.8	24
1625	8.0	1200	<2	5.9	43	104	2.2	54
1626	7.7	500	<2	4.4	8	54	1.1	28
1627	2.4	2500	<2	5.8	57	84	1.6	67
1628	1.7	500	<2	3.7	137	12	0.6	25
1629	2.4	300	<2	1.0	234	14	0.2	23
1630	5.9	1000	3	9.4	258	13	0.7	27
1631	41.8	900	13	1.8	142	56	3.2	9
1632	19.3	300	5	1.3	112	38	1.3	7
1633	31.0	1500	4	<0.5	35	55	0.2	7
1634	17.0	1600	3	3.8	261	23	0.6	28
1635	21.1	2200	6	11.5	255	29	0.7	57
1636	35.4	<100	2	<0.5	90	28	<0.1	7
1637	8.1	1500	4	8.0	222	25	1.3	28
1638	0.7	100	6	5.1	611	19	0.4	41
1639	4.3	500	<2	6.1	85	19	1.6	53
1640	11.2	500	3	9.0	295	26	1.7	21
1641	5.4	200	10	3.5	489	15	0.6	18
1642	7.8	1000	7	15.5	287	16	1.4	22
1643	15.6	1100	8	10.4	112	26	2.5	10
1644	4.4	300	9	7.6	195	12	0.4	29
1645	0.8	700	8	3.1	69	18	4.4	104
1646	31.8	100	<2	1.2	59	39	<0.1	14
1647	15.6	700	<2	1.5	271	26	1.3	18
1648	9.3	600	5	2.0	260	44	1.1	22

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1649	11.2	6600	4	2.1	93	62	0.9	23
1650	1.2	1600	3	15.1	109	64	12.8	63
1651	15.6	300	5	4.7	286	27	0.8	13
1652	9.3	2000	7	28.9	684	26	3.2	54

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1585	<1	35.7	<0.1	61	<0.5	36	37	<1
1585 O	<1	17.3	<0.1	84	<0.5	23	21	<1
1586	<1	11.5	<0.1	142	<0.5	29	15	<1
1586 O	<1	23.1	<0.1	141	<0.5	24	30	<1
1587	<1	108	<0.1	120	<0.5	39	152	<1
1587 O	<1	12.7	<0.1	95	<0.5	17	17	<1
1588	<1	133	<0.1	130	<0.5	56	121	<1
1588 O	<1	38.7	<0.1	97	<0.5	25	47	<1
1589	<1	30.1	<0.1	145	<0.5	27	33	<1
1589 O	<1	23.1	<0.1	123	<0.5	22	28	<1
1590	<1	142	<0.1	105	<0.5	56	145	<1
1590 O	<1	131	<0.1	136	<0.5	65	132	<1
1591	<1	125	<0.1	148	<0.5	38	139	<1
1591 O	<1	13.6	<0.1	78	<0.5	20	18	<1
1592	<1	120	<0.1	117	<0.5	35	125	<1
1592 O	<1	17.2	<0.1	101	<0.5	37	24	<1
1593	1	65.9	<0.1	102	<0.5	30	63	<1
1593 O	<1	13.9	<0.1	116	<0.5	28	18	<1
1594	<1	30.0	<0.1	131	<0.5	13	35	<1
1594 O	<1	22.4	<0.1	135	<0.5	18	28	<1
1595	<1	78.4	<0.1	153	<0.5	32	106	<1
1595 O	<1	20.5	<0.1	97	<0.5	37	26	<1
1596	<1	55.5	<0.1	120	<0.5	34	59	<1
1596 O	<1	30.6	<0.1	127	<0.5	32	50	<1
1597	<1	166	<0.1	223	<0.5	29	176	<1
1597 O	<1	14.8	<0.1	109	<0.5	29	18	<1
1598	<1	48.5	<0.1	60	<0.5	35	48	<1
1598 O	<1	44.3	<0.1	118	<0.5	32	54	<1
1599	<1	69.8	<0.1	234	<0.5	46	81	<1
1599 O	<1	29.6	<0.1	88	<0.5	16	38	<1
1600	<1	47.5	<0.1	177	<0.5	51	74	<1
1600 O	<1	13.5	<0.1	101	<0.5	26	17	<1
1601	<1	65.7	<0.1	110	<0.5	56	68	<1
1602	<1	18.3	<0.1	84	<0.5	18	22	<1
1603	<1	36.1	<0.1	90	<0.5	36	57	<1
1604	<1	11.4	<0.1	60	<0.5	16	17	<1
1605	<1	21.8	<0.1	90	<0.5	26	30	<1
1606	<1	34.3	<0.1	123	<0.5	51	45	<1
1607	<1	21.3	<0.1	85	<0.5	40	29	<1
1608	<1	13.9	<0.1	119	<0.5	33	18	<1

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1609	<1	29.1	<0.1	140	<0.5	53	42	<1
1610	<1	48.9	<0.1	95	<0.5	40	62	<1
1611	<1	28.7	<0.1	181	<0.5	33	38	<1
1612	<1	40.5	<0.1	84	<0.5	42	53	<1
1613	<1	39.1	<0.1	73	<0.5	30	40	<1
1614	<1	31.1	<0.1	133	<0.5	40	45	<1
1615	<1	20.1	<0.1	94	<0.5	20	25	<1
1616	<1	30.5	<0.1	119	<0.5	34	37	<1
1617	<1	36.4	<0.1	141	<0.5	39	41	<1
1618	<1	21.7	<0.1	236	<0.5	23	28	<1
1619	<1	22.9	<0.1	107	<0.5	28	32	<1
1620	<1	73.2	<0.1	86	<0.5	124	196	<1
1621	<1	30.8	<0.1	166	<0.5	44	43	<1
1622	<1	2.3	<0.1	74	<0.5	<5	3	<1
1623	<1	13.3	<0.1	83	<0.5	19	15	<1
1624	<1	1.1	<0.1	85	<0.5	8	2	<1
1625	<1	8.1	<0.1	118	<0.5	30	14	<1
1626	<1	1.5	<0.1	64	<0.5	19	3	<1
1627	<1	11.5	<0.1	108	<0.5	21	17	<1
1628	<1	27.4	<0.1	128	<0.5	26	36	<1
1629	<1	46.6	<0.1	123	<0.5	41	53	<1
1630	<1	50.6	<0.1	105	<0.5	58	65	<1
1631	<1	20.0	<0.1	98	<0.5	49	56	<1
1632	<1	16.2	<0.1	70	<0.5	27	48	<1
1633	<1	4.9	<0.1	60	<0.5	<5	15	<1
1634	<1	52.4	<0.1	86	<0.5	32	81	<1
1635	<1	49.2	<0.1	166	<0.5	33	69	<1
1636	<1	15.6	<0.1	88	<0.5	9	31	<1
1637	<1	41.8	<0.1	81	<0.5	59	64	<1
1638	<1	109	<0.1	134	<0.5	54	185	<1
1639	<1	20.0	<0.1	46	<0.5	13	19	<1
1640	1	62.8	<0.1	54	<0.5	51	75	<1
1641	<1	80.1	<0.1	129	<0.5	93	188	<1
1642	<1	55.8	0.1	198	<0.5	50	79	<1
1643	<1	18.3	<0.1	126	<0.5	33	47	<1
1644	<1	38.4	<0.1	158	<0.5	33	53	<1
1645	<1	17.8	<0.1	68	<0.5	20	16	<1
1646	<1	11.3	<0.1	58	<0.5	7	18	<1
1647	<1	77.5	<0.1	74	<0.5	23	46	<1
1648	<1	52.8	<0.1	73	<0.5	53	78	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1649	<1	17.6	<0.1	62	<0.5	43	26	<1
1650	<1	23.5	<0.1	104	<0.5	37	27	<1
1651	<1	52.3	<0.1	176	<0.5	22	76	<1
1652	<1	151	<0.1	276	<0.5	73	164	2

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1585	80	1	4.9	<10	281	1080	0.4	77.2
1585 O	30	<1	5.2	20	16.6	420	0.2	26.4
1586	20	<1	3.8	<10	18.1	310	0.2	20.5
1586 O	350	<1	5.7	<10	30.3	400	0.1	49.2
1587	80	<1	35.9	<10	24.2	130	0.1	849
1587 O	120	<1	3.1	<10	27.8	460	<0.1	30.0
1588	<10	<1	15.9	<10	53.0	540	0.3	67.8
1588 O	<10	<1	9.7	<10	23.2	450	0.2	34.9
1589	<10	<1	6.2	<10	30.4	340	0.7	52.7
1589 O	50	<1	5.8	<10	23.3	480	0.2	42.4
1590	<10	<1	20.9	<10	40.9	570	0.4	53.7
1590 O	80	<1	18.3	<10	49.9	450	0.3	123
1591	<10	<1	24.2	<10	17.5	130	0.2	36.4
1591 O	40	<1	3.9	<10	10.5	530	0.1	12.9
1592	<10	<1	21.3	<10	11.8	80	0.2	26.0
1592 O	220	<1	4.4	<10	24.3	930	0.2	22.6
1593	10	<1	9.6	<10	53.0	630	0.4	51.5
1593 O	130	<1	3.4	<10	18.2	1210	0.1	16.4
1594	<10	<1	7.4	<10	24.1	380	0.3	25.9
1594 O	60	<1	5.5	<10	29.4	420	0.3	16.0
1595	30	<1	20.5	<10	35.8	200	0.3	50.9
1595 O	60	<1	4.5	<10	35.6	1050	0.2	23.9
1596	10	<1	14.2	<10	6.8	80	0.3	21.9
1596 O	500	<1	10.2	<10	29.7	170	0.3	35.0
1597	20	<1	31.2	<10	23.2	150	0.5	80.2
1597 O	130	<1	3.4	<10	15.2	800	0.2	19.4
1598	<10	<1	7.2	<10	43.6	570	0.2	28.6
1598 O	140	<1	8.6	<10	42.3	880	0.3	34.5
1599	20	<1	12.5	<10	48.4	620	0.3	386
1599 O	<10	<1	9.6	<10	10.4	170	0.3	25.4
1600	340	<1	14.5	<10	22.9	200	0.4	378
1600 O	200	<1	3.4	<10	14.7	590	<0.1	15.8
1601	160	<1	10.3	<10	51.9	680	0.2	88.1
1602	80	<1	3.9	<10	16.1	830	0.1	19.1
1603	50	<1	11.2	<10	20.6	850	0.1	50.2
1604	<10	<1	4.3	<10	8.7	320	0.3	14.0
1605	220	<1	6.3	<10	15.2	580	<0.1	25.2
1606	180	<1	8.0	<10	36.7	1170	0.2	43.2
1607	150	<1	5.5	<10	19.0	710	0.2	27.6
1608	110	<1	3.4	<10	24.4	870	<0.1	21.0

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1609	390	<1	8.2	<10	38.9	810	0.3	39.5
1610	270	<1	8.5	<10	37.2	590	0.3	41.5
1611	360	<1	6.4	<10	45.2	890	0.4	51.0
1612	1890	<1	11.2	<10	32.9	330	0.5	50.1
1613	240	<1	6.6	<10	55.1	700	0.2	57.6
1614	580	<1	9.2	<10	22.8	350	0.4	42.8
1615	110	<1	5.1	<10	6.7	280	0.2	12.2
1616	160	<1	6.7	<10	32.3	920	0.2	27.9
1617	190	<1	7.3	<10	24.3	530	0.2	45.6
1618	1110	<1	4.5	<10	13.9	520	0.2	26.7
1619	520	<1	5.8	<10	7.6	260	<0.1	17.1
1620	120	<1	46.2	<10	68.2	340	0.4	101
1621	870	<1	11.0	<10	24.0	450	0.5	29.7
1622	30	<1	1.1	<10	5.0	100	0.3	8.9
1623	40	<1	2.9	<10	22.5	760	<0.1	10.8
1624	190	<1	0.7	<10	0.7	160	0.2	4.3
1625	380	<1	3.7	<10	6.5	350	0.1	7.2
1626	380	<1	0.9	<10	1.7	300	0.1	4.0
1627	240	<1	5.0	<10	8.0	300	0.3	8.9
1628	350	<1	6.9	<10	10.9	260	<0.1	13.6
1629	160	<1	11.2	<10	6.4	120	<0.1	14.6
1630	400	<1	12.1	<10	7.9	930	<0.1	16.7
1631	1880	<1	12.0	<10	19.9	320	0.4	93.7
1632	1690	<1	9.6	<10	13.5	210	0.1	56.4
1633	4710	<1	3.3	<10	3.7	<10	<0.1	33.6
1634	1460	<1	13.5	<10	23.7	310	0.1	89.1
1635	1280	<1	12.1	<10	17.2	560	0.3	119
1636	5910	<1	6.0	<10	3.1	<10	<0.1	33.0
1637	1110	<1	15.1	<10	16.7	770	0.3	91.1
1638	100	<1	34.2	<10	35.8	160	0.5	105
1639	730	<1	3.5	<10	18.9	610	<0.1	9.8
1640	710	<1	16.2	<10	43.6	620	0.3	41.5
1641	440	<1	42.2	<10	31.3	150	0.2	203
1642	1160	<1	11.7	<10	16.2	1000	0.2	64.6
1643	1470	<1	8.9	<10	18.3	960	0.3	78.8
1644	380	<1	10.7	<10	8.2	380	0.1	57.7
1645	980	<1	2.3	<10	121	250	0.2	37.8
1646	5540	<1	4.1	<10	30.4	<10	<0.1	22.0
1647	1790	<1	7.8	<10	59.3	130	<0.1	20.7
1648	1000	<1	16.3	<10	46.8	140	0.1	167

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1649	1750	<1	7.4	<10	19.7	190	0.6	84.6
1650	40	<1	4.6	<10	35.7	900	0.2	24.5
1651	1350	<1	12.8	<10	18.9	150	0.3	75.2
1652	670	1	24.4	<10	85.9	1320	0.5	438

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1585	<0.5	125	10.4	50	110
1585 O	<0.5	166	15.1	540	149
1586	<0.5	155	14.6	30	75
1586 O	<0.5	218	17.7	190	106
1587	<0.5	2160	125	20	285
1587 O	<0.5	95	8.4	130	131
1588	<0.5	444	40.1	80	400
1588 O	<0.5	318	25.9	60	488
1589	<0.5	208	15.2	20	170
1589 O	<0.5	203	18.4	790	313
1590	<0.5	664	50.5	80	727
1590 O	<0.5	586	52.4	140	605
1591	<0.5	873	68.5	150	361
1591 O	<0.5	146	11.9	50	79
1592	<0.5	765	63.8	80	249
1592 O	<0.5	190	16.2	80	58
1593	<0.5	281	22.3	140	743
1593 O	<0.5	105	10.1	170	169
1594	<0.5	273	24.0	150	563
1594 O	<0.5	165	13.2	160	498
1595	<0.5	694	53.3	100	749
1595 O	<0.5	138	12.4	340	257
1596	<0.5	615	44.8	50	141
1596 O	<0.5	339	36.4	70	85
1597	<0.5	1130	79.5	150	443
1597 O	<0.5	120	10.7	70	166
1598	<0.5	232	20.4	40	293
1598 O	<0.5	262	23.8	190	1090
1599	<0.5	384	32.3	100	420
1599 O	<0.5	354	24.6	90	249
1600	<0.5	622	50.1	50	245
1600 O	<0.5	112	9.1	100	196
1601	<0.5	337	26.6	170	939
1602	<0.5	138	11.2	130	220
1603	<0.5	388	32.1	230	301
1604	<0.5	154	13.5	40	185
1605	<0.5	282	18.4	90	178
1606	<0.5	256	22.8	560	420
1607	<0.5	181	14.4	170	104
1608	<0.5	108	10.5	170	67

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1609	<0.5	287	25.5	60	48
1610	<0.5	267	22.1	30	107
1611	<0.5	215	18.0	230	92
1612	<0.5	386	30.4	60	56
1613	<0.5	215	19.7	60	235
1614	<0.5	318	25.3	60	93
1615	<0.5	216	12.7	20	60
1616	<0.5	223	17.6	70	161
1617	<0.5	270	21.0	70	135
1618	<0.5	128	8.5	100	122
1619	<0.5	178	11.9	40	65
1620	<0.5	1700	145	60	342
1621	<0.5	449	33.5	2970	479
1622	<0.5	53	13.9	210	205
1623	<0.5	83	9.1	90	489
1624	<0.5	47	10.3	350	74
1625	<0.5	139	12.6	410	106
1626	<0.5	51	10.8	210	50
1627	<0.5	192	18.3	950	191
1628	<0.5	243	15.5	90	276
1629	<0.5	490	26.2	50	136
1630	<0.5	532	31.6	130	243
1631	<0.5	519	42.1	160	126
1632	<0.5	436	30.7	60	99
1633	<0.5	139	8.8	130	30
1634	<0.5	631	51.7	80	211
1635	<0.5	472	36.6	460	283
1636	<0.5	305	18.9	150	54
1637	<0.5	712	51.7	110	210
1638	<0.5	1430	90.4	40	610
1639	<0.5	160	12.1	20	86
1640	<0.5	827	43.6	60	481
1641	<0.5	1920	165	80	474
1642	1.5	386	27.8	180	375
1643	<0.5	344	28.2	90	219
1644	<0.5	508	35.5	100	203
1645	<0.5	70	6.7	50	284
1646	<0.5	173	12.7	220	143
1647	<0.5	482	23.1	40	333
1648	<0.5	728	65.0	140	393

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1649	<0.5	441	38.9	30	122
1650	<0.5	138	12.5	160	484
1651	<0.5	452	30.1	1250	301
1652	0.6	914	72.0	220	987

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SGS

Certificate of Analysis
Work Order : VC151808
[Report File No.: 0000012411]

Date: August 21, 2015

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

P.O. No.: DeCoors / Hot Bath Project 1585-1652
Project No.: -
Samples: 84
Received: Jul 24, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:
L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Member of the SGS Group (Société Générale de Surveillance)

SGS

Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1585	6.8	245	<10	1.3	250	<0.5	12	<1
1585 O	3.7	244	<10	<0.1	440	<0.5	5	16
1586	2.9	242	<10	<0.1	270	<0.5	<2	3
1586 O	4.9	234	<10	0.1	1050	<0.5	73	8
1587	8.3	124	<10	0.7	390	<0.5	23	4
1587 O	3.0	296	<10	<0.1	840	<0.5	15	5
1588	5.8	172	<10	0.8	260	<0.5	5	1
1588 O	6.5	214	<10	0.1	300	<0.5	<2	5
1589	11.7	276	<10	0.3	360	<0.5	<2	2
1589 O	3.2	259	<10	<0.1	730	<0.5	6	12
1590	9.8	164	<10	0.3	210	<0.5	7	2
1590 O	6.3	139	<10	0.2	1030	<0.5	20	4
1591	13.9	132	<10	0.2	80	<0.5	<2	3
1591 O	4.3	278	<10	<0.1	400	<0.5	2	8
1592	12.0	118	<10	<0.1	70	<0.5	<2	2
1592 O	2.7	302	<10	<0.1	1530	<0.5	14	2
1593	5.1	248	<10	0.3	250	<0.5	6	3
1593 O	2.7	300	<10	<0.1	1160	<0.5	10	9
1594	4.0	233	<10	0.2	310	<0.5	<2	4
1594 O	2.0	295	<10	<0.1	740	<0.5	8	4
1595	10.8	146	<10	0.3	170	<0.5	40	7
1595 O	4.1	298	<10	<0.1	810	<0.5	11	9
1596	9.9	99	<10	0.2	180	<0.5	3	5
1596 O	3.7	178	<10	<0.1	4910	<0.5	204	4
1597	17.5	164	<10	0.2	280	<0.5	6	5
1597 O	3.9	308	<10	<0.1	1190	<0.5	9	3
1598	7.3	247	<10	0.3	140	<0.5	4	3
1598 O	3.4	300	<10	0.2	790	<0.5	10	4
1599	9.4	222	<10	0.3	190	<0.5	12	3
1599 O	2.5	192	<10	<0.1	240	<0.5	<2	6
1600	12.9	119	<10	0.4	560	<0.5	164	4
1600 O	2.2	260	<10	<0.1	730	<0.5	9	5
1601	3.6	192	<10	<0.1	530	<0.5	36	5
1602	1.7	261	<10	<0.1	720	<0.5	19	3
1603	3.8	277	<10	<0.1	500	<0.5	6	10
1604	3.8	215	<10	<0.1	170	<0.5	<2	6
1605	3.0	310	<10	<0.1	950	<0.5	19	5
1606	5.7	360	<10	<0.1	1330	<0.5	15	8
1607	6.1	279	<10	0.3	680	<0.5	16	10
1608	2.6	320	<10	<0.1	770	<0.5	7	8

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1609	8.2	301	<10	0.2	2030	<0.5	53	4
1610	6.4	323	<10	0.2	1590	<0.5	54	2
1611	4.6	286	<10	<0.1	2450	<0.5	30	4
1612	10.2	291	<10	0.2	5010	<0.5	53	10
1613	3.5	295	<10	0.1	2040	<0.5	53	5
1614	5.6	274	<10	<0.1	2980	<0.5	43	5
1615	2.1	303	<10	<0.1	1140	<0.5	8	5
1616	3.2	330	<10	<0.1	2380	<0.5	19	4
1617	4.3	323	<10	<0.1	1590	<0.5	12	5
1618	6.6	234	<10	<0.1	1300	<0.5	71	4
1619	5.2	241	<10	<0.1	1980	<0.5	45	4
1620	6.7	272	<10	0.9	380	<0.5	18	2
1621	2.0	255	<10	<0.1	2300	<0.5	62	53
1622	0.9	173	<10	<0.1	220	<0.5	<2	10
1623	3.4	284	<10	<0.1	530	<0.5	<2	9
1624	2.5	178	<10	<0.1	740	<0.5	7	14
1625	2.4	247	<10	<0.1	590	<0.5	21	23
1626	0.8	244	<10	<0.1	620	<0.5	20	9
1627	1.8	209	<10	<0.1	500	<0.5	7	24
1628	6.7	209	<10	<0.1	730	<0.5	40	6
1629	9.7	125	<10	0.1	580	<0.5	17	6
1630	8.3	108	<10	0.2	620	<0.5	83	4
1631	7.2	142	<10	2.0	1030	<0.5	392	7
1632	5.8	128	<10	1.5	1190	<0.5	407	3
1633	13.6	84	<10	1.2	2660	<0.5	815	4
1634	14.9	122	<10	0.3	7230	<0.5	314	4
1635	18.5	107	<10	0.4	4530	<0.5	283	8
1636	18.6	87	<10	0.5	5950	<0.5	551	3
1637	7.4	135	<10	0.6	1860	<0.5	232	4
1638	10.4	194	<10	1.2	360	<0.5	36	4
1639	1.6	245	<10	<0.1	4880	<0.5	124	2
1640	3.7	243	<10	0.2	1080	<0.5	110	5
1641	16.4	134	<10	2.5	590	<0.5	124	4
1642	17.7	101	<10	0.5	1420	<0.5	146	3
1643	6.2	118	<10	1.0	2230	<0.5	279	4
1644	17.0	72	<10	0.2	970	<0.5	118	3
1645	3.3	215	<10	0.4	6390	<0.5	235	3
1646	6.0	95	<10	<0.1	8640	<0.5	687	2
1647	1.4	206	<10	<0.1	2280	<0.5	276	3
1648	4.5	195	<10	0.3	2220	<0.5	213	5

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1649	1.8	115	<10	0.3	4160	<0.5	211	2
1650	3.1	353	<10	0.1	970	<0.5	8	6
1651	14.0	95	<10	0.5	3410	<0.5	238	4
1652	8.2	149	<10	0.2	3350	<0.5	143	4

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1585	277	10	<100	8.9	540	27.4	12.5	4.5
1585 O	121	28	<100	6.8	410	35.6	18.3	5.7
1586	77	7	<100	6.7	140	28.9	16.9	3.6
1586 O	139	14	<100	7.5	970	38.5	20.9	7.4
1587	154	5	<100	8.4	7280	252	164	43.3
1587 O	84	24	<100	6.2	660	20.4	10.4	4.1
1588	901	20	<100	12.9	1570	93.5	48.1	19.8
1588 O	251	6	<100	8.1	1410	63.5	33.0	8.4
1589	179	6	<100	12.6	1190	41.1	18.8	7.6
1589 O	148	8	<100	10.2	840	39.1	21.2	6.3
1590	847	10	<100	10.9	730	127	63.7	24.9
1590 O	590	9	<100	8.0	1560	107	59.3	24.9
1591	772	5	<100	13.2	1270	150	89.4	21.0
1591 O	105	39	<100	4.5	300	25.4	15.4	4.0
1592	713	5	<100	9.8	410	146	81.5	20.0
1592 O	135	76	<100	5.8	230	29.7	18.8	5.5
1593	543	14	<100	8.9	450	57.3	27.2	10.5
1593 O	105	20	<100	5.3	140	22.5	12.3	4.4
1594	203	6	<100	12.6	690	51.4	29.9	5.7
1594 O	172	16	<100	4.3	430	36.6	17.4	5.2
1595	478	5	<100	8.1	980	133	70.2	17.4
1595 O	153	14	<100	4.5	3500	28.5	15.2	6.1
1596	330	9	<100	8.6	720	102	58.6	12.9
1596 O	167	9	<100	2.2	590	61.8	37.2	16.7
1597	1060	3	<100	18.3	700	207	104	25.6
1597 O	115	15	<100	5.5	470	22.2	13.0	4.9
1598	365	16	<100	10.3	400	44.3	22.8	9.4
1598 O	343	23	<100	6.8	1120	56.1	29.4	9.7
1599	495	19	<100	17.5	1600	76.4	38.9	16.5
1599 O	208	11	<100	7.7	220	64.4	35.2	6.9
1600	173	6	<100	10.4	1250	98.3	59.4	19.6
1600 O	100	18	<100	7.1	330	22.7	12.4	4.3
1601	391	11	<100	8.3	790	60.0	30.6	14.5
1602	143	7	<100	6.6	280	25.5	13.8	5.4
1603	196	11	<100	6.9	440	73.9	40.6	14.0
1604	83	26	<100	5.7	520	30.9	17.5	3.8
1605	138	9	<100	6.4	550	41.5	22.5	7.8
1606	259	31	<100	10.4	1460	49.3	26.2	10.8
1607	152	37	<100	7.5	490	37.1	18.0	7.8
1608	102	25	<100	7.6	220	23.3	12.8	4.3

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1609	209	106	<100	8.0	1410	51.8	30.1	10.7
1610	382	23	<100	7.0	1060	49.5	25.8	12.1
1611	221	54	<100	11.8	1040	39.0	21.1	8.6
1612	235	116	<100	7.7	3630	72.1	37.4	17.5
1613	315	24	<100	5.3	540	39.5	22.2	8.2
1614	202	61	<100	5.4	480	62.1	30.5	11.4
1615	146	11	<100	3.4	120	33.4	19.2	6.2
1616	252	20	<100	4.4	320	42.6	22.7	7.8
1617	284	9	<100	5.1	430	47.6	24.8	9.2
1618	163	14	<100	6.6	2070	26.9	12.3	7.7
1619	156	13	<100	4.8	1000	37.0	16.5	9.0
1620	311	27	<100	3.4	570	319	182	49.9
1621	195	84	<100	5.8	1320	76.5	44.8	8.3
1622	20	7	<100	8.5	150	10.8	14.5	0.4
1623	108	15	<100	4.7	220	19.6	9.9	3.4
1624	10	59	<100	5.2	1580	7.9	10.5	0.4
1625	59	34	<100	3.5	440	27.5	15.6	3.7
1626	13	67	<100	1.9	150	8.6	10.6	0.7
1627	80	115	<100	7.1	2610	39.1	23.4	3.3
1628	180	4	<100	5.4	1210	42.7	20.7	7.8
1629	265	4	<100	6.9	970	73.9	39.7	11.6
1630	286	9	<100	6.9	810	75.0	45.4	12.2
1631	112	18	<100	3.4	1770	79.8	50.8	14.0
1632	92	7	<100	3.7	1210	62.6	37.8	12.1
1633	7	28	<100	2.9	3390	21.3	12.6	4.9
1634	205	6	<100	4.8	690	84.9	55.1	19.9
1635	349	13	<100	5.7	1700	71.9	42.2	15.4
1636	161	3	<100	4.5	1100	39.3	24.4	8.8
1637	251	17	<100	5.3	580	100	63.0	17.4
1638	560	3	<100	8.8	1010	212	116	35.4
1639	180	4	<100	2.9	40	23.7	13.7	4.2
1640	456	9	<100	3.2	330	103	60.6	15.4
1641	362	3	<100	4.9	820	286	186	39.9
1642	289	16	<100	4.2	1400	68.3	36.1	17.1
1643	108	18	<100	3.7	990	56.9	33.4	10.7
1644	218	4	<100	8.2	340	71.6	44.9	9.4
1645	218	21	<100	3.5	940	14.7	6.7	4.0
1646	120	3	<100	1.3	930	25.3	15.7	5.0
1647	523	6	<100	2.2	210	51.3	31.0	8.8
1648	260	5	<100	3.7	620	112	71.3	18.6

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1649	113	128	<100	5.4	3350	64.2	46.7	7.2
1650	201	10	<100	6.3	210	28.3	15.1	6.3
1651	152	4	<100	7.0	1440	70.1	40.1	13.8
1652	705	22	<100	10.3	880	142	81.0	31.9

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1585	64	9.4	33.3	1	<0.1	7.9	111	<1
1585 O	26	10.3	27.1	<1	0.2	9.2	42	<1
1586	40	8.7	19.0	1	0.2	4.4	26	<1
1586 O	29	4.6	34.2	<1	<0.1	14.0	67	<1
1587	18	4.4	201	<1	<0.1	2.7	280	<1
1587 O	29	4.3	18.8	<1	0.2	6.1	34	<1
1588	15	6.5	108	<1	<0.1	7.4	417	<1
1588 O	23	11.5	53.0	<1	0.3	5.0	92	<1
1589	26	3.0	37.0	<1	0.1	3.4	81	<1
1589 O	30	9.5	33.3	<1	0.3	9.9	61	<1
1590	26	22.5	141	<1	0.2	4.2	339	<1
1590 O	16	6.5	127	<1	<0.1	8.7	368	<1
1591	16	18.6	142	<1	0.2	4.4	239	<1
1591 O	40	10.0	20.2	1	0.2	3.8	37	<1
1592	14	26.3	131	<1	0.2	4.0	193	<1
1592 O	64	18.1	26.5	1	0.2	7.9	49	2
1593	26	8.4	61.2	<1	0.2	5.2	221	<1
1593 O	48	26.0	19.8	2	0.2	8.7	40	2
1594	36	8.5	41.4	<1	0.3	7.3	70	<1
1594 O	30	10.6	31.8	1	0.3	9.5	60	<1
1595	18	8.3	118	<1	0.2	5.4	194	<1
1595 O	68	22.3	25.9	2	0.2	10.3	61	2
1596	17	11.1	76.2	<1	0.3	2.9	127	<1
1596 O	24	1.7	63.6	<1	<0.1	15.3	91	<1
1597	23	17.3	188	<1	0.2	4.9	412	<1
1597 O	52	21.2	20.6	2	0.2	13.4	50	<1
1598	26	5.8	44.3	<1	0.2	2.6	147	<1
1598 O	39	13.9	54.0	2	0.2	9.2	122	<1
1599	35	9.4	81.9	<1	0.2	7.5	171	<1
1599 O	27	7.5	47.6	<1	0.3	3.4	60	<1
1600	11	1.7	94.4	<1	<0.1	13.2	125	<1
1600 O	43	10.0	19.1	<1	0.2	9.3	39	<1
1601	30	11.8	69.2	<1	0.2	6.7	191	<1
1602	38	11.7	24.9	<1	0.1	8.5	54	<1
1603	39	15.1	64.4	<1	0.3	8.9	81	1
1604	27	7.6	21.0	<1	0.2	2.0	29	<1
1605	36	12.8	36.7	<1	0.2	6.6	56	<1
1606	54	17.3	47.0	1	0.3	12.4	97	1
1607	33	12.7	33.2	<1	0.1	6.1	60	<1
1608	50	21.2	19.5	1	0.1	9.6	40	1

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1609	58	6.7	46.8	<1	0.1	7.9	77	1
1610	36	5.0	58.4	<1	0.1	5.6	137	<1
1611	75	10.7	39.8	1	0.2	8.8	83	2
1612	44	3.6	61.3	<1	0.1	10.3	106	<1
1613	38	8.8	40.3	<1	0.1	13.7	125	<1
1614	49	6.9	52.4	<1	0.2	4.9	76	<1
1615	25	3.9	29.3	<1	0.1	4.1	43	<1
1616	56	8.2	40.5	<1	0.2	14.7	96	<1
1617	22	4.9	44.6	<1	0.1	15.5	109	<1
1618	27	6.3	30.0	<1	<0.1	11.1	55	<1
1619	19	3.5	36.6	<1	<0.1	9.9	51	<1
1620	32	6.8	269	<1	<0.1	4.6	81	<1
1621	55	7.6	53.9	<1	0.2	39.6	86	<1
1622	46	8.0	3.5	<1	0.5	15.5	8	<1
1623	69	20.9	15.6	<1	0.4	5.7	39	<1
1624	42	5.2	2.5	<1	0.3	10.3	4	<1
1625	38	12.0	17.9	<1	0.2	15.5	17	<1
1626	48	10.3	3.5	<1	0.2	10.2	5	<1
1627	41	8.8	23.1	<1	0.2	22.3	25	<1
1628	23	3.2	40.3	<1	0.2	20.3	69	<1
1629	16	5.6	62.3	<1	0.1	7.3	123	<1
1630	17	4.8	76.3	<1	<0.1	11.7	157	<1
1631	21	2.7	77.6	<1	<0.1	12.5	26	1
1632	14	1.7	65.8	<1	<0.1	10.1	25	<1
1633	10	<0.5	23.8	<1	<0.1	22.3	9	<1
1634	15	1.8	99.2	<1	<0.1	6.0	131	2
1635	20	5.0	80.6	<1	<0.1	19.7	141	2
1636	8	<0.5	43.3	<1	<0.1	15.8	42	<1
1637	22	3.9	92.0	<1	<0.1	12.2	117	2
1638	25	12.4	217	<1	0.2	3.5	200	<1
1639	20	2.7	21.3	<1	<0.1	9.2	81	<1
1640	21	4.6	92.2	<1	<0.1	3.1	262	1
1641	18	5.9	257	<1	<0.1	6.4	133	<1
1642	24	8.3	85.1	<1	<0.1	19.8	132	2
1643	32	6.8	59.4	<1	<0.1	15.1	36	2
1644	12	4.3	66.0	<1	<0.1	13.1	116	<1
1645	24	1.2	14.7	<1	<0.1	56.4	77	<1
1646	11	<0.5	26.3	<1	<0.1	21.3	36	<1
1647	9	0.9	55.3	<1	<0.1	4.9	509	<1
1648	15	0.8	104	<1	<0.1	6.1	145	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1649	124	1.0	35.3	<1	<0.1	8.4	47	<1
1650	43	12.0	28.5	1	0.2	8.2	72	2
1651	13	4.2	84.3	<1	<0.1	15.5	134	<1
1652	37	11.3	164	<1	<0.1	21.0	466	4

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SGS

Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1585	2.6	900	15	7.4	158	37	9.1	34
1585 O	1.1	700	2	8.5	85	112	2.0	68
1586	0.6	200	2	3.7	58	65	4.4	64
1586 O	3.0	1100	3	3.9	110	51	2.8	40
1587	0.5	200	7	2.6	553	60	0.3	39
1587 O	1.4	600	3	3.6	59	49	3.7	56
1588	<0.5	1700	7	3.5	584	26	2.4	68
1588 O	<0.5	500	3	11.7	188	39	1.9	71
1589	<0.5	300	3	3.5	140	36	1.4	39
1589 O	0.8	1400	3	7.1	109	83	3.5	41
1590	<0.5	700	9	8.5	652	16	1.6	57
1590 O	0.7	1700	2	6.7	574	19	1.7	58
1591	<0.5	300	7	2.8	570	18	0.4	75
1591 O	0.7	200	3	4.3	64	103	3.2	44
1592	<0.5	100	4	1.1	538	18	0.3	53
1592 O	2.4	1100	4	3.8	86	93	9.1	65
1593	<0.5	1200	3	7.9	276	26	2.6	64
1593 O	2.6	1000	4	11.6	62	76	16.0	68
1594	0.5	500	3	14.3	145	34	2.6	55
1594 O	1.8	700	3	9.7	103	97	5.3	60
1595	0.7	500	4	5.7	396	21	0.7	80
1595 O	2.6	2200	7	14.2	102	81	13.0	42
1596	<0.5	100	3	1.1	250	61	0.4	42
1596 O	6.3	2600	9	1.0	157	91	3.4	18
1597	<0.5	200	5	3.1	763	14	0.4	38
1597 O	2.0	900	4	9.2	70	78	13.7	57
1598	<0.5	1100	3	4.0	206	15	3.7	64
1598 O	0.9	2000	5	19.3	206	58	7.4	68
1599	<0.5	900	64	9.3	314	23	3.5	70
1599 O	<0.5	300	3	5.0	143	63	0.7	69
1600	3.9	800	26	2.2	235	15	0.6	32
1600 O	1.1	800	3	6.3	69	37	3.5	30
1601	1.4	1600	3	13.1	304	15	2.8	51
1602	1.6	800	2	10.2	84	67	3.2	57
1603	1.4	1400	3	13.6	192	53	4.8	90
1604	<0.5	600	<2	7.6	56	65	1.9	109
1605	2.0	700	3	7.2	110	71	5.6	44
1606	2.2	1500	4	14.0	171	90	13.8	39
1607	2.0	1500	4	4.6	110	51	7.2	36
1608	2.4	800	4	4.8	61	47	13.8	43

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1609	6.3	1700	5	2.5	145	112	12.7	27
1610	6.9	400	4	3.7	236	55	8.2	37
1611	4.8	1000	4	4.7	147	115	11.2	62
1612	3.9	500	<2	1.7	209	55	4.7	45
1613	5.5	800	2	8.2	176	76	6.7	50
1614	8.0	500	<2	3.2	164	111	4.3	63
1615	2.4	100	<2	2.3	101	127	2.2	45
1616	4.7	600	3	6.7	142	126	8.1	54
1617	1.3	400	<2	3.3	168	66	4.2	49
1618	3.6	800	<2	3.4	107	64	2.8	45
1619	4.1	400	<2	1.4	120	98	2.0	37
1620	2.6	900	11	3.3	488	22	6.7	7
1621	12.6	4900	3	11.1	158	99	3.0	97
1622	1.3	100	<2	9.5	11	24	0.5	75
1623	0.5	400	3	19.3	57	35	4.3	142
1624	3.5	600	<2	4.1	6	41	0.8	24
1625	8.0	1200	<2	5.9	43	104	2.2	54
1626	7.7	500	<2	4.4	8	54	1.1	28
1627	2.4	2500	<2	5.8	57	84	1.6	67
1628	1.7	500	<2	3.7	137	12	0.6	25
1629	2.4	300	<2	1.0	234	14	0.2	23
1630	5.9	1000	3	9.4	258	13	0.7	27
1631	41.8	900	13	1.8	142	56	3.2	9
1632	19.3	300	5	1.3	112	38	1.3	7
1633	31.0	1500	4	<0.5	35	55	0.2	7
1634	17.0	1600	3	3.8	261	23	0.6	28
1635	21.1	2200	6	11.5	255	29	0.7	57
1636	35.4	<100	2	<0.5	90	28	<0.1	7
1637	8.1	1500	4	8.0	222	25	1.3	28
1638	0.7	100	6	5.1	611	19	0.4	41
1639	4.3	500	<2	6.1	85	19	1.6	53
1640	11.2	500	3	9.0	295	26	1.7	21
1641	5.4	200	10	3.5	489	15	0.6	18
1642	7.8	1000	7	15.5	287	16	1.4	22
1643	15.6	1100	8	10.4	112	26	2.5	10
1644	4.4	300	9	7.6	195	12	0.4	29
1645	0.8	700	8	3.1	69	18	4.4	104
1646	31.8	100	<2	1.2	59	39	<0.1	14
1647	15.6	700	<2	1.5	271	26	1.3	18
1648	9.3	600	5	2.0	260	44	1.1	22

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1649	11.2	6600	4	2.1	93	62	0.9	23
1650	1.2	1600	3	15.1	109	64	12.8	63
1651	15.6	300	5	4.7	286	27	0.8	13
1652	9.3	2000	7	28.9	684	26	3.2	54

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1585	<1	35.7	<0.1	61	<0.5	36	37	<1
1585 O	<1	17.3	<0.1	84	<0.5	23	21	<1
1586	<1	11.5	<0.1	142	<0.5	29	15	<1
1586 O	<1	23.1	<0.1	141	<0.5	24	30	<1
1587	<1	108	<0.1	120	<0.5	39	152	<1
1587 O	<1	12.7	<0.1	95	<0.5	17	17	<1
1588	<1	133	<0.1	130	<0.5	56	121	<1
1588 O	<1	38.7	<0.1	97	<0.5	25	47	<1
1589	<1	30.1	<0.1	145	<0.5	27	33	<1
1589 O	<1	23.1	<0.1	123	<0.5	22	28	<1
1590	<1	142	<0.1	105	<0.5	56	145	<1
1590 O	<1	131	<0.1	136	<0.5	65	132	<1
1591	<1	125	<0.1	148	<0.5	38	139	<1
1591 O	<1	13.6	<0.1	78	<0.5	20	18	<1
1592	<1	120	<0.1	117	<0.5	35	125	<1
1592 O	<1	17.2	<0.1	101	<0.5	37	24	<1
1593	1	65.9	<0.1	102	<0.5	30	63	<1
1593 O	<1	13.9	<0.1	116	<0.5	28	18	<1
1594	<1	30.0	<0.1	131	<0.5	13	35	<1
1594 O	<1	22.4	<0.1	135	<0.5	18	28	<1
1595	<1	78.4	<0.1	153	<0.5	32	106	<1
1595 O	<1	20.5	<0.1	97	<0.5	37	26	<1
1596	<1	55.5	<0.1	120	<0.5	34	59	<1
1596 O	<1	30.6	<0.1	127	<0.5	32	50	<1
1597	<1	166	<0.1	223	<0.5	29	176	<1
1597 O	<1	14.8	<0.1	109	<0.5	29	18	<1
1598	<1	48.5	<0.1	60	<0.5	35	48	<1
1598 O	<1	44.3	<0.1	118	<0.5	32	54	<1
1599	<1	69.8	<0.1	234	<0.5	46	81	<1
1599 O	<1	29.6	<0.1	88	<0.5	16	38	<1
1600	<1	47.5	<0.1	177	<0.5	51	74	<1
1600 O	<1	13.5	<0.1	101	<0.5	26	17	<1
1601	<1	65.7	<0.1	110	<0.5	56	68	<1
1602	<1	18.3	<0.1	84	<0.5	18	22	<1
1603	<1	36.1	<0.1	90	<0.5	36	57	<1
1604	<1	11.4	<0.1	60	<0.5	16	17	<1
1605	<1	21.8	<0.1	90	<0.5	26	30	<1
1606	<1	34.3	<0.1	123	<0.5	51	45	<1
1607	<1	21.3	<0.1	85	<0.5	40	29	<1
1608	<1	13.9	<0.1	119	<0.5	33	18	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1609	<1	29.1	<0.1	140	<0.5	53	42	<1
1610	<1	48.9	<0.1	95	<0.5	40	62	<1
1611	<1	28.7	<0.1	181	<0.5	33	38	<1
1612	<1	40.5	<0.1	84	<0.5	42	53	<1
1613	<1	39.1	<0.1	73	<0.5	30	40	<1
1614	<1	31.1	<0.1	133	<0.5	40	45	<1
1615	<1	20.1	<0.1	94	<0.5	20	25	<1
1616	<1	30.5	<0.1	119	<0.5	34	37	<1
1617	<1	36.4	<0.1	141	<0.5	39	41	<1
1618	<1	21.7	<0.1	236	<0.5	23	28	<1
1619	<1	22.9	<0.1	107	<0.5	28	32	<1
1620	<1	73.2	<0.1	86	<0.5	124	196	<1
1621	<1	30.8	<0.1	166	<0.5	44	43	<1
1622	<1	2.3	<0.1	74	<0.5	<5	3	<1
1623	<1	13.3	<0.1	83	<0.5	19	15	<1
1624	<1	1.1	<0.1	85	<0.5	8	2	<1
1625	<1	8.1	<0.1	118	<0.5	30	14	<1
1626	<1	1.5	<0.1	64	<0.5	19	3	<1
1627	<1	11.5	<0.1	108	<0.5	21	17	<1
1628	<1	27.4	<0.1	128	<0.5	26	36	<1
1629	<1	46.6	<0.1	123	<0.5	41	53	<1
1630	<1	50.6	<0.1	105	<0.5	58	65	<1
1631	<1	20.0	<0.1	98	<0.5	49	56	<1
1632	<1	16.2	<0.1	70	<0.5	27	48	<1
1633	<1	4.9	<0.1	60	<0.5	<5	15	<1
1634	<1	52.4	<0.1	86	<0.5	32	81	<1
1635	<1	49.2	<0.1	166	<0.5	33	69	<1
1636	<1	15.6	<0.1	88	<0.5	9	31	<1
1637	<1	41.8	<0.1	81	<0.5	59	64	<1
1638	<1	109	<0.1	134	<0.5	54	185	<1
1639	<1	20.0	<0.1	46	<0.5	13	19	<1
1640	1	62.8	<0.1	54	<0.5	51	75	<1
1641	<1	80.1	<0.1	129	<0.5	93	188	<1
1642	<1	55.8	0.1	198	<0.5	50	79	<1
1643	<1	18.3	<0.1	126	<0.5	33	47	<1
1644	<1	38.4	<0.1	158	<0.5	33	53	<1
1645	<1	17.8	<0.1	68	<0.5	20	16	<1
1646	<1	11.3	<0.1	58	<0.5	7	18	<1
1647	<1	77.5	<0.1	74	<0.5	23	46	<1
1648	<1	52.8	<0.1	73	<0.5	53	78	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1649	<1	17.6	<0.1	62	<0.5	43	26	<1
1650	<1	23.5	<0.1	104	<0.5	37	27	<1
1651	<1	52.3	<0.1	176	<0.5	22	76	<1
1652	<1	151	<0.1	276	<0.5	73	164	2

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1585	80	1	4.9	<10	281	1080	0.4	77.2
1585 O	30	<1	5.2	20	16.6	420	0.2	26.4
1586	20	<1	3.8	<10	18.1	310	0.2	20.5
1586 O	350	<1	5.7	<10	30.3	400	0.1	49.2
1587	80	<1	35.9	<10	24.2	130	0.1	849
1587 O	120	<1	3.1	<10	27.8	460	<0.1	30.0
1588	<10	<1	15.9	<10	53.0	540	0.3	67.8
1588 O	<10	<1	9.7	<10	23.2	450	0.2	34.9
1589	<10	<1	6.2	<10	30.4	340	0.7	52.7
1589 O	50	<1	5.8	<10	23.3	480	0.2	42.4
1590	<10	<1	20.9	<10	40.9	570	0.4	53.7
1590 O	80	<1	18.3	<10	49.9	450	0.3	123
1591	<10	<1	24.2	<10	17.5	130	0.2	36.4
1591 O	40	<1	3.9	<10	10.5	530	0.1	12.9
1592	<10	<1	21.3	<10	11.8	80	0.2	26.0
1592 O	220	<1	4.4	<10	24.3	930	0.2	22.6
1593	10	<1	9.6	<10	53.0	630	0.4	51.5
1593 O	130	<1	3.4	<10	18.2	1210	0.1	16.4
1594	<10	<1	7.4	<10	24.1	380	0.3	25.9
1594 O	60	<1	5.5	<10	29.4	420	0.3	16.0
1595	30	<1	20.5	<10	35.8	200	0.3	50.9
1595 O	60	<1	4.5	<10	35.6	1050	0.2	23.9
1596	10	<1	14.2	<10	6.8	80	0.3	21.9
1596 O	500	<1	10.2	<10	29.7	170	0.3	35.0
1597	20	<1	31.2	<10	23.2	150	0.5	80.2
1597 O	130	<1	3.4	<10	15.2	800	0.2	19.4
1598	<10	<1	7.2	<10	43.6	570	0.2	28.6
1598 O	140	<1	8.6	<10	42.3	880	0.3	34.5
1599	20	<1	12.5	<10	48.4	620	0.3	386
1599 O	<10	<1	9.6	<10	10.4	170	0.3	25.4
1600	340	<1	14.5	<10	22.9	200	0.4	378
1600 O	200	<1	3.4	<10	14.7	590	<0.1	15.8
1601	160	<1	10.3	<10	51.9	680	0.2	88.1
1602	80	<1	3.9	<10	16.1	830	0.1	19.1
1603	50	<1	11.2	<10	20.6	850	0.1	50.2
1604	<10	<1	4.3	<10	8.7	320	0.3	14.0
1605	220	<1	6.3	<10	15.2	580	<0.1	25.2
1606	180	<1	8.0	<10	36.7	1170	0.2	43.2
1607	150	<1	5.5	<10	19.0	710	0.2	27.6
1608	110	<1	3.4	<10	24.4	870	<0.1	21.0

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1609	390	<1	8.2	<10	38.9	810	0.3	39.5
1610	270	<1	8.5	<10	37.2	590	0.3	41.5
1611	360	<1	6.4	<10	45.2	890	0.4	51.0
1612	1890	<1	11.2	<10	32.9	330	0.5	50.1
1613	240	<1	6.6	<10	55.1	700	0.2	57.6
1614	580	<1	9.2	<10	22.8	350	0.4	42.8
1615	110	<1	5.1	<10	6.7	280	0.2	12.2
1616	160	<1	6.7	<10	32.3	920	0.2	27.9
1617	190	<1	7.3	<10	24.3	530	0.2	45.6
1618	1110	<1	4.5	<10	13.9	520	0.2	26.7
1619	520	<1	5.8	<10	7.6	260	<0.1	17.1
1620	120	<1	46.2	<10	68.2	340	0.4	101
1621	870	<1	11.0	<10	24.0	450	0.5	29.7
1622	30	<1	1.1	<10	5.0	100	0.3	8.9
1623	40	<1	2.9	<10	22.5	760	<0.1	10.8
1624	190	<1	0.7	<10	0.7	160	0.2	4.3
1625	380	<1	3.7	<10	6.5	350	0.1	7.2
1626	380	<1	0.9	<10	1.7	300	0.1	4.0
1627	240	<1	5.0	<10	8.0	300	0.3	8.9
1628	350	<1	6.9	<10	10.9	260	<0.1	13.6
1629	160	<1	11.2	<10	6.4	120	<0.1	14.6
1630	400	<1	12.1	<10	7.9	930	<0.1	16.7
1631	1880	<1	12.0	<10	19.9	320	0.4	93.7
1632	1690	<1	9.6	<10	13.5	210	0.1	56.4
1633	4710	<1	3.3	<10	3.7	<10	<0.1	33.6
1634	1460	<1	13.5	<10	23.7	310	0.1	89.1
1635	1280	<1	12.1	<10	17.2	560	0.3	119
1636	5910	<1	6.0	<10	3.1	<10	<0.1	33.0
1637	1110	<1	15.1	<10	16.7	770	0.3	91.1
1638	100	<1	34.2	<10	35.8	160	0.5	105
1639	730	<1	3.5	<10	18.9	610	<0.1	9.8
1640	710	<1	16.2	<10	43.6	620	0.3	41.5
1641	440	<1	42.2	<10	31.3	150	0.2	203
1642	1160	<1	11.7	<10	16.2	1000	0.2	64.6
1643	1470	<1	8.9	<10	18.3	960	0.3	78.8
1644	380	<1	10.7	<10	8.2	380	0.1	57.7
1645	980	<1	2.3	<10	121	250	0.2	37.8
1646	5540	<1	4.1	<10	30.4	<10	<0.1	22.0
1647	1790	<1	7.8	<10	59.3	130	<0.1	20.7
1648	1000	<1	16.3	<10	46.8	140	0.1	167

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1649	1750	<1	7.4	<10	19.7	190	0.6	84.6
1650	40	<1	4.6	<10	35.7	900	0.2	24.5
1651	1350	<1	12.8	<10	18.9	150	0.3	75.2
1652	670	1	24.4	<10	85.9	1320	0.5	438

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Final : VC151808 Order: DeCoors / Hot Bath Project 1585-1652

Report File No.: 0000012411

Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1585	<0.5	125	10.4	50	110
1585 O	<0.5	166	15.1	540	149
1586	<0.5	155	14.6	30	75
1586 O	<0.5	218	17.7	190	106
1587	<0.5	2160	125	20	285
1587 O	<0.5	95	8.4	130	131
1588	<0.5	444	40.1	80	400
1588 O	<0.5	318	25.9	60	488
1589	<0.5	208	15.2	20	170
1589 O	<0.5	203	18.4	790	313
1590	<0.5	664	50.5	80	727
1590 O	<0.5	586	52.4	140	605
1591	<0.5	873	68.5	150	361
1591 O	<0.5	146	11.9	50	79
1592	<0.5	765	63.8	80	249
1592 O	<0.5	190	16.2	80	58
1593	<0.5	281	22.3	140	743
1593 O	<0.5	105	10.1	170	169
1594	<0.5	273	24.0	150	563
1594 O	<0.5	165	13.2	160	498
1595	<0.5	694	53.3	100	749
1595 O	<0.5	138	12.4	340	257
1596	<0.5	615	44.8	50	141
1596 O	<0.5	339	36.4	70	85
1597	<0.5	1130	79.5	150	443
1597 O	<0.5	120	10.7	70	166
1598	<0.5	232	20.4	40	293
1598 O	<0.5	262	23.8	190	1090
1599	<0.5	384	32.3	100	420
1599 O	<0.5	354	24.6	90	249
1600	<0.5	622	50.1	50	245
1600 O	<0.5	112	9.1	100	196
1601	<0.5	337	26.6	170	939
1602	<0.5	138	11.2	130	220
1603	<0.5	388	32.1	230	301
1604	<0.5	154	13.5	40	185
1605	<0.5	282	18.4	90	178
1606	<0.5	256	22.8	560	420
1607	<0.5	181	14.4	170	104
1608	<0.5	108	10.5	170	67

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1609	<0.5	287	25.5	60	48
1610	<0.5	267	22.1	30	107
1611	<0.5	215	18.0	230	92
1612	<0.5	386	30.4	60	56
1613	<0.5	215	19.7	60	235
1614	<0.5	318	25.3	60	93
1615	<0.5	216	12.7	20	60
1616	<0.5	223	17.6	70	161
1617	<0.5	270	21.0	70	135
1618	<0.5	128	8.5	100	122
1619	<0.5	178	11.9	40	65
1620	<0.5	1700	145	60	342
1621	<0.5	449	33.5	2970	479
1622	<0.5	53	13.9	210	205
1623	<0.5	83	9.1	90	489
1624	<0.5	47	10.3	350	74
1625	<0.5	139	12.6	410	106
1626	<0.5	51	10.8	210	50
1627	<0.5	192	18.3	950	191
1628	<0.5	243	15.5	90	276
1629	<0.5	490	26.2	50	136
1630	<0.5	532	31.6	130	243
1631	<0.5	519	42.1	160	126
1632	<0.5	436	30.7	60	99
1633	<0.5	139	8.8	130	30
1634	<0.5	631	51.7	80	211
1635	<0.5	472	36.6	460	283
1636	<0.5	305	18.9	150	54
1637	<0.5	712	51.7	110	210
1638	<0.5	1430	90.4	40	610
1639	<0.5	160	12.1	20	86
1640	<0.5	827	43.6	60	481
1641	<0.5	1920	165	80	474
1642	1.5	386	27.8	180	375
1643	<0.5	344	28.2	90	219
1644	<0.5	508	35.5	100	203
1645	<0.5	70	6.7	50	284
1646	<0.5	173	12.7	220	143
1647	<0.5	482	23.1	40	333
1648	<0.5	728	65.0	140	393

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1649	<0.5	441	38.9	30	122
1650	<0.5	138	12.5	160	484
1651	<0.5	452	30.1	1250	301
1652	0.6	914	72.0	220	987

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Certificate of Analysis
Work Order : VC151809
[Report File No.: 0000012412]

Date: August 21, 2015

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

P.O. No.: DeCoors / Hot Bath Project 1653-2032
Project No.: -
Samples: 84
Received: Jul 24, 2015
Pages: Page 1 to 22
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:
L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Member of the SGS Group (Société Générale de Surveillance)

SGS

Final : VC151809 Order: DeCoors / Hot Bath Project 1653-2032

Report File No.: 0000012412

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1653	4.0	201	<10	0.1	310	<0.5	10	4
1654	4.3	185	<10	<0.1	810	<0.5	23	3
1655	1.8	208	<10	<0.1	1630	<0.5	66	2
1656	2.0	236	<10	<0.1	480	<0.5	9	3
1657	2.7	200	<10	<0.1	1120	<0.5	31	2
1658	9.8	112	<10	0.3	3470	<0.5	104	4
1659	7.2	112	<10	0.3	570	<0.5	14	3
1660	3.9	190	<10	1.4	14100	<0.5	552	5
1661	3.8	70	<10	0.6	1790	<0.5	538	2
1662	2.4	298	<10	0.7	230	<0.5	4	1
1663	1.9	277	<10	0.3	930	<0.5	97	2
1664	2.2	192	<10	0.4	480	<0.5	12	<1
1665	4.8	69	<10	1.0	920	<0.5	239	2
1666	21.4	99	<10	1.2	2250	<0.5	293	4
1667	4.4	70	<10	2.2	1750	<0.5	481	8
1668	10.2	94	<10	0.3	2470	<0.5	252	23
1669	2.2	206	<10	<0.1	1280	<0.5	64	2
1670 LG	10.4	214	<10	<0.1	540	<0.5	5	5
1671	20.5	149	<10	0.4	190	<0.5	18	2
1672	11.5	101	<10	0.7	430	<0.5	70	4
1673	3.9	225	<10	0.4	580	<0.5	13	4
1674	4.5	142	<10	0.8	280	<0.5	7	1
1675	9.6	116	<10	<0.1	140	<0.5	<2	6
1676	4.1	111	10	0.2	400	<0.5	194	8
1677	6.3	79	<10	0.3	160	<0.5	107	4
1678	2.8	176	<10	0.2	690	<0.5	65	3
1679	3.4	171	<10	0.1	180	<0.5	4	4
1680	2.3	188	<10	<0.1	270	<0.5	2	7
1681	2.9	213	<10	<0.1	400	<0.5	17	5
1682	4.6	255	<10	<0.1	430	<0.5	11	8
1683	7.1	75	<10	0.6	470	<0.5	38	1
1684	6.2	96	<10	0.3	630	<0.5	99	5
1685	3.9	213	<10	<0.1	220	<0.5	4	9
1686	2.5	230	<10	<0.1	410	<0.5	8	6
1687	10.7	207	<10	0.5	400	<0.5	19	4
1688	3.3	241	<10	<0.1	390	<0.5	3	5
1689	13.5	156	<10	0.3	1540	<0.5	182	9
1690	7.4	186	<10	<0.1	180	<0.5	14	7
1691	3.4	224	<10	<0.1	570	<0.5	9	5
1692	4.3	164	<10	0.1	350	<0.5	8	2

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Final : VC151809 Order: DeCoors / Hot Bath Project 1653-2032

Report File No.: 0000012412

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
1693	10.4	110	<10	0.3	4160	<0.5	292	8
1694	7.0	133	<10	0.2	5230	<0.5	252	4
1695	2.5	287	<10	0.1	530	<0.5	20	3
1696	5.7	150	<10	<0.1	380	<0.5	5	4
1697	1.8	244	<10	<0.1	860	<0.5	19	13
1698	8.0	126	<10	0.2	5030	<0.5	228	9
1699	6.6	80	<10	0.6	2370	<0.5	209	39
1700	1.2	71	<10	0.2	1510	<0.5	315	7
188 Y	8.5	74	<10	<0.1	220	<0.5	4	8
189 Y	5.9	194	<10	<0.1	460	<0.5	13	9
190 Y	5.6	141	<10	<0.1	90	<0.5	<2	4
2000	17.1	169	<10	<0.1	120	<0.5	<2	3
2001	2.5	208	<10	<0.1	370	<0.5	<2	7
2002	6.5	164	<10	<0.1	140	<0.5	<2	5
2003	3.7	119	<10	<0.1	90	<0.5	<2	4
2004	4.8	260	<10	<0.1	560	<0.5	4	5
2005	2.2	185	<10	<0.1	180	<0.5	<2	6
2006	5.3	225	<10	<0.1	470	<0.5	4	6
2007	7.5	110	<10	<0.1	130	<0.5	<2	2
2008	6.7	159	<10	<0.1	210	<0.5	<2	5
2009	17.7	144	<10	<0.1	150	<0.5	<2	2
2010	10.0	173	<10	<0.1	340	<0.5	3	6
2011	8.4	163	<10	<0.1	140	<0.5	<2	5
2012	4.7	201	<10	0.1	470	<0.5	<2	6
2013	2.7	196	<10	<0.1	520	<0.5	6	7
2014	1.8	117	<10	<0.1	1000	<0.5	226	10
2015	19.3	119	<10	0.2	2330	<0.5	89	7
2016	8.0	136	<10	0.1	1660	<0.5	105	8
2017	3.4	160	<10	<0.1	180	<0.5	3	5
2018	2.1	163	<10	<0.1	80	<0.5	<2	4
2019	3.5	156	<10	<0.1	170	<0.5	<2	10
2020	2.9	181	<10	<0.1	290	<0.5	<2	6
2021	6.2	127	<10	<0.1	190	<0.5	<2	5
2022	5.3	156	<10	<0.1	210	<0.5	<2	2
2023	1.3	178	<10	<0.1	420	<0.5	3	2
2024	7.3	170	<10	<0.1	120	<0.5	<2	5
2025	23.3	118	<10	<0.1	220	<0.5	<2	7
2026	19.5	127	<10	<0.1	170	<0.5	<2	5
2027	5.3	229	<10	<0.1	350	<0.5	<2	1
2028	5.8	104	<10	<0.1	200	<0.5	<2	8

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2029	4.4	131	<10	<0.1	160	<0.5	<2	4
2030	6.8	100	<10	<0.1	160	<0.5	<2	6
2031	13.6	91	<10	<0.1	160	<0.5	2	9
2032	9.1	85	<10	<0.1	260	<0.5	6	6

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SGS

Final : VC151809 Order: DeCoors / Hot Bath Project 1653-2032

Report File No.: 0000012412

Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1653	527	7	<100	6.1	330	79.3	42.2	16.9
1654	1390	10	<100	7.6	310	140	70.4	41.9
1655	793	8	<100	4.5	290	68.4	36.6	19.3
1656	129	8	<100	4.0	300	27.5	13.0	6.0
1657	447	10	<100	4.6	260	45.5	21.1	10.2
1658	428	26	<100	5.0	1310	157	90.7	29.9
1659	465	22	<100	7.5	700	220	129	31.9
1660	977	23	<100	3.3	230	250	145	51.9
1661	219	67	<100	0.9	610	63.2	37.5	11.0
1662	225	9	<100	7.9	1090	28.2	15.1	5.0
1663	240	15	<100	1.6	120	19.4	11.0	4.6
1664	441	9	<100	6.2	160	44.7	21.1	8.0
1665	75	10	<100	2.8	590	36.5	20.6	7.9
1666	66	33	<100	2.4	2670	35.1	20.9	6.4
1667	31	109	<100	1.8	4450	7.7	5.5	2.0
1668	153	234	<100	2.3	10000	24.4	15.9	5.6
1669	247	13	<100	2.2	250	19.4	9.8	6.3
1670 LG	109	15	<100	3.7	300	21.2	10.3	3.8
1671	428	26	<100	15.5	2260	81.9	42.6	20.7
1672	1010	7	<100	7.4	490	151	81.9	34.0
1673	554	18	<100	6.7	680	47.2	22.6	9.5
1674	697	15	<100	7.3	550	78.5	39.9	15.8
1675	679	5	<100	9.8	480	143	72.2	15.4
1676	123	16	<100	10.7	820	26.2	13.7	6.9
1677	100	2	<100	7.8	900	37.9	20.3	4.3
1678	218	25	<100	3.5	2570	109	66.2	18.6
1679	249	8	<100	8.6	960	85.0	45.9	11.9
1680	38	22	<100	6.4	290	21.8	15.5	2.1
1681	210	9	<100	7.2	840	56.0	27.2	10.9
1682	172	10	<100	9.9	480	34.3	18.3	7.6
1683	152	36	<100	10.5	7930	154	93.2	22.1
1684	188	22	<100	5.4	3360	159	99.3	25.5
1685	144	17	<100	5.3	930	56.5	32.5	9.0
1686	94	10	<100	5.6	470	34.2	17.4	5.7
1687	365	11	<100	9.3	720	62.6	34.9	17.1
1688	99	14	<100	5.0	200	28.1	16.1	4.3
1689	122	21	<100	5.6	7340	71.7	41.6	15.4
1690	381	4	<100	7.7	820	77.9	42.1	15.7
1691	246	7	<100	7.3	180	41.6	21.4	8.5
1692	1030	12	<100	5.5	920	242	124	38.5

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1693	355	67	<100	4.6	860	112	72.6	18.0
1694	146	4	<100	5.2	1570	82.7	57.5	13.9
1695	197	18	<100	3.6	690	24.8	11.9	6.2
1696	425	11	<100	6.1	320	85.1	42.3	11.6
1697	111	34	<100	4.9	650	36.9	19.3	5.2
1698	341	16	<100	2.3	1480	174	106	27.2
1699	486	545	<100	2.9	15000	78.2	47.8	17.1
1700	112	63	<100	2.6	1300	29.5	19.3	5.6
188 Y	389	22	<100	5.3	220	88.5	49.1	10.5
189 Y	191	14	<100	3.9	490	52.6	26.6	9.2
190 Y	83	14	<100	3.8	80	37.0	17.3	4.1
2000	39	11	<100	5.8	180	19.3	11.0	1.7
2001	15	179	<100	5.0	900	6.4	6.3	0.5
2002	33	11	<100	4.9	280	24.6	16.4	1.8
2003	16	6	<100	6.1	160	13.7	9.0	0.9
2004	146	11	<100	7.9	420	27.1	12.4	4.5
2005	23	13	<100	4.7	70	21.0	14.4	1.6
2006	80	7	<100	6.3	240	18.1	8.3	3.1
2007	247	8	<100	6.7	190	61.4	31.4	6.8
2008	135	6	<100	8.4	270	34.4	16.3	4.3
2009	154	7	<100	4.9	480	42.5	22.3	5.7
2010	169	12	<100	5.6	460	44.7	17.0	5.6
2011	52	10	<100	6.5	180	18.4	10.2	1.9
2012	33	25	<100	8.8	190	18.1	11.4	1.4
2013	24	36	<100	3.6	770	11.4	7.6	1.1
2014	42	43	<100	2.3	530	36.7	21.3	4.8
2015	189	22	<100	4.0	1430	123	75.6	16.7
2016	188	39	<100	4.7	1740	110	66.0	14.6
2017	6	30	<100	2.8	80	5.0	6.1	0.3
2018	15	40	<100	2.2	110	12.9	9.4	0.8
2019	17	64	<100	6.1	170	19.6	13.1	1.0
2020	16	70	<100	5.4	160	14.3	11.0	0.7
2021	13	23	<100	8.6	220	18.8	13.7	0.9
2022	6	17	<100	9.6	90	3.5	3.6	<0.2
2023	7	32	<100	1.5	30	1.2	1.2	<0.2
2024	11	46	<100	6.3	110	16.6	14.8	0.6
2025	54	38	<100	6.6	700	40.3	23.7	3.6
2026	16	20	<100	6.3	150	22.8	14.7	1.3
2027	24	19	<100	9.7	200	6.9	4.7	0.9
2028	358	23	<100	5.7	260	111	60.5	11.1

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2029	98	39	<100	4.9	170	51.2	29.6	5.0
2030	259	21	<100	5.6	190	73.9	43.6	8.6
2031	512	9	<100	9.0	330	106	53.5	12.8
2032	343	11	<100	5.1	950	136	82.5	15.6

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1653	21	6.8	82.8	<1	0.2	4.6	270	<1
1654	16	1.7	153	<1	<0.1	6.6	802	<1
1655	19	4.3	81.7	<1	<0.1	3.5	437	<1
1656	16	4.8	25.7	<1	0.1	5.1	46	<1
1657	21	9.4	48.0	<1	0.1	5.8	199	<1
1658	23	2.1	159	<1	0.1	5.1	317	<1
1659	14	3.6	177	<1	<0.1	6.1	248	<1
1660	12	<0.5	213	<1	<0.1	2.6	872	<1
1661	9	0.6	61.6	<1	<0.1	9.1	55	<1
1662	80	6.6	29.4	1	0.1	4.3	108	<1
1663	16	2.7	20.2	<1	<0.1	4.2	208	<1
1664	31	6.7	47.6	<1	0.1	4.8	217	<1
1665	11	2.3	42.6	<1	<0.1	9.9	20	<1
1666	16	2.5	30.6	<1	<0.1	10.0	26	<1
1667	38	1.0	7.2	<1	<0.1	13.2	11	<1
1668	39	1.8	22.3	<1	<0.1	18.6	36	<1
1669	15	1.7	23.7	<1	<0.1	5.8	150	<1
1670 LG	53	15.2	18.3	<1	0.2	3.3	45	<1
1671	32	8.9	98.8	<1	0.1	8.3	287	<1
1672	19	4.2	186	<1	<0.1	5.4	533	<1
1673	24	4.5	48.8	<1	0.2	6.1	286	<1
1674	13	7.2	83.2	<1	0.1	5.0	344	<1
1675	14	10.3	112	<1	0.3	4.2	237	<1
1676	30	4.9	28.7	<1	<0.1	16.4	58	1
1677	7	2.3	30.8	<1	<0.1	9.4	41	<1
1678	22	2.7	80.1	<1	0.2	4.7	98	<1
1679	18	9.0	67.1	<1	0.3	4.3	98	<1
1680	44	9.8	10.5	<1	0.3	5.2	15	<1
1681	23	4.2	54.1	<1	0.2	3.7	95	<1
1682	23	6.4	33.1	<1	0.2	7.3	70	<1
1683	10	1.5	109	<1	<0.1	6.7	110	<1
1684	12	1.1	127	<1	<0.1	5.5	175	<1
1685	26	7.9	42.5	<1	0.3	8.3	62	<1
1686	28	5.8	26.5	<1	0.3	3.0	38	<1
1687	32	7.3	70.5	<1	0.2	8.6	172	<1
1688	33	11.8	19.8	<1	0.2	9.9	39	<1
1689	24	3.4	68.1	<1	<0.1	17.8	118	<1
1690	18	7.8	74.8	<1	0.2	5.3	143	<1
1691	22	6.3	40.8	<1	0.2	4.7	98	<1
1692	16	5.9	219	<1	0.2	2.6	524	<1

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Final : VC151809 Order: DeCoors / Hot Bath Project 1653-2032

Report File No.: 0000012412

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
1693	13	<0.5	92.6	<1	<0.1	7.8	156	<1
1694	12	2.8	70.6	<1	<0.1	16.8	112	2
1695	39	9.6	25.9	<1	0.2	10.7	102	<1
1696	21	10.4	71.9	<1	0.4	3.6	172	<1
1697	27	9.8	26.8	<1	0.2	15.5	41	<1
1698	17	1.6	136	<1	<0.1	2.7	226	<1
1699	32	1.3	76.8	<1	<0.1	7.4	173	<1
1700	22	1.6	25.7	<1	<0.1	6.9	59	<1
188 Y	11	11.0	63.7	<1	0.2	4.3	150	<1
189 Y	15	6.1	49.8	<1	0.2	5.7	86	<1
190 Y	22	10.3	24.5	<1	0.4	3.0	29	<1
2000	39	17.7	9.0	<1	0.3	5.0	14	<1
2001	86	14.5	2.6	<1	0.4	17.0	7	<1
2002	48	13.4	11.1	<1	0.5	4.1	11	<1
2003	24	6.0	5.9	<1	0.3	2.8	6	<1
2004	37	13.1	23.7	<1	0.4	6.2	58	<1
2005	36	14.1	8.7	<1	0.4	6.4	8	<1
2006	23	5.8	14.7	<1	0.3	4.7	32	<1
2007	16	8.0	40.3	<1	0.3	3.2	88	<1
2008	28	9.6	24.7	<1	0.3	4.5	47	<1
2009	13	11.0	31.0	<1	0.3	2.5	54	<1
2010	23	11.4	33.2	<1	0.3	5.3	61	<1
2011	26	9.1	11.4	<1	0.3	4.8	19	<1
2012	79	19.4	8.8	<1	0.5	5.9	11	<1
2013	62	8.4	4.7	<1	0.3	13.5	6	<1
2014	62	7.6	22.9	<1	0.2	14.1	20	<1
2015	20	3.2	86.6	<1	0.1	13.7	142	<1
2016	26	4.4	77.2	<1	0.2	4.9	108	<1
2017	54	7.6	1.5	<1	0.3	6.8	3	<1
2018	38	7.7	4.6	<1	0.3	4.7	8	<1
2019	36	9.3	6.2	<1	0.4	7.4	6	<1
2020	36	10.3	4.6	<1	0.4	12.3	6	<1
2021	30	7.0	5.4	<1	0.4	6.0	5	<1
2022	54	7.9	1.0	<1	0.4	7.0	3	<1
2023	96	25.2	0.5	<1	0.5	18.5	3	1
2024	44	12.3	4.4	<1	0.4	5.8	4	<1
2025	27	12.9	20.7	<1	0.3	4.2	16	<1
2026	26	11.6	7.4	<1	0.4	3.4	5	<1
2027	134	21.5	4.3	<1	0.3	4.5	11	<1
2028	19	12.8	71.7	<1	0.3	3.5	113	<1

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Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2029	16	11.5	30.8	<1	0.3	3.1	28	<1
2030	14	15.4	49.5	<1	0.3	2.2	84	<1
2031	9	12.8	80.9	<1	0.2	4.0	206	<1
2032	9	7.3	94.9	<1	0.2	2.9	184	<1

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SGS

Final : VC151809 Order: DeCoors / Hot Bath Project 1653-2032

Report File No.: 0000012412

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1653	<0.5	800	6	8.5	370	20	4.5	56
1654	1.7	1000	3	2.3	783	21	4.0	65
1655	4.0	600	2	3.9	427	28	5.9	44
1656	1.0	400	2	3.2	94	47	1.8	68
1657	1.3	800	30	16.1	233	16	4.0	59
1658	5.5	5600	17	6.7	518	17	0.4	61
1659	0.7	7300	43	3.9	547	13	0.5	43
1660	27.9	2400	5	<0.5	845	68	<0.1	15
1661	46.7	200	44	<0.5	122	51	<0.1	<5
1662	1.4	200	8	6.6	123	19	8.2	95
1663	5.0	300	16	1.1	113	12	1.2	71
1664	0.6	600	10	9.5	219	<5	5.8	25
1665	8.8	700	30	2.0	91	13	1.2	6
1666	12.5	2600	6	2.7	57	15	0.5	12
1667	20.9	12800	34	<0.5	20	44	0.3	10
1668	11.7	15800	12	1.9	64	156	0.5	19
1669	1.1	400	4	2.2	112	12	2.9	32
1670 LG	<0.5	500	3	16.9	70	42	1.5	86
1671	1.1	1100	16	6.8	454	18	3.5	34
1672	4.0	700	9	13.3	807	8	1.0	46
1673	0.9	1100	3	5.9	260	13	2.2	51
1674	0.8	1800	5	3.5	488	11	2.1	55
1675	<0.5	100	<2	1.7	475	35	0.1	80
1676	6.5	2000	11	6.0	110	65	3.2	14
1677	3.5	400	6	2.9	82	26	0.2	40
1678	3.4	900	3	1.4	236	74	0.8	56
1679	<0.5	700	5	9.5	223	32	1.8	61
1680	1.0	200	<2	2.9	29	58	2.4	46
1681	0.7	300	2	3.2	187	75	1.0	40
1682	1.1	800	4	3.7	133	35	2.2	32
1683	2.5	3000	9	1.9	274	24	0.3	19
1684	4.9	1100	11	1.1	346	47	0.3	26
1685	1.0	1100	3	5.4	133	53	3.1	44
1686	<0.5	400	<2	4.7	81	57	1.9	57
1687	<0.5	500	9	6.1	293	11	1.2	48
1688	1.2	200	2	3.3	68	49	3.1	46
1689	8.8	1700	8	4.4	194	30	1.3	66
1690	<0.5	600	2	4.1	281	15	1.0	46
1691	<0.5	300	<2	2.8	165	65	1.1	35
1692	<0.5	200	23	4.7	823	35	0.8	59

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Final : VC151809 Order: DeCoors / Hot Bath Project 1653-2032

Report File No.: 0000012412

Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
1693	13.7	11700	10	<0.5	236	31	0.3	26
1694	14.1	500	4	3.8	188	21	0.3	27
1695	1.8	800	5	7.7	109	50	8.6	52
1696	<0.5	400	<2	5.5	282	46	0.6	65
1697	2.4	1800	3	5.0	78	64	4.4	59
1698	5.2	1500	<2	0.8	392	59	0.6	62
1699	84.2	11600	123	2.5	267	682	0.2	121
1700	14.0	10000	17	0.6	82	42	0.3	32
188 Y	0.8	300	2	0.7	266	113	0.1	31
189 Y	3.5	200	<2	4.8	171	35	1.2	52
190 Y	1.1	<100	<2	5.5	69	27	0.6	75
2000	<0.5	<100	2	18.0	25	41	0.7	73
2001	3.4	2200	2	11.0	7	60	2.6	31
2002	<0.5	200	<2	9.7	26	32	0.9	66
2003	<0.5	<100	<2	3.0	13	30	0.4	36
2004	0.7	1100	3	13.7	89	65	2.9	66
2005	0.8	300	<2	8.2	21	48	1.2	50
2006	<0.5	700	3	3.9	51	46	1.8	45
2007	<0.5	100	<2	1.1	168	61	0.3	48
2008	<0.5	300	<2	5.2	93	28	0.5	42
2009	<0.5	<100	<2	3.0	123	30	0.3	77
2010	<0.5	600	2	6.1	108	32	0.7	60
2011	<0.5	200	2	7.1	34	32	0.8	50
2012	0.5	2300	3	17.2	20	51	2.0	50
2013	3.5	800	<2	2.9	11	48	1.5	28
2014	19.2	900	<2	1.5	51	49	0.7	39
2015	11.6	600	<2	1.4	285	32	0.3	32
2016	5.7	2700	<2	4.8	236	97	0.8	26
2017	2.7	<100	<2	3.8	4	41	0.6	14
2018	<0.5	<100	<2	6.2	9	53	1.6	14
2019	0.9	400	2	7.3	11	76	1.2	27
2020	1.2	600	<2	7.3	10	68	1.4	34
2021	<0.5	<100	<2	1.7	10	44	0.3	37
2022	<0.5	<100	<2	2.6	4	26	0.4	15
2023	2.3	600	3	10.8	2	43	1.0	<5
2024	<0.5	100	2	7.3	7	44	0.8	37
2025	<0.5	400	<2	5.3	55	69	0.7	52
2026	<0.5	<100	<2	5.9	14	40	0.6	30
2027	<0.5	200	4	18.0	12	43	3.6	88
2028	<0.5	200	<2	1.8	287	66	0.3	56

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2029	<0.5	100	<2	3.7	88	89	0.8	74
2030	<0.5	100	<2	2.3	202	74	0.4	34
2031	<0.5	100	<2	0.8	373	57	0.2	32
2032	0.7	400	<2	1.3	367	58	0.2	37

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1653	<1	94.3	<0.1	101	<0.5	43	83	<1
1654	<1	200	<0.1	85	<0.5	72	150	<1
1655	<1	111	<0.1	45	<0.5	41	88	<1
1656	<1	18.8	<0.1	98	<0.5	19	23	<1
1657	<1	57.7	<0.1	81	<0.5	27	48	<1
1658	<1	109	<0.1	100	<0.5	62	135	<1
1659	<1	112	<0.1	94	<0.5	54	140	<1
1660	<1	200	<0.1	53	<0.5	38	179	<1
1661	<1	20.3	<0.1	41	<0.5	17	40	<1
1662	<1	32.6	<0.1	68	<0.5	28	30	<1
1663	<1	29.1	<0.1	24	<0.5	17	20	<1
1664	<1	58.6	<0.1	63	<0.5	26	49	<1
1665	<1	14.2	<0.1	95	<0.5	10	35	<1
1666	<1	10.7	<0.1	81	<0.5	35	20	<1
1667	1	3.9	0.2	51	<0.5	20	6	<1
1668	<1	12.6	<0.1	139	<0.5	41	18	<1
1669	<1	30.1	<0.1	27	<0.5	20	23	<1
1670 LG	<1	15.9	<0.1	92	<0.5	21	17	<1
1671	<1	109	<0.1	154	<0.5	44	106	<1
1672	<1	180	<0.1	115	<0.5	69	176	<1
1673	<1	65.6	<0.1	83	<0.5	27	53	<1
1674	<1	118	<0.1	84	<0.5	45	99	<1
1675	<1	106	<0.1	120	<0.5	24	104	<1
1676	<1	23.4	<0.1	133	<0.5	18	29	<1
1677	<1	17.2	<0.1	94	<0.5	11	22	<1
1678	<1	45.2	<0.1	55	<0.5	42	63	<1
1679	<1	49.5	<0.1	125	<0.5	32	58	<1
1680	<1	6.2	<0.1	94	<0.5	20	8	<1
1681	<1	40.4	<0.1	115	<0.5	23	46	<1
1682	<1	26.9	<0.1	155	<0.5	25	30	<1
1683	<1	53.6	<0.1	142	<0.5	40	76	<1
1684	<1	68.8	<0.1	104	<0.5	31	93	<1
1685	<1	28.3	<0.1	106	<0.5	30	33	<1
1686	<1	16.9	<0.1	84	<0.5	18	22	<1
1687	<1	66.0	<0.1	135	<0.5	42	69	<1
1688	<1	15.4	<0.1	110	<0.5	20	19	<1
1689	<1	41.6	<0.1	107	<0.5	41	54	<1
1690	<1	61.6	<0.1	122	<0.5	41	69	<1
1691	<1	35.7	<0.1	87	<0.5	29	37	<1
1692	<1	194	<0.1	72	<0.5	54	187	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1693	<1	50.2	<0.1	76	<0.5	51	68	<1
1694	<1	36.4	<0.1	81	<0.5	48	52	<1
1695	<1	27.0	<0.1	64	<0.5	27	26	<1
1696	<1	67.5	<0.1	70	<0.5	27	62	<1
1697	<1	17.0	<0.1	92	<0.5	22	21	<1
1698	<1	83.9	<0.1	46	<0.5	52	102	<1
1699	<1	58.5	<0.1	74	0.9	70	66	<1
1700	<1	17.9	<0.1	74	<0.5	29	21	<1
188 Y	<1	65.8	<0.1	52	<0.5	26	56	<1
189 Y	<1	38.0	<0.1	58	<0.5	21	42	<1
190 Y	<1	14.7	<0.1	46	<0.5	22	18	<1
2000	<1	5.5	<0.1	65	<0.5	15	7	<1
2001	<1	1.8	<0.1	117	<0.5	21	2	<1
2002	<1	5.8	<0.1	48	<0.5	12	8	<1
2003	<1	2.9	<0.1	57	<0.5	11	4	<1
2004	<1	19.7	<0.1	97	<0.5	23	21	<1
2005	<1	4.5	<0.1	70	<0.5	25	6	<1
2006	<1	11.6	<0.1	101	<0.5	16	13	<1
2007	<1	37.3	<0.1	59	<0.5	19	37	<1
2008	<1	21.3	<0.1	73	<0.5	16	22	<1
2009	<1	26.1	<0.1	43	<0.5	25	27	<1
2010	<1	25.0	<0.1	107	<0.5	23	28	<1
2011	<1	7.6	<0.1	93	<0.5	16	8	<1
2012	<1	4.3	<0.1	103	<0.5	16	6	<1
2013	<1	2.2	<0.1	71	<0.5	14	3	<1
2014	<1	9.7	<0.1	63	<0.5	29	16	<1
2015	<1	59.0	<0.1	58	<0.5	43	68	<1
2016	<1	48.9	<0.1	44	<0.5	33	57	<1
2017	<1	0.8	<0.1	47	<0.5	8	<1	<1
2018	<1	2.0	<0.1	42	<0.5	11	3	<1
2019	<1	2.1	<0.1	96	<0.5	16	4	<1
2020	<1	2.1	<0.1	95	<0.5	19	3	<1
2021	<1	1.8	<0.1	101	<0.5	10	3	<1
2022	<1	0.8	<0.1	80	<0.5	6	<1	<1
2023	<1	0.7	<0.1	148	<0.5	10	<1	<1
2024	<1	1.5	<0.1	68	<0.5	15	2	<1
2025	<1	10.2	<0.1	64	<0.5	22	14	<1
2026	<1	2.4	<0.1	51	<0.5	15	5	<1
2027	<1	3.1	<0.1	56	<0.5	14	4	<1
2028	<1	61.5	<0.1	69	<0.5	24	61	<1

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Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2029	<1	17.5	<0.1	68	<0.5	34	24	<1
2030	<1	47.6	<0.1	68	<0.5	39	43	<1
2031	<1	85.2	<0.1	85	<0.5	36	72	<1
2032	<1	82.4	<0.1	62	<0.5	42	75	<1

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1653	<10	1	13.5	10	54.3	650	0.3	71.6
1654	90	<1	23.4	10	61.5	270	0.3	69.3
1655	270	<1	12.3	<10	48.1	510	0.2	39.7
1656	70	<1	4.3	10	10.2	410	0.1	14.2
1657	130	1	8.0	<10	48.8	690	0.3	32.6
1658	810	<1	24.9	<10	28.7	320	0.2	291
1659	50	<1	31.4	10	27.9	260	0.1	479
1660	4110	<1	37.9	10	68.2	20	1.0	112
1661	5170	<1	10.1	<10	21.1	70	<0.1	120
1662	20	<1	4.6	<10	88.2	690	0.9	61.5
1663	490	<1	3.2	<10	30.2	350	<0.1	35.5
1664	30	<1	7.7	<10	85.3	570	0.5	48.0
1665	1050	<1	6.0	<10	15.5	180	0.1	62.0
1666	4910	<1	5.0	<10	4.9	340	0.2	36.4
1667	5100	<1	1.2	<10	<0.5	60	0.2	18.3
1668	4310	<1	3.8	<10	4.0	160	0.3	63.0
1669	290	<1	3.4	<10	38.3	820	<0.1	31.7
1670 LG	30	<1	3.2	<10	10.1	1070	<0.1	9.8
1671	10	<1	14.4	<10	83.8	660	0.7	147
1672	150	<1	26.6	<10	25.6	800	0.3	45.3
1673	20	<1	8.5	<10	42.3	560	0.2	39.0
1674	<10	<1	13.4	<10	38.8	550	<0.1	42.5
1675	<10	<1	22.3	<10	12.8	50	0.3	28.5
1676	360	<1	4.3	<10	19.2	440	0.1	247
1677	420	<1	5.4	<10	6.4	70	<0.1	131
1678	430	<1	16.1	<10	12.0	170	<0.1	159
1679	<10	<1	12.6	<10	21.2	400	0.2	66.5
1680	30	<1	2.6	<10	7.6	290	0.3	18.3
1681	70	<1	8.9	<10	10.5	330	<0.1	42.7
1682	60	<1	5.6	<10	17.7	490	0.1	29.7
1683	280	<1	20.8	<10	15.6	120	0.3	410
1684	620	<1	22.3	<10	12.2	100	0.2	259
1685	20	<1	8.0	<10	14.3	390	0.1	39.6
1686	80	<1	5.2	<10	14.1	360	0.2	21.7
1687	30	<1	10.7	<10	50.5	480	0.2	76.2
1688	40	<1	4.2	<10	17.8	410	0.1	17.4
1689	900	<1	10.8	<10	27.1	260	0.2	121
1690	<10	<1	12.6	<10	23.7	350	0.2	84.3
1691	50	<1	6.8	<10	13.2	350	0.2	19.4
1692	30	<1	36.8	<10	33.2	330	0.5	288

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Final : VC151809 Order: DeCoors / Hot Bath Project 1653-2032

Report File No.: 0000012412

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1693	2160	<1	16.1	<10	20.3	60	0.3	139
1694	2100	<1	12.9	<10	22.7	300	<0.1	401
1695	100	<1	3.9	<10	46.3	1050	0.1	32.4
1696	20	<1	12.8	<10	9.3	290	0.4	16.5
1697	230	<1	5.5	<10	17.4	370	0.3	16.4
1698	2080	<1	25.6	<10	28.0	120	0.2	226
1699	1140	<1	12.0	<10	13.7	100	0.7	444
1700	1760	<1	4.4	<10	7.0	80	0.2	125
188 Y	10	<1	12.7	<10	2.4	60	0.1	10.1
189 Y	230	<1	8.6	<10	3.2	380	0.2	10.6
190 Y	<10	<1	5.3	<10	4.1	230	<0.1	8.6
2000	<10	<1	2.2	<10	8.2	720	<0.1	8.4
2001	40	<1	0.6	<10	7.4	460	0.1	7.9
2002	<10	<1	3.1	<10	4.9	290	<0.1	7.7
2003	<10	<1	1.7	<10	2.1	180	<0.1	5.3
2004	30	<1	4.4	<10	17.4	750	0.2	13.5
2005	<10	<1	2.4	<10	4.0	430	0.2	6.9
2006	20	<1	2.7	<10	8.0	420	0.2	8.7
2007	<10	<1	8.9	<10	2.9	70	0.1	11.1
2008	<10	<1	5.2	<10	8.0	260	0.1	11.0
2009	<10	<1	6.1	<10	3.0	160	<0.1	7.6
2010	30	<1	6.5	<10	10.9	330	<0.1	15.7
2011	<10	<1	2.5	<10	5.2	430	0.1	7.0
2012	50	<1	2.2	<10	6.9	850	0.1	6.5
2013	90	<1	1.3	<10	2.9	230	<0.1	5.4
2014	1780	<1	4.9	<10	3.7	160	<0.1	57.4
2015	1070	<1	17.2	<10	4.3	160	<0.1	175
2016	1120	<1	14.9	<10	6.0	380	<0.1	166
2017	60	<1	0.5	<10	<0.5	200	<0.1	4.0
2018	<10	<1	1.3	<10	1.1	400	<0.1	3.2
2019	<10	<1	2.0	<10	3.3	480	0.1	7.2
2020	<10	<1	1.5	<10	5.5	410	0.2	8.8
2021	<10	<1	1.8	<10	1.8	80	<0.1	8.1
2022	<10	<1	0.3	<10	1.3	100	<0.1	4.9
2023	30	<1	0.1	<10	1.2	540	0.1	3.8
2024	<10	<1	1.5	<10	3.2	360	<0.1	6.1
2025	<10	<1	5.0	<10	2.8	290	0.1	9.0
2026	<10	<1	2.5	<10	1.5	370	<0.1	6.4
2027	<10	<1	0.8	<10	10.1	1440	0.2	11.0
2028	<10	<1	15.6	<10	4.6	110	0.1	11.9

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2029	<10	<1	7.0	<10	5.3	250	<0.1	8.1
2030	<10	<1	10.1	<10	2.4	200	0.1	9.8
2031	<10	<1	15.4	<10	2.5	80	0.2	11.7
2032	30	<1	19.5	<10	2.0	110	0.1	15.2

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1653	<0.5	414	35.7	40	490
1654	<0.5	890	55.2	20	210
1655	<0.5	408	29.8	30	134
1656	<0.5	135	10.1	50	73
1657	<0.5	191	15.2	40	888
1658	<0.5	1010	71.5	140	428
1659	0.5	1300	107	60	315
1660	0.5	1610	117	100	32
1661	<0.5	473	25.8	50	38
1662	<0.5	138	12.5	30	200
1663	<0.5	148	7.9	30	114
1664	<0.5	186	16.1	20	930
1665	<0.5	192	16.3	30	148
1666	<0.5	209	17.3	120	99
1667	<0.5	51	3.7	50	34
1668	<0.5	166	12.6	240	110
1669	<0.5	111	7.5	20	130
1670 LG	<0.5	95	7.7	70	212
1671	<0.5	423	34.2	60	296
1672	<0.5	1000	61.9	90	321
1673	<0.5	220	16.2	50	416
1674	<0.5	307	33.6	60	345
1675	<0.5	763	50.7	80	262
1676	<0.5	139	12.8	690	261
1677	<0.5	200	15.1	90	174
1678	<0.5	750	49.4	40	72
1679	<0.5	453	37.8	100	377
1680	<0.5	107	13.7	180	69
1681	<0.5	331	18.0	50	135
1682	<0.5	195	14.3	250	93
1683	<0.5	1030	69.2	20	150
1684	<0.5	1210	68.7	70	116
1685	<0.5	327	26.2	160	197
1686	<0.5	153	13.3	40	213
1687	<0.5	339	27.7	80	294
1688	<0.5	141	12.7	80	61
1689	<0.5	416	32.2	60	179
1690	<0.5	431	34.4	70	313
1691	<0.5	222	14.4	50	202
1692	<0.5	1460	92.6	30	335

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
1693	<0.5	781	58.9	110	189
1694	<0.5	632	45.2	350	272
1695	<0.5	105	10.0	50	187
1696	<0.5	428	30.0	30	224
1697	<0.5	174	15.1	380	151
1698	<0.5	1230	82.7	60	134
1699	<0.5	505	41.0	470	244
1700	<0.5	206	14.9	70	78
188 Y	<0.5	470	34.7	140	85
189 Y	<0.5	292	16.3	40	95
190 Y	<0.5	152	12.8	50	119
2000	<0.5	85	9.0	30	170
2001	<0.5	29	6.4	610	118
2002	<0.5	118	13.6	80	175
2003	<0.5	74	7.3	60	97
2004	<0.5	121	9.6	250	402
2005	<0.5	97	12.2	250	127
2006	<0.5	78	6.7	220	203
2007	<0.5	317	21.9	40	101
2008	<0.5	152	11.7	100	267
2009	<0.5	225	16.3	30	117
2010	<0.5	136	12.2	80	299
2011	<0.5	93	7.5	30	159
2012	<0.5	93	8.4	290	194
2013	<0.5	49	6.2	510	44
2014	<0.5	236	15.0	30	29
2015	<0.5	1040	53.0	160	51
2016	<0.5	890	45.9	70	70
2017	<0.5	26	6.5	100	46
2018	<0.5	57	8.4	100	70
2019	<0.5	87	11.4	170	105
2020	<0.5	62	11.1	220	190
2021	<0.5	79	10.5	220	91
2022	<0.5	14	4.2	100	89
2023	<0.5	6	2.7	50	99
2024	<0.5	81	12.4	180	126
2025	<0.5	200	18.7	170	114
2026	<0.5	119	10.8	110	81
2027	<0.5	38	4.8	90	98
2028	<0.5	575	44.0	170	117

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2029	<0.5	263	21.7	130	137
2030	<0.5	409	36.5	100	108
2031	<0.5	571	41.2	110	93
2032	<0.5	878	60.4	80	68

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Certificate of Analysis
Work Order : VC151810
[Report File No.: 0000012413]

Date: August 21, 2015

To: **Peter Shorts**
President
COD SGS ASSAYERS
DeCoors Mining Corp
PO Box 31734
Whitehorse
Yukon Y1A 6L3

P.O. No.: DeCoors / Hot Bath Project 1653-2032
Project No.: -
Samples: 9
Received: Jul 24, 2015
Pages: Page 1 to 8
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
9	G_LOG02	Pre-preparation processing, sorting, logging, boxing
9	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Certified By :
Cam Chiang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:
L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Member of the SGS Group (Société Générale de Surveillance)

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	10	0.1	10	0.5	2	1
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb
2033	5.2	109	<10	<0.1	130	<0.5	<2	9
2034	6.1	112	<10	<0.1	150	<0.5	<2	10
2035	3.6	148	<10	<0.1	1150	<0.5	14	2
2036	5.4	144	<10	0.1	1370	<0.5	46	4
2037	12.4	101	<10	<0.1	200	<0.5	<2	5
2038	6.5	146	<10	0.1	560	<0.5	9	5
2039	9.9	97	<10	<0.1	120	<0.5	<2	11
2040	6.9	190	<10	<0.1	640	<0.5	4	9
1410 O	1.2	99	<10	0.2	570	<0.5	47	9

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Element	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	2	1	100	0.2	10	0.5	0.2	0.2
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2033	79	8	<100	5.0	620	76.5	43.8	8.2
2034	166	40	<100	7.3	240	68.3	37.6	7.4
2035	586	8	<100	5.9	360	53.3	24.5	12.2
2036	211	7	<100	3.4	290	30.2	13.1	4.8
2037	44	8	<100	5.4	150	35.0	19.2	2.3
2038	1220	4	<100	10.5	320	123	58.1	21.9
2039	227	52	<100	7.2	510	136	71.3	12.1
2040	58	14	<100	6.4	120	19.8	9.2	2.6
1410 O	38	164	<100	4.2	9600	13.9	9.3	1.7

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Final : VC151810 Order: DeCoors / Hot Bath Project 1653-2032

Report File No.: 0000012413

Element	Fe	Ga	Gd	Hg	In	K	La	Li
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.5	1	0.1	0.5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
2033	12	7.3	44.0	<1	0.2	2.5	29	<1
2034	26	12.6	39.2	<1	0.3	6.7	56	<1
2035	11	4.8	53.9	<1	<0.1	7.8	287	<1
2036	15	2.7	28.1	<1	<0.1	6.7	87	<1
2037	17	6.4	13.9	<1	0.2	4.6	16	<1
2038	23	22.5	130	<1	0.2	8.6	491	<1
2039	16	10.6	80.5	<1	0.3	9.7	58	<1
2040	32	6.3	12.9	<1	0.2	11.6	23	<1
1410 O	136	2.9	7.4	<1	<0.1	36.6	18	<1

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Element	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	100	2	0.5	1	5	0.1	5
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb
2033	<0.5	500	<2	3.0	113	85	0.3	34
2034	1.8	600	2	8.1	135	52	0.7	36
2035	<0.5	1300	<2	2.4	298	7	1.1	59
2036	1.9	600	<2	2.6	111	10	0.4	28
2037	<0.5	200	<2	1.5	31	37	0.4	57
2038	<0.5	300	<2	3.7	700	12	0.2	44
2039	<0.5	200	<2	3.4	234	66	0.2	114
2040	1.6	700	<2	4.5	40	44	1.0	40
1410 O	4.2	11700	5	3.7	24	72	1.6	12

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Final : VC151810 Order: DeCoors / Hot Bath Project 1653-2032

Report File No.: 0000012413

Element	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	1	0.5	0.1	1	0.5	5	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2033	<1	20.2	<0.1	53	<0.5	39	31	<1
2034	<1	28.1	<0.1	90	<0.5	37	31	<1
2035	<1	72.8	<0.1	118	<0.5	32	60	<1
2036	<1	26.0	<0.1	91	<0.5	15	29	<1
2037	<1	6.2	<0.1	58	<0.5	20	10	<1
2038	<1	162	<0.1	148	<0.5	27	137	<1
2039	<1	43.8	<0.1	68	<0.5	29	61	<1
2040	<1	8.1	<0.1	133	<0.5	13	10	<1
1410 O	<1	4.8	<0.1	146	<0.5	31	7	<1

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	10	1	0.1	10	0.5	10	0.1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
2033	20	<1	10.2	60	3.1	220	0.1	11.2
2034	<10	<1	8.7	40	8.1	440	0.2	10.5
2035	130	<1	9.3	10	20.2	370	0.2	20.9
2036	220	<1	5.0	20	13.7	350	0.2	11.5
2037	<10	<1	4.2	40	5.2	130	0.2	8.1
2038	10	<1	20.9	10	20.1	220	0.3	26.1
2039	<10	<1	17.3	30	4.9	100	0.4	11.3
2040	70	<1	2.7	20	5.8	260	<0.1	6.1
1410 O	380	<1	1.7	30	9.2	300	0.4	32.8

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Element	W	Y	Yb	Zn	Zr
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.5	1	0.2	10	2
Units	ppb	ppb	ppb	ppb	ppb
2033	<0.5	402	31.6	100	75
2034	0.6	341	29.6	70	157
2035	<0.5	262	17.8	40	263
2036	<0.5	111	8.9	40	318
2037	<0.5	150	14.5	30	118
2038	<0.5	606	40.8	160	450
2039	0.5	696	55.7	220	126
2040	<0.5	75	6.4	270	140
1410 O	<0.5	85	7.2	80	138

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ICP Certificates

SGS

Certificate of Analysis

Work Order : VC142270A

[Report File No.: 0000008276]

To: **Peter Shorts**
GEOTRONICS CONSULTING INC.
6204-125th ST
SURREY BC V3X 2E1

Date: Aug 14, 2014

P.O. No.	:	HOT BATH 13 samples
Project No.	:	-
No. Of Samples	:	13
Date Submitted	:	Aug 05, 2014
Report Comprises	:	Pages 1 to 6 (Inclusive of Cover Sheet)

Distribution of unused material:
Active files:

Certified By : _____
Cam Chilang
Assistant Operations Manager

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC142270A Order: HOT BATH 13 samples

Report File No.: 0000008276

Element	WtKg	Ag@	Al@	As@	Ba@	Be@	Bi@	Ca@
Method	G_WGH79	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	2	0.01	3	5	0.5	5	0.01
Units	kg	ppm	%	ppm	ppm	ppm	ppm	%
L - 6800E 8550E	0.749	<2	2.80	6	68	1.3	<5	0.47
L - 6800E 8600E	0.588	<2	2.57	9	48	0.8	<5	0.20
L - 6800E 8650E	0.612	<2	2.75	5	115	1.1	<5	0.46
L - 6800E 8700E	0.944	<2	3.78	14	151	1.4	<5	0.57
L - 6800E 8750E	0.513	<2	3.50	8	99	1.0	<5	0.44
L - 6800E 7300E	0.694	<2	3.37	11	137	0.8	<5	1.89
L - 6800E 7350E	0.998	<2	2.62	12	123	0.7	<5	1.31
L - 6800E 7750E	1.087	<2	4.18	12	250	1.3	<5	1.29
L - 6800E 7800E	0.736	<2	2.85	13	134	2.1	<5	0.35
L - 6800E 7950E	0.863	<2	3.05	10	176	1.1	<5	0.63
L - 6800E 8000E	0.899	<2	3.08	10	149	1.1	<5	0.77
L - 6800E 8200E	0.777	<2	2.36	10	136	0.7	<5	0.14
L - 6800E 8300E	0.839	<2	3.12	10	88	0.8	<5	0.84

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Final : VC142270A Order: HOT BATH 13 samples

Report File No.: 0000008276

Element	Cd@	Co@	Cr@	Cu@	Fe@	Hg@	K@	La@
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	1	1	0.5	0.01	1	0.01	0.5
Units	ppm	ppm	ppm	ppm	%	ppm	%	ppm
L - 6800E 8550E	2	14	23	79.1	4.72	<1	0.04	16.0
L - 6800E 8600E	2	14	25	43.0	5.79	<1	0.04	16.2
L - 6800E 8650E	2	15	16	99.5	4.36	<1	0.05	12.7
L - 6800E 8700E	3	22	31	70.4	5.71	<1	0.06	13.8
L - 6800E 8750E	2	17	13	94.9	5.12	<1	0.05	10.8
L - 6800E 7300E	2	25	31	245	4.84	<1	0.08	16.0
L - 6800E 7350E	3	24	31	148	6.67	<1	0.07	17.9
L - 6800E 7750E	3	46	84	323	6.10	<1	0.14	17.6
L - 6800E 7800E	3	69	23	88.9	5.83	<1	0.08	28.4
L - 6800E 7950E	2	17	19	81.7	4.25	<1	0.09	15.2
L - 6800E 8000E	2	16	16	105	4.28	<1	0.08	14.4
L - 6800E 8200E	2	16	40	73.6	4.60	<1	0.08	12.0
L - 6800E 8300E	2	28	27	146	4.82	<1	0.07	13.7

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Final : VC142270A Order: HOT BATH 13 samples

Report File No.: 0000008276

Element	Li@	Mg@	Mn@	Mo@	Na@	Ni@	P@	Pb@
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	0.01	2	1	0.01	1	0.01	2
Units	ppm	%	ppm	ppm	%	ppm	%	ppm
L - 6800E 8550E	10	0.63	529	5	0.02	17	0.09	9
L - 6800E 8600E	7	0.48	525	4	0.02	12	0.07	12
L - 6800E 8650E	11	0.75	763	4	0.02	14	0.10	5
L - 6800E 8700E	15	0.98	810	3	0.03	32	0.09	9
L - 6800E 8750E	11	0.89	850	1	0.02	13	0.11	4
L - 6800E 7300E	14	1.27	1490	<1	0.01	23	0.14	6
L - 6800E 7350E	13	1.03	1220	1	0.02	26	0.16	7
L - 6800E 7750E	17	2.09	1550	1	0.02	47	0.12	8
L - 6800E 7800E	13	0.74	1260	6	0.02	25	0.10	11
L - 6800E 7950E	16	1.01	943	<1	0.02	22	0.10	6
L - 6800E 8000E	14	0.91	776	<1	0.02	16	0.11	4
L - 6800E 8200E	17	0.97	718	2	0.02	42	0.06	7
L - 6800E 8300E	10	1.12	753	2	0.04	36	0.11	5

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Final : VC142270A Order: HOT BATH 13 samples

Report File No.: 0000008276

Element	S@	Sb@	Sc@	Sn@	Sr@	Ti@	V@	W@
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	5	0.5	10	5	0.01	1	10
Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm
L - 6800E 8550E	0.09	<5	3.1	<10	64	0.16	113	<10
L - 6800E 8600E	0.05	<5	3.1	<10	43	0.28	129	<10
L - 6800E 8650E	0.08	<5	3.5	<10	87	0.12	117	<10
L - 6800E 8700E	0.03	<5	5.3	<10	92	0.20	125	<10
L - 6800E 8750E	0.05	<5	5.0	<10	78	0.11	133	<10
L - 6800E 7300E	0.01	<5	8.9	<10	190	0.05	116	<10
L - 6800E 7350E	0.02	<5	7.9	<10	159	0.11	218	<10
L - 6800E 7750E	0.04	<5	9.1	<10	347	0.26	177	<10
L - 6800E 7800E	0.08	<5	2.8	<10	48	0.15	66	<10
L - 6800E 7950E	0.02	<5	4.6	<10	84	0.13	92	<10
L - 6800E 8000E	0.03	<5	4.0	<10	95	0.12	95	<10
L - 6800E 8200E	0.04	<5	3.5	<10	25	0.11	85	<10
L - 6800E 8300E	0.04	<5	5.4	<10	120	0.18	117	<10

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Final : VC142270A Order: HOT BATH 13 samples

Report File No.: 0000008276

Element	Y@	Zn@	Zr@
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.5	1	0.5
Units	ppm	ppm	ppm
L - 6800E 8550E	10.3	68	10.9
L - 6800E 8600E	5.4	64	16.5
L - 6800E 8650E	9.9	79	4.6
L - 6800E 8700E	8.2	108	14.0
L - 6800E 8750E	7.0	72	3.3
L - 6800E 7300E	17.9	82	4.6
L - 6800E 7350E	18.0	80	6.8
L - 6800E 7750E	14.3	96	7.0
L - 6800E 7800E	16.7	74	9.2
L - 6800E 7950E	10.3	62	10.0
L - 6800E 8000E	9.1	51	6.2
L - 6800E 8200E	5.9	62	2.2
L - 6800E 8300E	9.3	76	8.6

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BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Geological Solutions**
PO Box 31734
Whitehorse YT Y1A 6L3 CANADA

Submitted By: John Buckle
Receiving Lab: Canada-Smithers
Received: August 14, 2015
Report Date: October 08, 2015
Page: 1 of 2

CERTIFICATE OF ANALYSIS SMI15000059.2

CLIENT JOB INFORMATION

Project: Hot Bath
Shipment ID: HB150807
P.O. Number
Number of Samples: 4

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	4	Crush, split and pulverize 250 g rock to 200 mesh			SMI
AQ201	4	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	4	Per sample shipping charges for branch shipments			SMI
AQ374-X	1	1:1:1 Aqua Regia digestion ICP-ES analysis	0.4	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : AQ374-Cu included.

Invoice To: DeCoors Mining Corp.
PO Box 31734
Whitehorse YT Y1A 6L3
CANADA

CC: Peter Shorts

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Geological Solutions**
PO Box 31734
Whitehorse YT Y1A 6L3 CANADA

Project: Hot Bath
Report Date: October 08, 2015

Page: 2 of 2 Part: 1 of 2

CERTIFICATE OF ANALYSIS SMI15000059.2

Method		WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
2507	Rock	2.73	0.8	31.7	3.2	16	<0.1	3.1	1.8	165	1.87	1.6	2.0	6.8	26	<0.1	<0.1	<0.1	42	0.12	0.069
2508	Rock	4.31	2.8	1.4	2.8	2	<0.1	0.5	0.9	49	0.99	<0.5	<0.5	6.6	27	<0.1	<0.1	<0.1	8	0.02	0.022
2509	Rock	6.56	4.9	16.5	2.3	3	<0.1	0.4	0.8	34	2.04	0.6	2.5	5.7	43	<0.1	<0.1	<0.1	15	0.02	0.040
2510	Rock	4.34	1.4	>10000	1.8	25	2.9	4.7	15.1	281	7.30	<0.5	28.4	5.7	8	0.1	<0.1	2.0	33	0.09	0.060

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

BUREAU VERITAS MINERAL LABORATORIES Canada

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.bureauveritas.com/um

Client: **Geological Solutions**
PO Box 31734
Whitehorse YT Y1A 6L3 CANADA

Project: Hot Bath
Report Date: October 08, 2015

Page: 2 of 2 Part: 2 of 2

CERTIFICATE OF ANALYSIS SMI15000059.2

Method		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ374
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
2507	Rock	12	11	0.46	134	0.075	4	0.87	0.095	0.31	<0.1	<0.01	3.3	<0.1	0.06	4	<0.5	<0.2	
2508	Rock	9	2	0.27	86	0.003	2	0.58	0.072	0.20	<0.1	<0.01	0.8	<0.1	0.26	2	<0.5	<0.2	
2509	Rock	12	2	0.18	104	0.011	2	0.55	0.087	0.25	<0.1	<0.01	1.3	<0.1	0.46	3	0.8	<0.2	
2510	Rock	6	12	0.64	28	0.032	<1	0.86	0.065	0.14	<0.1	0.01	1.4	<0.1	3.79	4	18.2	0.4	3.391

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Geological Solutions**
PO Box 31734
Whitehorse YT Y1A 6L3 CANADA

Project: Hot Bath
Report Date: October 08, 2015

Page: 1 of 1 Part: 1 of 2

QUALITY CONTROL REPORT SMI15000059.2

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
2510	Rock	4.34	1.4	>10000	1.8	25	2.9	4.7	15.1	281	7.30	<0.5	28.4	5.7	8	0.1	<0.1	2.0	33	0.09	0.060
REP 2510	QC																				
Reference Materials																					
STD DS10	Standard		15.2	153.3	151.4	357	1.8	75.3	12.6	888	2.71	42.5	77.2	7.2	65	2.5	8.7	11.8	41	1.06	0.072
STD GC-7	Standard																				
STD OREAS133B	Standard																				
STD OXC129	Standard		1.2	26.2	5.3	40	<0.1	77.1	19.5	421	3.01	0.8	170.7	1.7	179	<0.1	<0.1	<0.1	50	0.65	0.094
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
STD GC-7 Expected																					
STD OREAS133B Expected																					
BLK	Blank		<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank																				
Prep Wash																					
ROCK-SMI	Prep Blank		0.5	3.2	1.3	35	<0.1	1.0	3.5	491	1.77	0.5	0.7	2.0	25	<0.1	<0.1	<0.1	23	0.61	0.041

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Client: **Geological Solutions**
PO Box 31734
Whitehorse YT Y1A 6L3 CANADA

Project: Hot Bath
Report Date: October 08, 2015

Page: 1 of 1 Part: 2 of 2

QUALITY CONTROL REPORT SMI15000059.2

Method		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ374
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
Pulp Duplicates																			
2510	Rock	6	12	0.64	28	0.032	<1	0.86	0.065	0.14	<0.1	0.01	1.4	<0.1	3.79	4	18.2	0.4	3.391
REP 2510	QC																		3.340
Reference Materials																			
STD DS10	Standard	17	56	0.77	342	0.077	7	1.04	0.069	0.34	3.3	0.28	2.8	4.9	0.27	4	2.4	4.7	
STD GC-7	Standard																		0.561
STD OREAS133B	Standard																		0.032
STD OXC129	Standard	11	53	1.54	45	0.393	1	1.55	0.596	0.37	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2	
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01	
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6			
STD GC-7 Expected																			0.555
STD OREAS133B Expected																			0.032
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																		<0.001
Prep Wash																			
ROCK-SMI	Prep Blank	6	3	0.45	70	0.084	2	1.05	0.145	0.16	0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2	

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MMI Data Table

TABLE 8 MMI DATA TABLE

Sample_	Type	easting	northing	Date	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	z	Zn	Zr
1281	B	466410	6449170	2015.931507	7.2	270	0	0.1	3170	0	9	8	390	15	0	8.4	660	40	16.7	11.2	37	6.6	49.5	0	0.3	2.7	149	1	1.6	1500	0	10.2	209	37	4.3	182	0	50.6	0	121	0	36	53	0	50	0	7.5	0	32.8	1810	0.6	17.1	0	158	11.6	1752	80	470
1282	B	466390	6449155	2015.931507	3.3	226	0	0	3520	0	10	8	357	14	0	7.3	210	70.4	31	11.1	24	3.4	62.5	0	0.3	13.3	146	0	3.1	1900	0	3.6	240	49	1.6	185	0	49.5	0	217	0	27	56	0	110	0	11.9	0	18.9	380	0.8	18.5	0	310	18.8	1758	100	377
1283	B	466366	6449144	2015.931507	2.6	223	0	0	2720	0	42	15	71	24	0	3.1	70	20.7	9.2	4.4	48	13.2	18.5	1	0.2	13.9	30	2	12.6	1800	2	4.5	47	14	7	212	0	10.4	0	112	0	19	14	0	580	0	3.1	0	15.3	700	0.3	12.1	0	81	7.6	1762	800	133
1284	B	466341	6449137	2015.931507	3.5	282	0	0	1980	0	9	8	257	13	0	6.4	200	45.1	18.1	10.7	27	4.3	47.8	0	0.2	4.8	107	0	2.3	1000	0	4.1	166	110	4.8	122	0	35.9	0	157	0	24	44	0	120	0	7.9	0	24.4	620	0.7	17.7	0	165	12.2	1765	180	212
1285	B	466316	6449129	2015.931507	3.1	241	0	0	3680	0	30	4	1050	17	0	5.9	240	130	57.5	22.5	22	3.4	128	0	0.2	8.6	601	0	6.7	1900	0	2.1	565	99	4.8	246	0	142	0	137	0	47	123	0	340	0	22.3	0	47.1	270	0.3	29.6	0	653	42	1770	80	383
1286	B	466291	6449121	2015.931507	2.6	250	0	0	890	0	19	2	257	15	0	4.5	50	72.5	33.2	14.5	24	2.7	72.8	0	0.2	6.7	90	0	8.9	600	0	1.2	193	123	3.1	73	0	39.9	0	202	0	33	59	0	190	0	12	0	15.6	260	0	13.4	0	318	23.9	1774	40	112
1287	B	466267	6449111	2015.931507	3.9	258	0	0	600	0	19	7	90	14	0	3.8	90	19.9	10.6	4.7	44	24	19.8	2	0.2	8.7	41	2	3.9	2000	2	7.5	60	89	12.7	92	0	13.2	0	150	0	17	17	0	260	0	3.2	0	26.1	690	0.3	10.9	0	84	7.8	1780	190	149
1288	B	466242	6449109	2015.931507	2.3	307	0	0	1020	0	0	10	66	9	0	3.9	50	10	6.1	2.2	48	15.6	9.4	1	0.2	5.2	26	0	1.1	400	3	6.6	28	68	11.4	106	0	7.1	0	101	0	14	8	0	40	0	1.4	0	23.9	920	0.3	10.2	0	39	5.3	1782	620	221
1289	B	466217	6449110	2015.931507	3.6	232	0	0	3530	0	21	2	642	9	0	3.9	90	105	48.3	32.1	18	2.1	135	0	0.2	8.7	274	0	2.9	2900	0	2.2	506	32	3.2	90	0	115	0	97	0	44	138	0	300	0	19.1	0	36.4	460	0.3	39	0	484	34.6	1787	60	189
1290	B	466192	6449106	2015.931507	1.7	232	0	0	1150	0	3	3	47	6	0	4.1	30	17	9.5	3.2	44	4	12.8	0	0.2	4.1	18	0	1.1	100	0	1.3	36	100	4.6	152	0	7.5	0	136	0	14	10	0	70	0	2.3	0	12.5	300	0.3	6.8	0	76	8	1791	80	67
1291	B	466173	6449088	2015.931507	2	258	0	0	3910	0	34	4	272	6	0	2.4	100	29.5	11.7	8	16	2.8	30.8	0	0.1	11.7	123	0	11.7	1100	0	1.1	121	56	2.3	190	0	32.2	0	168	0	16	28	0	1090	0	4.6	0	16.4	320	0	8.2	0	125	9.9	1789	40	79
1292	B	466157	6449069	2015.931507	2.3	177	0	0	730	0	8	16	54	7	0	3.8	50	26	15	3.4	35	18	17.8	1	0.2	8.9	22	0	1.7	1000	0	4.5	39	86	3	129	0	8.4	0	86	0	13	12	0	200	0	3.4	0	11.6	470	0.1	8.4	0	123	13	1788	80	84
1293	B	466143	6449048	2015.931507	4.6	224	0	0	1310	0	10	5	161	7	0	3.7	100	44.7	20.9	8.3	23	6.3	43	0	0.2	4.9	64	0	3.2	300	0	3.6	112	76	2.1	161	0	25.8	0	117	0	24	33	0	200	0	7.2	0	15.7	520	0.3	23.8	0	188	16.3	1783	80	117
1294	B	466127	6449021	2015.931507	2.3	291	0	0	3340	0	18	7	108	22	0	3.6	80	23.9	12.6	5	47	13.8	22	2	0.2	18.8	46	2	4.2	2200	2	5.1	60	155	13.5	94	0	13.6	0	100	0	25	18	0	640	0	3.8	0	36.1	800	0.2	20.8	0	105	9.9	1778	220	160
1295	B	466117	6448998	2015.931507	4.5	249	0	0	4940	0	8	4	345	7	0	4.5	400	48.6	19.1	15	34	5.4	54.6	0	0.2	6	149	0	1.3	700	0	7.8	200	19	3.2	89	0	48.6	0	138	0	37	54	0	120	0	8	0	38.9	1460	0.6	36.9	0	163	16.2	1771	60	364
1296	B	466096	6448983	2015.931507	3.3	274	0	0	7050	0	14	5	142	5	0	2.2	100	24.4	11.3	7.3	29	7.6	25.5	0	0.1	2.2	52	0	1.9	500	0	3.4	82	52	8.3	96	0	18.7	0	63	0	21	25	0	110	0	4.1	0	15.6	450	0.1	9	0	97	8.9	1770	150	173
1297	B	466075	6448969	2015.931507	2.5	228	0	0	3140	0	23	4	116	8	0	3.7	240	33.7	14.9	7.3	31	7.2	34.3	0	0.2	15.9	39	0	4	2500	0	3.8	78	95	3.2	88	0	17.5	0	105	0	17	27	0	150	0	5.3	0	14.3	550	0.2	12.7	0	123	11.6	1775	140	223
1298	B	466054	6448952	2015.931507	5.3	201	0	0	2520	0	108	3	118	12	0	2.7	1720	33.5	18.4	8	53	9.7	32.8	0	0.2	17.1	44	1	9	2200	0	8.1	80	89	8.3	29	0	17	0	85	0	46	25	0	810	0	5.2	0	22.4	1600	0	18	0	148	16.8	1778	80	300
1299	B	466032	6448938	2015.931507	30.1	152	0	0.8	3950	0	1260	7	22	21	0	1.8	6160	16.8	15	3.6	39	16.9	12.2	0	<0.1	28.6	13	5	50.7	1300	0	5.9	18	85	0.4	23	0	3.6	0	33	0	76	7	0	10700	0	2.2	10	7.4	1350	0.1	30.4	0	109	14.3	1782	200	67
1300	B	466012	6448925	2015.931507	3	168	0	0	1570	0	200	5	323	11	0	3.1	830	45.9	24.2	11.3	23	8.2	51.8	0	<0.1	16	158	0	6.6	2100	3	10.9	198	36	5.1	53	0	46.8	0.2	78	0	39	51	0	1020	0	8.1	0	49.2	600	0.2	42.7	0	210	21.5	1795	100	872
1301	B	465991	6448911	2015.931507	8.7	174	0	0.1	3780	0	327	4	150	7	0	2.3	850	37.4	19.2	8.6	22	3.5	35.4	0	<0.1	8.2	94	0	21.3	1100	0	3.6	101	53	1.3	31	0	24.5	0	45	0	31	28	0	3570	0	5.7	0	14.1	650	0	22.6	0	196	14.7	1806	700	164
1302	B	465971	6448895	2015.931507	7.1	173	0	0	1180	0	145	2	153	3	0	2.9	880	35.8	17.2	8.2	19	3.3	36.8	0	<0.1	19.3	98	0	10.6	500	0	5.3	115	32	1.3	47	0	27	0	70	0	15	28	0	1060	0	5.6	0	21.2	340	0	34.3	0	153	13.5	1818	400	245
1303	B	465947	6448885	2015.931507	4.7	237	0	0	2780	0	87	7	160	9	0	1.9	1670	37.3	18.6	8.8	20	3	38.2	0	0.1	13.4	70	0	20.9	2500	0	0.9	103	124	3.2	59	0	23.7	0	53	0	19	30	0	1300	0	6	0	19.6	300	0	37.2	0	172	15.3	1828	340	83
1304	B	465923	6448874	2015.931507	16.1	251	0	0.4	3620	0	163	3	173	34	0	1.9	2320	29.3	14.5	6.7	16	1.2	27.1	0	<0.1	16.6	88	0	27.2	5900	0	0.9	95	45	0.7	63	0	21.9	0	59	0	17	23	0	2500	0	4.6	0	14.6	250	0	29.5	0	164	9.8	1840	500	66
1305	B	465901	6448855	2015.931507	2.1	235	0	0	1740	0	169	6	153	13	0	1.4	200	48.2	26.1	11.1	28	6.3	45.5	0	0.1	11.7	72	0	21.4	1600	0	0.5	126	99	2.7	55	0	27.3	0	42	0	21	37	0	1570	0	7.4	0	17	250	0	41.6	0	258	21.9	1850	280	39
1306	B	465880	6448842	2015.931507	7.1	90	0	0.1	1440	0	1160	3	37	9	0	0.5	840	26.6	18.5	9.4	11	<0.5	32.6	0	<0.1	30	37	0	12.3	2700	0	<0.5	65	110	<0.1	20	0	12.7	0	14	0	6	21	0	9380	0	4.2	0	16.2	0	0	15.9	0	161	16.2	1858	110	12
1307	B	465855	6448831	2015.931507	4.2	96	0	0.1	2130	0	793	2	65	3	0	0.6	2070	14.7	8	4.7	7	<0.5	18.2	0	<0.1	23.3	37	0	11.5	300	0	<0.5	48	62	0.2	26	0	10.1	0	16	0	<5	14	0	12600	0	2.5	0	14.9	0	0	49.6	0	96	5.7	1872	200	9
1308	B	465838	6448812	2015.931507	5.2	167	0	0.5	3910	0	449	4	301	7	0	1.9	740	38.3	24.6	10.5	15	4.5	48.1	0	<0.1	54.8	23	9	86.8	1900	0	<0.5	181	97	1.1	35	0	46.5	0	52	0	27	39	0	9200	0	6.7	0	27.6	240	0	51.8	0	310	18.5	1882	140	40
1309	B	465816	6448798	2015.931507	3.2	227	0	0	3900	0	118	4	142	9	0	1.5	790	26	11.2	5.4	19	1.3	20.8	0	<0.1	10.7	96	0	41.3	600	0	<0.5	80	102	2.3	51	0	18.5	0	34	0	10	17	0	2660	0	3.7	0	12.1	120	0.2	13.7	0	126	8.2	1891	180	37
1310	B	465795	6448784	2015.931507	13.3	145	0	0.2	3760	0	162	3	240	3	0	2.1	1440	68.2	32.9	16	18	1.3	69.3	0	<0.1	4.3	145	0	26.5	400	0	<0.5	206	14	<0.1	21	0	10.8	0	67	0	39	53	0	2570	0	10.8	0	11.3	150	0.2	21.4	0	374	23.7	1899	200	124
1311	B	465794	6448755	2015.931507	8.2	224	0	0.1	3760	0	14	6	212	49	0	5	1100	90.1	48.1	15.3	39	2.3	76.8	0	<0.1	7	81	0	3.4	11500	0	2.6	175	45	1	53	0	36.8	0	212	0	46	58	0	300	0	13.8	0	17.3	650	0.6	35.6	0	480	31.8	1899	120	221
1312	B	465793	6448724	2015.931507	16.9	158	0	0.2	4980	0	65	3	467	10	0	4.2	1490	256	136	59.7	21	3.4	287	0	0.1	4.1	279	0	6.8	1200	0	1.7	698	178	0.5	78	0	14.1	0	195	0	104	214	0	1040	0	40.6	0	16.3	490	0.8	46.2	0	1300	109	1896	140	243
1313	B	465793	6448702	2015.931507	17.8	137	0	0.2	3640	0	127	8	536	9	0	3.1	990	177	98.6	51.2	30	6.5	250	0	0.1	4.9	285	0	5.2	700	0	6.4	661	17	0.8	45	0	14.3	0	169	0	102	203	0	1180	0	30.4	0	12.5	140	0.3	28.2	0	971	77.8	1896	260	338
1314	B	465791	6448681	2015.931507	26.7	117	0	0.3	3130	0	83	9	630	6	0	5.3	1140	200	106	49.2	26	10.6	248	0	0.1	7.1	342	0	2.9	500	0	5.5	761	15	0.9	77	0	16	0.2	211	0	123	219	0	810	0	33.1	0	16.2	880	0.3	39.9	0	1030	88.9	1895	370	372
1315	B	465795	6448654	2015.931507	10.3	27	0	0.3	3050	0	597	3	97	4	0	0.4	1440	31.9	17	7.6	9	1.6	39.1	0	<0.1	26.8	21	0	12.5	400	0	1.2	69	44	0.2	<5	0	11.1	0	37	0	12	24	0	11300	1	5.2	20	3.6	0	0	23.5	0	179	11.4	1896	680	35
1316	B	465768	6448791	2015.931507	9.9	201	0	0.1	9480	0	119	3	692	5	0	3.6	810	106	47.6	32.2	17	2	126	0	0.1	10.4	376	0	10.2	700	0	2.2	477	41	0.8	56	0	11.0	0	107	0	39	115	0	1400	0	18	10	15.1	370	0.5	40.2	0	590	33.9	1899	700	135

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L1	0.2	0.815	2.561	1.491	2.118	0.47	1.167	0.534	0.975	1.436	-0.366	-0.407	0.735	-2.424	-1.194	-1.47	0.004	-0.399	-1.076	-2.199	-1.337	0.0717	0.188092921	6	1	175	200	381.1945694	1.438	100	0	25		0	2.889	466824	466824	100	6447427.276	-87.5
L1	0.2	3.387	4.391	2.315	2.954	-0.124	0.418	2.171	-0.222	1.258	0.353	3.544	3.607	2.364	4.167	2.441	4.688	2.404	1.606	2.192	5.223	2.45685	5.418301039	7	1	200	225	453.4354925	-24.892	112.5	0	25		0	2.291	466822.125	466822.125	112.5	6447429.106	-100
L1	0.2	4.984	8.068	3.588	6.566	3.571	3.135	2.603	3.645	5.645	0.888	1.912	0.11	-1.526	0.382	-0.908	0.029	-2.708	-5.004	-3.948	-4.065	1.34835	2.165673302	8	1	225	250	622.6008321	-30.06	125	0	25		0	2.202	466820.25	466820.25	125	6447430.937	-112.5
L1	0.2	0.984	7.146	5.152	8.177	2.867	1.894	2.239	3.582	3.332	0.912	1.553	1.091	-1.412	-1.65	-2.537	-1.737	-2.99	-4.998	-3.85	-2.688	0.85335	1.082341129	9	1	250	275	788.4298003	53.686	137.5	0	25		0	2.028	466818.375	466818.375	137.5	6447432.768	-125
L1	0.2	-4.958	0.764	-0.764	0.862	-0.036	2.321	0.645	4.401	3.792	4.476	4.291	3.925	-0.25	1.319	-2.636	-6.93	-5.526	-12.7	-15.527	-12.622	-1.75765	-3.400974873	10	1	275	300	516.8076995	9.055	150	0	25		0	0.997	466816.5	466816.5	150	6447434.598	-137.5
L1	0.2	1.341	1.042	0.859	0.694	0.606	0.535	0.461	0.407	0.366	0.309	0.295	0.255	0.253	0.209	0.167	0.135	0.153	0.117	0.139	0.123	0.4233	1.16180206	1	1	75	100	364.3477788	122.287	62.5	25	50		0	154.634	466814.625	466814.625	62.5	6447436.429	-25
L1	0.2	0.739	0.707	0.887	0.713	0.665	0.663	0.529	0.609	0.353	0.768	0.644	0.523	0.841	0.735	0.73	0.905	0.616	0.658	0.415	0.599	0.66495	3.425254213	2	1	100	125	194.1315764	-100.502	75	25	50		0	20.598	466812.75	466812.75	75	6447438.26	-37.5
L1	0.2	5.325	4.624	4.203	3.368	2.347	2.664	1.645	2.296	2.106	2.618	2.125	1.613	2.796	1.45	0.958	1.135	1.127	1.075	0.905	1.354	2.2867	16.1508674	3	1	125	150	141.5837269	-73.447	87.5	25	50		0	6.009	466810.875	466810.875	87.5	6447440.091	-50
L1	0.2	4.948	5.309	5.066	4.194	3.723	3.44	1.632	2.82	1.66	2.695	3.633	2.252	3.365	2.419	2.16	3.152	2.35	3.289	0.84	2.384	3.06655	21.68417597	4	1	150	175	141.4187933	22.9	100	25	50		0	3.001	466809	466809	100	6447441.921	-62.5
L1	0.2	3.948	3.545	2.423	0.093	3.216	2.542	0.857	1.047	1.243	3.444	1.677	0.131	3.106	2.011	0.903	-0.222	0.47	-0.28	0.343	2.041	1.6269	8.090185286	5	1	175	200	201.0540758	4.246	112.5	25	50		0	2.438	466807.125	466807.125	112.5	6447443.752	-75
L1	0.2	12.377	10.766	5.552	4.911	2.258	1.167	2.332	4.067	2.906	6.225	3.934	4.827	6.349	3.535	3.598	3.317	1.765	0.091	2.596	1.482	4.20275	17.24517073	6	1	200	225	243.7059085	-22.657	125	25	50		0	1.847	466805.25	466805.25	125	6447445.583	-87.5
L1	0.2	-2.365	0.813	0.672	-2.063	2.447	4.428	1.991	3.539	3.42	5.151	-1.104	-1.273	4.855	5.408	2.366	2.008	2.578	2.508	-2.151	3.121	1.81745	5.301810025	7	1	225	250	342.798024	-31.221	137.5	25	50		0	1.732	466803.375	466803.375	137.5	6447447.413	-100
L1	0.2	1.042	1.493	1.267	1.195	4.597	5.803	-0.046	4.444	1.289	7.155	7.436	3.389	8.778	5.578	4.947	3.237	4.23	0.28	-1.797	2.847	3.3582	7.550669349	8	1	250	275	444.755272	60.195	150	25	50		0	1.573	466801.5	466801.5	150	6447449.244	-112.5
L1	0.2	7.356	10.221	8.421	3.735	-1.794	-3.279	-0.446	8.051	-3.326	8.116	0.543	-1.283	5.895	-2.278	-4.076	7.183	4.6	-0.204	-1.818	1.67	2.36435	7.991568557	9	1	275	300	295.8555612	3.987	162.5	25	50		0	0.761	466799.625	466799.625	162.5	6447451.075	-125
L1	0.2	-6.312	5.499	0.592	-6.426	-2.96	7.147	0.729	2.299	-0.106	9.906	6.647	4.833	18.513	6.709	9.328	-0.193	-3.678	-2.844	0.073	2.345	2.60505	9.341141929	10	1	300	325	278.8791799	39.626	175	25	50		0	0.538	466797.75	466797.75	175	6447452.906	-137.5
L1	0.2	2.231	1.869	1.642	1.431	1.334	1.215	1.121	1.016	0.967	0.865	0.812	0.779	0.702	0.676	0.665	0.615	0.595	0.54	0.583	0.517	1.00875	1.388660459	11	1	100	125	726.4194737	-79.944	87.5	50	75		0	308.302	466795.875	466795.875	87.5	6447454.736	-25
L1	0.2	7.768	6.98	6.2	5.567	4.948	4.508	4.179	3.853	3.482	3.276	3.099	2.873	2.755	2.689	2.404	2.413	2.246	2.228	2.097	1.972	3.77685	6.63734317	2	1	125	150	569.0303942	-76.023	100	50	75		0	60.376	466794	466794	100	6447456.567	-37.5
L1	0.2	7.138	6.215	5.583	4.992	4.671	4.33	3.974	3.528	3.35	3.109	3.056	2.884	2.521	2.622	2.358	2.192	2.057	2.093	2.054	1.827	3.5277	5.639817609	3	1	150	175	625.4989513	22.899	112.5	50	75		0	26.547	466792.125	466792.125	112.5	6447458.398	-50
L1	0.2	6.11	5.264	4.968	4.148	3.994	3.335	3.134	3.037	2.961	2.384	2.344	2.129	1.749	2.044	1.693	1.8	1.649	1.641	1.512	1.41	2.8653	3.026407569	4	1	175	200	946.76607	0.389	125	50	75		0	20.091	466790.25	466790.25	125	6447460.228	-62.5
L1	0.2	8.365	7.394	6.55	5.478	5.317	4.817	4.335	3.554	3.614	3.414	3.117	2.964	2.354	2.767	2.474	2.589	2.313	2.288	1.909	1.783	3.8698	3.261663069	5	1	200	225	1186.449955	-14.89	137.5	50	75		0	14.387	466788.375	466788.375	137.5	6447462.059	-75
L1	0.2	6.326	5.813	5.642	4.659	4.499	3.991	3.007	2.502	3.172	2.613	2.121	2.239	1.496	2.003	1.46	1.863	1.534	1.292	1.571	1.059	2.9431	1.690683418	6	1	225	250	1740.775339	-30.976	150	50	75		0	13.193	466786.5	466786.5	150	6447463.89	-87.5
L1	0.2	7.036	5.61	5.265	4.079	3.759	3.738	2.968	2.615	3.068	1.856	1.941	1.868	0.813	2.006	1.137	0.941	1.031	1.149	2.168	1.082	2.7065	1.165788044	7	1	250	275	2321.605555	55.375	162.5	50	75		0	11.73	466784.625	466784.625	162.5	6447465.72	-100
L1	0.2	7.25	6.97	5.759	4.42	4.031	3.235	2.984	2.606	3.872	2.453	1.832	1.977	0.642	1.815	1.182	1.77	0.815	1.264	1.689	1.006	2.8786	1.829463589	8	1	275	300	1573.466681	8.53	175	50	75		0	5.565	466782.75	466782.75	175	6447467.551	-112.5
L1	0.2	10.654	8.367	8.111	6.485	5.476	6.227	4.381	3.484	5.162	3.821	2.672	3.382	0.861	3.566	0.798	1.504	1.124	0.231	3.072	0.286	3.9832	2.60436996	9	1	300	325	1529.429406	33.806	187.5	50	75		0	3.934	466780.875	466780.875	187.5	6447469.382	-125
L1	0.2	4.614	-0.028	2.709	8.415	-2.42	-1.195	-1.95	-0.679	1.639	-1.334	-1.587	-1.204	-2.354	-2.741	-4.993	-4.5	2.764	2.221	-3.342	-4.858	-0.54115	-0.222308341	10	1	325	350	2434.231652	39.877	200	50	75		0	4.696	466779	466779	200	6447471.213	-137.5
L1	0.05	4.945	4.406	3.755	3.42	3.137	2.697	2.506	2.446	2.165	2.086	1.912	1.762	1.672	1.566	1.303	1.419	1.195	1.282	1.259	1.146	2.30395	7.314463584	1	1	125	150	314.9855042	-81.617	112.5	75	100		0	33.421	466777.125	466777.125	112.5	6447473.043	-25
L1	0.05	4.882	4.95	4.215	4.327	3.969	3.092	2.915	2.397	2.268	2.316	1.721	1.653	1.781	1.632	1.68	2.222	1.311	1.853	1.806	1.049	2.60195	8.928702117	2	1	150	175	291.4141345	21.943	125	75	100		0	7.73	466775.25	466775.25	125	6447474.874	-37.5
L1	0.05	3.303	4.353	3.691	3.604	4.087	2.293	1.573	1.963	1.246	1.032	0.563	0.49	1.674	0.413	0	1.963	-0.426	1.314	0.722	0.315	1.70865	4.282858391	3	1	175	200	398.9508511	-2.596	137.5	75	100		0	4.233	466773.375	466773.375	137.5	6447476.705	-50
L1	0.05	4.355	5.887	5.512	5.706	4.665	3.38	2.905	3.085	1.575	2.959	2.352	0.957	2.08	-0.171	-1.176	2.113	-0.861	1.714	1.95	0.767	2.4877	5.334542602	4	1	200	225	466.3380135	-7.334	150	75	100		0	2.474	466771.5	466771.5	150	6447478.535	-62.5
L1	0.05	3.862	7.137	5.661	5.699	5.971	4.761	3.16	4.45	1.858	1.708	0.481	-0.663	3.172	0.205	-2.555	1.816	-2.891	1.593	2.032	-0.67	2.33935	3.454355912	5	1	225	250	677.2174204	-24.756	162.5	75	100		0	2.053	466769.625	466769.625	162.5	6447480.366	-75
L1	0.05	3.111	8.45	4.094	6.319	6.312	3.948	0.24	2.473	0.633	0.95	0.23	-1.264	8.866	-1.121	-3.242	1.41	-3.639	1.649	-0.117	-2.079	1.86115	2.079200516	6	1	250	275	895.1277116	43.794	175	75	100		0	1.696	466767.75	466767.75	175	6447482.197	-87.5
L1	0.05	1.711	16.988	15.164	14.321	16.058	9.98	7.788	15.282	19.85	19.474	7.703	12.584	30.704	13.123	-0.123	9.303	2.643	8.041	8.487	5.287	11.7184	20.16609668	7	1	275	300	581.0941099	12.607	187.5	75	100		0	0.734	466765.875	466765.875	187.5	6447484.028	-100
L1	0.05	-0.687	0.68	2.745	4.977	11.324	7.879	-3.76	-9.411	-22.36	-21.236	-13.198	-27.83	2.574	-9.614	-12.487	1.745	-4.432	3.245	14.602	2.513	-3.63655	-6.588967535	8	1	300	325	551.9149974	7.412	200	75	100		0	0.488	466764	466764	200	6447485.858	-112.5
L1	0.05	5.19	10.329	10.164	19.833	13.12	5.039	4.094	8.17	-5.222	-2.123	1.682	-17.178	-4.18	-2.442	-11.929	2.565	-17.37	-5.225	-5.13	-4.383	0.2502	0.281278285	9	1	325	350	889.5105439	36.494	212.5	75	100		0	0.572	466762.125	466762.125	212.5	6447487.689	-125
L1	0.05	4.801	7.758	7.329	7.211	26.107	12.481	1.899	9.265	7.017	9.736	6.865	-8.09	-0.276	-6.129	-15.631	18.377	-7.394	3.018	11.999	-6.687	4.4828	8.220529772	10	1	350	375	545.3176528	-10.449	225	75	100		0	0.263	466760.25	466760.25	225	6447489.52	-137.5
L1	0.05	5.451	4.846	4.155	3.79	3.644	3.465	3.064	2.747	2.682	2.504	2.452	2.304	2.114	2.032	1.882	1.889	1.924	1.575	1.81	1.642	2.7986	5.815068982	11	1	150	175	481.2668618	24.813	137.5	100	125		0	51.064	466758.375	466758.375	137.5	6447491.35	-25

L1	0.05	4.048	3.233	3.035	2.302	1.77	1.073	1.238	1.479	1.395	1.222	1.043	1.099	1.118	1.125	1.231	1.257	0.632	1.648	0.778	0.138	1.5432	2.958988822	2	1	175	200	521.5295132	-0.519	150	100	125		0	13.834	466756.5	466756.5	150	6447493.181	-37.5
L1	0.05	2.247	2.02	-1.022	-0.95	-0.133	0.45	-0.475	-1.02	-0.627	-2.381	0.951	-1.496	-1.229	-1.033	-2.587	-0.333	0.896	-3.01	2.798	-1.721	-0.43275	-0.846849891	3	1	200	225	511.011461	134.563	162.5	100	125		0	5.422	466754.625	466754.625	162.5	6447495.012	-50
L1	0.05	6.545	4.763	5.268	2.984	1.438	-0.117	-0.669	2.32	0.908	0.843	-0.06	1.011	0.179	1.017	2.016	0.881	-1.455	3.395	-1.39	-0.21	1.48335	1.617889836	4	1	225	250	916.8424	-167.364	175	100	125		0	4.864	466752.75	466752.75	175	6447496.843	-62.5
L1	0.05	2.971	2.866	1.738	-1.354	1.833	0.65	-2.699	-2.667	-1.592	-1.397	-0.282	-0.975	-1.539	-0.706	-1.264	1.862	0.352	-1.67	1.008	-0.982	-0.19235	-0.173287785	5	1	250	275	1110.003224	45.402	187.5	100	125		0	3.365	466750.875	466750.875	187.5	6447498.673	-75
L1	0.05	-1.108	4.451	-3.078	-5.325	-3.507	1.548	-5.554	-4.328	-0.968	0.667	2.331	0.175	-6.468	-3.618	-3.735	-0.897	-4.198	-4.923	-2.687	-0.164	-2.0693	-2.841091475	6	1	275	300	728.3468408	13.063	200	100	125		0	1.38	466749	466749	200	6447500.504	-87.5
L1	0.05	-5.59	-7.539	0.976	-5.551	4.906	-1.82	-13.021	-11.829	-17.685	-12.95	-11.308	-6.879	-10.449	-0.817	3.814	2.983	2.187	-2.42	-4.392	8.593	-4.43955	-6.34360705	7	1	300	325	699.8463123	3.542	212.5	100	125		0	0.884	466747.125	466747.125	212.5	6447502.335	-100
L1	0.05	-5.095	-1.455	-0.06	-9.942	-4.406	-11.13	-12.445	-16.696	-14.607	-10.947	-9.353	-1.113	-13.019	-5.703	-0.793	-1.827	-14.333	-9.446	-10.876	-2.368	-7.7807	-6.935130296	8	1	325	350	1121.925568	31.693	225	100	125		0	0.992	466745.25	466745.25	225	6447504.165	-112.5
L1	0.05	-4.449	-8.663	-4.843	-11.532	-4.767	-20.795	-29.107	-25.733	-22.204	-13.671	-26.157	-21.844	-34.119	-17.732	6.259	-1.231	-8.415	-13.458	-20.881	-0.977	-14.21595	-21.16104296	9	1	350	375	671.798173	-13.389	237.5	100	125		0	0.432	466743.375	466743.375	237.5	6447505.996	-125
L1	0.05	7.293	-16.937	4.035	-15.436	-6.285	-8.662	-24.627	7.2	-22.904	7.413	-26.883	-17.177	-32.906	-11.887	0.517	4.613	1.547	-3.904	-33.804	-2.565	-9.56795	-9.755823805	10	1	375	400	980.7423946	-7.687	250	100	125		0	0.473	466741.5	466741.5	250	6447507.827	-137.5
L1	0.2	6.669	5.845	5.241	4.738	4.357	4.001	3.742	3.489	3.27	3.073	2.91	2.753	2.617	2.502	2.377	2.274	2.167	2.069	1.976	1.906	3.3988	3.921305932	1	1	175	200	866.7520614	-1.941	162.5	125	150		0	367.861	466739.625	466739.625	162.5	6447509.657	-25
L1	0.2	4.997	4.337	3.928	3.506	3.198	2.914	2.756	2.542	2.55	2.369	2.22	2.096	2.027	1.944	1.899	1.739	1.74	1.59	1.719	1.576	2.58235	4.499849645	2	1	200	225	573.87473	109.945	175	125	150		0	60.89	466737.75	466737.75	175	6447511.488	-37.5
L1	0.2	8.944	7.748	6.864	5.889	5.636	4.876	4.745	4.229	4.014	3.754	3.507	3.561	3.381	3.308	2.982	2.879	2.612	2.451	2.435	2.268	4.30415	4.318019136	3	1	225	250	996.7880791	-146.651	187.5	125	150		0	42.305	466735.875	466735.875	187.5	6447513.319	-50
L1	0.2	6.15	5.139	4.646	3.868	3.791	3.286	2.937	2.856	2.975	2.619	2.54	2.306	2.027	2.078	2.034	1.915	2.079	1.627	1.967	1.676	2.9258	2.463883659	4	1	250	275	1187.474899	47.656	200	125	150		0	25.199	466734	466734	200	6447515.15	-62.5
L1	0.2	5.725	5.142	4.691	3.707	4.364	2.759	3.505	3.15	2.626	2.574	2.779	2.609	2.731	2.704	2.425	2.666	2.742	2.423	2.539	1.932	3.18965	4.175535555	5	1	275	300	763.8900347	13.873	212.5	125	150		0	9.263	466732.125	466732.125	212.5	6447516.98	-75
L1	0.2	5.245	3.719	3.914	2.613	3.569	1.685	2.608	2.023	1.201	1.672	2.13	2.135	0.837	1.802	1.237	1.281	1.77	1.163	0.869	0.082	2.07775	2.867237046	6	1	300	325	724.6523278	0.045	225	125	150		0	5.492	466730.25	466730.25	225	6447518.811	-87.5
L1	0.2	6.127	4.278	4.535	2.47	4.381	2.69	2.216	2.426	2.85	2.11	2.467	1.745	1.429	1.292	2.052	2.905	2.028	2.398	2.43	2.025	2.7427	2.378169836	7	1	325	350	1153.281805	30.297	237.5	125	150		0	5.827	466728.375	466728.375	237.5	6447520.642	-100
L1	0.2	2.183	1.229	1.931	-1.189	3.008	-0.338	-0.377	1.825	1.233	-0.639	1.48	-2.841	-2.831	-1.179	1.223	0.897	-0.012	0.424	0.287	-0.241	0.30365	0.454867509	8	1	350	375	667.557023	-16.808	250	125	150		0	2.361	466726.5	466726.5	250	6447522.472	-112.5
L1	0.2	0.148	-0.639	0.956	-1.583	0.667	0.038	-1.126	-0.86	2.86	-0.589	-0.066	-3.249	-3.215	-1.688	-3.019	-1.909	-0.166	1.36	0.01	1.726	-0.5172	-0.540130901	9	1	375	400	957.5456598	-10.922	262.5	125	150		0	2.463	466724.625	466724.625	262.5	6447524.303	-125
L1	0.2	-6.004	-14.714	-13.646	-16.305	-11.732	-11.266	-10.248	-6.282	-8.279	-8.948	-9.939	-11.247	-15.572	-12.809	-12.929	-13.881	-8.089	-12.165	-7.189	-7.699	-10.94715	-11.221415213	10	1	400	425	975.5587667	131.031	275	125	150		0	1.882	466722.75	466722.75	275	6447526.134	-137.5
L1	0.2	4.827	4.225	3.744	3.378	3.086	2.843	2.633	2.452	2.284	2.151	2.034	1.924	1.817	1.726	1.643	1.56	1.486	1.444	1.386	1.324	2.39835	2.098559002	1	1	200	225	1142.855644	98.138	187.5	150	175		0	485.043	466720.875	466720.875	187.5	6447527.965	-25
L1	0.2	8.474	7.381	6.526	5.814	5.3	4.827	4.422	4.092	3.775	3.592	3.332	3.134	2.95	2.762	2.632	2.481	2.363	2.261	2.167	2.053	4.0169	2.256182055	2	1	225	250	1780.397105	-131.992	200	150	175		0	188.906	466719	466719	200	6447529.795	-37.5
L1	0.2	5.005	4.465	3.947	3.487	3.188	2.846	2.672	2.44	2.239	2.182	2.001	1.905	1.752	1.613	1.53	1.43	1.324	1.329	1.242	1.129	2.3863	1.089851471	3	1	250	275	2189.564416	48.935	212.5	150	175		0	92.928	466717.125	466717.125	212.5	6447531.626	-50
L1	0.2	5.13	4.815	4.215	3.895	3.622	3.251	3.061	2.773	2.597	2.678	2.374	2.355	2.154	1.929	1.991	1.621	1.549	1.537	1.334	1.223	2.7052	1.919167122	4	1	275	300	1409.569792	17.075	225	150	175		0	29.912	466715.25	466715.25	225	6447533.457	-62.5
L1	0.2	4.048	4.028	3.391	2.746	2.59	2.296	2.093	1.706	1.275	1.331	1.454	1.362	1.148	1.098	0.958	0.65	0.756	1.006	0.796	0.943	1.78375	1.298470083	5	1	300	325	1373.732074	-0.145	237.5	150	175		0	16.658	466713.375	466713.375	237.5	6447535.287	-75
L1	0.2	4.387	4.419	3.859	3.266	2.845	2.545	2.452	2.133	1.297	1.832	1.763	1.478	0.956	0.873	1.011	1.038	0.413	0.724	0.666	0.631	1.9294	0.872258999	6	1	325	350	2211.957688	25.806	250	150	175		0	16.764	466711.5	466711.5	250	6447537.118	-87.5
L1	0.2	1.948	2.073	1.809	1.661	1.831	0.568	-0.016	0.257	0.148	0.531	-0.124	0.149	0.086	-0.267	-0.455	-0.098	-1.302	-1.059	-0.797	-0.493	0.3225	0.241864846	7	1	350	375	1333.389312	-19.19	262.5	150	175		0	6.737	466709.625	466709.625	262.5	6447538.949	-100
L1	0.2	0.425	1.347	0.549	0.017	0.655	0.173	-0.665	-1.896	-1.798	-0.062	-0.363	-0.031	-0.526	-1.058	-0.643	-1.006	-1.617	-1.404	-1.117	-1.291	-0.51555	-0.275186407	8	1	375	400	1873.457363	-9.56	275	150	175		0	6.626	466707.75	466707.75	275	6447540.78	-112.5
L1	0.2	0.178	2.634	0.731	-0.583	0.194	0.717	1.189	-0.645	-0.762	-0.646	-1.525	-1.951	-2.838	-1.13	-2.156	-2.268	-2.677	-1.047	-1.011	-1.377	-0.74865	-0.376697644	9	1	400	425	1987.402929	122.268	287.5	150	175		0	5.112	466705.875	466705.875	287.5	6447542.61	-125
L1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		10	1	425	450		0	300	150	175		0	0	466704	466704	300	6447544.441	-137.5
L1	0.2	11.81	10.29	9.124	8.22	7.463	6.83	6.296	5.847	5.43	5.089	4.764	4.493	4.224	4.012	3.793	3.614	3.43	3.269	3.115	2.977	5.7045	3.184832389	1	1	225	250	1791.146065	-125.712	212.5	175	200		0	760.186	466702.125	466702.125	212.5	6447546.272	-25
L1	0.2	6.008	5.233	4.701	4.198	3.874	3.523	3.309	3.03	2.836	2.723	2.531	2.38	2.23	2.066	1.978	1.926	1.802	1.782	1.701	1.597	2.9714	1.701266644	2	1	250	275	1746.581002	46.553	225	175	200		0	185.318	466700.25	466700.25	225	6447548.102	-37.5
L1	0.2	6.061	5.215	4.677	4.188	3.734	3.443	3.171	3.087	2.967	2.852	2.415	2.364	2.06	2.221	2.032	2.246	2.017	1.873	1.746	1.716	3.00425	2.665892993	3	1	275	300	1126.920701	18.453	237.5	175	200		0	47.828	466698.375	466698.375	237.5	6447549.933	-50
L1	0.2	4.504	3.838	3.643	3.079	3.145	2.645	2.833	2.285	2.192	2.235	2.161	1.719	1.742	1.053	1.228	1.6	1.319	1.549	1.209	1.072	2.25255	1.995932841	4	1	300	325	1128.570037	-7.529	250	175	200		0	23.949	466696.5	466696.5	250	6447551.764	-62.5

L1	0.2	5.483	4.795	4.022	3.815	3.105	2.771	2.662	2.67	2.302	2.487	1.65	1.988	1.694	1.999	1.81	2.056	1.45	1.466	1.258	0.96	2.52215	1.339809006	5	1	325	350	1882.469807	28.365	262.5	175	200		0	22.827	466694.625	466694.625	262.5	6447553.594	-75
L1	0.2	2.639	2.053	0.774	2.061	0.783	0.769	0.841	1.229	0.72	0.746	-0.169	0.365	0.517	1.423	0.512	1.297	0.81	0.355	0.082	-0.217	0.8795	0.774075089	6	1	350	375	1136.194682	-20.91	275	175	200		0	8.611	466692.75	466692.75	275	6447555.425	-87.5
L1	0.2	1.369	1.074	0.757	0.544	0.855	0.309	0.439	1.009	-0.27	0.524	0.09	1.033	1.199	1.335	0.822	0.325	0.188	0.624	0.237	-0.91	0.57765	0.356884141	7	1	375	400	1618.592517	-1.485	287.5	175	200		0	8.178	466690.875	466690.875	287.5	6447557.256	-100
L1	0.2	3.568	3.138	1.558	2.837	2.142	0.823	1.704	2.666	0.221	3.284	1.113	2.194	0.809	1.046	0.424	0.759	-0.08	0.604	1.031	-0.026	1.49075	0.864903147	8	1	400	425	1723.603393	107.094	300	175	200		0	6.096	466689	466689	300	6447559.087	-112.5
L1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	425	450		0	312.5	175	200		0	0	466687.125	466687.125	312.5	6447560.917	-125
L1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	1	450	475		0	325	175	200		0	0	466685.25	466685.25	325	6447562.748	-137.5
L1	0.05	7.35	6.429	5.668	5.099	4.653	4.247	3.944	3.636	3.427	3.193	3.006	2.842	2.7	2.543	2.436	2.295	2.174	2.105	2.005	1.922	3.5837	1.538371578	1	1	250	275	2329.541218	14.381	237.5	200	225		0	247.172	466683.375	466683.375	237.5	6447564.579	-25
L1	0.05	6.637	5.838	5.068	4.512	4.384	3.852	3.554	3.067	3.072	2.839	2.693	2.532	2.371	2.207	2.139	1.911	1.957	1.773	1.733	1.634	3.18865	2.434702597	2	1	275	300	1309.667145	6.348	250	200	225		0	34.74	466681.5	466681.5	250	6447566.409	-37.5
L1	0.05	5.465	5.241	4.019	3.754	3.354	3.098	3.347	2.739	2.549	2.689	2.384	2.167	1.835	2.023	2.17	2.066	1.537	1.554	1.499	1.557	2.75235	2.581396668	3	1	300	325	1066.225131	6.954	262.5	200	225		0	11.313	466679.625	466679.625	262.5	6447568.24	-50
L1	0.05	7.416	6.911	5.628	5.143	5.314	4.272	4.398	3.443	3.787	3.242	3.229	2.992	2.574	2.337	2.011	1.97	1.941	1.71	1.749	1.541	3.5804	1.353567444	4	1	325	350	2645.158182	-47.223	275	200	225		0	14.033	466677.75	466677.75	275	6447570.071	-62.5
L1	0.05	3.088	3.77	2.552	1.903	2.668	1.431	3.134	1.58	3.499	4.067	4.636	3.115	4.068	1.858	2.879	2.623	2.448	2.819	1.393	1.701	2.7616	2.096107451	5	1	350	375	1317.489711	21.595	287.5	200	225		0	3.994	466675.875	466675.875	287.5	6447571.902	-75
L1	0.05	1.462	4.825	1.595	2.054	0.922	1.695	3.613	2.708	2.202	2.596	3.144	1.487	-0.421	1.055	2.53	0.625	0.362	2.609	1.492	0.79	1.86725	0.977855654	6	1	375	400	1909.535413	-20.2	300	200	225		0	3.618	466674	466674	300	6447573.732	-87.5
L1	0.05	4.567	6.211	3.542	2.614	3.838	3.05	3.532	-0.883	1.217	1.032	4.49	1.35	3.412	1.009	2.345	-0.229	-1.557	-0.416	-1.687	-0.426	1.85055	0.923180684	7	1	400	425	2004.537175	35.773	312.5	200	225		0	2.532	466672.125	466672.125	312.5	6447575.563	-100
L1	0.05	1.595	4.779	1.636	2.112	2.542	1.674	2.489	-1.003	3.425	2.862	3.513	2.436	3.687	2.656	2.884	-0.043	-0.256	0.294	-0.303	0.858	1.89185	0.498885375	8	1	425	450	3792.15366	-25.599	325	200	225		0	3.353	466670.25	466670.25	325	6447577.394	-112.5
L1	0.05	3.873	6.246	0.338	5.1	4.247	7.423	0.662	-0.114	7.68	0.809	5.596	7.137	5.208	6.643	6.729	-0.467	-0.984	3.972	9.832	5.844	4.2887	3.581623006	9	1	450	475	1197.41804	-2.604	337.5	200	225		0	0.77	466668.375	466668.375	337.5	6447579.224	-125
L1	0.05	10.289	16.222	20.48	6.918	6.916	15.891	9.885	-0.794	1.825	2.549	5.851	6.327	2.69	4.096	4.317	-5.358	-0.617	0.996	-4.987	-1.477	5.10095	2.9045165	10	1	475	500	1756.213125	92.038	350	200	225		0	0.847	466666.5	466666.5	350	6447581.055	-137.5
L1	0.05	7.519	6.603	5.835	5.223	4.787	4.345	4.075	3.759	3.517	3.279	3.101	2.909	2.792	2.617	2.497	2.373	2.288	2.163	2.054	1.957	3.68465	2.097187543	1	1	275	300	1756.948258	6.023	262.5	225	250		0	186.418	466664.625	466664.625	262.5	6447582.886	-25
L1	0.05	6.689	5.755	5.121	4.584	4.256	3.782	3.488	3.251	2.93	2.887	2.702	2.484	2.357	2.264	2.095	2.134	1.925	1.895	1.705	1.772	3.2038	2.236935974	2	1	300	325	1432.226958	0.376	275	225	250		0	37.991	466662.75	466662.75	275	6447584.717	-37.5
L1	0.05	8.637	7.694	6.696	5.925	5.662	4.884	4.742	4.472	4.111	3.73	3.614	3.276	3.423	3.006	2.869	2.792	2.693	2.44	2.418	2.371	4.27275	1.156955099	3	1	325	350	3693.099244	-49.495	287.5	225	250		0	39.185	466660.875	466660.875	287.5	6447586.547	-50
L1	0.05	5.212	4.244	3.737	3.352	3.181	2.321	2.715	2.711	1.995	2.197	1.896	1.588	1.464	1.694	1.359	1.895	1.424	1.156	1.042	1.147	2.3165	1.326148073	4	1	350	375	1746.788347	23.704	300	225	250		0	9.267	466659	466659	300	6447588.378	-62.5
L1	0.05	4.19	4.649	3.298	2.56	3.285	1.876	2.339	2.001	2.254	1.753	2.066	1.006	2.344	1.247	0.762	0.693	0.803	1.079	0.549	0.843	1.97985	0.750338826	5	1	375	400	2638.607962	-21.905	312.5	225	250		0	7.999	466657.125	466657.125	312.5	6447590.209	-75
L1	0.05	4.953	6.688	3.124	3.205	3.151	0.584	3.224	2.986	2.569	0.855	0.857	0.704	2.768	1.568	0.004	-0.04	0.848	0.281	0.449	0.459	1.96185	0.768635347	6	1	400	425	2552.380668	35.555	325	225	250		0	4.836	466655.25	466655.25	325	6447592.039	-87.5
L1	0.05	5.547	5.546	3.798	2.956	4.62	1.406	2.6	2.358	2.117	0.515	1.91	1.809	2.607	1.358	1.392	0.739	0.927	2.185	0.095	1.168	2.28265	0.452991971	7	1	425	450	5039.051785	-41.485	337.5	225	250		0	6.365	466653.375	466653.375	337.5	6447593.87	-100
L1	0.05	6.553	7.461	4.237	3.635	2.286	-0.393	3.603	4.698	1.034	-0.738	-0.648	-1.279	4.073	-0.269	1.661	-0.425	-1.81	3.064	2.714	2.84	2.11485	1.417693671	8	1	450	475	1491.753856	30.092	350	225	250		0	1.319	466651.5	466651.5	350	6447595.701	-112.5
L1	0.05	8.76	6.632	3.887	5.954	11.889	1.834	6.164	4.351	6.928	3.821	2.465	1.243	2.251	1.974	-0.624	2.583	1.41	2.319	2.037	2.603	3.92405	1.760894235	9	1	475	500	2228.441625	35.201	362.5	225	250		0	1.433	466649.625	466649.625	362.5	6447597.531	-125
L1	0.05	7.512	3.05	-6.34	-2.453	5.943	-8.765	-3.789	1.387	-7.229	-8.098	-13.591	-13.544	-6.075	-9.895	-11.11	-10.738	-9.906	-9.677	-9.505	-4.213	-5.8518	-1.942361459	10	1	500	525	3012.724523	154.575	375	225	250		0	1.453	466647.75	466647.75	375	6447599.362	-137.5
L1	0.05	7.51	6.428	5.728	5.171	4.804	4.293	3.978	3.722	3.497	3.334	3.071	2.736	2.708	2.641	2.52	2.335	2.227	2.168	1.977	2.102	3.6475	4.991317306	1	1	300	325	730.7690087	-18.204	287.5	250	275		0	77.537	466645.875	466645.875	287.5	6447601.193	-25
L1	0.05	9.889	8.582	7.721	6.808	6.285	5.974	5.415	4.932	4.571	4.302	4.185	4.007	3.672	3.353	3.326	3.155	3.072	2.835	2.785	2.454	4.86615	2.012294609	2	1	325	350	2418.209529	-49.033	300	250	275		0	64.145	466644	466644	300	6447603.024	-37.5
L1	0.05	7.432	5.643	5.251	4.666	4.828	3.868	2.645	3.518	3.342	3.067	3.089	1.566	2.269	2.678	2.581	2.443	1.338	1.832	0.981	1.721	3.2379	2.706624597	3	1	350	375	1196.287067	17.098	312.5	250	275		0	12.693	466642.125	466642.125	312.5	6447604.854	-50
L1	0.05	5.991	5.134	4.92	3.492	2.872	4.463	2.96	1.919	1.772	1.236	2.394	2.746	2.175	0.532	0.715	1.274	1.621	0.87	1.222	-0.448	2.393	1.241225977	4	1	375	400	1927.93258	8.129	325	250	275		0	10.228	466640.25	466640.25	325	6447606.685	-62.5
L1	0.05	6.688	3.481	4.294	3.741	4.495	2.424	1.265	2.133	2.46	3.325	2.973	0.095	1.323	2.915	2.277	1.853	0.756	1.181	-0.79	0.775	2.3832	1.331010494	5	1	400	425	1790.519317	16.273	337.5	250	275		0	5.428	466638.375	466638.375	337.5	6447608.516	-75
L1	0.05	8.407	4.193	4.716	4.259	5.059	3.18	2.731	3.59	3.83	4.788	3.114	-0.405	1.834	1.781	3.41	1.323	0.453	1.961	-0.098	2.141	3.01335	0.808696796	6	1	425	450	3726.180215	-70.918	350	250	275		0	7.06	466636.5	466636.5	350	6447610.346	-87.5
L1	0.05	12.584	3.424	5.904	7.549	6.899	6.199	-3.703	3.079	5.381	4.783	5.939	-2.316	2.034	5.706	6.25	4.253	-1.697	3.035	-1.672	-1.097	3.6267	3.510352321	7	1	450	475	1033.14416	63.088	362.5	250	275		0	1.305	466634.625	466634.625	362.5	6447612.177	-100
L1	0.05	15.698	6.211	6.098	4.872	8.665	7.814	0.73	4.894	3.731	7.878	1.029	0.21	3.45	6.247	8.019	6.672	0.022	1.456	0.736	5.411	4.99215	3.115052729	8	1	475	500	1602.589244	1.415	375	250	275		0	1.417	466632.75	466632.75	375	6447614.008	-112.5
L1	0.05	13.306	7.681	12.845	5.67	7.671	9.909	5.374	3.993	4.012	5.582	10.813	2.195	4.22	2.026	6.603	1.539	-1.323	-4.137	-4.982	-7.017	4.299	2.100663475	9	1	500	525	2046.496286	176.793	387.5	250	275		0	1.316	466630.875	466630.875	387.5	6447615.839	-125
L1	0.05	0.556	-11.068	-4.057	-6.22	-5.171	-1.843	-6.171	-10.816	-14.371	-0.143	-4.984	-16.389	-15.198	-4.763	-6.727	-4.636	-12.099	-12.164	-15.068	-12.572	-8.1952	-4.112845173	10	1	525	550	1992.586556	-147.868	400	250	275		0	0.961	466629	466629	400	6447617.669	-137.5

L1	0.05	8.433	7.287	6.525	5.862	5.333	4.904	4.522	4.226	3.932	3.706	3.485	3.278	3.118	2.982	2.783	2.684	2.565	2.445	2.346	2.261	4.13385	1.560563533	1	1	325	350	2648.949643	-65.897	312.5	275	300		0	281.062	466627.125	466627.125	312.5	6447619.5	-25
L1	0.05	6.236	5.208	4.873	4.3	3.685	3.618	3.25	2.997	2.849	2.741	2.502	2.313	2.132	2.278	1.99	1.95	1.656	1.808	1.491	1.578	2.97275	2.346026504	2	1	350	375	1267.142547	24.359	325	275	300		0	33.612	466625.25	466625.25	325	6447621.331	-37.5
L1	0.05	4.83	3.705	3.718	3.178	2.81	2.577	2.387	2.457	2.16	2.24	1.83	1.776	1.51	1.761	1.398	1.519	1.431	1.242	1.058	1.262	2.24245	1.063427795	3	1	375	400	2108.699821	5.703	337.5	275	300		0	22.374	466623.375	466623.375	337.5	6447623.161	-50
L1	0.05	5.156	3.58	3.99	3.415	2.572	2.804	2.282	2.203	2.047	2.272	2.018	1.885	1.618	2.371	1.373	1.531	1.339	1.57	1.078	1.664	2.3384	1.180361303	4	1	400	425	1981.088327	19.641	350	275	300		0	10.51	466621.5	466621.5	350	6447624.992	-62.5
L1	0.05	5.965	3.798	5.404	4.129	3.509	3.843	2.533	3.084	2.741	3.274	2.654	2.5	1.756	2.782	1.458	2.058	1.412	1.952	1.039	1.407	2.8649	0.703866558	5	1	425	450	4070.231734	-70.408	362.5	275	300		0	12.339	466619.625	466619.625	362.5	6447626.823	-75
L1	0.05	6.357	2.535	5.692	5.577	1.524	5.055	0.619	3.431	2.883	4.775	6.888	4.293	0.85	5.438	1.289	1.415	2.832	1.092	-0.391	2.035	3.20945	3.09936309	6	1	450	475	1035.519204	60.349	375	275	300		0	1.962	466617.75	466617.75	375	6447628.654	-87.5
L1	0.05	10.643	3.828	8.141	5.089	4.515	6.657	4.619	3.165	2.236	6.806	6.039	5.043	1.906	3.158	2.403	2.243	-1.11	3.37	0.983	2.421	4.10775	2.51022768	7	1	475	500	1636.405348	-3.403	387.5	275	300		0	2.067	466615.875	466615.875	387.5	6447630.484	-100
L1	0.05	5.819	-0.232	11.921	9.217	9.934	5.957	3.184	7.373	0.847	6.553	3.944	7.312	3.711	9.957	0.314	2.133	2.418	6.488	1.315	0.675	4.942	2.359442431	8	1	500	525	2094.562654	177.745	400	275	300		0	1.852	466614	466614	400	6447632.315	-112.5
L1	0.05	4.679	-0.332	7.555	0.81	4.576	0.328	-0.877	-0.128	-0.342	3.193	3.016	7.328	0.854	3.846	-5.253	-0.955	-3.999	2.156	-3.853	-3.817	0.93925	0.455837714	9	1	525	550	2060.492082	-151.245	412.5	275	300		0	1.325	466612.125	466612.125	412.5	6447634.146	-125
L1	0.05	3.896	-1.856	9.779	9.2	11.689	4.437	-0.141	7.184	1.626	3.242	0.978	0.735	6.826	11.778	4.65	7.499	1.609	6.649	2.167	7.83	4.98885	2.363517705	10	1	550	575	2110.773272	54.081	425	275	300		0	1.018	466610.25	466610.25	425	6447635.976	-137.5
L1	0.05	4.803	4.124	3.673	3.288	2.971	2.748	2.548	2.359	2.237	2.119	1.97	1.858	1.757	1.691	1.673	1.452	1.456	1.358	1.319	1.335	2.33695	2.821617426	1	1	350	375	828.2306376	36.289	337.5	300	325		0	87.878	466608.375	466608.375	337.5	6447637.807	-25
L1	0.05	3.548	3.046	2.65	2.398	2.147	1.952	1.886	1.644	1.621	1.469	1.369	1.349	1.247	1.113	1.327	0.948	1.187	0.926	0.925	1.047	1.68995	1.178983641	2	1	375	400	1433.39563	-4.389	350	300	325		0	38.022	466606.5	466606.5	350	6447639.638	-37.5
L1	0.05	2.799	2.306	2.213	1.844	1.34	1.328	1.673	1.269	0.832	1.352	0.812	0.776	1.015	0.757	1.335	0.355	0.814	0.684	0.809	1.224	1.27685	1.048997234	3	1	400	425	1217.210074	26.194	362.5	300	325		0	12.915	466604.625	466604.625	362.5	6447641.469	-50
L1	0.05	4.546	3.886	2.745	2.749	2.053	1.961	2.597	1.828	1.76	1.814	1.357	1.492	1.622	1.186	2.395	0.127	1.857	0.63	0.31	1.792	1.93535	0.781440797	4	1	425	450	2476.643153	-50.617	375	300	325		0	13.139	466602.75	466602.75	375	6447643.299	-62.5
L1	0.05	2.939	3.627	2.391	4.735	3.322	2.089	4.67	2.263	2.85	3.761	1.436	0.566	2.503	1.772	7.266	-1.283	3.11	-0.787	2.233	3.708	2.65855	5.240217648	5	1	450	475	507.3357976	41.133	387.5	300	325		0	1.538	466600.875	466600.875	387.5	6447645.13	-75
L1	0.05	6.794	6.359	5.135	5.528	1.228	4.557	4.32	3.627	4.95	1.761	0.854	1.407	1.409	3.739	6.092	0.803	2.856	0.705	-2.007	5.617	3.2867	4.012445934	6	1	475	500	819.1263021	-8.09	400	300	325		0	1.552	466599	466599	400	6447646.961	-87.5
L1	0.05	4.04	4.992	-0.716	-1.841	-4.695	-4.556	3.703	-2.277	-1.788	1.116	1.606	-4.196	-2.511	-1.541	6.244	-11.567	1.788	-3.209	-4.84	2.038	-0.9105	-0.945792709	7	1	500	525	962.68452	195.627	412.5	300	325		0	1.216	466597.125	466597.125	412.5	6447648.791	-100
L1	0.05	10.249	10.241	0.724	9.488	-5.104	6.045	5.315	4.343	3.855	2.481	3.092	6.129	4.235	0.665	11.762	-4.205	4.055	4.535	-6.748	13.509	4.2333	4.352394196	8	1	525	550	972.6370856	-169.991	425	300	325		0	0.86	466595.25	466595.25	425	6447650.622	-112.5
L1	0.05	0.37	5.023	-2.27	4.844	8.448	7.084	4.279	8.577	8.7	10.484	-3.801	-5.211	0.396	-0.621	11.627	-6.024	1.616	7.009	2.731	14.336	3.87985	3.868121876	9	1	550	575	1003.031994	37.88	437.5	300	325		0	0.645	466593.375	466593.375	437.5	6447652.453	-125
L1	0.05	14.752	15.631	8.797	3.001	-0.976	0.829	9.171	-3.052	-8.189	10.064	2.981	6.117	10.706	5.241	13.508	-3.363	2.297	9.478	1.063	10.876	5.4466	5.339081751	10	1	575	600	1020.137966	-59.292	450	300	325		0	0.492	466591.5	466591.5	450	6447654.283	-137.5
L1	0.05	5.37	4.656	4.136	3.686	3.358	3.08	2.84	2.635	2.461	2.303	2.158	2.039	1.919	1.833	1.755	1.674	1.6	1.528	1.478	1.422	2.59655	0.524176616	1	1	375	400	4953.578473	-11.516	362.5	325	350		0	525.591	466589.625	466589.625	362.5	6447656.114	-25
L1	0.05	4.116	3.559	3.157	2.837	2.652	2.405	2.25	2.12	1.953	1.828	1.742	1.667	1.563	1.449	1.38	1.417	1.261	1.217	1.165	1.141	2.04395	0.460046988	2	1	400	425	4442.915729	23.705	375	325	350		0	117.852	466587.75	466587.75	375	6447657.945	-37.5
L1	0.05	4.765	4.081	3.735	3.204	2.984	2.698	2.514	2.377	2.169	2.012	1.879	1.723	1.692	1.497	1.475	1.464	1.3	1.228	1.258	1.251	2.2653	0.261120062	3	1	425	450	8675.319617	-69.464	387.5	325	350		0	92.048	466585.875	466585.875	387.5	6447659.776	-50
L1	0.05	3.274	3.151	3.366	2.193	3.607	2.93	1.839	3.567	3	2.982	3.342	2.648	1.396	1.939	1.972	2.703	1.998	1.139	1.47	1.64	2.5078	2.584361346	4	1	450	475	970.3751388	59.906	400	325	350		0	5.148	466584	466584	400	6447661.606	-62.5
L1	0.05	7.717	6.655	6.402	4.215	5.421	4.959	3.581	4.415	4.332	3.32	2.866	2.778	2.909	1.818	3.01	2.954	2.42	2.189	2.362	2.754	3.85385	2.501184726	5	1	475	500	1540.809825	-21.247	412.5	325	350		0	4.671	466582.125	466582.125	412.5	6447663.437	-75
L1	0.05	6.386	5.321	7.305	4.683	3.763	2.932	3.45	5.684	4.869	3.468	2.843	3.44	3.444	1.926	3.461	3.113	1.006	0.165	1.538	2.299	3.5548	2.094305229	6	1	500	525	1697.364812	170.018	425	325	350		0	3.216	466580.25	466580.25	425	6447665.268	-87.5
L1	0.05	8.206	6.062	9.566	3.071	5.088	1.368	3.844	3.951	4.477	3.009	3.877	2.889	2.347	1.477	1.371	4.807	2.087	1.306	1.818	3.155	3.6888	2.214567694	7	1	525	550	1665.697558	-139.388	437.5	325	350		0	2.104	466578.375	466578.375	437.5	6447667.098	-100
L1	0.05	4.564	6.567	6.797	3.382	6.246	5.828	0.147	3.493	1.793	2.628	2.822	1.147	5.601	0.906	2.116	1.835	2.022	0.165	-0.422	3.678	3.06575	1.660979258	8	1	550	575	1845.748516	32.277	450	325	350		0	1.632	466576.5	466576.5	450	6447668.929	-112.5
L1	0.05	9.156	12.432	15.49	4.924	7.263	-0.554	4.49	5.332	4.232	3.843	3.852	6.051	5.655	-1.322	3.28	3.995	1.4	0.484	7.254	4.793	5.1025	2.875691524	9	1	575	600	1774.355823	-57.62	462.5	325	350		0	1.141	466574.625	466574.625	462.5	6447670.76	-125
L1	0.05	12.421	5.333	10.369	0.04	10.251	3.556	5.242	15.055	8.889	1.249	7.103	2.123	3.844	1.753	7.007	6.538	5.169	5.326	7.902	5.014	6.2092	2.559504985	10	1	600	625	2425.937847	80.325	475	325	350		0	1.17	466572.75	466572.75	475	6447672.591	-137.5
L1	0.1	5.13	4.414	3.883	3.471	3.148	2.876	2.645	2.453	2.279	2.138	2.006	1.893	1.79	1.698	1.61	1.533	1.459	1.398	1.337	1.285	2.4223	0.398283002	1	1	400	425	6081.856342	-21.047	387.5	350	375		0	1290.61	466570.875	466570.875	387.5	6447674.421	-25
L1	0.1	5.649	4.814	4.202	3.722	3.357	3.048	2.784	2.574	2.38	2.21	2.072	1.954	1.82	1.731	1.638	1.547	1.463	1.406	1.338	1.274	2.54915	0.171333056	2	1	425	450	14878.33148	-68.964	400	350	375		0	789.32	466569	466569	400	6447676.252	-37.5
L1	0.1	0.573	0.711	0.495	0.256	0.722	0.452	0.111	0.51	0.114	0.309	0.068	0.5	0.428	0.76	0.475	0.466	0.144	0.305	0.114	0.33	0.39215	0.547371013	3	1	450	475	716.4244967	60.625	412.5	350	375		0	15.203	466567.125	466567.125	412.5	6447678.083	-50
L1	0.1	3.927	3.351	3.305	2.648	2.807	2.44	1.656	2.063	2.723	1.486	1.831	1.954	1.456	1.465	1.998	1.04	0.975	1.475	0.976	0.71	2.0143	2.080847706	4	1	475	500	968.0189444	-24.861	425	350	375		0	10.271	466565.25	466565.25	425	6447679.913	-62.5
L1	0.1	5.468	4.715	4.291	2.472	3.761	3.07	2.764	2.832	1.658	1.879	1.925	2.2	1.586	3.359	1.78	2.169	0.583	1.614	1.451	1.311	2.5444	2.850482787	5	1	500	525	892.6207207	172.569	437.5	350	375		0	5.412	466563.375	466563.375	437.5	6447681.744	-75

L1	0.1	3.302	3.762	2.931	0.52	2.87	0.571	0.75	0.548	-0.308	-0.226	0.212	2.365	1.775	2.065	-1.261	0.702	-0.2	0.265	0.759	0.031	1.07165	1.28469287	6	1	525	550	834.1682478	-141.275	450	350	375		0	3.161	466561.5	466561.5	450	6447683.575	-87.5
L1	0.1	6.258	7.414	1.987	3.219	4.15	2.274	2.233	3.178	2.635	5.231	1.334	0.307	2.045	1.351	3.105	3.708	4.426	2.365	0.924	2.733	3.04385	3.300250518	7	1	550	575	922.3087712	31.657	462.5	350	375		0	2.33	466559.625	466559.625	462.5	6447685.406	-100
L1	0.1	2.118	2.418	1.788	2.433	1.503	2.718	2.877	3.599	2.818	3.644	-1.1	5.865	3.247	10.41	7.764	3.326	-1.021	-1.458	2.275	3.252	2.9238	3.687884154	8	1	575	600	792.8123221	-55.277	475	350	375		0	1.402	466557.75	466557.75	475	6447687.236	-112.5
L1	0.1	12.112	11.924	5.516	3.376	9.93	5.254	-1.959	-0.61	5.909	-1.339	-3.735	4.336	-1.976	7.954	6.357	-0.137	3.565	1.564	0.593	-5.022	3.1806	2.96848433	9	1	600	625	1071.455882	74.048	487.5	350	375		0	1.378	466555.875	466555.875	487.5	6447689.067	-125
L1	0.1	22.555	15.094	12.305	24.274	26.566	16.421	0.496	13.401	4.893	6.12	10.809	-45.998	-63.107	15.867	-10.98	-10.41	-26.489	-15.629	-9.247	-40.128	-2.65935	-3.892478943	10	1	625	650	683.2021544	94.739	500	350	375		0	0.659	466554	466554	500	6447690.898	-137.5
L1	0.05	7.077	6.052	5.299	4.711	4.249	3.861	3.543	3.263	3.028	2.824	2.64	2.477	2.334	2.204	2.088	1.977	1.88	1.795	1.709	1.632	3.23215	0.209577271	1	1	425	450	15422.23542	-76.099	412.5	375	400		0	1636.35	466552.125	466552.125	412.5	6447692.728	-25
L1	0.05	1.035	0.977	0.996	0.728	0.759	0.777	0.755	0.606	0.543	0.563	0.354	0.437	0.433	0.413	0.372	0.471	0.32	0.474	0.172	0.179	0.5682	0.637292732	2	1	450	475	891.5839951	58.586	425	375	400		0	23.65	466550.25	466550.25	425	6447694.559	-37.5
L1	0.05	3.519	3.367	2.713	2.325	2.291	1.995	2.002	1.565	1.46	1.64	1.349	1.43	1.406	1.194	1.199	0.883	0.955	1.328	0.812	0.694	1.70635	1.3002683	3	1	475	500	1312.306083	-28.168	437.5	375	400		0	13.924	466548.375	466548.375	437.5	6447696.39	-50
L1	0.05	4.528	4.744	4.532	3.217	3.531	3.132	3.271	2.214	2.207	3.125	1.831	1.352	2.186	2.09	1.726	1.79	1.843	2.538	0.653	0.816	2.5663	2.205515041	4	1	500	525	1163.583087	178.15	450	375	400		0	6.173	466546.5	466546.5	450	6447698.22	-62.5
L1	0.05	1.046	1.568	1.471	0.511	1.474	1.27	1.487	0.046	1.246	1.771	0.756	-0.035	0.544	2.008	1.329	0.045	-0.088	1.101	-0.432	0.939	0.90285	0.827141219	5	1	525	550	1091.53066	-142.437	462.5	375	400		0	3.309	466544.625	466544.625	462.5	6447700.051	-75
L1	0.05	3.785	4.48	4.152	4.943	4.624	2.299	4.695	2.006	2.264	1.685	2.412	0.074	1.649	2.76	2.119	0.015	1.119	2.516	0.906	1.307	2.4905	2.005420566	6	1	550	575	1241.884142	25.654	475	375	400		0	2.353	466542.75	466542.75	475	6447701.882	-87.5
L1	0.05	3.98	9.426	6.146	4.503	3.718	0.337	4.809	4.699	3.689	5.62	5.643	3.289	3.773	4.236	3.73	-1.644	8.062	3.161	0.066	6.59	4.19165	4.368496367	7	1	575	600	959.5177946	-43.407	487.5	375	400		0	1.212	466540.875	466540.875	487.5	6447703.713	-100
L1	0.05	1.221	1.548	-1.064	-3.902	3.305	-1.775	1.129	-1.634	-2.328	0.769	-2.439	-4.419	0.288	-0.536	-1.008	-4.721	3.162	0.285	-4.891	-1.837	-0.94235	-0.730254458	8	1	600	625	1290.440598	59.415	500	375	400		0	1.141	466539	466539	500	6447705.543	-112.5
L1	0.05	-2.053	13.427	4.318	-5.514	7.751	-3.222	3.257	2.278	3.466	6.932	-2.394	-9.469	2.191	4.53	-3.247	-1.102	4.146	2.386	-5.032	-9.855	0.6397	0.811359489	9	1	625	650	788.4298003	78.744	512.5	375	400		0	0.507	466537.125	466537.125	512.5	6447707.374	-125
L1	0.05	11.932	16.689	4.569	-3.818	-1.906	-2.75	-0.625	5.412	14.331	-5.767	5.864	-2.252	-8.953	-1.022	-2.537	-2.072	-2.321	1.036	1.886	-1.646	1.3025	2.100935577	10	1	650	675	619.9618943	-61.863	525	375	400		0	0.299	466535.25	466535.25	525	6447709.205	-137.5
L1	0.05	2.89	2.473	2.119	1.951	1.698	1.564	1.457	1.275	1.218	1.011	1.078	1.036	0.964	0.973	0.874	0.808	0.732	0.713	0.714	0.595	1.30715	2.638151917	1	1	450	475	495.479427	58.282	437.5	400	425		0	52.572	466533.375	466533.375	437.5	6447711.035	-25
L1	0.05	4.438	3.756	3.308	2.846	2.758	2.536	2.377	2.024	1.909	1.848	1.823	1.81	1.514	1.402	1.4	1.386	1.341	1.287	1.139	1.145	2.10235	1.783616893	2	1	475	500	1178.700431	-37.872	450	400	425		0	31.266	466531.5	466531.5	450	6447712.866	-37.5
L1	0.05	5.695	5.49	4.221	4.243	3.684	3.315	3.784	2.658	3.204	2.322	2.742	2.319	2.316	2.373	1.891	1.873	1.803	1.903	1.764	1.351	2.94755	2.759837349	3	1	500	525	1068.015839	187.056	462.5	400	425		0	11.332	466529.625	466529.625	462.5	6447714.697	-50
L1	0.05	2.614	1.734	1.047	1.249	1.147	1.203	1.576	-0.188	0.445	0.803	1.398	1.467	-0.071	-0.278	0.496	0.652	0.424	0.242	0.957	0.108	0.85125	0.777016777	4	1	525	550	1095.53619	-141.552	475	400	425		0	5.812	466527.75	466527.75	475	6447716.528	-62.5
L1	0.05	3.766	3.791	2.573	2.207	2.334	2.005	1.723	1.154	1.213	1.079	1.313	2.148	1.213	0.57	0.763	0.192	0.454	1.337	1.443	1.574	1.6426	1.195003415	5	1	550	575	1374.556742	17.288	487.5	400	425		0	4.167	466525.875	466525.875	487.5	6447718.358	-75
L1	0.05	4.056	6.356	2.808	1.637	4.028	1.147	3.961	-1.635	4.537	4.393	4.176	3.785	-0.28	2.125	2.714	-0.364	-4.002	0.387	1.957	2.153	2.19695	2.061696339	6	1	575	600	1065.603095	-46.504	500	400	425		0	2.019	466524	466524	500	6447720.189	-87.5
L1	0.05	7.741	5.105	5.229	5.002	5.972	2.468	7.343	0.611	4.523	1.741	2.711	5.036	2.69	3.438	5.634	2.501	1.37	4.699	5.308	4.436	4.1779	2.844878436	7	1	600	625	1468.568902	62.318	512.5	400	425		0	1.855	466522.125	466522.125	512.5	6447722.02	-100
L1	0.05	5.327	10.862	7.598	6.189	9.069	-0.837	3.365	2.239	7.365	-1.432	5.628	4.445	2.487	8.077	-4.603	-6.358	2.446	-7.453	-1.438	-0.285	2.63455	2.904555662	8	1	625	650	907.0406309	63.955	525	400	425		0	0.802	466520.25	466520.25	525	6447723.85	-112.5
L1	0.05	-7.148	-1.971	2.519	-4.489	5.348	-13.879	7.742	-8.214	2.182	4.43	-4.191	-0.56	-8.615	3.475	-1.183	-7.198	-13.814	3.425	-3.476	1.848	-2.18845	-3.013454764	9	1	650	675	726.2262658	-83.257	537.5	400	425		0	0.467	466518.375	466518.375	537.5	6447725.681	-125
L1	0.05	-19.217	-16.07	-15.654	-8.003	-29.051	-30.25	-13.745	-32.815	-22.121	-42.837	-22.824	-48.446	8.328	-9.317	-6.632	-10.098	-17.802	-0.457	1.199	0.911	-16.74505	-32.69607999	10	1	675	700	512.1424344	89.055	550	400	425		0	0.247	466516.5	466516.5	550	6447727.512	-137.5
L1	0.05	5.711	4.895	4.315	3.866	3.502	3.198	2.946	2.74	2.549	2.386	2.248	2.122	2.001	1.899	1.809	1.719	1.644	1.571	1.504	1.45	2.70375	0.668140432	1	1	475	500	4046.679214	-45.452	462.5	425	450		0	429.366	466514.625	466514.625	462.5	6447729.343	-25
L1	0.05	7.857	6.917	6.237	5.678	5.219	4.82	4.479	4.205	3.929	3.675	3.468	3.298	3.118	2.964	2.816	2.688	2.565	2.447	2.349	2.252	4.04905	0.417039633	2	1	500	525	9709.029264	193.241	475	425	450		0	257.54	466512.75	466512.75	475	6447731.173	-37.5
L1	0.05	3.474	2.725	2.316	1.936	1.731	1.501	1.34	1.251	1.106	1.045	0.962	0.928	0.847	0.829	0.782	0.762	0.714	0.689	0.676	0.649	1.31315	0.122548919	3	1	525	550	10715.31281	-142.003	487.5	425	450		0	113.693	466510.875	466510.875	487.5	6447733.004	-50
L1	0.05	8.262	7.111	6.3	5.669	5.196	4.695	4.337	4.127	3.819	3.517	3.332	3.214	3.004	2.857	2.708	2.572	2.47	2.316	2.266	2.214	3.9993	0.322029984	4	1	550	575	12419.02992	12.753	500	425	450		0	65.885	466509	466509	500	6447734.835	-62.5
L1	0.05	7.954	6.54	5.762	5.157	4.916	4.265	3.704	3.7	3.382	3.055	2.874	2.77	2.745	2.404	2.392	2.181	2.358	2.013	1.943	1.932	3.60235	0.491189038	5	1	575	600	7333.938094	-35.852	512.5	425	450		0	22.233	466507.125	466507.125	512.5	6447736.665	-75
L1	0.05	8.817	7.148	6.507	5.48	5.314	4.617	4.314	4.082	3.527	3.189	3.468	3.177	2.965	2.653	2.684	2.582	2.403	2.096	1.925	2.102	3.9525	0.375661323	6	1	600	625	10521.44512	55.556	525	425	450		0	19.935	466505.25	466505.25	525	6447738.496	-87.5
L1	0.05	6.448	4.87	4.679	3.889	4.283	3.843	3.727	3.05	2.966	2.88	2.828	2.306	1.948	2.159	1.732	1.642	2.029	1.671	1.826	1.778	3.0277	0.456480333	7	1	625	650	6632.706339	53.95	537.5	425	450		0	8.378	466503.375	466503.375	537.5	6447740.327	-100
L1	0.05	6.427	3.482	3.777	3.143	3.263	2.587	2.181	1.933	2.057	2.389	2.321	2.147	1.986	2.179	2.605	1.826	2.218	1.145	0.463	1.324	2.47265	0.529755903	8	1	650	675	4667.527037	-80.711	550	425	450		0	4.127	466501.5	466501.5	550	6447742.157	-112.5
L1	0.05	9.932	6.223	4.918	4.567	6.814	4.157	3.316	2.443	4.661	3.993	4.961	4.069	4.667	2.705	2.221	1.99	0.377	2.294	1.327	2.798	3.92165	1.366098652	9	1	675	700	2870.693119	82.239	562.5	425	450		0	1.846	466499.625	466499.625	562.5	6447743.988	-125

L1	0.05	15.01	13.891	9.953	10.263	12.006	9.945	7.614	9.308	7.445	7.316	7.782	5.86	7.245	6.965	5.338	6.543	7.177	5.479	4.272	2.408	8.091	1.469751349	10	1	700	725	5505.012807	-16.196	575	425	450		0	2.655	466497.75	466497.75	575	6447745.819	-137.5
L1	0.05	1.012	0.445	0.135	-0.142	-0.309	-0.415	-0.452	-0.532	-0.554	-0.489	-0.512	-0.533	-0.477	-0.502	-0.403	-0.484	-0.317	-0.41	-0.37	-0.292	-0.28005	-0.367600211	1	1	500	525	761.8330769	154.567	487.5	450	475		0	80.833	466495.875	466495.875	487.5	6447747.65	-25
L1	0.05	-31.061	-29	-27.836	-25.826	-24.134	-22.642	-21.27	-19.588	-18.858	-17.897	-16.771	-16.239	-15.248	-14.188	-13.687	-12.113	-12.313	-11.456	-10.996	-10.734	-18.59285	-49.13725854	2	1	525	550	378.3859856	-140.491	500	450	475		0	-10.037	466494	466494	500	6447749.48	-37.5
L1	0.05	10.08	8.891	7.453	7.149	6.543	6.169	5.393	5.338	4.599	4.365	4.521	4.401	3.881	3.543	3.4	3.534	2.999	3.11	2.648	2.455	5.0236	3.899484342	3	1	550	575	1288.272899	13.058	512.5	450	475		0	-13.669	466492.125	466492.125	512.5	6447751.311	-50
L1	0.05	9.934	8.405	5.75	7.096	5.45	6.076	4.684	4.559	5.129	3.773	4.83	3.109	3.425	2.962	2.663	3.597	1.384	3.157	1.697	2.309	4.49945	6.474185957	4	1	575	600	694.9831268	-39.505	525	450	475		0	-3.687	466490.25	466490.25	525	6447753.142	-62.5
L1	0.05	13.804	13.401	8.967	9.924	7.13	7.112	6.806	8.302	6.894	4.776	5.22	5.676	5.012	3.748	3.174	5.38	2.885	4.097	3.848	3.451	6.48035	6.576942851	5	1	600	625	985.3134119	63.12	537.5	450	475		0	-2.987	466488.375	466488.375	537.5	6447754.972	-75
L1	0.05	2.312	6.641	7.367	6.956	3.252	8.151	3.839	6.82	9.367	2.206	1.891	1.843	2.512	1.301	-0.001	8.473	-2.32	-0.514	1.163	-1.414	3.49225	5.758722388	6	1	625	650	606.4279131	27.779	550	450	475		0	-1.149	466486.5	466486.5	550	6447756.803	-87.5
L1	0.05	8.176	11.419	-2.946	0.536	1.029	7.391	6.504	5.506	6.668	1.479	14.963	-1.074	1.308	-0.105	-5.17	1.008	1.636	-5.789	-4.979	2.593	2.50765	5.305693721	7	1	650	675	472.6337652	-64.011	562.5	450	475		0	-0.597	466484.625	466484.625	562.5	6447758.634	-100
L1	0.05	20.608	2.875	-4.147	4.196	2.135	4.101	-4.238	6.969	18.987	7.727	19.544	-12.223	1.858	6.311	-16.383	-2.792	-14.676	-9.567	-3.396	-8.482	0.97035	2.822295304	8	1	675	700	343.8159	78.564	575	450	475		0	-0.304	466482.75	466482.75	575	6447760.465	-112.5
L1	0.05	22.918	18.853	7.795	7.839	11.692	4.694	7.509	4.775	12.331	6.047	8.879	-0.564	4.683	6.689	-3.394	9.258	-10.637	1.493	0.495	-2.139	5.9608	7.887024856	9	1	700	725	755.7729447	-33.851	587.5	450	475		0	-0.486	466480.875	466480.875	587.5	6447762.295	-125
L1	0.05	8.383	13.322	7.303	10.687	9.255	9.589	8.333	12.763	19.859	14.558	14.93	6.55	10.753	10.771	8.279	12.79	7.704	0.683	-4.587	-1.366	9.02795	7.342444011	10	1	725	750	1229.556533	66.049	600	450	475		0	-0.593	466479	466479	600	6447764.126	-137.5
L1	0.1	8.044	7.096	6.378	5.779	5.308	4.906	4.573	4.248	3.999	3.754	3.517	3.341	3.176	3.002	2.843	2.721	2.592	2.481	2.363	2.268	4.11945	2.6580185	1	1	525	550	1549.819913	-145.202	512.5	475	500		0	328.882	466477.125	466477.125	512.5	6447765.957	-25
L1	0.1	7.784	6.785	6.049	5.449	4.975	4.561	4.288	3.966	3.742	3.504	3.299	3.126	2.956	2.847	2.691	2.563	2.435	2.379	2.251	2.165	3.89075	1.792475279	2	1	550	575	2170.601763	6.605	525	475	500		0	115.154	466475.25	466475.25	525	6447767.787	-37.5
L1	0.1	7.679	6.643	5.705	5.18	4.603	4.141	4.122	3.502	3.369	3.205	2.977	2.906	2.613	2.352	2.224	2.25	1.858	2.158	1.923	1.87	3.564	2.451474149	3	1	575	600	1453.819124	-35.295	537.5	475	500		0	30.851	466473.375	466473.375	537.5	6447769.618	-50
L1	0.1	7.972	6.949	6.302	5.466	5.181	4.558	4.402	3.889	3.818	3.611	3.353	3.137	2.897	2.96	2.672	2.511	2.209	2.262	2.022	2.128	3.91495	1.588546775	4	1	600	625	2464.485189	59.184	550	475	500		0	26.149	466471.5	466471.5	550	6447771.449	-62.5
L1	0.1	6.573	5.04	4.746	3.923	4.003	3.268	3.748	2.765	3.255	2.528	2.426	2.082	2.325	2.113	2.075	2.292	1.866	2.096	1.76	1.573	3.02285	1.762785125	5	1	625	650	1714.814788	30.595	562.5	475	500		0	10.397	466469.625	466469.625	562.5	6447773.28	-75
L1	0.1	5.424	3.937	4.128	2.629	2.479	1.583	2.52	2.151	2.715	2.231	1.312	1.435	2.047	1.627	0.527	1.629	0.805	2.559	1.495	0.731	2.1982	1.732501366	6	1	650	675	1268.801308	-65.667	575	475	500		0	4.808	466467.75	466467.75	575	6447775.11	-87.5
L1	0.1	6.031	5.999	5.054	6.3	4.917	4.644	5.497	2.427	5.558	4.65	1.039	3.472	0.682	3.124	4.897	4.109	3.665	4.863	1.834	1.989	4.03755	5.151483409	7	1	675	700	783.7645352	77.388	587.5	475	500		0	1.98	466465.875	466465.875	587.5	6447776.941	-100
L1	0.1	11.416	9.055	7.894	8.087	6.374	6.392	8.625	4.099	5.189	4.782	4.679	5.052	3.954	3.178	2.388	6.004	3.401	3.812	2.718	2.775	5.4937	3.599479276	8	1	700	725	1526.248543	-29.284	600	475	500		0	2.699	466464	466464	600	6447778.772	-112.5
L1	0.1	10.667	9.039	8.578	8.903	6.557	5.858	7.994	5.194	7.404	5.737	5.229	5.663	3.162	4.706	3.947	5.18	2.637	4.307	4.2	2.942	5.8952	2.63807236	9	1	725	750	2234.661978	59.534	612.5	475	500		0	2.874	466462.125	466462.125	612.5	6447780.602	-125
L1	0.1	7.891	4.792	5.275	4.73	3.156	1.56	3.497	0.516	4.59	0.825	2.244	-1.764	2.395	2.112	3.353	1.518	2.328	3.979	3.654	1.295	2.8973	2.602108327	10	1	750	775	1113.443268	-39.414	625	475	500		0	1.074	466460.25	466460.25	625	6447782.433	-137.5
L1	0.2	6.675	5.829	5.193	4.703	4.292	3.959	3.677	3.439	3.219	3.036	2.868	2.712	2.578	2.452	2.338	2.242	2.142	2.056	1.974	1.899	3.36415	1.545553017	1	1	550	575	2176.664251	6.085	537.5	500	525		0	923.805	466458.375	466458.375	537.5	6447784.264	-25
L1	0.2	5.997	5.164	4.467	4.016	3.627	3.31	3.052	2.859	2.611	2.503	2.313	2.17	2.066	1.962	1.858	1.812	1.7	1.669	1.598	1.511	2.81325	2.262629209	2	1	575	600	1243.354408	-32.444	550	500	525		0	131.924	466456.5	466456.5	550	6447786.094	-37.5
L1	0.2	6.571	5.718	4.986	4.484	3.934	3.668	3.392	3.2	2.881	2.745	2.555	2.353	2.207	2.036	1.965	1.96	1.787	1.756	1.638	1.53	3.0683	1.331207349	3	1	600	625	2304.900136	50.079	562.5	500	525		0	97.823	466454.625	466454.625	562.5	6447787.925	-50
L1	0.2	4.846	4.078	3.37	3.104	2.75	2.643	2.33	2.31	1.974	1.97	1.699	1.674	1.601	1.435	1.296	1.466	1.182	1.257	1.385	1.161	2.17655	1.314095411	4	1	625	650	1656.310479	39.907	575	500	525		0	35.148	466452.75	466452.75	575	6447789.756	-62.5
L1	0.2	3.333	2.612	2.121	2.215	1.843	1.964	1.734	1.578	1.537	1.694	1.428	1.119	1.046	1.008	0.788	1.069	0.96	0.951	1.011	0.694	1.53525	1.212727579	5	1	650	675	1265.947957	-68.15	587.5	500	525		0	15.351	466450.875	466450.875	587.5	6447791.587	-75
L1	0.2	5.422	4.683	4.096	2.955	2.828	2.764	2.899	3.007	2.357	2.418	3.225	1.699	1.885	1.901	2.069	3.038	1.797	2.265	1.945	1.446	2.73495	3.408593602	6	1	675	700	802.3690469	76.304	600	500	525		0	6.081	466449	466449	600	6447793.417	-87.5
L1	0.2	10.266	9.038	7.413	7.198	5.901	6.086	5.779	5.329	4.107	4.923	4	3.704	3.868	3.035	3.367	3.213	2.322	3.487	3.652	2.691	4.96895	3.059445294	7	1	700	725	1624.134287	-31.711	612.5	500	525		0	8.206	466447.125	466447.125	612.5	6447795.248	-100
L1	0.2	10.511	9.236	7.131	6.883	5.968	5.701	5.514	5.387	4.586	5.065	3.836	3.203	3.757	2.978	2.549	3.332	2.682	3.046	2.818	3.402	4.87925	1.970406122	8	1	725	750	2476.266161	62.198	625	500	525		0	8.758	466445.25	466445.25	625	6447797.079	-112.5
L1	0.2	7.644	7.356	5.15	2.834	2.717	2.143	3.521	1.511	1.059	1.219	1.072	0.781	1.066	-0.966	0.898	1.045	1.008	3.554	1.591	-0.106	2.25485	1.799543174	9	1	750	775	1253.012449	-48.978	637.5	500	525		0	3.223	466443.375	466443.375	637.5	6447798.909	-125
L1	0.2	7.422	6.862	4.412	3.695	2.781	2.742	3.388	4.116	2.811	1.549	4.219	1.165	1.911	0.811	2.214	3.032	2.534	3.058	5.317	2.689	3.3364	2.257600426	10	1	775	800	1477.852308	75.885	650	500	525		0	2.851	466441.5	466441.5	650	6447800.74	-137.5
L1	0.2	4.331	3.684	3.234	2.899	2.624	2.406	2.178	2.027	1.891	1.749	1.63	1.573	1.491	1.396	1.303	1.251	1.187	1.142	1.072	1.051	2.00595	2.282388955	1	1	575	600	878.8817506	-35.449	562.5	525	550		0	373.009	466439.625	466439.625	562.5	6447802.571	-25
L1	0.2	5.608	4.88	4.31	3.85	3.47	3.195	2.898	2.733	2.525	2.362	2.228	2.119	1.954	1.909	1.767	1.731	1.585	1.527	1.445	1.391	2.67435	1.415418045	2	1	600	625	1889.441786	33.168	575	525	550		0	200.476	466437.75	466437.75	575	6447804.402	-37.5
L1	0.2	3.054	2.523	2.268	2.077	1.761	1.598	1.511	1.356	1.396	1.097	1.043	1.155	1.178	1.036	0.935	0.933	0.855	0.717	0.66	0.81	1.39815	0.976843397	3	1	625	650	1431.293905	37.582	587.5	525	550		0	60.746	466435.875	466435.875	587.5	6447806.232	-50
L1	0.2	1.6	1.436	1.426	1.378	0.923	1.276	0.941	0.743	0.688	0.807	0.948	0.778	0.45	0.621	0.493	0.781	0.397	0.547	0.449	0.53	0.8606	0.774556756	4	1	650	675	1111.087074	-67.472	600	525	550		0	23.578	466434	466434	600	6447808.063	-62.5

L1	0.2	4.269	3.406	3.468	3.061	2.843	2.055	2.42	2.153	1.724	1.428	1.06	2.137	1.604	1.677	1.073	1.206	0.822	0.92	1.205	0.982	1.97565	2.81316480 6	5	1	675	700	702.287329 7	73.744	612.5	525	550		0	8.516	466432.125	466432.125	612.5	6447809.894	-75
L1	0.2	8.56	7.819	6.484	5.528	5.26	4.651	4.686	4.641	4.263	3.363	3.03	4.192	4.045	3.505	3.141	3.149	2.768	2.38	2.357	2.772	4.3297	2.95355174 3	6	1	700	725	1465.929964	-35.934	625	525	550		0	11.11	466430.25	466430.25	625	6447811.724	-87.5
L1	0.2	9.141	7.925	7.068	6.536	5.43	5.482	4.528	4.278	4.235	3.154	3.634	4.357	3.665	3.254	3.313	3.173	2.441	2.778	2.725	2.547	4.4832	1.94717938 7	7	1	725	750	2302.407282	69.496	637.5	525	550		0	11.633	466428.375	466428.375	637.5	6447813.555	-100
L1	0.2	6.172	5.88	6.259	2.995	2.531	1.974	2.898	3.031	1.969	0.388	1.137	2.919	1.319	2.055	0.652	1.336	1.022	1.829	0.754	-0.102	2.3509	1.98061169 7	8	1	750	775	1186.956536	-48.411	650	525	550		0	4.198	466426.5	466426.5	650	6447815.386	-112.5
L1	0.2	5.129	4.245	3.202	5.645	3.275	3.312	1.499	2.676	2.914	1.925	3.032	4.533	3.553	3.132	3.84	3.2	1.639	2.712	3.363	1.409	3.21175	2.29543397 7	9	1	775	800	1399.190755	56.335	662.5	525	550		0	3.599	466424.625	466424.625	662.5	6447817.217	-125
L1	0.2	5.238	5.378	6.421	5.187	4.258	2.987	2.875	3.171	1.981	-0.449	1.835	3.163	0.674	1.559	1.907	0.941	3.778	-0.445	-0.048	1.382	2.58965	1.29157844 7	10	1	800	825	2005.027263	3.031	675	525	550		0	3.868	466422.75	466422.75	675	6447819.047	-137.5
L1	0.05	4.376	3.828	3.28	2.984	2.71	2.412	2.278	2.103	1.96	1.846	1.674	1.61	1.539	1.458	1.365	1.253	1.171	1.088	1.026	1.037	2.0499	0.95731980 6	1	1	600	625	2141.290703	36.332	587.5	550	575		0	227.198	466420.875	466420.875	587.5	6447820.878	-25
L1	0.05	0.848	0.693	0.535	0.452	0.404	0.183	0.037	-0.026	-0.005	-0.318	0.125	-0.02	0	-0.197	-0.242	-0.241	-0.349	0.13	-0.193	0.008	0.0912	0.06116855 4	2	1	625	650	1490.962174	35.275	600	550	575		0	39.549	466419	466419	600	6447822.709	-37.5
L1	0.05	-0.728	-1.014	-0.837	-0.033	-0.507	-0.447	-0.672	-0.76	-0.158	-0.321	-0.09	-0.511	0.108	0.382	-0.375	-0.514	-0.453	-0.35	-0.701	0.059	-0.3961	-0.34462907 2	3	1	650	675	1149.351672	-73.172	612.5	550	575		0	12.195	466417.125	466417.125	612.5	6447824.539	-50
L1	0.05	1.796	2.817	0.137	2.784	3.646	2.983	2.039	2.642	2.767	1.245	4.073	1.9	2.29	-0.471	0.651	2.452	-0.583	2.623	-0.267	1.219	1.83715	3.04384242 9	4	1	675	700	603.562780 6	74.763	625	550	575		0	3.202	466415.25	466415.25	625	6447826.37	-62.5
L1	0.05	3.563	4.783	3.474	2.901	2.006	-0.323	4.021	2.155	3.203	4.305	0.376	4.377	3.71	1.597	0.55	1.06	-1.23	-0.036	1.36	2.072	2.1962	1.93766886 2	5	1	700	725	1133.423798	-32.316	637.5	550	575		0	3.436	466413.375	466413.375	637.5	6447828.201	-75
L1	0.05	7.745	9.565	8.025	5.637	0.484	1.972	4.174	1.987	5.646	5.99	1.781	4.049	2.29	2.069	2.864	4.729	0.486	-0.023	-0.4	0.933	3.50015	2.13858115 7	6	1	725	750	1636.669242	67.222	650	550	575		0	3.101	466411.5	466411.5	650	6447830.031	-87.5
L1	0.05	-5.799	-2.058	-9.292	-15.509	-13.494	-17.47	-6.503	-11.245	-11.257	-25.064	-10.505	-13.82	-11.02	-10.278	-1.048	10.634	10.836	9.408	3.65	1.438	-6.4198	-7.628476636	7	1	750	775	841.5572737	-46.863	662.5	550	575		0	1.063	466409.625	466409.625	662.5	6447831.862	-100
L1	0.05	16.315	26.267	16.483	12.164	11.764	12.331	6.397	13.411	17.209	23.232	19.432	19.266	4.996	-10.291	-10.817	-11.78	-15.39	-8.864	-7.243	-15.839	5.95215	5.33758223 2	8	1	775	800	1115.139728	47.203	675	550	575		0	0.986	466407.75	466407.75	675	6447833.693	-112.5
L1	0.05	10.456	5.692	9.232	-1.073	6.44	5.956	0.182	4.607	-0.305	-0.912	5.015	8.74	-4.233	-1.594	7.77	10.323	4.837	4.335	2.487	-2.169	3.7893	2.35886777 1	9	1	800	825	1606.40628	-29.442	687.5	550	575		0	1.033	466405.875	466405.875	687.5	6447835.524	-125
L1	0.05	-11.999	-0.084	0.741	-9.34	-8.278	-24.056	-10.485	9.849	-13.785	3.827	12.148	3.998	-11.752	-14.314	-8.759	3.701	18.442	12.02	-10.25	11.802	-2.3287	-2.06074015	10	1	825	850	1130.030877	95.779	700	550	575		0	0.545	466404	466404	700	6447837.354	-137.5
L1	0.05	4.521	3.834	3.35	2.976	2.682	2.438	2.222	2.058	1.908	1.766	1.64	1.549	1.434	1.359	1.3	1.224	1.152	1.098	1.05	1.027	2.0294	0.61073443 1	1	1	625	650	3322.884541	20.268	612.5	575	600		0	352.569	466402.125	466402.125	612.5	6447839.185	-25
L1	0.05	3.202	2.676	2.371	2.074	1.842	1.709	1.581	1.408	1.294	1.276	1.172	1.119	1.059	1.008	0.916	0.764	0.854	0.799	0.74	0.704	1.4284	0.49383495 3	2	1	650	675	2892.464356	-71.557	625	575	600		0	76.725	466400.25	466400.25	625	6447841.016	-37.5
L1	0.05	3.412	2.49	2.264	2.105	2.059	1.989	1.57	1.548	1.381	1.092	1.129	1.156	0.608	0.427	0.766	0.674	0.531	0.46	0.468	0.835	1.3482	1.00230144 9	3	1	675	700	1345.104311	72.824	637.5	575	600		0	14.272	466398.375	466398.375	637.5	6447842.846	-50
L1	0.05	6.2	5.353	4.657	4.392	3.786	3.288	3.154	3.111	2.796	2.964	2.84	2.597	2.504	2.51	2.264	1.767	2.269	1.855	1.443	1.441	3.05955	1.34622351 1	4	1	700	725	2272.690957	-27.077	650	575	600		0	12.057	466396.5	466396.5	650	6447844.677	-62.5
L1	0.05	7.11	5.907	5.308	4.597	4.095	4.27	4.04	3.875	3.424	3.941	2.677	2.688	2.284	2.261	2.538	2.204	2.879	2.281	1.604	2.283	3.5133	1.23228610 3	5	1	725	750	2851.042457	67.172	662.5	575	600		0	8.643	466394.625	466394.625	662.5	6447846.508	-75
L1	0.05	3.422	2.622	2.161	3.51	1.003	0.284	-1.022	3.124	2.936	3.624	1.162	0.003	-0.175	-0.736	-1.575	1.456	-0.078	-2.963	-0.772	-1.57	0.8208	0.57598931 8	6	1	750	775	1425.026428	-46.502	675	575	600		0	2.7	466392.75	466392.75	675	6447848.339	-87.5
L1	0.05	9.238	6.413	5.679	6.567	3.406	3.302	1.45	3.313	1.81	3.256	1.512	-0.592	-0.313	2.542	2.398	0.438	3.592	2.271	1.177	2.371	2.9915	1.45501223 1	7	1	775	800	2055.996463	36.289	687.5	575	600		0	2.597	466390.875	466390.875	687.5	6447850.169	-100
L1	0.05	4.474	2.436	0.144	4.579	3.432	2.752	1.176	3.088	1.09	4.244	1.523	0.463	-0.029	0.138	1.375	0.221	2.591	3.676	1.234	0.484	1.95455	0.66113298 9	8	1	800	825	2956.364351	-36.154	700	575	600		0	2.614	466389	466389	700	6447852	-112.5
L1	0.05	12.676	10.718	11.512	13.58	6.103	7.767	3.019	3.951	5.508	8.945	6.102	5.22	2.544	4.425	-1.067	2.113	0.484	1.739	2.418	1.539	5.4648	2.54463515 1	9	1	825	850	2147.57703	37.32	712.5	575	600		0	1.381	466401.5	466401.5	712.5	6447853.831	-125
L10	0.05	3.357	2.889	2.583	2.316	2.114	1.964	1.836	1.653	1.575	1.465	1.392	1.298	1.245	1.217	1.195	1.088	1.026	1.002	0.925	0.866	1.6503	2.07062340 7	1	1	0	25	797.006348 3	24.246	-12.5	-50	-25		0	84.565	467364.5	467364.5	-12.5	6448221.5	-25
L10	0.05	4.624	4.028	3.468	3.134	2.76	2.504	2.29	2.228	2.031	1.85	1.638	1.619	1.414	1.357	1.256	1.178	1.288	1.125	1.05	1.077	2.09595	1.34016633 7	2	1	25	50	1563.947655	12.347	0	-50	-25		0	41.485	467377	467377	0	6448234	-37.5
L10	0.05	3.972	3.467	2.975	2.607	2.363	2.127	1.858	1.781	1.893	1.583	1.426	1.272	1.25	1.269	1.5	0.932	0.702	1.336	1.132	1.053	1.8249	1.77396155 5	3	1	50	75	1028.714514	-46.632	12.5	-50	-25		0	10.915	467374.5694	467374.5694	12.5	6448236.361	-50
L10	0.05	2.932	3.887	2.488	2.566	1.634	2.722	1.895	1.921	2.637	2.245	1.567	1.948	0.728	1.108	0.57	1.271	1.634	0.913	1.068	2.182	1.8958	2.72119355 3	4	1	75	100	696.6795869	10.669	25	-50	-25		0	3.696	467372.1389	467372.1389	25	6448238.722	-62.5
L10	0.05	5.778	4.393	3.805	3.223	2.741	2.258	3.021	2.442	1.508	2.023	1.826	1.782	1.654	1.921	2.226	1.457	1.003	0.697	0.626	0.577	2.24805	1.19143613	5	1	100	125	1886.840548	39.237	37.5	-50	-25		0	5.72	467369.7083	467369.7083	37.5	6448241.083	-75
L10	0.05	4.842	2.842	1.502	-0.922	1.138	1.333	1.202	-1.008	1.196	2.285	0.241	2.099	4.955	0.812	4.139	2.35	1.029	2.02	0.06	-0.935	1.559	1.89713548 9	6	1	125	150	821.76524	194.18	50	-50	-25		0	1.557	467367.2778	467367.2778	50	6448243.444	-87.5
L10	0.05	6.148	-0.938	2.898	-6.309	-0.981	-0.146	3.774	-0.684	-3.72	3.821	-1.328	-4.893	-1.597	5.446	3.116	2.132	4.277	-1.088	-1.371	1.604	0.50805	0.56243248 6	7	1	150	175	903.3084189	-188.604	62.5	-50	-25		0	1.141	467364.8472	467364.8472	62.5	6448245.806	-100
L10	0.05	7.124	3.221	4.167	1.575	0.93	2.776	3.01	-0.141	0.826	3.546	2.779	0.522	1.397	3.812	3.526	1.725	2.231	-0.874	1.288	-2.618	2.0411	0.54721911 3	8	1	175	200	3729.950126	11.294	75	-50	-25		0	3.298	467362.4167	467362.4167	75	6448248.167	-112.5
L10	0.05	8.305	2.564	3.136	-2.992	1.864	0.258	1.746	-0.344	0.289	2.302	2.029	0.271	0.863	1.997	2.398	-0.091	2.587	-2.641	-0.137	-3.17	1.0617	0.31491073 7	9	1	200	225	3371.431572	-7.097	87.5	-50	-25		0	2.168	467359.9861	467359.9861	87.5	6448250.528	-125
L10	0.05	7.532	0.492	6.305	2.102	1.93	1.261	-0.831	1.05	-1.219	2.621	3.332	-0.541	-0.188	6.063	3.767	0.816	2.705	0.285	1.796	-4.832	1.7223	0.59672709 5	10	1	225	250	2886.244003	-15.244	100	-50	-25		0	1.392	467357.5556	467357.5556	100	6448252.889	-137.5

L10	0.05	2.225	1.773	1.747	1.422	1.363	1.176	1.063	0.989	0.884	0.769	0.816	0.876	0.608	0.555	0.588	0.601	0.541	0.559	0.637	0.522	0.9857	1.133806301	1	1	25	50	868.6063864	14.44	12.5	-25	0		0	92.162	467355.125	467355.125	12.5	6448255.25	-25
L10	0.05	4.514	4.646	3.005	3.099	2.331	2.574	2.03	2.025	2.484	1.969	1.804	0.935	1.652	2.642	1.639	1.257	1.228	1.046	0.2	1.093	2.10865	3.967771757	2	1	50	75	531.4443797	-41.811	25	-25	0		0	14.097	467352.6944	467352.6944	25	6448257.611	-37.5
L10	0.05	10.955	2.325	-1.752	-0.348	7.507	0.541	-3.309	3.04	5.098	-9.744	9.061	7.145	-8.562	-2.31	1.193	-1.846	-1.658	-1.465	3.636	3.309	1.1408	5.05186308	3	1	75	100	225.8176799	9.041	37.5	-25	0		0	2.396	467350.2639	467350.2639	37.5	6448259.972	-50
L10	0.05	-1.606	3.273	2.04	3.161	0.843	2.065	3.631	0.957	3.531	2.553	-1.044	-1.093	3.866	3.931	2.551	1.783	1.963	1.373	-1.818	1.52	1.674	2.296572491	4	1	100	125	728.9123275	39.788	50	-25	0		0	3.867	467347.8333	467347.8333	50	6448262.333	-62.5
L10	0.05	9.91	-13.977	-5.069	-12.174	7.792	0.811	-5.444	-4.049	2.363	-8.06	1.959	8.218	-6.052	-17.76	-9.067	-7.968	-3.391	0.369	4.956	1.063	-2.7785	-9.6705923	5	1	125	150	287.3143561	112.139	62.5	-25	0		0	0.871	467345.4028	467345.4028	62.5	6448264.694	-75
L10	0.05	13.004	-31.845	-3.482	-9.677	13.228	-10.178	0.213	3.256	-5.364	-17.248	1.666	4.093	-16.925	-31.935	-15.954	-10.109	-14.53	-0.121	16.289	10.17	-5.27245	-16.90307952	6	1	150	175	311.9224514	-105.751	75	-25	0		0	0.591	467342.9722	467342.9722	75	6448267.056	-87.5
L10	0.05	0.785	-11.939	7.408	2.786	3.502	-3.064	9.185	-2.662	8.177	8.881	-0.132	0.104	9.373	1.641	-2.912	-3.036	-1.867	-0.404	-7.226	4.169	1.13845	0.901012178	7	1	175	200	1263.523433	8.514	87.5	-25	0		0	1.596	467340.5417	467340.5417	87.5	6448269.417	-100
L10	0.05	1.866	-3.574	5.458	3.003	5.437	-1.048	12.623	-0.812	1.667	11.615	-6.235	-1.433	10.883	-3.222	-2.711	-3.414	0.532	-0.154	-4.173	8.919	1.76135	1.446030945	8	1	200	225	1218.058304	-5.745	100	-25	0		0	1.077	467338.1111	467338.1111	100	6448271.778	-112.5
L10	0.05	-5.872	-7.58	11.101	6.841	7.618	10.174	20.38	-4.112	7.571	25.725	-4.262	4.563	19.935	4.673	0.024	-7.479	7.784	8.256	-19.978	14.71	5.0036	4.788045173	9	1	225	250	1045.01938	-9.366	112.5	-25	0		0	0.672	467335.6806	467335.6806	112.5	6448274.139	-125
L10	0.05	-32.226	11.332	22.686	27.272	2.88	4.282	25.358	3.3	3.089	47.112	-23.45	-20.444	33.102	20.867	-9.911	-14.675	7.553	-5.819	-22.773	-4.041	3.7747	4.407969504	10	1	250	275	856.3353255	62.718	125	-25	0		0	0.413	467333.25	467333.25	125	6448276.5	-137.5
L10	0.05	3.308	2.697	2.446	2.26	1.747	1.711	1.455	1.698	1.48	1.157	1.238	1.003	1.042	0.917	0.824	0.832	0.75	0.445	0.512	0.377	1.39495	5.63435197	1	1	50	75	247.5794923	125.471	37.5	0	25		0	26.269	467330.8194	467330.8194	37.5	6448278.861	-25
L10	0.05	0.216	1.924	1.208	0.52	0.764	1.037	3.397	0.554	-0.011	1.619	-0.215	2.046	2.454	1.532	2.754	3.188	2.507	4.34	3.093	3.141	1.8034	13.33240544	2	1	75	100	135.2644133	-163.55	50	0	25		0	3.588	467328.3889	467328.3889	50	6448281.222	-37.5
L10	0.05	8.524	7.791	4.557	5.784	2.386	3.588	4.24	6.24	3.119	2.306	0.882	1.167	2.454	0.086	2.843	1.984	-0.417	0.878	-2.332	-0.029	2.80255	7.281091834	3	1	100	125	384.9079319	38.938	62.5	0	25		0	4.084	467325.9583	467325.9583	62.5	6448283.583	-50
L10	0.05	0.912	2.451	2.996	1.248	6.211	2.006	3.092	-4.3	-1.889	0.079	1.122	-0.736	5.915	2.747	-1.163	2.236	6.482	5.761	3.053	11.253	2.4738	13.99138231	4	1	125	150	176.8088345	92.685	75	0	25		0	0.938	467323.5278	467323.5278	75	6448285.944	-62.5
L10	0.05	5.665	5.616	2.816	3.525	-1.543	8.026	2.202	6.001	6.754	3.752	3.016	-7.075	1.246	-12.183	6.226	-0.553	-8.064	-8.96	-5.46	-2.316	0.43455	2.557957671	5	1	150	175	169.8816227	-84.937	87.5	0	25		0	0.515	467321.0972	467321.0972	87.5	6448288.306	-75
L10	0.05	2.256	5.277	6.531	7.878	-1.368	3.707	-2.017	4.319	3.178	4.442	4.669	-3.589	2.35	-0.607	2.703	-0.261	-3.735	-4.105	-0.63	-0.577	1.52105	2.012525158	6	1	175	200	755.7917942	7.313	100	0	25		0	1.432	467318.6667	467318.6667	100	6448290.667	-87.5
L10	0.05	-2.027	3.871	11.663	-5.546	8.212	8.425	2.047	-6.108	7.516	5.058	7.781	-0.537	6.907	0.641	5.43	2.303	2.506	-4.421	2.904	2.029	2.9327	4.327563618	7	1	200	225	677.6792345	-5.048	112.5	0	25		0	0.856	467316.2361	467316.2361	112.5	6448293.028	-100
L10	0.05	-9.278	5.663	12.563	0.948	3.929	5.049	-6.38	-14.675	3.772	8.297	13.645	-0.502	8.17	0.094	-2.515	-0.487	-6.544	7.815	12.575	9.268	2.57035	4.208682181	8	1	225	250	610.7256119	-10.749	125	0	25		0	0.54	467313.8056	467313.8056	125	6448295.389	-112.5
L10	0.05	-12.461	-7.88	12.842	-14.333	-0.16	26.749	-13.351	-23.105	10.967	16.681	14.96	-18.263	12.186	10.804	-11.113	3.493	7.466	-5.566	1.428	13.698	1.2521	2.500506986	9	1	250	275	500.7384531	47.276	137.5	0	25		0	0.322	467311.375	467311.375	137.5	6448297.75	-125
L10	0.05	-97.878	-30.691	17.187	-188.85	108.391	-82.832	8.931	-229.012	-86.593	-43.403	105.498	-29.456	141.725	-11.748	-46.373	-23.669	125.714	-6.501	93.017	33.661	-12.1441	-117.1390027	10	1	275	300	103.6725576	90.788	150	0	25		0	0.05	467308.9444	467308.9444	150	6448300.111	-137.5
L10	0.05	1.082	0.57	0.579	0.069	2.47	3.365	1.185	0.177	7.147	3.504	0.949	1.454	2.265	1.697	-0.572	1.026	0.614	1.091	1.161	0.457	1.5145	14.79273137	1	1	75	100	102.381363	-107.036	62.5	25	50		0	10.863	467306.5139	467306.5139	62.5	6448302.472	-25
L10	0.05	3.068	2.975	2.66	2.322	1.667	1.159	1.511	1.716	-0.327	0.645	1.247	1.067	0.83	0.799	1.352	0.899	0.874	0.766	0.603	0.929	1.3381	1.003114542	2	1	100	125	1333.945373	34.303	75	25	50		0	35.384	467304.0833	467304.0833	75	6448304.833	-37.5
L10	0.05	0.412	-0.749	0.202	-1.365	-0.957	-0.542	-0.7	-1.926	0.089	-0.281	-1.47	-1.563	0.788	-0.767	-0.719	-1.028	-1.552	-0.238	-2.088	-1.896	-0.8175	-1.516158783	3	1	125	150	539.1915471	74.285	87.5	25	50		0	5.721	467301.6528	467301.6528	87.5	6448307.194	-50
L10	0.05	-0.986	2.347	0.133	-0.133	1.553	1.619	0.051	3.515	0.128	2.481	3.391	1.343	-1.44	-0.073	-1.35	-0.359	-0.379	-1.06	-1.881	1.62	0.526	0.965910927	4	1	150	175	544.5636706	-66.256	100	25	50		0	2.889	467299.2222	467299.2222	100	6448309.556	-62.5
L10	0.05	3.912	2.876	1.657	-0.136	2.541	2.167	0.951	1.18	-0.672	0.636	1.097	0.492	-0.693	0.549	2.703	1.561	-0.981	1.331	0.145	0.69	1.1003	0.557976657	5	1	175	200	1971.946293	7.063	112.5	25	50		0	5.978	467296.7917	467296.7917	112.5	6448311.917	-75
L10	0.05	4.39	3.156	2.19	-1.339	0.794	3.099	-0.393	-0.645	1.229	0.731	1.777	-0.098	-0.487	-0.585	0.62	0.124	-3.17	1.543	0.534	0.031	0.67505	0.301441995	6	1	200	225	2239.402642	-5.566	125	25	50		0	4.243	467294.3611	467294.3611	125	6448314.278	-87.5
L10	0.05	4.443	5.303	0.285	0.6	1.955	2.698	-1.395	0.811	-0.165	1.078	2.126	-0.144	-2.939	-1.64	1.519	0.805	-3.003	0.223	-0.018	0.064	0.6303	0.324430993	7	1	225	250	1942.78603	-10.916	137.5	25	50		0	2.454	467291.9306	467291.9306	137.5	6448316.639	-100
L10	0.05	0.124	5.082	1.044	-1.9	-0.989	0.694	-4.825	-4.235	-8.746	-5.03	-1.47	-4.514	-10.163	-8.625	-5.108	-1.55	-3.538	-1.449	-4.977	-0.141	-3.0158	-1.805384328	8	1	250	275	1670.447646	37.489	150	25	50		0	1.477	467289.5	467289.5	150	6448319	-112.5
L10	0.05	4.013	13.973	-3.469	9.078	13.187	31.697	8.628	39.876	24.275	26.074	62.082	46.399	22.51	33.604	11.671	17.897	13.217	3.767	12.409	14.141	20.25145	48.77415915	9	1	275	300	415.2085931	53.961	162.5	25	50		0	0.267	467287.0694	467287.0694	162.5	6448321.361	-125
L10	0.2	2.874	2.469	2.137	1.91	1.737	1.587	1.448	1.377	1.304	1.459	1.45	1.137	1.046	0.983	0.941	0.878	0.84	0.819	0.776	0.746	1.3959	2.274034769	1	1	100	125	613.8428572	38.741	87.5	50	75		0	260.523	467284.6389	467284.6389	87.5	6448323.722	-25
L10	0.2	1.769	1.656	1.389	1.08	1.313	1.013	1.022	0.718	0.447	-2.237	-2.742	-0.259	-0.223	-0.227	0.036	-0.095	-0.194	-0.2	-0.005	-0.09	0.20855	0.828509894	2	1	125	150	251.7169698	62.459	100	50	75		0	26.708	467282.2083	467282.2083	100	6448326.083	-37.5
L10	0.2	-0.142	0.535	0.49	0.16	0.291	0.481	0.808	0.74	1.281	-0.125	1.027	1.137	0.458	0.536	0.499	0.122	0.416	0.91	0.337	0.271	0.5116	2.804207461	3	1	150	175	182.4401394	-55.514	112.5	50	75		0	7.743	467279.7778	467279.7778	112.5	6448328.444	-50
L10	0.2	2.566	3.527	1.951	1.16	2.289	1.781	2.646	1.568	1.212	0.469	1.363	1.392	0.548	0.885	1.438	0.425	0.05	1.202	0.862	1.012	1.4173	2.081963181	4	1	175	200	680.7517121	6.349	125	50	75		0	14.446	467277.3472	467277.3472	125	6448330.806	-62.5
L10	0.2	2.511	3.602	0.869	0.23	1.857	1.739	2.612	2.07	1.507	1.059	3.028	2.049	0.37	0.204	1.528	-0.185	-0.487	0.831	0.635	1.361	1.3695	2.164018959	5	1	200	225	632.8502781	-5.885	137.5	50	75		0	7.674	467274.9167	467274.9167	137.5	6448333.167	-75
L10	0.2	2.494	5.215	2.115	1.108	2.132	1.923	3.78	1.793	2.765	0.82	3.788	2.705	0.767	-0.017	0.723	-0.212	0.133	2.278	1.171	1.692	1.85865	3.228592547	6	1	225	250	575.6842874	-9.292	150	50	75		0	4.363	467272.4861	467272.4861	150	6448335.528	-87.5
L10	0.2	3.453	3.367	2.153	1.268	1.37	1.542	3.723	2.247	0.812	0.367	4.537	3.99	-0.574	1.598	1.224	1.508	-0.754	1.389	0.734	1.92	1.7937	3.685537693	7	1	250	275	486.6861091	31.613	162.5	50	75		0	2.459	467270.0556	467270.0556	162.5	6448337.889	-100

L10	0.2	6.86	2.006	-8.859	1.364	-4.548	1.337	-3.021	-1.766	1.129	5.356	-3.329	6.663	0.946	9.742	6.235	4.799	2.621	18.02	8.598	12.068	3.31105	30.41673733	8	1	275	300	108.8561854	42.35	175	50	75		0	0.385	467267.625	467267.625	175	6448340.25	-112.5
L10	0.05	-27.685	-24.703	-22.355	-20.241	-18.531	-17.379	-16.063	-15.196	-14.273	-14.13	-12.763	-12.255	-11.617	-13.096	-36.898	-27.164	-24.505	-16.944	-43.468	-40.318	-21.4792	-30.22324354	1	1	125	150	710.6848069	1.784	112.5	75	100		0	75.406	467265.1944	467265.1944	112.5	6448342.611	-25
L10	0.05	96.4	83.065	73.171	63.065	55.675	50.74	45.167	40.487	37.736	35.16	29.077	27.569	24.872	29.157	102.53	71.129	62.787	33.662	117.754	104.651	59.1927	102.3622878	2	1	150	175	578.2666766	10.446	125	75	100		0	15.339	467262.7639	467262.7639	125	6448344.972	-37.5
L10	0.05	3.97	3.423	3.443	3.305	3.08	3.251	2.659	2.358	2.458	1.696	1.13	1.376	2.343	1.998	1.726	1.2	1.898	1.5	2.48	1.184	2.3239	1.573839587	3	1	175	200	1476.579963	5.873	137.5	75	100		0	15.667	467260.3333	467260.3333	137.5	6448347.333	-50
L10	0.05	5.036	3.591	3.646	2.597	3.153	3.187	2.817	3.158	2.903	2.185	1.007	1.57	2.138	2.344	0.441	1.327	1.676	1.938	0.939	0.666	2.31595	1.616218936	4	1	200	225	1432.943241	-6.269	150	75	100		0	7.602	467257.9028	467257.9028	150	6448349.694	-62.5
L10	0.05	6.571	4.637	4.682	5.111	4.28	5.089	4.376	3.912	3.911	3.627	1.197	2.579	3.556	3.479	1.737	1.133	2.344	1.723	2.424	1.308	3.3838	2.52226865	5	1	225	250	1341.570019	-10.249	162.5	75	100		0	4.067	467255.4722	467255.4722	162.5	6448352.056	-75
L10	0.05	6.694	4.928	7.015	8.477	6.326	6.517	2.604	6.512	5.554	4.715	-0.764	2.105	5.867	4.463	0.885	1.783	4.711	4.973	4.51	1.147	4.4511	3.798876915	6	1	250	275	1171.688396	28.662	175	75	100		0	2.22	467253.0417	467253.0417	175	6448354.417	-87.5
L10	0.05	-28.563	-3.715	7.068	-1.632	25.844	3.862	12.786	-4.961	14.015	-14.836	-8.476	-10.559	-8.435	12.418	-10.055	0.15	-6.955	22.177	-10.828	-0.237	-0.5466	-2.067153595	7	1	275	300	264.4215705	33.862	187.5	75	100		0	0.334	467250.6111	467250.6111	187.5	6448356.778	-100
L10	0.05	3.594	3.049	2.718	2.44	2.068	1.689	1.807	1.711	1.697	1.582	1.46	1.474	1.357	1.33	1.19	1.185	0.842	0.947	0.933	0.921	1.6997	1.425439631	1	1	150	175	1192.404058	-39.186	137.5	100	125		0	126.518	467248.1806	467248.1806	137.5	6448359.139	-25
L10	0.05	4.673	4.322	3.712	3.35	3.443	3.555	2.944	2.606	2.386	2.123	2.066	2.069	1.814	1.978	1.498	1.671	1.839	1.629	1.46	1.406	2.5272	0.760485791	2	1	175	200	3323.13901	-0.556	150	100	125		0	88.149	467245.75	467245.75	150	6448361.5	-37.5
L10	0.05	5.521	4.802	3.841	3.684	3.185	2.507	2.845	2.417	2.59	2.154	2.13	2.453	1.962	2.259	1.443	2.059	1.257	1.514	1.295	1.217	2.55675	0.690349146	3	1	200	225	3703.560747	-5.781	162.5	100	125		0	39.296	467243.3194	467243.3194	162.5	6448363.861	-50
L10	0.05	7.094	6.273	4.986	4.875	4.15	3.676	3.784	3.443	3.377	2.53	2.627	3.045	2.394	2.989	1.517	2.08	1.418	2.061	1.615	1.939	3.29365	0.883251071	4	1	225	250	3729.007648	-12.201	175	100	125		0	19.783	467240.8889	467240.8889	175	6448366.222	-62.5
L10	0.05	6.754	5.866	4.835	4.209	3.654	3.739	3.902	3.544	2.451	2.401	2.654	2.898	2.856	3.445	1.874	3.036	1.294	1.52	1.333	1.688	3.19765	0.923038345	5	1	250	275	3464.265635	29.697	187.5	100	125		0	10.502	467238.4583	467238.4583	187.5	6448368.583	-75
L10	0.05	6.266	0.116	1.163	0.089	2.225	-4.282	2.439	-4.122	-4.411	0.134	0.497	0.516	1.738	5.112	0.413	3.173	-3.554	-4.745	-2.299	-1.417	-0.04745	-0.056189747	6	1	275	300	844.4601053	26.191	200	100	125		0	1.6	467236.0278	467236.0278	200	6448370.944	-87.5
L10	0.05	5.216	4.549	3.922	3.753	3.479	3.066	2.832	2.595	2.507	2.409	2.212	2.153	2.095	1.925	2.038	1.772	1.718	1.631	1.387	1.526	2.63925	3.672758209	1	1	175	200	718.6016204	7.877	162.5	125	150		0	76.246	467233.5972	467233.5972	162.5	6448373.306	-25
L10	0.05	5.396	4.969	5.06	4.076	3.713	3.111	2.918	2.459	2.353	2.299	2.148	2.214	1.938	1.608	1.85	1.671	1.647	1.549	1.037	1.431	2.67235	2.477328768	2	1	200	225	1078.722386	-7.195	175	125	150		0	28.614	467231.1667	467231.1667	175	6448375.667	-37.5
L10	0.05	7.251	6.089	5.596	5	4.701	4.013	3.236	2.396	2.916	2.83	2.919	2.655	2.459	1.984	2.309	2.226	2.311	2.184	1.53	1.827	3.3216	2.787571826	3	1	225	250	1191.574678	-14.984	187.5	125	150		0	12.643	467228.7361	467228.7361	187.5	6448378.028	-50
L10	0.05	5.844	6.135	5.823	5.329	4.418	3.598	3.303	2.15	2.29	2.969	2.533	2.703	2.544	1.879	2.727	1.474	2.674	1.545	0.377	1.718	3.10165	2.537357642	4	1	250	275	1222.393702	31.931	200	125	150		0	6.485	467226.3056	467226.3056	200	6448380.389	-62.5
L10	0.05	1.452	3.89	-5.79	-3.293	-0.626	-2.926	-1.404	-0.114	-1.599	1.575	0.941	4.114	2.451	1.405	2.111	0.448	6.998	5.511	-0.384	0.319	0.75395	2.361174131	5	1	275	300	319.3114773	23.435	212.5	125	150		0	0.968	467223.875	467223.875	212.5	6448382.75	-75
L10	0.05	5.284	4.48	3.895	3.52	3.183	2.916	2.671	2.395	2.24	2.105	1.933	1.814	1.721	1.638	1.506	1.454	1.328	1.272	1.254	1.208	2.39085	0.601352784	1	1	200	225	3975.786034	-6.575	187.5	150	175		0	421.844	467221.4444	467221.4444	187.5	6448385.111	-25
L10	0.05	7.955	6.709	5.999	5.264	4.729	4.072	4.077	3.79	3.514	3.214	3.052	2.807	2.615	2.485	2.402	2.134	1.948	1.938	1.984	1.832	3.626	0.832072921	2	1	225	250	4357.791134	-15.947	200	150	175		0	115.594	467219.0139	467219.0139	200	6448387.472	-37.5
L10	0.05	7.401	6.276	5.019	4.939	4.84	4.599	3.938	3.325	3.172	3.349	2.981	2.845	2.73	2.541	2.17	2.431	2.052	1.971	1.785	2.212	3.5288	0.719811806	3	1	250	275	4902.392504	31.924	212.5	150	175		0	52.016	467216.5833	467216.5833	212.5	6448389.833	-50
L10	0.05	3.581	2.927	5.306	2.103	1.5	-0.867	1.922	3.332	2.197	2.016	1.573	1.271	1.979	1.833	1.843	0.591	-0.008	1.908	1.593	0.411	1.85055	1.370581134	4	1	275	300	1350.193691	20.519	225	150	175		0	7.163	467214.1528	467214.1528	225	6448392.194	-62.5
L10	0.05	8.779	7.494	6.574	5.888	5.256	4.759	4.837	4.15	3.838	3.561	3.324	3.104	2.897	2.789	2.66	2.511	2.433	2.25	2.217	2.078	4.06995	2.998834085	1	1	225	250	1357.177451	-15.681	212.5	175	200		0	144.001	467211.7222	467211.7222	212.5	6448394.556	-25
L10	0.05	9.472	8.108	6.902	6.352	5.83	5.131	3.869	4.262	4.012	3.491	3.553	3.412	2.982	2.867	2.598	2.785	2.557	2.161	2.297	1.924	4.22825	1.895069862	2	1	250	275	2231.184235	32.002	225	175	200		0	59.184	467209.2917	467209.2917	225	6448396.917	-37.5
L10	0.05	4.183	5.466	4.117	4.009	2.805	3.136	2.895	3.078	3.085	2.646	3.409	1.61	0.634	1.831	1.015	1.931	2.67	1.385	1.199	0.864	2.5984	3.525560138	3	1	275	300	737.0176365	17.987	237.5	175	200		0	7.82	467206.8611	467206.8611	237.5	6448399.278	-50
L10	0.05	7.48	6.406	5.709	5.1	4.635	4.188	3.921	3.589	3.34	3.085	2.97	2.708	2.597	2.463	2.333	2.206	2.1	2.021	1.901	1.868	3.531	1.698865171	1	1	250	275	2078.446284	32.109	237.5	200	225		0	220.53	467204.4306	467204.4306	237.5	6448401.639	-25
L10	0.05	2.376	1.488	1.68	1.498	1.503	1.252	1.199	0.916	1.1	0.831	0.977	0.819	0.899	0.986	0.515	0.622	0.958	0.781	0.804	0.638	1.0921	1.478304359	2	1	275	300	738.7517957	16.368	250	200	225		0	19.596	467202	467202	250	6448404	-37.5
L10	0.05	4.459	3.663	3.448	2.868	2.646	2.337	2.059	1.975	1.779	1.651	1.496	1.451	1.327	1.277	1.283	1.472	1.156	1.049	0.977	0.961	1.9667	1.557856729	1	1	275	300	1262.439583	15.465	262.5	225	250		0	133.949	467214.5	467214.5	262.5	6448416.5	-25
L11	0.05	7.194	6.231	5.457	4.893	4.434	4.036	3.703	3.445	3.201	3.04	2.869	2.695	2.567	2.437	2.348	2.229	2.121	2.043	1.918	1.831	3.4346	1.688837297	1	1	0	25	2033.706863	18.311	-12.5	-50	-25		0	215.783	467462.5	467462.5	-12.5	6448400.5	-25
L11	0.05	3.835	2.969	2.84	2.629	2.986	3.35	3.687	4.106	4.296	4.534	4.361	4.352	4.107	3.566	2.663	2	1.146	0.682	-0.037	-0.507	2.87825	2.908161067	2	1	25	50	989.7147832	12.982	0	-50	-25		0	26.253	467475	467475	0	6448413	-37.5
L11	0.05	6.096	5.547	3.85	2.803	2.589	2.651	2.898	2.807	2.705	3.224	3.953	4.106	5.032	4.669	5.164	3.746	3.105	3.402	2.446	1.307	3.605	4.996112593	3	1	50	75	721.5610007	-64.823	12.5	-50	-25		0	7.656	467472.7822	467472.7822	12.5	6448415.089	-50
L11	0.05	-8.677	-9.453	-8.013	-5.446	-2.888	2.413	6.598	9.965	13.573	16.31	15.735	15.219	15.282	12.849	8.629	3.88	-1.922	-5.935	-10.837	-11.909	2.76865	3.889868761	4	1	75	100	711.7592316	15.766	25	-50	-25		0	3.776	467470.5644	467470.5644	25	6448417.178	-62.5
L11	0.05	-21.605	-22.578	-19.871	-15.799	-8.686	3.034	12.293	20.502	27.188	29.9	33.496	30.701	29.938	19.884	11.849	1.767	-7.642	-17.685	-23.729	-27.842	2.75575	5.64849138	5	1	100	125	487.8736311	-4.214	37.5	-50	-25		0	1.479	467468.3465	467468.3465	37.5	6448419.267	-75
L11	0.05	-81.704	-82.627	-68.752	-43.552	-32.589	6.339	32.603	60.398	68.666	74.42	92.187	86.031	89.316	42.499	32.977	-2.021	-31.2	-56.923	-76.409	-89.034	1.03125	3.808793629	6	1	125	150	270.7550213	49.719	50	-50	-25		0	0.513	467466.1287	467466.1287	50	6448421.356	-87.5
L11	0.05	-115.527	-114.642	-99.441	-66.921	-57.528	-4.23	18.349	55.449	67.194	105.728	101.767	102.216	94.885	52.318	37.381	-5.507	-29.038	-50.198	-92.355	-119.97	-6.0035	20.89043467	7	1	150	175	287.3803296	-39.167	62.5	-50	-25		0	0.363	467463.9109	467463.9109	62.5	6448423.446	-100
L11	0.05	231.412	180.388	88.938	0.615	-69.258	-158.644	-214.146	-260.586	-280.026	-231.251	-225.276	-164.526	-90.821	-7.775	92.526	144.689	204.558	256.743	266.836	255.233	0.98145	1.381834916	8	1	175	200	710.2512671	-0.65	75	-50	-25		0	0.628	467461.6931	467461.6931	75	6448425.535	-112.5

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L11	0.1	6.236	5.406	4.766	4.269	3.85	3.52	3.226	2.992	2.788	2.597	2.424	2.316	2.172	2.034	1.936	1.843	1.744	1.67	1.589	1.519	2.94485	3.556421358	1	1	100	125	828.0374297	-15.279	87.5	50	75		0	175.715	467388.505	467388.505	87.5	6448494.475	-25
L11	0.1	14.387	12.25	10.828	9.653	8.75	8.068	7.413	6.69	6.225	5.769	5.447	4.911	4.677	4.597	4.252	3.948	3.715	3.633	3.5	3.261	6.5987	14.99943904	2	1	125	150	439.9297857	73.864	100	50	75		0	23.339	467386.2871	467386.2871	100	6448496.564	-37.5
L11	0.1	-17.82	-15.647	-13.496	-12.281	-11.099	-10.117	-9.252	-8.474	-7.9	-7.399	-6.863	-6.379	-5.944	-5.431	-4.98	-4.694	-5.053	-4.27	-4.49	-3.815	-8.2702	-14.70457434	3	1	150	175	562.4236248	-68.349	112.5	50	75		0	11.935	467384.0693	467384.0693	112.5	6448498.653	-50
L11	0.1	3.81	3.139	2.725	2.513	2.108	2.254	1.849	1.537	1.361	1.796	1.265	1.125	0.776	1.445	0.823	1.215	0.79	0.909	1.033	0.556	1.65145	1.830018665	4	1	175	200	902.4224897	8.201	125	50	75		0	9.575	467381.8515	467381.8515	125	6448500.743	-62.5
L11	0.1	8.718	7.741	6.536	5.629	4.915	4.867	4.138	3.825	3.322	3.284	2.981	2.971	2.044	2.374	1.822	2.291	1.601	1.866	1.966	1.596	3.72435	1.67179265	5	1	200	225	2227.758329	83.266	137.5	50	75		0	13.507	467379.6337	467379.6337	137.5	6448502.832	-75
L11	0.1	3.569	4.229	4.506	3.303	2.972	2.126	2.685	2.359	2.188	1.527	1.901	2.481	1.513	1.392	1.659	2.795	-0.253	1.263	0.699	1.097	2.20055	1.864662716	6	1	225	250	1180.132997	-35.975	150	50	75		0	4.472	467377.4158	467377.4158	150	6448504.921	-87.5
L11	0.1	-29.933	-30.602	-24.435	-15.875	-13.681	-11.208	-13.169	-9.357	-6.249	-7.756	-11.499	-7.907	-7.925	-3.754	-6.576	-5.113	-9.243	-6.747	-5.507	-4.372	-11.5454	-41.43009289	7	1	250	275	278.6718347	29.03	162.5	50	75		0	0.704	467375.198	467375.198	162.5	6448507.01	-100
L11	0.1	-6.197	-9.212	-7.142	-3.428	-5.845	-5.385	1.301	0.3	-3.923	-5.395	-5.491	-5.746	-2.102	-1.837	-1.616	-1.427	-1.165	0.553	-4.218	0.115	-3.393	-6.243643449	8	1	275	300	543.4326972	56.732	175	50	75		0	0.961	467372.9802	467372.9802	175	6448509.099	-112.5
L11	0.1	-13.231	-6.703	-3.528	-8.026	-7.981	-6.099	-14.123	-7.216	-1.912	-3.688	-0.47	-0.62	-3.115	-0.519	-3.816	-0.224	-1.13	-5.992	-3.923	-3.312	-4.7814	-7.109088059	9	1	300	325	672.5757172	-31.304	187.5	50	75		0	0.865	467370.7624	467370.7624	187.5	6448511.188	-125
L11	0.1	-5.363	-0.103	1.26	1.159	-3.318	2.458	-5.416	-1.801	-6.743	-4.175	-5.744	1.888	2.617	0.145	1.873	-11.432	-8.914	-3.691	1.319	-6.556	-2.52685	-3.207022871	10	1	325	350	787.9114375	67.535	200	50	75		0	0.76	467368.5446	467368.5446	200	6448513.277	-137.5
L11	0.05	3.332	2.61	2.285	2.09	1.842	1.617	1.567	1.454	1.277	1.191	1.135	1.105	1.172	1.086	0.973	0.959	0.879	0.822	0.88	0.782	1.4529	2.618519464	1	1	125	150	554.8555281	67.814	112.5	75	100		0	58.872	467366.3267	467366.3267	112.5	6448515.366	-25
L11	0.05	2.145	2.593	2.135	1.719	1.56	1.419	1.133	1.084	1.006	0.883	0.885	0.805	0.406	0.129	0.456	0.497	0.402	0.289	0.285	0.099	0.9965	1.2711832	2	1	150	175	783.9153317	-58.871	125	75	100		0	20.794	467364.1089	467364.1089	125	6448517.455	-37.5
L11	0.05	2.026	1.302	1.48	1.33	1.192	1.186	1.179	1.35	0.491	0.781	1.142	0.643	1.398	0.471	0.585	0.989	0.266	0.266	0.667	0.847	0.97955	1.000996658	3	1	175	200	978.5746957	7.624	137.5	75	100		0	10.383	467361.8911	467361.8911	137.5	6448519.545	-50
L11	0.05	4.381	3.372	2.95	2.741	2.61	1.751	1.83	1.912	1.039	1.008	1.02	0.96	1.781	0.507	0.877	1.039	-0.002	-0.007	0.599	0.612	1.549	0.623971164	4	1	200	225	2482.486515	78.477	150	75	100		0	13.17	467359.6733	467359.6733	150	6448521.634	-62.5
L11	0.05	7.442	5.485	4.423	4.708	3.891	3.107	3.507	3.244	2.587	2.207	1.123	2.196	2.487	0.593	1.433	1.648	0.999	0.698	1.573	1.36	2.73555	2.028095376	5	1	225	250	1348.827098	-34.004	162.5	75	100		0	4.089	467357.4554	467357.4554	162.5	6448523.723	-75
L11	0.05	10.353	13.602	11.468	14.118	6.406	0.233	11.295	11.982	5.506	6.676	-0.123	5.684	5.786	1.483	0.482	5.786	-11.647	2.29	8.531	-2.373	5.3769	17.38501978	6	1	250	275	309.2835136	29.185	175	75	100		0	0.586	467355.2376	467355.2376	175	6448525.812	-87.5
L11	0.05	10.958	7.624	4.61	9.451	3.869	4.419	2.633	5.284	5.21	10.027	0.375	6.519	2.508	-4.717	-2.057	6.698	3.229	4.476	5.695	1.85	4.43305	7.639206354	7	1	275	300	580.3024286	39.128	187.5	75	100		0	0.733	467353.0198	467353.0198	187.5	6448527.901	-100
L11	0.05	3.675	3.542	8.642	8.259	5.605	1.155	2.243	2.311	2.192	4.035	1.832	0.363	4.354	-2.571	-2.439	-5.98	-5.653	-14.28	3.379	0.913	1.07885	1.432301555	8	1	300	325	753.2282546	-29.085	200	75	100		0	0.666	467350.802	467350.802	200	6448529.99	-112.5
L11	0.05	19.807	7.093	0.078	7.151	12.363	-2.816	8.469	3.898	2.057	7.17	-1.453	4.474	5.089	-15.161	-2.891	7.413	-15.221	2.673	-3.603	-21.194	1.2698	1.756011267	9	1	325	350	723.116089	53.989	212.5	75	100		0	0.465	467348.5842	467348.5842	212.5	6448532.079	-125
L11	0.05	15.646	3.389	5.313	0.821	10.309	8.877	5.932	8.595	5.992	1.962	-4.098	-4.25	3.119	-15.506	-0.202	7.019	-2.175	-3.766	6.529	-7.463	2.30215	1.888262999	10	1	350	375	1219.189277	-35.689	225	75	100		0	0.588	467346.3663	467346.3663	225	6448534.168	-137.5
L11	0.05	3.487	2.989	2.544	2.338	2.237	1.952	1.801	1.774	1.552	1.512	1.406	1.323	1.337	1.18	1.177	1.111	1.108	1.071	0.878	0.918	1.68475	3.949307976	1	1	150	175	426.5937248	-52.456	137.5	100	125		0	45.263	467344.1485	467344.1485	137.5	6448536.257	-25
L11	0.05	2.128	1.303	1.537	0.38	-0.451	-0.118	-0.546	-0.477	-1.033	0.486	-0.493	0.395	-0.55	0.398	0.444	-0.521	-0.284	-0.23	-0.442	-0.306	0.081	0.229992692	2	1	175	200	352.1851028	1.661	150	100	125		0	9.342	467341.9307	467341.9307	150	6448538.347	-37.5
L11	0.05	9.838	7.001	6.687	4.985	4.442	4.244	3.637	3.975	2.371	4.693	3.749	4.159	3.395	4.219	3.802	2.946	3.881	3.876	2.217	3.804	4.39605	4.534221753	3	1	200	225	969.5269088	80.429	162.5	100	125		0	10.287	467339.7129	467339.7129	162.5	6448540.436	-50
L11	0.05	1.832	1.988	1.92	1.656	0.188	1.735	0.801	1.667	-0.902	2.554	-0.089	1.861	1.338	2.452	2.675	0.433	1.225	2.965	2.671	2.731	1.58505	2.797389028	4	1	225	250	566.617651	-35.851	175	100	125		0	3.006	467337.495	467337.495	175	6448542.525	-62.5
L11	0.05	-70.2	-60.199	-51.673	-48.667	-42.574	-37.68	-30.066	-22.087	-24.739	-26.25	-10.807	-16.581	-12.849	-11.126	-10.928	-15.63	-5.541	-9.805	-18.128	-6.919	-26.62245	-188.5667341	5	1	250	275	141.1831739	28.647	187.5	100	125		0	0.428	467335.2772	467335.2772	187.5	6448544.614	-75
L11	0.05	-37.63	-41.955	-30.446	-22.834	-21.086	-13.32	-19.358	-10.206	-19.629	-7.241	1.8	0.518	-6.62	-2.873	-2.663	-1.558	8.06	4.901	-11.313	4.334	-11.45595	-40.800015	6	1	275	300	280.782985	34.109	200	100	125		0	0.532	467333.0594	467333.0594	200	6448546.703	-87.5
L11	0.05	-33.047	-22.967	-19.289	-19.273	-15.435	-14.458	-14.776	-10.691	-25.886	-4.167	-7.008	-7.571	-1.789	-0.39	-4.197	-1.399	3.952	4.438	-14.177	-6.165	-10.71475	-28.13756767	7	1	300	325	380.7987287	-28.472	212.5	100	125		0	0.481	467330.8416	467330.8416	212.5	6448548.792	-100
L11	0.05	-12.482	-13.145	-10.745	5.225	-14.455	-2.632	15.471	2.298	-19.254	5.719	5.126	-2.812	8.302	5.13	29.038	16.889	29.114	42.112	-1.013	12.625	5.02555	12.34322723	8	1	325	350	407.1504079	50.38	225	100	125		0	0.36	467328.6238	467328.6238	225	6448550.881	-112.5
L11	0.05	-23.735	-19.73	-20.69	-6.871	-23.931	-0.531	-1.31	6.221	-32.34	10.289	-12.275	5.255	-13.537	10.56	20.763	5.402	25.688	50.829	3.055	8.323	-0.42825	-0.949607863	9	1	350	375	450.9756254	-47.72	237.5	100	125		0	0.29	467326.4059	467326.4059	237.5	6448552.97	-125
L11	0.05	0.547	0.515	0.688	0.49	0.36	0.393	0.234	0.138	0.061	-0.003	-0.043	0.188	0.003	0.369	0.394	0.353	0.716	0.409	0.65	0.685	0.35735	1.515912866	1	1	175	200	235.7325464	8.584	162.5	125	150		0	25.012	467324.1881	467324.1881	162.5	6448555.059	-25
L11	0.05	1.955	1.3	1.558	0.585	0.438	0.344	0.218	0.25	-0.04	0.192	-0.167	0.681	0.135	0.778	1.052	0.842	1.462	0.707	1.321	1.17	0.73905	0.954565424	2	1	200	225	774.2266599	77.835	175	125	150		0	20.537	467321.9703	467321.9703	175	6448557.149	-37.5
L11	0.05	6.829	4.866	4.949	2.862	2.443	2.415	1.947	1.722	1.823	2.135	1.91	2.705	2.475	3.061	3.247	2.133	3.276	1.854	2.135	1.996	2.83915	5.814382766	3	1	225	250	488.2977461	-35.672	187.5	125	150		0	5.181	467319.7525	467319.7525	187.5	6448559.238	-50
L11	0.05	61.457	42.811	38.258	27.148	23.022	21.833	19.568	21.4	12.586	13.041	11.057	10.139	7.921	10.348	11.681	10.42	12.507	7.959	7.277	13.229	19.1831	176.3769606	4	1	250	275	108.7619377	28.532	200	125	150		0	0.577	467317.5347	467317.5347	200	6448561.327	-62.5
L11	0.05	18.19	9.047	13.311	9.954	6.057	2.179	3.726	2.095	1.667	0.914	2.408	9.539	1.668	8.205	10.796	8.927	11.666	3.481	9.94	8.934	7.1352	33.22660668	5	1	275	300	214.7435658	28.87	212.5	125	150		0	0.651	467315.3168	467315.3168	212.5	6448563.416	-75
L11	0.05	23.139	13.022	19.56	19.893	9.712	6.785	-0.029	3.855	-1.265	0.4	-0.564	2.263	3.055	7.828	11.882	1.343	12.365	8.355	12.264	16.974	8.54185	31.67173727	6	1	300	325	269.6994461	-27.578	225	125	150		0	0.511	467313.099	467313.099	225	6448565.505	-87.5

L11	0.05	-1.084	-32.46	-12.974	-26.782	-26.357	-18.617	-23.675	-1.969	-3.576	-0.365	-5.846	12.347	16.319	15.178	27.202	2.271	25.462	14.52	-1.239	-3.63	-2.26375	-7.58467017	7	1	325	350	298.4638685	48.473	237.5	125	150		0	0.377	467310.8812	467310.8812	237.5	6448567.594	-100
L11	0.05	5.689	-14.367	12.038	-9.332	-29.163	-13.986	-20.1	-13.124	-19.755	-5.635	-4.07	24.378	9.536	9.745	11.637	11.625	28.358	14.916	12.013	8.626	0.95145	2.438453633	8	1	350	375	390.1858076	-52.411	250	125	150		0	0.345	467308.6634	467308.6634	250	6448569.683	-112.5
L11	0.1	5.647	4.89	4.373	4.096	3.811	3.603	3.353	3.126	2.858	2.451	2.153	1.776	1.429	1.18	1.001	0.871	0.898	0.916	1.082	1.213	2.53635	3.006872551	1	1	200	225	843.5176275	77.281	187.5	150	175		0	179	467306.4455	467306.4455	187.5	6448571.772	-25
L11	0.1	6.509	5.477	4.63	4.108	3.433	3.092	2.817	2.486	2.407	2.23	2.187	2.013	1.881	1.716	1.629	1.476	1.551	1.543	1.647	1.815	2.73235	4.115369775	2	1	225	250	663.9379082	-35.656	200	150	175		0	35.223	467304.2277	467304.2277	200	6448573.861	-37.5
L11	0.1	-2.105	-2.447	-1.691	-2.345	-1.768	-1.889	-2.307	-1.89	-1.68	-1.756	-1.44	-1.483	-1.835	-1.891	-1.396	-1.469	-0.45	-0.779	-0.016	0.156	-1.52405	-9.875219991	3	1	250	275	154.3307391	28.035	212.5	150	175		0	3.275	467302.0099	467302.0099	212.5	6448575.95	-50
L11	0.1	0.105	-1.007	-0.372	-0.063	0	0.926	1.013	0.96	1.061	0.112	0.558	-1.242	-1.763	-3.023	-3.408	-2.384	-2.274	-1.278	0.476	0.619	-0.5492	-1.719950703	4	1	275	300	319.3114773	25.369	225	150	175		0	3.388	467299.7921	467299.7921	225	6448578.04	-62.5
L11	0.1	-8.465	-3.901	-0.191	4.152	7.862	10.05	10.763	11.761	9.521	4.537	1.71	-4.147	-9.462	-12.223	-12.934	-14.351	-11.826	-10.315	-5.176	-0.79	-1.67125	-4.261086926	5	1	300	325	392.2121348	-26.753	237.5	150	175		0	2.378	467297.5743	467297.5743	237.5	6448580.129	-75
L11	0.1	63.495	30.541	2.993	-27.108	-53.465	-68.931	-74.788	-71.038	-58.329	-39.866	-17.448	3.748	21.397	35.03	42.538	42.583	40.818	32.844	28.189	22.603	-2.2097	-4.132993439	6	1	325	350	534.6488042	47.62	250	150	175		0	2.026	467295.3564	467295.3564	250	6448582.218	-87.5
L11	0.1	45.79	25.375	2.658	-13.781	-30.933	-39.433	-42.905	-42.111	-35.213	-23.886	-16.06	-3.413	4.155	9.243	16.762	14.02	20.264	15.648	20.227	21.566	-2.60135	-4.911591705	7	1	350	375	529.6348223	-55.073	262.5	150	175		0	1.338	467293.1386	467293.1386	262.5	6448584.307	-100
L11	0.2	10.538	9.047	7.925	7.06	6.348	5.775	5.282	4.861	4.5	4.192	3.913	3.677	3.453	3.269	3.089	2.92	2.785	2.639	2.515	2.395	4.80915	2.085238254	1	1	225	250	2306.283222	-33.434	212.5	175	200		0	978.817	467290.9208	467290.9208	212.5	6448586.396	-25
L11	0.2	1.329	1.054	0.952	0.902	0.764	0.421	0.603	0.506	0.544	0.506	0.484	0.547	0.466	0.431	0.577	0.565	0.527	0.471	0.496	0.427	0.6286	1.359988	2	1	250	275	462.2099608	27.713	225	175	200		0	49.042	467288.703	467288.703	225	6448588.485	-37.5
L11	0.2	1.694	1.672	1.439	1.438	1.28	1.306	1.184	1.062	0.862	0.682	0.596	0.678	0.642	0.463	0.606	0.606	0.827	0.794	0.748	0.75	0.96645	0.989038675	3	1	275	300	977.160979	22.057	237.5	175	200		0	41.472	467286.4851	467286.4851	237.5	6448590.574	-50
L11	0.2	0.601	0.764	1.328	1.903	1.962	2.13	1.933	1.624	1.332	0.395	-0.051	-0.415	-0.721	-0.464	0.105	0.158	0.902	1.138	1.546	1.573	0.88715	0.776646357	4	1	300	325	1142.283089	-26.488	250	175	200		0	24.24	467284.2673	467284.2673	250	6448592.663	-62.5
L11	0.2	11.912	8.637	4.506	1.4	-1.944	-4.107	-3.937	-3.981	-1.817	0.582	3.417	5.769	6.5	7.059	5.823	4.269	1.731	-0.804	-2.616	-3.434	1.94825	1.257701054	5	1	325	350	1549.056506	47.665	262.5	175	200		0	18.784	467282.0495	467282.0495	262.5	6448594.752	-75
L11	0.2	8.965	6.92	4.149	2.548	0.173	-1.503	-1.315	-2.025	-0.414	0.27	1.932	3.507	3.461	4.562	4.172	3.181	2.495	0.645	-0.223	-0.681	2.04095	1.186102735	6	1	350	375	1720.719411	-57.003	275	175	200		0	13.041	467279.8317	467279.8317	275	6448596.842	-87.5
L11	0.05	3.816	3.114	2.828	2.394	2.368	1.867	1.75	2.167	1.814	1.844	1.799	1.366	1.304	1.395	1.163	0.951	0.804	0.926	0.745	0.95	1.76825	1.929245052	1	1	250	275	916.5502319	28.058	237.5	200	225		0	97.249	467277.6139	467277.6139	237.5	6448598.931	-25
L11	0.05	5.527	4.909	4.247	3.881	3.233	3.374	2.981	2.068	2.15	1.731	1.655	1.984	1.845	1.483	1.673	1.805	1.804	1.61	1.615	1.207	2.5391	0.913813624	2	1	275	300	2778.575339	19.609	250	200	225		0	73.704	467275.396	467275.396	250	6448601.02	-37.5
L11	0.05	5.93	4.152	3.654	3.368	4.195	3.995	2.073	3.12	1.902	2.361	3.041	1.845	2.03	1.702	1.356	1.767	0.969	0.93	1.549	0.968	2.54535	0.65817762	3	1	300	325	3867.269141	-27.866	262.5	200	225		0	41.033	467273.1782	467273.1782	262.5	6448603.109	-50
L11	0.05	7.298	6.518	5.57	5.148	3.112	3.84	3.789	1.601	2.583	1.916	2.139	3.243	3.565	2.476	3.512	3.961	3.943	2.817	2.348	0.984	3.51815	0.815465114	4	1	325	350	4314.286359	48.919	275	200	225		0	22.888	467270.9604	467270.9604	275	6448605.198	-62.5
L11	0.05	7.301	5.458	4.951	3.935	4.73	3.086	2.029	5.161	3.821	4.597	4.822	2.949	2.632	3.297	2.206	2.505	1.772	1.501	1.397	0.768	3.4459	0.636427693	5	1	350	375	5414.440691	-59.208	287.5	200	225		0	16.414	467268.7426	467268.7426	287.5	6448607.287	-75
L11	0.2	6.813	5.701	4.884	4.229	3.736	3.355	3.026	2.787	2.558	2.417	2.308	2.166	2.061	1.978	1.893	1.799	1.689	1.617	1.49	1.367	2.8937	3.634342906	1	1	275	300	796.2099545	19.165	262.5	225	250		0	337.922	467266.5248	467266.5248	262.5	6448609.376	-25
L11	0.2	7.248	5.846	4.818	3.997	3.397	3.033	2.713	2.602	2.588	2.655	2.776	2.862	2.895	3.055	2.936	2.871	2.727	2.539	2.242	1.875	3.28375	2.425219236	2	1	300	325	1354.001301	-30.714	275	225	250		0	143.664	467264.3069	467264.3069	275	6448611.465	-37.5
L11	0.2	10.069	9.168	8.677	8.167	7.499	6.923	6.114	5.369	4.441	3.598	2.724	1.868	1.406	1.046	0.625	0.745	0.661	0.959	1.323	1.796	4.1589	2.558289703	3	1	325	350	1625.656389	50.851	287.5	225	250		0	68.995	467262.0891	467262.0891	287.5	6448613.554	-50
L11	0.2	9.259	7.619	6.502	5.571	4.602	4.143	3.549	3.461	2.972	3.07	3.012	2.762	2.838	3.283	3.082	3.263	2.995	2.958	2.748	2.365	4.0027	1.825134448	4	1	350	375	2193.098708	-61.016	300	225	250		0	46.539	467259.8713	467259.8713	300	6448615.644	-62.5
L11	0.2	6.531	5.455	4.673	4.013	3.515	3.089	2.742	2.457	2.298	2.082	1.93	1.833	1.743	1.69	1.624	1.565	1.578	1.485	1.378	1.302	2.64915	5.435426027	1	1	300	325	487.3858989	-25.509	287.5	250	275		0	206.853	467257.6535	467257.6535	287.5	6448617.733	-25
L11	0.2	5.672	4.862	4.436	4.195	4.281	4.427	4.486	4.79	4.517	4.769	4.692	4.688	3.935	3.75	3.267	2.397	1.68	1.177	0.719	0.855	3.67975	8.73140713	2	1	325	350	421.4383713	48.505	300	250	275		0	44.716	467255.4356	467255.4356	300	6448619.822	-37.5
L11	0.2	4.266	3.277	2.557	2.067	1.985	1.936	1.897	2.115	1.953	2.195	1.941	2.247	2.017	2.248	2.036	1.808	1.494	1.305	0.582	0.385	2.01555	2.581950403	3	1	350	375	780.6307965	-61.678	312.5	250	275		0	33.131	467253.2178	467253.2178	312.5	6448621.911	-50
L11	0.1	7.728	6.686	6.018	5.372	4.862	4.309	3.872	3.381	2.956	2.626	2.407	2.175	1.966	2.027	2.03	1.997	2.178	2.2	2.18	2.25	3.461	5.278095657	1	1	325	350	655.7289266	53.345	312.5	275	300		0	139.15	467251	467251	312.5	6448624	-25
L11	0.1	6.369	5.438	4.916	4.111	3.55	3.114	2.542	2.252	2.029	1.814	1.564	1.487	1.577	1.721	1.692	1.869	1.725	1.505	1.813	1.456	2.6272	1.678112223	2	1	350	375	1565.568717	-63.238	325	275	300		0	83.056	467263.5	467263.5	325	6448636.5	-37.5
L11	0.1	9.728	8.175	7.015	6.15	5.468	4.973	4.516	4.236	3.99	3.757	3.601	3.337	3.2	2.92	2.702	2.438	2.225	2.002	1.881	1.739	4.20265	4.378197276	1	1	350	375	959.9042105	-62.367	337.5	300	325		0	203.698	467276	467276	337.5	6448649	-25
L12	0.2	6.952	5.918	5.156	4.581	4.114	3.727	3.411	3.131	2.907	2.701	2.523	2.363	2.231	2.102	1.984	1.881	1.791	1.704	1.621	1.55	3.1174	1.687073745	1	1	0	25	1847.814898	4.337	-12.5	-50	-25		0	784.237	467482.5	467482.5	-12.5	6448536.5	-25
L12	0.2	6.059	5.252	4.658	4.147	3.787	3.482	3.222	3.016	2.806	2.629	2.465	2.315	2.214	2.093	1.981	1.888	1.837	1.765	1.67	1.621	2.94535	1.834277386	2	1	25	50	1605.727696	9.081	0	-50	-25		0	170.373	467480.8338	467480.8338	0	6448549	-37.5
L12	0.2	7.07	6.074	5.237	4.762	4.191	3.803	3.531	3.244	2.976	2.752	2.587	2.459	2.326	2.173	2.01	1.971	1.854	1.819	1.641	1.63	3.2055	1.802287148	3	1	50	75	1778.573411	-37.748	12.5	-50	-25		0	75.485	467479.1676	467479.1676	12.5	6448550.887	-50
L12	0.2	7.993	6.636	5.573	4.887	4.452	3.815	3.647	3.307	3.005	2.869	2.577	2.382	2.248	2.014	2.041	1.845	1.804	1.701	1.434	1.362	3.2796	1.787840664	4	1	75	100	1834.391658	29.593	25	-50	-25		0	38.927	467477.5013	467477.5013	25	6448552.774	-62.5
L12	0.2	-1.346	-0.038	-0.986	-0.223	-0.047	0.168	0.13	0.193	-0.189	-0.089	0.124	-0.058	-0.178	-0.086	-0.075	-0.644	-0.418	-0.134	0.305	0.124	-0.17335	-0.248059695	5	1	100	125	698.8237238	-16.635	37.5	-50	-25		0	8.474	467475.8351	467475.8351	37.5	6448554.661	-75
L12	0.2	3.45	4.191	1.806	4.352	3.657	2.456	3.23	1.773	2.339	1.941	1.617	1.184	1.034	2.63	1.393	0.703	1.088	1.614	1.72	1.74	2.1959	2.941375377	6	1	125	150	746.5555118	13.151	50	-50	-25		0	5.658	467474.1689	467474.1689	50	6448556.548	-87.5

L12	0.2	7.776	6.261	5.426	5.043	3.885	3.929	4.123	3.231	3.308	2.761	2.108	1.993	2.565	3.531	1.331	2.069	2.121	2.112	1.562	1.569	3.3352	1.630342911	7	1	150	175	2045.704605	-29.619	62.5	-50	-25		0	10.336	467472.5027	467472.5027	62.5	6448558.435	-100
L12	0.2	1.994	4.466	-0.124	0.216	3.524	6.15	2.575	1.734	5.482	2.164	1.079	-0.312	-0.064	2.472	-1.917	-1.491	-0.235	0.459	-0.88	0.471	1.38815	2.416130077	8	1	175	200	574.5344645	71.77	75	-50	-25		0	2.032	467470.8365	467470.8365	75	6448560.323	-112.5
L12	0.2	16.302	10.051	6.476	3.423	4.723	4.367	3.196	2.606	5.23	3.257	1.926	-1.2	2.411	2.922	2.45	2.581	2.75	2.896	-0.09	2.215	3.9246	5.203536309	9	1	200	225	754.2178563	-41.806	87.5	-50	-25		0	1.94	467469.1702	467469.1702	87.5	6448562.21	-125
L12	0.2	25.964	17.83	15.307	14.497	11.977	14.999	11.398	9.288	9.711	11.865	7.776	6.656	7.372	7.26	5.064	3.31	3.64	3.491	4.32	4.741	9.8233	6.656349597	10	1	225	250	1475.778857	90.884	100	-50	-25		0	2.847	467467.504	467467.504	100	6448564.097	-137.5
L12	0.2	6.367	5.493	4.858	4.36	3.969	3.638	3.355	3.117	2.89	2.727	2.555	2.413	2.288	2.172	2.052	1.955	1.877	1.793	1.728	1.659	3.0633	3.709466363	1	1	25	50	825.8061135	7.157	12.5	-25	0		0	350.483	467465.8378	467465.8378	12.5	6448565.984	-25
L12	0.2	7.266	6.163	5.475	4.789	4.336	3.905	3.586	3.361	3.128	2.916	2.706	2.517	2.383	2.236	2.124	2.004	1.877	1.793	1.687	1.648	3.295	3.10458444	2	1	50	75	1061.333671	-35.686	25	-25	0		0	112.611	467464.1716	467464.1716	25	6448567.871	-37.5
L12	0.2	6.141	5.123	4.776	4.129	3.848	3.467	3.155	3.029	2.602	2.583	2.437	2.157	2.056	1.987	1.781	1.721	1.77	1.6	1.514	1.451	2.86635	2.308775167	3	1	75	100	1241.502439	27.513	37.5	-25	0		0	52.691	467462.5054	467462.5054	37.5	6448569.758	-50
L12	0.2	8.226	6.611	5.907	4.882	4.984	4.122	3.358	3.624	3.181	2.988	2.932	2.64	2.463	2.274	2.43	2.202	2.067	1.961	1.606	1.529	3.49935	5.550793343	4	1	100	125	630.4233978	-13.372	50	-25	0		0	13.378	467460.8391	467460.8391	50	6448571.645	-62.5
L12	0.2	1.095	-2.617	-13.078	-15.357	-3.302	-3.052	-2.491	-1.512	-3.881	-2.244	-1.577	-1.395	-2.061	0.002	-2.162	-2.103	-1.484	-2.153	-0.872	-2.44	-3.1342	-9.510909436	5	1	125	150	329.5373614	2.44	62.5	-25	0		0	3.996	467459.1729	467459.1729	62.5	6448573.532	-75
L12	0.2	5.438	3.495	7.873	8.078	4.313	3.341	3.136	3.371	2.386	3.325	1.186	1.578	1.636	1.566	1.492	2.364	1.686	1.75	2.095	2.664	3.13865	2.271073325	6	1	150	175	1382.011741	-11.944	75	-25	0		0	10.474	467457.5067	467457.5067	75	6448575.419	-87.5
L12	0.2	-2.433	-2.819	-0.876	-2.053	2.02	-1.687	0.436	-1.731	-2.913	2.386	-2.311	-1.679	-0.019	-0.988	-2.877	-0.592	-0.808	1.285	3.391	1.744	-0.6262	-1.690117104	7	1	175	200	370.5068712	54.883	87.5	-25	0		0	1.872	467455.8405	467455.8405	87.5	6448577.306	-100
L12	0.2	-35.607	-26.749	-27.527	-20.564	-11.045	-19.535	-14.744	-11.595	-17.074	0.281	-6.583	-5.929	-5.53	0.276	-3.862	-2.897	2.215	-5.322	9.809	-1.384	-10.1683	-48.46766121	8	1	200	225	209.7955574	-43.529	100	-25	0		0	0.742	467454.1743	467454.1743	100	6448579.194	-112.5
L12	0.2	-878.852	-736.317	-527.137	-501.759	-439.764	-323.796	-325.57	-275.691	-274.052	-163.993	-181.167	-79.014	-62.006	-104.115	-53.291	-109.355	-7.144	-142.228	-67.79	-12.422	-263.2731	-8794.694625	9	1	225	250	29.935451	79.368	112.5	-25	0		0	0.077	467452.508	467452.508	112.5	6448581.081	-125
L12	0.2	-96.698	-91.921	-70.531	-74.705	-33.807	-26.136	-34.565	-41.493	-20.363	-30.062	-29.31	-9.077	-5.012	-13.769	-1.263	-0.365	-15.266	-0.3	-4.63	-9.755	-30.4514	-136.9355325	10	1	250	275	222.377636	-83.386	125	-25	0		0	0.429	467450.8418	467450.8418	125	6448582.968	-137.5
L12	0.2	6.245	5.327	4.655	4.122	3.684	3.349	3.07	2.84	2.617	2.432	2.304	2.245	2.019	1.876	1.769	1.704	1.605	1.52	1.468	1.406	2.81285	4.04404651	1	1	50	75	695.5533259	118.682	37.5	0	25		0	295.202	467449.1756	467449.1756	37.5	6448584.855	-25
L12	0.2	5.656	4.796	4.283	3.777	3.424	3.138	2.832	2.612	2.413	2.274	2.122	1.561	1.817	1.79	1.694	1.594	1.467	1.415	1.343	1.313	2.56605	3.147806335	2	1	75	100	815.1867449	-130.925	50	0	25		0	86.494	467447.5094	467447.5094	50	6448586.742	-37.5
L12	0.2	5.088	4.095	3.702	3.03	2.895	2.495	1.948	1.986	1.798	1.87	1.727	1.589	1.344	1.477	1.502	1.252	1.195	1	1.12	0.869	2.0991	3.903968928	3	1	100	125	537.6835827	-12.921	62.5	0	25		0	22.82	467445.8432	467445.8432	62.5	6448588.629	-50
L12	0.2	1.345	0.417	0.66	0.43	0.706	0.879	0.444	0.429	0.4	0.067	0.332	0.148	0.316	0.527	1.201	0.224	0.09	0.582	-0.401	0.359	0.45775	1.078826821	4	1	125	150	424.3035038	-4.567	75	0	25		0	9.004	467444.1769	467444.1769	75	6448590.516	-62.5
L12	0.2	6.002	5.173	4.487	3.447	3.182	3.146	2.258	2.714	2.024	2.349	2.73	2.211	1.91	1.477	1.864	1.287	1.45	1.5	1.836	1.398	2.62225	1.797899009	5	1	150	175	1458.507951	-2.595	87.5	0	25		0	17.686	467442.5107	467442.5107	87.5	6448592.403	-75
L12	0.2	4.157	1.97	1.246	-0.398	-0.166	0.583	-1.506	0.618	-0.511	1.547	1.874	1.264	-0.268	0.13	0.055	-1.525	0.871	-0.355	-0.107	-0.83	0.43245	0.988674213	6	1	175	200	437.4039452	46.266	100	0	25		0	3.315	467440.8445	467440.8445	100	6448594.29	-87.5
L12	0.2	9.545	6.267	4.148	3.734	3.722	1.355	0.837	1.792	2.518	1.956	3.282	1.98	1.634	0.953	3.244	-0.334	2.302	0.921	0.146	-1.103	2.44495	3.905533506	7	1	200	225	626.0220265	-39.685	112.5	0	25		0	3.163	467439.1783	467439.1783	112.5	6448596.177	-100
L12	0.2	16.456	13.105	11.589	8.966	7.43	6.33	6.234	5.826	5.022	5.57	5.194	3.683	3.912	2.062	3.263	1.641	3.253	1.555	2.454	2.064	5.78045	4.058796862	8	1	225	250	1424.178198	166.569	125	0	25		0	5.037	467437.5121	467437.5121	125	6448598.065	-112.5
L12	0.2	16.503	12.619	9.739	8.017	7.476	5.225	3.98	5.086	4.273	5.709	4.369	3.367	3.678	2.027	3.114	1.47	4.108	2.806	3.629	2.157	5.4676	3.778550977	9	1	250	275	1447.009722	-38.028	137.5	0	25		0	3.722	467435.8458	467435.8458	137.5	6448599.952	-125
L12	0.2	-139.998	-171.668	-115.349	-146.984	-135.707	-71.263	-88.668	-64.615	-52.679	-50.831	-32.383	-68.276	-57.482	8.654	-45.86	-54.618	-2.876	-37.722	-9.704	-48.118	-69.30735	-1123.565811	10	1	275	300	61.68517175	-41.969	150	0	25		0	0.119	467434.1796	467434.1796	150	6448601.839	-137.5
L12	0.2	6.002	5.162	4.548	4.064	3.681	3.364	3.089	2.845	2.637	2.477	2.328	2.196	2.07	1.963	1.877	1.779	1.72	1.598	1.541	1.483	2.8212	7.46731735	1	1	75	100	377.8063617	-82.92	62.5	25	50		0	160.346	467432.5134	467432.5134	62.5	6448603.726	-25
L12	0.2	4.395	3.75	3.334	2.968	2.733	2.521	2.365	2.243	2.124	2.054	1.807	1.843	1.807	1.651	1.496	1.35	1.451	1.255	1.081	1.108	2.1668	6.080202593	2	1	100	125	356.3697043	-10.914	75	25	50		0	37.812	467430.8472	467430.8472	75	6448605.613	-37.5
L12	0.2	0.943	1.543	1.743	1.48	1.162	1.238	0.988	0.761	0.713	0.588	0.682	0.566	0.477	0.531	0.754	0.855	0.746	0.312	0.545	0.546	0.85865	2.799588065	3	1	125	150	306.7058368	-8.655	87.5	25	50		0	13.017	467429.181	467429.181	87.5	6448607.5	-50
L12	0.2	5.268	4.32	4.188	3.616	3.274	2.926	2.774	2.368	2.582	2.52	2.339	2.159	1.9	2.164	1.481	1.527	1.606	1.212	1.474	1.626	2.5662	2.420824865	4	1	150	175	1060.051901	2.927	100	25	50		0	22.495	467427.5147	467427.5147	100	6448609.387	-62.5
L12	0.2	-2.319	-2.711	-1.322	-1.469	-1.061	-1.991	-1.2	-1.944	-0.935	-0.765	-0.148	-0.917	-0.034	-0.143	-1.399	-0.09	0.176	-0.506	-0.389	0.16	-0.95035	-2.991700542	5	1	175	200	317.6621412	40.193	112.5	25	50		0	3.852	467425.8485	467425.8485	112.5	6448611.274	-75
L12	0.2	-14.142	-14.502	-10.718	-10.599	-10.647	-10.362	-5.699	-7.546	-4.028	-4.389	-4.438	-4.857	-7.825	-4.645	-4.647	-2.784	-1.159	-3.725	-1.741	-2.889	-6.5671	-27.92973189	6	1	200	225	235.1293606	-36.232	125	25	50		0	1.782	467424.1823	467424.1823	125	6448613.161	-87.5
L12	0.2	-71.094	-52.432	-39.228	-33.224	-39.289	-31.739	-27.118	-30.013	-17.119	-11.393	-11.103	-12.922	-15.637	-10.347	-20.092	-13.862	-11.293	-11.254	-10.273	-1.219	-23.53255	-102.3228057	7	1	225	250	229.9834318	101.62	137.5	25	50		0	1.162	467422.5161	467422.5161	137.5	6448615.048	-100
L12	0.2	-48.666	-37.838	-26.061	-29.523	-33.606	-27.266	-20.716	-29.919	-14.744	-10.521	-8.349	-10.096	-13.948	-11.701	-18.726	-5.869	-7.453	-9.74	-7.748	-2.76	-18.7625	-62.07555597	8	1	250	275	302.2526292	-40.532	150	25	50		0	1.069	467420.8499	467420.8499	150	6448616.935	-112.5
L12	0.2	14.242	11.262	10.413	8.703	7.133	7.774	6.028	4.656	4.635	3.839	2.575	3.543	3.122	3.06	2.591	2.757	4.319	0.21	2.058	2.085	5.25025	5.962339438	9	1	275	300	880.5687858	-8.736	162.5	25	50		0	2.265	467419.1836	467419.1836	162.5	6448618.823	-125

L12	0.2	16.295	15.743	14.701	9.977	7.818	8.042	6.881	8.095	5.394	6.044	5.363	6.211	5.239	3.068	4.434	3.44	2.986	2.628	2.324	2.512	6.85975	5.82973233	10	1	300	325	1176.683528	106.318	175	25	50		0	2.27	467417.5174	467417.5174	175	6448620.71	-137.5
L12	0.2	9.648	8.157	7.082	6.262	5.61	5.091	4.653	4.28	3.97	3.69	3.452	3.234	3.042	2.862	2.709	2.564	2.438	2.322	2.229	2.137	4.2716	2.807456328	1	1	100	125	1521.519661	-113.833	87.5	50	75		0	645.753	467415.8512	467415.8512	87.5	6448622.597	-25
L12	0.2	4.55	3.825	3.211	2.829	2.499	2.232	2.038	1.842	1.747	1.682	1.519	1.355	1.259	1.16	1.1	0.942	0.929	0.886	0.834	0.814	1.86265	2.843972014	2	1	125	150	654.94667	-13.642	100	50	75		0	69.492	467414.185	467414.185	100	6448624.484	-37.5
L12	0.2	6.571	5.509	4.905	4.303	3.861	3.535	3.218	2.945	2.82	2.42	2.441	2.21	2.05	1.937	1.957	1.813	1.715	1.646	1.581	1.511	2.9474	1.582175495	3	1	150	175	1862.87805	5.894	112.5	50	75		0	79.063	467412.5188	467412.5188	112.5	6448626.371	-50
L12	0.2	1.432	1.148	0.916	0.568	0.609	0.473	0.374	0.253	0.462	0.069	0.118	-0.036	-0.108	0.264	0.065	-0.011	0.116	0.148	-0.118	-0.014	0.3364	0.563249938	4	1	175	200	597.2481794	35.508	125	50	75		0	12.674	467410.8525	467410.8525	125	6448628.258	-62.5
L12	0.2	2.6	1.295	0.595	0.333	-0.141	0.121	-0.225	-0.523	-0.087	-1.196	-0.067	-0.222	-0.542	-0.62	-0.566	-0.403	-0.493	-0.585	0.069	-0.381	-0.0519	-0.070451597	5	1	200	225	736.6759883	-32.527	137.5	50	75		0	8.933	467409.1863	467409.1863	137.5	6448630.145	-75
L12	0.2	13.593	10.659	9.574	7.994	6.689	6.103	5.787	4.81	5.021	3.223	3.752	3.884	3.128	2.708	2.914	2.616	2.608	2.55	2.592	2.77	5.14875	3.076910707	6	1	225	250	1673.350477	245.726	150	50	75		0	12.682	467407.5201	467407.5201	150	6448632.032	-87.5
L12	0.2	11.118	8.779	8.054	6.535	5.761	5.314	4.529	4.138	4.279	2.31	2.973	2.519	2.513	2.341	2.472	2.169	2.458	1.914	2.101	1.521	4.1899	2.052513908	7	1	250	275	2041.350358	-210.628	162.5	50	75		0	10.314	467405.8539	467405.8539	162.5	6448633.919	-100
L12	0.2	-25.397	-21.322	-15.325	-12.376	-11.984	-12.276	-10.89	-8.214	-6.041	-11.357	-6.548	-3.645	-5.516	-2.566	-3.694	-4.306	-3.038	-4.148	-1.919	0.482	-8.504	-20.488247559	8	1	275	300	415.0672214	0.771	175	50	75		0	1.468	467404.1877	467404.1877	175	6448635.806	-112.5
L12	0.2	-68.488	-64.266	-43.313	-40.088	-35.45	-33.763	-27.107	-25.209	-14.292	-27.314	-16.121	-15.491	-13.461	-19.254	-12.809	-11.108	-12.615	-17.001	-6.637	2.295	-25.0746	-102.7020919	9	1	300	325	244.1488731	71.682	187.5	50	75		0	0.628	467402.5214	467402.5214	187.5	6448637.694	-125
L12	0.2	-51.515	-44.76	-43.594	-33.667	-31.401	-21.91	-22.141	-11.634	-10.852	-20.602	-11.359	-15.819	-17.508	-16.142	-9.338	-12.225	-16.46	-10.386	-6.799	-6.789	-20.74505	-44.615752858	10	1	325	350	464.9714207	-10.045	200	50	75		0	0.897	467400.8552	467400.8552	200	6448639.581	-137.5
L12	0.05	8.269	7.097	6.209	5.505	4.954	4.506	4.195	3.84	3.564	3.355	3.207	2.982	2.809	2.633	2.486	2.372	2.225	2.165	2.021	2.002	3.8198	5.097452713	1	1	125	150	749.3546709	-15.836	112.5	75	100		0	79.509	467399.189	467399.189	112.5	6448641.468	-25
L12	0.05	4.384	4.043	3.662	3.168	3.399	2.58	2.867	2.431	2.129	2.136	2.12	1.872	1.768	1.581	1.569	1.66	1.564	1.807	1.358	1.401	2.37495	2.382478835	2	1	150	175	996.8399154	10.838	125	75	100		0	26.442	467397.5228	467397.5228	125	6448643.355	-37.5
L12	0.05	-0.736	-0.188	-0.189	-0.933	-0.095	-0.684	-0.517	-0.281	-0.977	0.199	0.005	-0.501	-0.167	-0.476	0.133	-0.155	0.23	-0.166	-0.699	-1.024	-0.36105	-1.182364037	3	1	175	200	305.3628059	29.672	137.5	75	100		0	3.24	467395.8566	467395.8566	137.5	6448645.242	-50
L12	0.05	-38.013	-28.131	-22.186	-22.774	-12.791	-21.574	-11.487	-12.471	-16.142	-11.496	-10.86	-10.57	-9.73	-11.107	-8.193	-9.718	-7.679	-5.142	-8.659	-9.093	-14.3908	-94.957170661	4	1	200	225	151.5504296	-27.174	150	75	100		0	0.804	467394.1903	467394.1903	150	6448647.129	-62.5
L12	0.05	314.662	266.375	239.95	219.459	209.19	252.167	221.983	239.513	246.486	192.909	218.455	163.106	174.447	159.108	171.181	143.865	176.768	137.003	153.433	176.632	203.8346	3136.696559	5	1	225	250	64.98384404	148.422	162.5	75	100		0	-0.197	467392.5241	467392.5241	162.5	6448649.016	-75
L12	0.05	427.097	280.783	252.783	200.355	159.374	216.984	159.947	199.693	197.526	185.429	121.802	203.605	65.088	73.865	75.907	94.297	77.171	79.608	98.371	97.728	163.3706	1243.127104	6	1	250	275	131.4191039	-127.902	175	75	100		0	-0.249	467390.8579	467390.8579	175	6448650.903	-87.5
L12	0.05	13.006	12.378	10.243	9.198	8.719	6.384	4.383	5.233	3.476	4.994	3.636	2.83	2.571	0.558	1.953	3.202	1.922	3.236	0.642	0.314	4.9439	3.854821297	7	1	275	300	1282.523785	5.594	187.5	75	100		0	1.62	467389.1917	467389.1917	187.5	6448652.79	-100
L12	0.05	18.151	14.869	13.41	9.844	7.396	6.598	9.68	5.036	5.887	4.608	5.584	2.592	4.209	1.534	1.86	1.625	1.951	4.066	1.248	0.662	6.0405	3.181045046	8	1	300	325	1898.904264	58.175	200	75	100		0	1.679	467387.5255	467387.5255	200	6448654.677	-112.5
L12	0.05	15.735	14.043	12.343	7.298	8.288	4.764	7.024	6.137	3.3	4.051	5.468	2.732	2.939	3.072	1.664	2.061	0.53	3.025	0.973	3.22	5.43335	1.906119592	9	1	325	350	2850.47697	-23.824	212.5	75	100		0	1.833	467385.8592	467385.8592	212.5	6448656.565	-125
L12	0.05	14.917	10.383	11.21	6.661	9.634	4.137	7.672	5.723	2.747	1.973	4.32	4.026	1.747	2.4	1.921	0.655	1.282	3.122	1.809	0.73	4.85345	1.576268868	10	1	350	375	3079.07496	-21.094	225	75	100		0	1.485	467384.193	467384.193	225	6448658.452	-137.5
L12	0.05	6.176	5.403	4.43	3.871	3.7	3.502	3.093	2.866	3.107	2.409	2.345	2.175	2.151	1.945	2.069	1.829	1.692	1.731	1.649	1.612	2.88775	5.904453226	1	1	150	175	489.0800027	15.639	137.5	100	125		0	51.893	467382.5268	467382.5268	137.5	6448660.339	-25
L12	0.05	1.081	0.337	3.898	2.271	0.277	-1.945	1.643	-1.738	-1.248	2.303	-0.723	2.584	0.408	1.283	-1.426	-0.207	0.989	-0.201	-0.039	-0.787	0.438	2.179795656	2	1	175	200	200.9362661	23.824	150	100	125		0	5.33	467380.8606	467380.8606	150	6448662.226	-37.5
L12	0.05	8.972	10.299	4.443	-1.596	0.26	6.009	1.279	2.986	10.056	1.472	2.94	-1.126	5.413	-3.455	2.404	5.776	0.209	5.861	4.633	2.311	3.4573	11.37460227	3	1	200	225	303.9490892	-21.163	162.5	100	125		0	3.225	467379.1944	467379.1944	162.5	6448664.113	-50
L12	0.05	17.125	12.358	14.567	11.091	11.327	4.885	8.363	3.02	4.384	8.348	4.153	6.923	4.242	5.986	2.302	0.656	4.311	1.52	1.248	1.371	6.409	8.032317744	4	1	225	250	797.9017022	113.49	175	100	125		0	4.233	467377.5282	467377.5282	175	6448666	-62.5
L12	0.05	18.754	16.018	8.147	6.361	8.192	9.496	5.351	7.125	9.987	3.421	5.428	2.582	5.566	1.285	4.594	4.439	2.306	4.746	5.028	4.94	6.6883	5.868519087	5	1	250	275	1139.691275	-104.029	187.5	100	125		0	3.455	467375.8619	467375.8619	187.5	6448667.887	-75
L12	0.05	262.431	-8.994	395.017	262.998	115.525	-149.295	186.293	-7.209	-62.794	384.586	47.432	172.382	59.561	338.465	2.357	207.02	98.311	45.846	-55.157	-97.558	109.86085	2738.862364	6	1	275	300	40.111855	9.392	200	100	125		0	-0.076	467374.1957	467374.1957	200	6448669.774	-87.5
L12	0.05	50.187	69.51	55.839	43.603	27.242	29.933	25.846	22.959	30.81	26.036	34.524	-6.805	8.259	8.025	-4.766	18.639	-6.309	11.838	19.672	5.45	23.5246	74.473015366	7	1	300	325	315.8808581	47.975	212.5	100	125		0	-0.399	467372.5295	467372.5295	212.5	6448671.661	-100
L12	0.05	24.629	49.819	49.55	26.725	18.922	14.419	7.956	38.018	15.315	21.553	20.523	5.101	9.623	-8.117	2.331	17.874	3.679	3.161	30.59	-1.403	17.5134	40.013554128	8	1	325	350	437.6866885	-26.019	225	100	125		0	-0.387	467370.8633	467370.8633	225	6448673.548	-112.5
L12	0.05	-30.131	114.101	-126.1	-128.498	28.464	-2.763	-85.927	19.11	-45.369	-96.548	-7.934	-111.369	-109.374	-222.504	-166.58	9.178	-101.992	4.016	100.528	9.672	-47.501	-236.7870629	9	1	350	375	200.6063989	-31.686	237.5	100	125		0	-0.129	467369.1971	467369.1971	237.5	6448675.435	-125
L12	0.05	319.321	535.914	185.361	248.453	212.232	434.051	45.791	507.021	276.355	138.884	369.455	153.467	316.251	-97.514	405.705	345.586	176.584	127.804	300.329	269.744	263.5397	3631.484498	10	1	375	400	72.5707903	41.381	250	100	125		0	-0.035	467367.5308	467367.5308	250	6448677.323	-137.5
L12	0.05	1.87	1.585	1.35	1.26	1.087	0.997	0.969	0.77	0.861	0.775	0.673	0.665	0.739	0.546	0.532	0.585	0.408	0.385	0.493	0.473	0.85115	2.513563413	1	1	175	200	338.6228474	23.74	162.5	125	150		0	35.929	467365.8646	467365.8646	162.5	6448679.21	-25

L12	0.05	-1.074	-0.897	-0.954	-0.447	-0.785	-0.358	-0.349	-0.257	-0.292	-0.25	-0.217	-0.317	-0.437	-0.159	-0.855	-0.218	-0.002	-0.31	0.085	0.059	-0.4017	-1.141815628	2	1	200	225	351.8081117	-20.544	175	125	150		0	9.332	467364.1984	467364.1984	175	6448681.097	-37.5
L12	0.05	-8.708	-7.456	-5.894	-5.626	-3.873	-3.268	-2.081	-3.301	-1.174	-0.998	-1.614	-1.044	-0.822	-2.007	-0.569	-1.099	-1.248	-1.063	-1.886	-0.677	-2.7204	-5.285541197	3	1	225	250	514.6871244	104.457	187.5	125	150		0	5.461	467362.5322	467362.5322	187.5	6448682.984	-50
L12	0.05	-11.285	-9.19	-8.092	-6.623	-5.891	-4.172	-3.913	-5.04	-3.983	-3.177	-2.787	-2.569	-3.288	-1.93	-2.351	-1.615	-1.197	-1.73	0.67	-2.087	-4.0125	-5.781361662	4	1	250	275	694.040649	-97.035	200	125	150		0	3.682	467360.866	467360.866	200	6448684.871	-62.5
L12	0.05	11.949	10.309	7.185	6.065	6.285	5.35	5.954	2.647	3.588	3.29	2.681	3.037	2.438	2.241	3.047	2.39	2.565	1.383	0.693	1.544	4.23205	4.08454497	5	1	275	300	1036.111965	10.69	212.5	125	150		0	3.141	467359.1997	467359.1997	212.5	6448686.758	-75
L12	0.05	15.728	12.447	10.499	9.498	10.249	6.949	7.319	2.974	6.108	4.356	4.675	3.199	4.82	3.348	4.39	2.49	3.081	1.776	1.146	1.935	5.84935	3.902385003	6	1	300	325	1498.916687	44.538	225	125	150		0	2.84	467357.5335	467357.5335	225	6448688.645	-87.5
L12	0.05	17.274	13.413	10.51	9.675	7.526	6.682	7.283	5.004	4.532	4.822	2.782	5.649	3.386	4.256	3.828	3.162	3.147	2.453	2.331	1.068	5.93915	2.439656937	7	1	325	350	2434.420147	-27.685	237.5	125	150		0	3.075	467355.8673	467355.8673	237.5	6448690.532	-100
L12	0.05	14.532	8.848	10.225	9.749	7.249	7.883	8.155	2.35	3.675	3.846	2.805	4.383	3.101	2.004	2.223	2.307	2.586	0.041	2.928	1.501	5.01955	1.761212951	8	1	350	375	2850.052855	-33.207	250	125	150		0	2.52	467354.2011	467354.2011	250	6448692.419	-112.5
L12	0.05	12.662	10.492	12.436	9.947	4.158	5.787	6.693	6.438	1.369	4.485	2.427	5.084	1.04	-0.301	3.34	1.44	0.344	1.179	2.888	-0.268	4.582	1.662785757	9	1	375	400	2755.61658	35.682	262.5	125	150		0	1.772	467352.5349	467352.5349	262.5	6448694.306	-125
L12	0.05	12.18	9.62	8.991	9.642	9.107	1.951	9.642	3.235	-0.395	1.164	6.634	4.96	2.178	2.491	3.213	4.291	8.392	0.115	-0.211	1.108	4.9154	2.409183935	10	1	400	425	2040.275933	95.475	275	125	150		0	0.984	467350.8686	467350.8686	275	6448696.194	-137.5
L12	0.05	5.025	4.197	3.632	3.091	2.817	2.559	2.232	2.069	1.872	1.811	1.679	1.533	1.44	1.354	1.37	1.236	1.168	1.066	1.015	0.923	2.10445	3.067916243	1	1	200	225	685.9541895	-16.88	187.5	150	175		0	72.782	467349.2024	467349.2024	187.5	6448698.081	-25
L12	0.05	9.432	7.765	7.072	6.204	5.583	4.935	4.525	4.009	3.726	3.523	3.216	3.153	2.898	2.735	2.472	2.256	2.345	2.229	1.98	2.056	4.1057	2.385906212	2	1	225	250	1720.813659	92.829	200	150	175		0	45.646	467347.5362	467347.5362	200	6448699.968	-37.5
L12	0.05	10.099	8.431	7.473	6.345	5.802	5.464	4.895	4.199	3.855	3.781	3.519	3.396	2.945	2.925	2.853	2.55	2.488	2.429	2.188	2.083	4.386	1.466052527	3	1	250	275	2991.707268	-90.887	212.5	150	175		0	31.743	467345.87	467345.87	212.5	6448701.855	-50
L12	0.05	3.206	2.221	3.037	2.91	2.707	1.995	1.794	2.119	1.799	1.687	0.672	1.476	1.404	1.075	1.169	0.606	1.638	1.37	1.306	0.941	1.7566	1.133980583	4	1	275	300	1549.056506	12.786	225	150	175		0	8.218	467344.2038	467344.2038	225	6448703.742	-62.5
L12	0.05	2.455	2.151	2.676	1.75	2.507	2.266	1.406	1.937	1.84	1.666	2.532	1.589	1.896	1.347	2.108	2.089	1.01	1.81	1.647	1.791	1.92365	1.100922917	5	1	300	325	1747.30671	39.372	237.5	150	175		0	5.297	467342.5375	467342.5375	237.5	6448705.629	-75
L12	0.05	2.536	2.11	2.462	1.501	3.098	2.496	1.235	1.598	1.56	2.156	1.294	1.813	1.98	0.802	2.236	1.33	0.985	1.447	1.478	0.829	1.7473	0.579791994	6	1	325	350	3013.667001	-27.14	250	150	175		0	5.71	467340.8713	467340.8713	250	6448707.516	-87.5
L12	0.05	5.111	3.633	4.509	2.62	3.801	3.444	2.618	2.143	0.947	2.484	1.311	2.192	1.492	1.192	1.641	0.87	1.013	1.591	1.04	1.436	2.2544	0.552397739	7	1	350	375	4081.117353	-32.389	262.5	150	175		0	5.155	467339.2051	467339.2051	262.5	6448709.403	-100
L12	0.05	4.309	4.821	4.324	3.516	6.235	3.355	0.793	2.865	3.655	2.636	0.883	2.837	4.276	2.33	3.059	2.198	2.154	1.138	2.115	1.592	2.95455	0.686208501	8	1	375	400	4305.615564	32.398	275	150	175		0	3.807	467337.5389	467337.5389	275	6448711.29	-112.5
L12	0.05	1.766	5.308	2.12	2.522	1.237	2.583	4.658	4.032	1.41	0.652	1.172	3.521	2.153	1.277	0.764	1.829	3.219	0.694	2.851	-3.599	2.00845	0.568707321	9	1	400	425	3531.605674	56.007	287.5	150	175		0	2.271	467335.8727	467335.8727	287.5	6448713.177	-125
L12	0.05	1.33	-4.862	11.6	7.375	11.437	13.38	2.632	-5.556	5.039	6.499	0.706	-0.344	5.003	4.755	9.735	-1.398	3.833	1.922	-5.434	2.798	3.5225	1.147877328	10	1	425	450	3068.707704	35.192	300	150	175		0	1.48	467334.2064	467334.2064	300	6448715.065	-137.5
L12	0.05	3.119	2.855	2.597	2.393	2.213	1.924	1.837	1.672	1.526	1.499	1.389	1.337	1.257	1.218	1.176	1.083	0.999	0.964	0.852	0.74	1.6325	3.532448858	1	1	225	250	462.1439873	86.414	212.5	175	200		0	49.035	467332.5402	467332.5402	212.5	6448716.952	-25
L12	0.05	0.774	0.944	0.96	0.926	1.346	0.877	1.19	1.058	0.881	0.74	0.655	0.618	0.936	0.81	0.733	0.566	0.698	0.551	0.492	0.235	0.7995	1.111964984	2	1	250	275	718.9974611	-85.304	225	175	200		0	19.072	467330.874	467330.874	225	6448718.839	-37.5
L12	0.05	3.257	3.4	1.821	2.529	1.824	0.085	1.143	0.923	0.282	0.508	1.144	1.762	0.615	0.151	-0.005	0.561	-0.093	0.144	0.041	-0.343	0.98745	2.294103329	3	1	275	300	430.4296095	13.373	237.5	175	200		0	4.567	467329.2078	467329.2078	237.5	6448720.726	-50
L12	0.05	8.051	6.964	4.483	2.585	4.183	2.408	3.114	2.84	2.67	2.756	0.628	0.942	2.882	1.535	1.885	0.87	1.485	1.095	1.367	0.96	2.68515	5.79071674	4	1	300	325	463.6990757	35.347	250	175	200		0	2.46	467327.5416	467327.5416	250	6448722.613	-62.5
L12	0.05	7.402	7.741	5.21	4.362	4.971	1.86	2.592	1.815	0.519	1.832	0.66	3.213	2.593	1.647	2.242	1.558	0.613	0.962	0.739	0.404	2.64675	3.210757413	5	1	325	350	824.3382043	-27.131	262.5	175	200		0	2.499	467325.8753	467325.8753	262.5	6448724.5	-75
L12	0.05	6.123	5.262	6.368	5.023	3.234	0.033	3.903	4.047	1.882	3.025	1.97	2.894	3.668	1.845	1.123	1.025	-0.162	1.141	0.844	-0.894	2.6177	2.365169599	6	1	350	375	1106.770525	-32.738	275	175	200		0	2.097	467324.2091	467324.2091	275	6448726.387	-87.5
L12	0.05	4.948	8.379	4.516	4.661	6.126	1.74	4.023	2.428	0.78	-0.257	-1.01	0.814	1.251	1.167	0.98	2.314	0.26	1.748	1.174	0.835	2.34385	2.033377558	7	1	375	400	1152.688044	29.948	287.5	175	200		0	1.456	467322.5429	467322.5429	287.5	6448728.274	-100
L12	0.05	1.844	12.217	1.977	5.096	1.871	-4.723	-0.284	0.235	6.601	3.589	-0.957	2.949	5.962	4.264	-5.006	1.457	-3.717	3.022	4.842	-1.16	2.00395	2.262938472	8	1	400	425	885.5521372	37.983	300	175	200		0	0.783	467320.8767	467320.8767	300	6448730.161	-112.5
L12	0.05	2.488	7.178	4.306	5.596	-4.158	-4.449	4.487	1.355	1.046	-6.292	-1.111	-1.981	2.922	-15.481	12.234	-1.905	-4.718	3.165	-0.699	-3.124	0.04295	0.057539603	9	1	425	450	746.4424145	26.597	312.5	175	200		0	0.48	467319.2105	467319.2105	312.5	6448732.048	-125
L12	0.05	-10.421	-2.607	8.153	9.168	30.21	-23.024	-16.345	2.596	-16.615	-15.325	-23.001	-8.719	-9.333	-10.244	-24.268	6.059	-25.769	-8.056	-17.351	-11.617	-8.32545	-10.13955097	10	1	450	475	821.0866559	62.113	325	175	200		0	0.396	467317.5442	467317.5442	325	6448733.935	-137.5
L12	0.2	10.56	9.034	7.89	7.003	6.28	5.695	5.187	4.76	4.398	4.089	3.808	3.553	3.336	3.13	2.951	2.788	2.649	2.505	2.384	2.263	4.71315	0.800743205	1	1	250	275	5885.969401	-87.802	237.5	200	225		0	2498.083	467315.878	467315.878	237.5	6448735.823	-25
L12	0.2	8.47	7.125	6.223	5.487	4.875	4.41	3.984	3.671	3.381	3.099	2.887	2.675	2.505	2.332	2.184	2.073	1.958	1.826	1.755	1.664	3.6292	1.112147873	2	1	275	300	3263.235121	13.245	250	200	225		0	346.24	467314.2118	467314.2118	250	6448737.71	-37.5
L12	0.2	7.214	6.204	5.411	4.831	4.302	3.839	3.496	3.254	2.931	2.773	2.596	2.403	2.275	2.108	1.953	1.893	1.834	1.704	1.647	1.502	3.2085	1.316011455	3	1	300	325	2438.048687	-33.647	262.5	200	225		0	103.474	467312.5456	467312.5456	262.5	6448739.597	-50
L12	0.2	7.409	6.203	5.402	4.75	4.227	3.818	3.389	3.134	2.943	2.684	2.542	2.333	2.172	2.026	1.951	1.801	1.657	1.473	1.499	1.35	3.13815	0.748831792	4	1	325	350	4190.72752	-27.546	275	200	225		0	88.93	467310.8794	467310.8794	275	6448741.484	-62.5
L12	0.2	7.468	6.458	5.651	4.96	4.387	3.893	3.467	3.164	2.788	2.75	2.653	2.381	2.199	2.087	1.948	1.835	1.727	1.576	1.688	1.404	3.2242	0.605647091	5	1	350	375	5323.562269	-33.721	287.5	200	225		0	64.554	467309.2131	467309.2131	287.5	6448743.371	-75
L12	0.2	7.577	6.367	5.51	4.962	4.424	4.057	3.453	3.629	3.014	2.937	2.488	2.562	2.213	2.217	2.077	1.79	1.94	1.717	1.658	1.496	3.3044	0.606642344	6	1	375	400	5447.031573	29.738	300	200	225		0	41.282	467307.5469	467307.5469	300	6448745.258	-87.5
L12	0.2	6.881	6.956	5.641	4.934	4.446	3.966	3.459	2.598	2.087	2.803	2.517	2.651	1.901	1.771	1.544	1.632	1.565	1.313	1.604	1.388	3.08285	0.770146667	7	1	400	425	4002.938819	29.356	312.5	200	225		0	20.225	467305.8807	467305.8807	312.5	6448747.145	-100

L12	0.2	5.947	5.362	4.951	4.725	3.738	4.582	2.654	2.802	2.125	2.179	2.531	1.809	1.436	1.558	1.424	1.474	1.807	1.136	1.946	0.629	2.74075	0.855176024	8	1	425	450	3204.895746	25.648	325	200	225		0	11.335	467304.2145	467304.2145	325	6448749.032	-112.5
L12	0.2	7.541	6.234	5.364	5.444	4.21	5.723	3.596	2.783	2.576	2.858	2.466	1.893	1.468	1.619	1.837	1.174	2.308	0.968	2.632	0.582	3.1638	0.93079376	9	1	450	475	3399.034391	43.731	337.5	200	225		0	8.743	467302.5483	467302.5483	337.5	6448750.919	-125
L12	0.2	9.018	6.18	4.827	5.477	4.608	3.214	2.589	3.567	2.969	3.753	3.363	1.507	1.525	2.008	1.378	1.344	2.921	2.487	1.647	0.871	3.26265	0.68939145	10	1	475	500	4732.652253	83.754	350	200	225		0	9.13	467300.882	467300.882	350	6448752.806	-137.5
L12	0.5	10.104	8.721	7.673	6.854	6.18	5.634	5.161	4.766	4.414	4.114	3.838	3.6	3.397	3.206	3.028	2.867	2.714	2.583	2.465	2.356	4.68375	1.990026308	1	1	275	300	2353.612101	9.76	262.5	225	250		0	2497.26	467299.2158	467299.2158	262.5	6448754.694	-25
L12	0.5	10.58	9.174	8.116	7.281	6.59	6.016	5.537	5.12	4.766	4.445	4.175	3.939	3.691	3.499	3.298	3.128	2.98	2.833	2.71	2.597	5.02375	1.785685577	2	1	300	325	2813.34523	28.576	275	225	250		0	746.263	467297.5496	467297.5496	275	6448756.581	-37.5
L12	0.5	10.855	9.36	8.227	7.343	6.615	6.027	5.514	5.065	4.697	4.366	4.084	3.828	3.598	3.401	3.19	3.022	2.869	2.735	2.612	2.496	4.9952	0.875837911	3	1	325	350	5703.33841	-29.132	287.5	225	250		0	605.143	467295.8834	467295.8834	287.5	6448758.468	-50
L12	0.5	10.83	9.358	8.254	7.389	6.674	6.066	5.582	5.149	4.773	4.456	4.178	3.943	3.682	3.491	3.274	3.102	2.937	2.785	2.663	2.551	5.05685	0.664392107	4	1	350	375	7611.243336	-34.305	300	225	250		0	403.789	467294.2172	467294.2172	300	6448760.355	-62.5
L12	0.5	11.16	9.637	8.496	7.586	6.848	6.249	5.729	5.289	4.893	4.591	4.291	4.043	3.822	3.614	3.357	3.2	3.02	2.894	2.79	2.678	5.20935	0.629148755	5	1	375	400	8279.997306	28.412	312.5	225	250		0	251.01	467292.5509	467292.5509	312.5	6448762.242	-75
L12	0.5	10.552	9.084	7.993	7.112	6.422	5.88	5.387	4.966	4.562	4.312	4.102	3.785	3.611	3.371	3.152	2.933	2.749	2.635	2.54	2.464	4.8806	0.774732213	6	1	400	425	6299.725164	23.59	325	225	250		0	119.361	467290.8847	467290.8847	325	6448764.129	-87.5
L12	0.5	10.1	8.772	7.701	6.856	6.121	5.576	5.054	4.745	4.286	4.065	3.861	3.583	3.406	3.297	3.023	2.772	2.713	2.56	2.5	2.394	4.66925	0.920280024	7	1	425	450	5073.727428	26.881	337.5	225	250		0	64.088	467289.2185	467289.2185	337.5	6448766.016	-100
L12	0.5	10.453	9.079	7.749	7.139	6.446	5.842	5.342	5.002	4.702	4.331	4.002	4.003	3.672	3.431	3.308	2.757	2.762	2.551	2.498	2.505	4.8787	0.891540331	8	1	450	475	5472.21458	36.437	350	225	250		0	48.385	467287.5523	467287.5523	350	6448767.903	-112.5
L12	0.5	11.839	10.217	9.137	8.085	7.125	6.762	5.847	5.469	5.057	4.787	4.434	4.294	3.924	3.687	3.434	3.296	3.278	2.925	2.655	2.64	5.4446	0.709079619	9	1	475	500	7678.404304	57.455	362.5	225	250		0	49.376	467285.8861	467285.8861	362.5	6448769.79	-125
L12	0.5	13.28	11.536	10.122	9.189	8.163	7.365	6.649	6.137	5.751	5.632	5.22	4.823	4.662	4.457	4.036	3.743	3.4	3.303	3.207	3.185	6.193	0.611975529	10	1	500	525	10119.68569	-35.465	375	225	250		0	48.806	467284.2198	467284.2198	375	6448771.677	-137.5
L12	0.5	8.62	7.519	6.686	6.024	5.49	5.041	4.658	4.33	4.045	3.795	3.568	3.363	3.174	3.006	2.86	2.721	2.601	2.487	2.383	2.281	4.2326	3.617669656	1	1	300	325	1169.979684	33.234	287.5	250	275		0	1241.387	467282.5536	467282.5536	287.5	6448773.565	-25
L12	0.5	8.677	7.502	6.618	5.931	5.371	4.902	4.512	4.18	3.884	3.624	3.402	3.199	3.008	2.853	2.7	2.566	2.437	2.33	2.228	2.131	4.10275	1.588083536	2	1	325	350	2583.459816	-25.625	300	250	275		0	685.284	467280.8874	467280.8874	300	6448775.452	-37.5
L12	0.5	8.478	7.38	6.532	5.858	5.344	4.914	4.522	4.186	3.904	3.652	3.442	3.233	3.034	2.888	2.759	2.595	2.485	2.372	2.265	2.175	4.1009	1.128523087	3	1	350	375	3633.864514	-31.182	312.5	250	275		0	385.565	467279.2212	467279.2212	312.5	6448777.339	-50
L12	0.5	8.921	7.755	6.85	6.152	5.607	5.134	4.695	4.388	4.09	3.8	3.593	3.401	3.208	3.037	2.907	2.771	2.625	2.513	2.403	2.307	4.30785	1.021195918	4	1	375	400	4218.436367	27.606	325	250	275		0	223.795	467277.555	467277.555	325	6448779.226	-62.5
L12	0.5	8.344	7.206	6.404	5.702	5.243	4.883	4.408	4.067	3.829	3.541	3.373	3.075	2.923	2.76	2.679	2.45	2.393	2.346	2.2	2.138	3.9982	1.208823768	5	1	400	425	3307.512728	19.137	337.5	250	275		0	100.268	467275.8887	467275.8887	337.5	6448781.113	-75
L12	0.5	7.384	6.441	5.769	5.058	4.48	4.251	3.658	3.61	3.393	3.198	3.067	2.879	2.62	2.588	2.21	1.935	1.944	2.033	1.917	1.907	3.5171	1.297252304	6	1	425	450	2711.191947	30.647	350	250	275		0	51.369	467274.2225	467274.2225	350	6448783	-87.5
L12	0.5	7.864	6.99	5.988	5.458	4.865	4.685	4.166	3.988	3.755	3.355	3.127	3.177	2.817	2.657	3.06	2.885	2.428	2.468	2.022	2.223	3.8989	1.323133441	7	1	450	475	2946.717148	30.906	362.5	250	275		0	37.221	467272.5563	467272.5563	362.5	6448784.887	-100
L12	0.5	9.513	7.977	7.044	6.226	5.804	5.532	4.791	4.656	4.29	3.88	3.817	3.137	3.29	3.134	2.964	2.653	2.517	2.724	2.217	2.545	4.43555	1.062554122	8	1	475	500	4174.422654	45.753	375	250	275		0	36.91	467270.8901	467270.8901	375	6448786.774	-112.5
L12	0.5	10.715	9.315	8.13	7.263	6.573	6.302	5.635	5.08	4.998	4.728	4.334	3.938	3.623	3.573	3.272	2.847	3.199	2.977	2.845	2.887	5.1117	0.918204445	9	1	500	525	5567.060833	-31.812	387.5	250	275		0	35.799	467269.2239	467269.2239	387.5	6448788.661	-125
L12	0.5	11.248	9.571	8.632	7.485	6.995	6.464	5.947	5.664	5.111	4.811	4.576	4.366	4.043	3.777	3.854	3.696	3.204	3.299	3.063	3.096	5.4451	0.895151103	10	1	525	550	6082.883643	70.945	400	250	275		0	29.337	467267.5576	467267.5576	400	6448790.548	-137.5
L12	0.5	7.564	6.509	5.721	5.113	4.613	4.201	3.86	3.563	3.306	3.085	2.886	2.705	2.55	2.409	2.281	2.161	2.053	1.956	1.865	1.785	3.5093	2.437646405	1	1	325	350	1439.626351	-29.678	312.5	275	300		0	1527.491	467265.8914	467265.8914	312.5	6448792.435	-25
L12	0.5	7.402	6.403	5.676	5.075	4.606	4.211	3.868	3.58	3.33	3.112	2.897	2.738	2.566	2.43	2.293	2.187	2.085	1.982	1.899	1.803	3.50715	1.538299442	2	1	350	375	2279.887718	-34.844	325	275	300		0	604.759	467264.2252	467264.2252	325	6448794.323	-37.5
L12	0.5	8.045	6.929	6.116	5.525	4.993	4.512	4.153	3.903	3.624	3.387	3.166	2.974	2.808	2.674	2.521	2.378	2.237	2.202	2.055	1.973	3.80875	1.319121957	3	1	375	400	2887.337277	26.667	337.5	275	300		0	306.356	467262.559	467262.559	337.5	6448796.21	-50
L12	0.5	7.884	6.712	6.022	5.318	4.872	4.433	4.041	3.765	3.494	3.279	3.003	2.826	2.626	2.491	2.393	2.314	2.204	2.081	1.979	1.886	3.68115	1.605629191	4	1	400	425	2292.652637	14.169	350	275	300		0	121.629	467260.8928	467260.8928	350	6448798.097	-62.5
L12	0.5	6.821	5.901	5.192	4.894	4.299	3.806	3.553	3.505	3.246	2.908	2.869	2.547	2.38	2.331	2.191	2.081	1.886	1.96	1.749	1.779	3.2949	1.780334057	5	1	425	450	1850.720086	32.26	362.5	275	300		0	56.105	467259.2265	467259.2265	362.5	6448799.984	-75
L12	0.5	6.707	5.827	4.929	4.672	4.2	3.491	3.303	3.005	2.806	2.642	2.635	2.085	1.995	2.193	1.877	1.757	1.275	1.884	1.52	1.453	3.0128	1.549163399	6	1	450	475	1944.791622	25.916	375	275	300		0	36.848	467257.5603	467257.5603	375	6448801.871	-87.5
L12	0.5	9.238	7.652	7.078	6.638	5.81	4.992	4.845	4.551	4.348	4.148	3.848	3.733	3.424	3.34	3.086	3.093	2.817	2.971	2.799	2.723	4.5567	1.685572623	7	1	475	500	2703.354301	39.798	387.5	275	300		0	34.147	467255.8941	467255.8941	387.5	6448803.758	-100
L12	0.5	10.151	8.552	7.551	7.153	6.211	5.45	5.137	4.809	4.46	4.206	3.985	3.588	3.382	3.069	3.143	2.897	2.709	2.629	2.656	2.314	4.7026	1.313996747	8	1	500	525	3578.852085	-26.431	400	275	300		0	31.644	467254.2279	467254.2279	400	6448805.645	-112.5
L12	0.5	10.919	9.089	8.349	7.831	6.796	5.986	5.632	5.061	4.852	4.383	4.209	3.994	3.369	3.58	3.011	3.167	2.832	3.017	2.755	2.467	5.06495	1.286494249	9	1	525	550	3937.01721	42.182	412.5	275	300		0	25.317	467252.5617	467252.5617	412.5	6448807.532	-125
L12	0.5	9.875	8.284	8.274	7.535	6.75	5.348	5.265	5.132	5.136	4.645	3.818	3.328	3.061	3.194	2.962	3.065	2.301	2.379	1.972	2.388	4.7356	1.254212884	10	1	550	575	3775.754547	-5.798	425	275	300		0	18.21	467250.8954	467250.8954	425	6448809.419	-137.5
L12	0.5	7.415	6.41	5.663	5.064	4.587	4.181	3.839	3.55	3.29	3.107	2.89	2.704	2.552	2.411	2.284	2.164	2.06	1.955	1.858	1.787	3.48855	3.822466695	1	1	350	375	912.6436614	-29.339	337.5	300	325		0	968.345	467249.2292	467249.2292	337.5	6448811.306	-25
L12	0.5	8.56	7.37	6.507	5.852	5.272	4.829	4.412	4.092	3.802	3.456	3.31	3.124	2.939	2.797	2.641	2.522	2.396	2.287	2.168	2.068	4.0202	2.289936074	2	1	375	400	1755.59486	26.404	350	300	325		0	465.686	467247.563	467247.563	350	6448813.194	-37.5
L12	0.5	8.573	7.323	6.51	5.825	5.228	4.828	4.336	4.022	3.761	3.49	3.309	2.987	2.92	2.738	2.627	2.46	2.366	2.254	2.085	1.999	3.98205	2.468299084	3	1	400	425	1613.276943	11.948	362.5	300	325		0	171.174	467245.8968	467245.8968	362.5	6448815.081	-50

L12	0.5	7.9	6.792	6.037	5.496	4.852	4.566	4.081	3.866	3.568	3.171	3.086	2.966	2.723	2.643	2.387	2.393	2.259	2.227	2.039	1.963	3.75075	2.72427085 6	4	1	425	450	1376.790414	34.599	375	300	325		0	73.041	467244.2306	467244.2306	375	6448816.968	-62.5
L12	0.5	8.182	6.929	6.272	5.472	4.934	4.624	4.057	3.807	3.514	3.158	3.088	2.644	2.762	2.597	2.519	2.205	2.352	2.179	1.901	1.661	3.74285	2.51720091 3	5	1	450	475	1486.90952	23.445	387.5	300	325		0	45.076	467242.5643	467242.5643	387.5	6448818.855	-75
L12	0.5	9.621	8.139	7.474	6.796	5.886	5.6	4.93	4.503	4.081	2.968	3.485	2.895	3.095	2.96	3.122	2.837	3.124	3.026	2.576	2.114	4.4616	2.14722271 8	6	1	475	500	2077.846868	38.015	400	300	325		0	39.369	467240.8981	467240.8981	400	6448820.742	-87.5
L12	0.5	10.606	9.007	7.914	7.215	6.439	6.091	5.516	5.259	4.625	5.371	4.799	4.018	3.749	3.773	3.599	2.965	3.271	2.95	2.588	2.866	5.13105	1.83400948 4	7	1	500	525	2797.722718	-24.064	412.5	300	325		0	35.339	467239.2319	467239.2319	412.5	6448822.629	-100
L12	0.5	11.577	9.94	8.709	8.077	7.343	6.85	6.084	5.375	5.204	4.756	4.678	3.698	3.804	3.593	3.77	3.262	3.639	3.286	3.053	2.716	5.4707	1.72694067 8	8	1	525	550	3167.856368	30.028	425	300	325		0	28.01	467237.5657	467237.5657	425	6448824.516	-112.5
L12	0.5	10.744	9.648	8.468	7.659	7.384	6.277	5.247	5.44	4.89	3.794	4.364	3.29	4.007	3.697	3.664	3.21	3.452	2.811	3.021	2.694	5.18805	1.69306114 2	9	1	550	575	3064.30162	-13.621	437.5	300	325		0	19.705	467235.8995	467235.8995	437.5	6448826.403	-125
L12	0.5	10.871	9.466	8.841	8.037	7.207	6.381	5.601	5.319	4.426	3.751	4.403	3.604	3.56	3.925	3.366	3.482	3.53	2.924	2.128	2.412	5.1617	1.19580384 9	10	1	575	600	4316.510607	51.26	450	300	325		0	20.818	467234.2332	467234.2332	450	6448828.29	-137.5
L12	0.5	8.777	7.553	6.646	5.949	5.393	4.922	4.524	4.202	3.91	3.656	3.426	3.23	3.053	2.893	2.747	2.612	2.488	2.379	2.28	2.185	4.14125	1.50229557 1	1	1	375	400	2756.614664	21.786	362.5	325	350		0	2924.859	467232.567	467232.567	362.5	6448830.177	-25
L12	0.5	8.786	7.575	6.666	5.958	5.384	4.913	4.517	4.168	3.873	3.617	3.383	3.183	3.004	2.838	2.681	2.564	2.429	2.315	2.209	2.116	4.10895	1.53822996 5	2	1	400	425	2671.219578	8.602	375	325	350		0	708.563	467230.9008	467230.9008	375	6448832.065	-37.5
L12	0.5	8.465	7.265	6.424	5.737	5.196	4.725	4.335	4.029	3.717	3.494	3.256	3.06	2.889	2.742	2.576	2.438	2.323	2.221	2.107	2.038	3.95185	1.52817159 9	3	1	425	450	2585.998851	35.479	387.5	325	350		0	274.383	467229.2346	467229.2346	387.5	6448833.952	-50
L12	0.5	8.926	7.707	6.824	6.087	5.508	5.082	4.618	4.259	4.003	3.716	3.512	3.286	3.091	2.957	2.741	2.663	2.552	2.428	2.286	2.185	4.22155	1.47778756 5	4	1	450	475	2856.669049	21.14	400	325	350		0	151.551	467227.5684	467227.5684	400	6448835.839	-62.5
L12	0.5	9.105	7.789	6.905	6.135	5.579	5.072	4.591	4.306	4.062	3.778	3.501	3.256	3.054	2.918	2.784	2.613	2.521	2.407	2.314	2.145	4.24175	1.03003536 7	5	1	475	500	4118.062482	35.17	412.5	325	350		0	124.84	467225.9021	467225.9021	412.5	6448837.726	-75
L12	0.5	11.038	9.48	8.364	7.552	6.895	6.261	5.666	5.296	4.925	4.613	4.334	4.024	3.694	3.653	3.428	3.237	3.127	2.909	2.773	2.672	5.19705	0.93603105 5	6	1	500	525	5552.219635	-19.624	425	325	350		0	105.198	467224.2359	467224.2359	425	6448839.613	-87.5
L12	0.5	11.461	9.886	8.571	7.746	7.032	6.38	5.679	5.347	5.041	4.638	4.224	4.002	3.787	3.632	3.418	3.198	3.113	2.89	2.837	2.558	5.272	0.86917157 3	7	1	525	550	6065.545821	20.781	437.5	325	350		0	76.616	467222.5697	467222.5697	437.5	6448841.5	-100
L12	0.5	10.837	9.102	8.003	7.24	6.582	5.969	5.372	4.969	4.641	4.464	4.115	3.85	3.458	3.501	3.319	3.009	3.018	2.733	2.59	2.56	4.9666	0.80809645 4	8	1	550	575	6146.048505	-13.758	450	325	350		0	54.343	467220.9035	467220.9035	450	6448843.387	-112.5
L12	0.5	10.863	9.287	8.273	7.453	6.54	6.09	5.36	5.096	4.737	4.472	4.215	3.948	3.641	3.415	3.151	3.079	2.832	2.796	2.596	2.55	5.0197	0.56014984 9	9	1	575	600	8961.352204	32.864	462.5	325	350		0	57.626	467219.2373	467219.2373	462.5	6448845.274	-125
L12	0.5	10.6	8.643	7.708	7.153	6.816	5.612	5.138	4.706	4.551	4.315	3.931	3.791	3.498	3.189	3.093	2.664	2.732	2.478	2.514	2.346	4.7739	0.70392359 1	10	1	600	625	6781.844026	15.513	475	325	350		0	32.708	467217.571	467217.571	475	6448847.161	-137.5
L12	0.1	8.853	7.644	6.735	6.048	5.462	4.993	4.586	4.252	3.968	3.724	3.531	3.3	3.102	2.925	2.779	2.663	2.528	2.434	2.331	2.247	4.20525	1.96966374 6	1	1	400	425	2135.009089	7.238	387.5	350	375		0	453.063	467215.9048	467215.9048	387.5	6448849.048	-25
L12	0.1	8.233	7.043	6.172	5.488	5.121	4.699	4.338	4.063	3.696	3.451	3.19	2.999	2.939	2.892	2.683	2.574	2.463	2.258	2.177	2.089	3.9284	2.05636117 9	2	1	425	450	1910.364794	36.636	400	350	375		0	101.348	467214.2386	467214.2386	400	6448850.935	-37.5
L12	0.1	8.411	7.293	6.402	5.711	5.469	4.92	4.318	4.019	3.723	3.55	3.499	3.192	2.704	2.859	2.415	2.52	2.355	2.276	2.088	2.102	3.9913	1.84126123 3	3	1	450	475	2167.698931	19.921	412.5	350	375		0	46	467212.5724	467212.5724	412.5	6448852.823	-50
L12	0.1	9.152	7.835	7.084	6.264	5.775	5.028	4.857	4.295	4.202	3.724	3.376	3.315	3.281	2.923	2.798	2.824	2.581	2.386	2.432	2.446	4.3289	1.39650518 5	4	1	475	500	3099.809471	33.418	425	350	375		0	32.89	467210.9062	467210.9062	425	6448854.71	-62.5
L12	0.1	10.745	8.857	7.968	7.339	6.597	6.258	5.371	4.906	4.791	4.188	4.577	4.112	3.536	3.533	3.389	3.066	3.049	3.2	2.798	2.564	5.0422	1.18112613 6	5	1	500	525	4268.976739	-15.821	437.5	350	375		0	25.883	467209.2399	467209.2399	437.5	6448856.597	-75
L12	0.1	11.46	9.279	7.84	7.674	6.58	5.981	5.584	5.372	4.937	4.095	4.917	4.455	3.636	3.788	3.747	3.226	2.902	3.088	3.026	2.711	5.2149	1.05276009 9	6	1	525	550	4953.550199	13.554	450	350	375		0	18.771	467207.5737	467207.5737	450	6448858.484	-87.5
L12	0.1	11.955	9.003	8.852	7.757	6.144	5.547	5.566	3.807	4.667	4.586	4.07	2.877	3.148	3.026	3.928	2.553	3.174	2.66	2.936	2.419	4.93375	0.98763703 4	7	1	550	575	4995.50931	-12.644	462.5	350	375		0	12.62	467205.9075	467205.9075	462.5	6448860.371	-100
L12	0.1	10.614	9.578	7.638	7.331	6.133	6.5	5.988	5.156	4.952	5.142	4.149	3.345	3.455	3.499	3.381	2.986	3.066	2.596	3.205	3.411	5.10625	0.70961355 9	8	1	575	600	7195.817973	25.956	475	350	375		0	12.725	467204.2413	467204.2413	475	6448862.258	-112.5
L12	0.1	10.745	7.168	6.516	6.285	5.784	5.454	4.437	5.07	3.557	4.394	4.182	2.883	3.345	3.517	2.508	3.569	1.63	0.901	1.072	3.047	4.3032	0.79699710 4	9	1	600	625	5399.266798	-16.902	487.5	350	375		0	6.944	467202.5751	467202.5751	487.5	6448864.145	-125
L12	0.1	13.373	10.004	9.444	8.028	6.79	6.303	5.701	6.044	5.019	4.259	4.222	3.759	3.45	4.319	3.624	2.339	3.477	2.337	2.919	2.515	5.3963	0.83710812 1	10	1	625	650	6446.35963	-11.851	500	350	375		0	6.218	467200.9088	467200.9088	500	6448866.032	-137.5
L12	0.05	5.978	4.988	4.298	3.767	3.377	3.033	2.809	2.587	2.383	2.207	2.084	1.951	1.83	1.755	1.652	1.58	1.522	1.423	1.375	1.307	2.5953	1.53240371 4	1	1	425	450	1693.61375	38.326	412.5	375	400		0	179.698	467199.2426	467199.2426	412.5	6448867.919	-25
L12	0.05	7.868	6.734	6.102	5.449	4.773	4.487	4.051	3.754	3.65	3.284	3.163	2.998	2.813	2.713	2.566	2.436	2.269	2.226	2.089	1.994	3.77095	2.22609951 1	2	1	450	475	1693.971892	16.187	425	375	400		0	44.934	467197.5764	467197.5764	425	6448869.806	-37.5
L12	0.05	8.533	7.231	6.422	5.899	5.177	4.841	4.483	3.873	3.911	3.493	3.609	3.314	3.118	3.028	2.694	2.481	2.539	2.272	2.199	2.075	4.0596	1.63256874 6	3	1	475	500	2486.633417	30.937	437.5	375	400		0	26.384	467195.9102	467195.9102	437.5	6448871.694	-50
L12	0.05	10.023	8.567	7.751	7.208	6.246	5.921	5.175	4.949	4.542	4.147	4.162	3.985	3.663	3.554	3.41	3.179	3.068	2.922	2.917	2.667	4.9028	1.38728262 4	1	1	500	525	3534.10324	-9.631	450	375	400		0	18.749	467194.244	467194.244	450	6448873.581	-62.5
L12	0.05	10.448	8.904	7.721	7.507	6.839	6.176	5.076	4.261	4.626	3.756	3.808	3.493	3.239	3.246	3.021	2.743	3.051	2.65	2.131	1.934	4.7315	1.11122170 6	5	1	525	550	4257.926187	4.918	462.5	375	400		0	12.908	467192.5777	467192.5777	462.5	6448875.468	-75
L12	0.05	9.999	8.146	6.77	6.452	6.03	5.944	5.44	5.15	4.542	3.405	4.382	4.28	4.601	4.264	3.307	2.408	3.294	2.655	2.462	2.93	4.82305	1.09874246 1	6	1	550	575	4389.609185	-11.266	475	375	400		0	8.317	467190.9115	467190.9115	475	6448877.355	-87.5
L12	0.05	10.805	9.63	8.709	7.765	6.357	5.911	5.864	5.513	6.55	4.388	5.032	4.536	4.095	4.006	2.609	2.612	3.366	2.854	3.235	3.28	5.35585	0.83479254 7	7	1	575	600	6415.78565	23.068	487.5	375	400		0	8.104	467189.2453	467189.2453	487.5	6448879.242	-100
L12	0.05	10.746	8.164	7.515	7.571	4.864	4.37	3.092	4.17	4.416	2.846	5.477	2.831	4.011	3.428	3.392	0.84	3.539	2.246	2.324	3.315	4.45785	0.90946118 9	8	1	600	625	4901.638522	-23.255	500	375	400		0	4.334	467187.5791	467187.5791	500	6448881.129	-112.5
L12	0.05	12.509	10.825	8.808	7.303	5.941	4.237	3.231	5.186	5.435	3.338	7.041	4.291	4.793	1.973	3.023	3.693	2.657	2.583	4.145	3.585	5.22985	0.87739537 7	9	1	625	650	5960.653697	-17.537	512.5	375	400		0	3.833	467185.9129	467185.9129	512.5	6448883.016	-125

L12	0.05	-0.816	0.128	1.285	6.855	-1	-1.101	3.583	9.795	6.956	-0.926	-1.085	1.878	-1.026	0.347	5.108	2.325	-1.366	1.15	-0.335	5.169	1.8462	0.84478136	10	1	650	675	2185.417514	87.96	525	375	400		0	1.054	467184.2466	467184.2466	525	6448884.903	-137.5
L12	0.05	2.851	1.739	1.045	0.624	0.341	0.142	-0.006	-0.125	-0.199	-0.218	-0.273	-0.302	-0.301	-0.314	-0.323	-0.321	-0.323	-0.32	-0.383	-0.311	0.15115	0.04739357	1	1	450	475	3189.250614	18.949	437.5	400	425		0	338.39	467182.5804	467182.5804	437.5	6448886.79	-25
L12	0.05	8.109	6.938	6.097	5.458	5.011	4.446	4.116	3.793	3.564	3.101	2.951	2.882	2.617	2.629	2.557	2.484	2.452	2.348	2.461	2.184	3.8099	1.86458923	2	1	475	500	2043.291862	28.117	450	400	425		0	54.2	467180.9142	467180.9142	450	6448888.677	-37.5
L12	0.05	10.409	9.024	7.892	7.356	6.834	5.965	5.712	5.09	4.653	4.261	3.879	3.675	3.422	3.647	3.421	3.225	3.114	2.91	2.64	2.51	4.98195	1.75819495	3	1	500	525	2833.559494	-1.885	462.5	400	425		0	30.065	467179.248	467179.248	462.5	6448890.565	-50
L12	0.05	10.944	9.264	8.238	7.483	7.157	6.342	6.106	5.348	4.861	4.251	3.768	4.021	3.263	3.518	3.38	3.388	3.067	3.073	2.325	2.419	5.1108	1.48828829	4	1	525	550	3434.012098	-3.034	475	400	425		0	18.218	467177.5818	467177.5818	475	6448892.452	-62.5
L12	0.05	10.932	9.53	8.344	7.838	7.612	6.506	6.408	5.672	5.102	4.773	3.652	3.868	3.51	3.848	3.43	3.005	2.873	2.571	2.259	2.193	5.1963	1.40048911	5	1	550	575	3710.346588	-10.662	487.5	400	425		0	11.248	467175.9155	467175.9155	487.5	6448894.339	-75
L12	0.05	11.084	10.118	8.641	8.341	7.443	5.77	5.196	4.917	4.166	4.09	3.448	3.644	2.883	3.179	2.938	2.09	3.08	3.051	3.307	3.406	5.0396	0.91042512	6	1	575	600	5535.43599	17.421	500	400	425		0	10.488	467174.2493	467174.2493	500	6448896.226	-87.5
L12	0.05	10.7	9.822	9.2	9.352	6.949	6.518	5.474	5.47	4.247	4.132	3.259	5.212	3.377	3.347	2.878	2.227	2.188	2.44	2.528	3.738	5.1529	1.17785117	7	1	600	625	4374.831133	-26.798	512.5	400	425		0	5.526	467172.5831	467172.5831	512.5	6448898.113	-100
L12	0.05	11.767	11.63	11.057	9.161	7.992	5.416	5.704	4.493	4.036	4.604	3.532	6.344	3.664	4.019	2.201	1.463	2.795	3.987	3.298	4.82	5.59915	1.02309062	8	1	625	650	5472.780066	-20.011	525	400	425		0	4.839	467170.9169	467170.9169	525	6448900	-112.5
L12	0.05	7.76	8.331	10.229	7.08	10.196	3.076	2.917	5.469	1.803	3.12	2.989	3.499	3.156	4.569	1.487	1.234	3.962	2.923	2.383	0.198	4.31905	2.14302954	9	1	650	675	2015.394519	58.955	537.5	400	425		0	1.296	467169.2507	467169.2507	537.5	6448901.887	-125
L12	0.05	8.266	7.659	6.341	6.322	7.874	6.571	0.773	2.707	2.581	-4.146	5.294	6.506	3.89	10.403	2.364	1.839	3.221	3.308	5.809	16.12	5.1851	2.17264117	10	1	675	700	2386.542275	16.156	550	400	425		0	1.151	467167.5845	467167.5845	550	6448903.774	-137.5
L12	0.05	1.246	0.314	-0.224	-0.545	-0.768	-0.877	-0.939	-0.963	-0.968	-0.962	-0.941	-0.914	-0.887	-0.869	-0.858	-0.808	-0.775	-0.74	-0.704	-0.674	-0.6428	-0.20853420	1	1	475	500	3082.46788	25.044	462.5	425	450		0	327.06	467165.9182	467165.9182	462.5	6448905.661	-25
L12	0.05	6.853	5.963	5.192	4.695	4.302	3.898	3.697	3.381	3.166	2.825	2.626	2.652	2.482	2.283	2.088	2.072	1.846	1.917	1.768	1.612	3.2659	1.96865556	2	1	500	525	1658.949417	0.99	475	425	450		0	44.005	467164.252	467164.252	475	6448907.548	-37.5
L12	0.05	7.869	6.884	5.976	5.654	4.921	4.441	4.039	3.853	3.544	3.112	3.36	3.081	2.809	2.759	2.51	2.243	2.438	2.129	2.159	1.953	3.7867	1.9035455	3	1	525	550	1989.287884	-5.768	487.5	425	450		0	21.107	467162.5858	467162.5858	487.5	6448909.435	-50
L12	0.05	7.018	6.541	5.382	5.094	4.414	4.406	4.085	3.453	3.452	2.612	2.919	2.786	2.508	2.775	2.491	2.489	1.948	1.759	1.77	1.47	3.4686	1.57277730	4	1	550	575	2205.398043	-10.098	500	425	450		0	11.7	467160.9196	467160.9196	500	6448911.323	-62.5
L12	0.05	7.561	6.267	6.056	5.132	4.215	4.19	3.836	4.09	3.6	3.161	3.482	3.188	2.443	2.442	1.868	2.311	2.627	2.415	2.406	2.356	3.6823	1.12689038	5	1	575	600	3267.664767	16.45	512.5	425	450		0	9.906	467159.2534	467159.2534	512.5	6448913.21	-75
L12	0.05	6.405	5.988	5.108	4.951	3.341	3.28	3.821	4.069	4.64	3.521	3.679	2.12	3.004	2.722	1.12	3.195	3.787	2.582	2.838	2.462	3.63165	1.38059659	6	1	600	625	2630.493228	-29.04	525	425	450		0	4.984	467157.5871	467157.5871	525	6448915.097	-87.5
L12	0.05	8.936	6.772	6.493	6.079	3.52	4.803	6.168	3.976	4.562	2.437	3.073	3.163	3.052	1.134	3.688	3.997	2.721	3.52	3.384	1.825	4.16515	1.23501045	7	1	625	650	3372.562545	-26.608	537.5	425	450		0	4.26	467155.9209	467155.9209	537.5	6448916.984	-100
L12	0.05	7.914	1.181	5.262	6.375	-0.192	5.683	2.028	9.394	0.468	-0.222	9.555	6.071	-3.508	5.288	0.239	3.524	1.606	-0.976	-0.717	-2.874	2.80495	2.25876167	8	1	650	675	1241.808744	60.323	550	425	450		0	1.098	467154.2547	467154.2547	550	6448918.871	-112.5
L12	0.05	7.848	-3.891	2.77	-1.946	-1.337	-2.623	2.343	1.173	-1.291	-1.336	-1.946	2.075	-0.035	-7.901	-0.442	1.821	2.055	8.749	1.266	-1.746	0.2803	0.20789733	9	1	675	700	1348.261611	51.26	562.5	425	450		0	0.867	467152.5885	467152.5885	562.5	6448920.758	-125
L12	0.05	8.052	13.408	-2.59	0.076	2.156	-7.503	17.742	19.515	15.547	2.051	14.881	11.185	-3.194	2.114	-4.411	-11.591	1.664	21.501	4.677	0.468	5.2874	4.96118291	10	1	700	725	1065.753892	-17.736	575	425	450		0	0.514	467150.9223	467150.9223	575	6448922.645	-137.5
L12	0.05	5.446	4.037	3.107	2.48	2.034	1.691	1.419	1.213	1.061	0.93	0.824	0.753	0.707	0.649	0.611	0.551	0.503	0.471	0.445	0.449	1.46905	0.52268185	3	1	500	525	2810.600735	-2.935	487.5	450	475		0	298.214	467149.256	467149.256	487.5	6448924.532	-25
L12	0.05	8.896	7.523	6.659	5.948	5.363	4.936	4.407	3.948	3.546	3.362	3.143	2.941	2.955	2.776	2.662	2.401	2.203	1.987	1.953	1.849	3.9729	2.00942788	2	1	525	550	1977.129921	-5.605	500	450	475		0	52.445	467147.5898	467147.5898	500	6448926.419	-37.5
L12	0.05	9.603	8.165	7.055	6.56	5.889	5.415	4.668	4.234	4.058	3.677	3.341	3.241	3.213	2.886	3.111	2.659	2.337	2.255	2.256	2.136	4.33795	1.80088735	3	1	550	575	2408.784751	-7.794	512.5	450	475		0	25.558	467145.9236	467145.9236	512.5	6448928.306	-50
L12	0.05	10.254	8.888	8.109	7.098	6.469	5.823	5.104	4.19	3.936	4.048	3.796	3.787	3.819	3.467	3.114	2.843	2.519	2.167	2.467	2.272	4.7085	1.29012335	4	1	575	600	3649.651018	12.125	525	450	475		0	19.362	467144.2574	467144.2574	525	6448930.194	-62.5
L12	0.05	10.264	9.146	7.383	6.689	6.335	5.502	4.428	4.042	3.911	3.765	3.993	3.402	3.267	2.519	2.69	1.777	1.622	1.885	2.038	1.925	4.32915	1.39839281	5	1	600	625	3095.803941	-29.933	537.5	450	475		0	9.385	467142.5912	467142.5912	537.5	6448932.081	-75
L12	0.05	11.265	10.513	7.933	6.747	6.583	5.642	4.271	4.248	4.128	4.129	4.024	3.662	3.199	2.632	3.181	1.991	1.195	2.042	2.147	2.474	4.6003	1.10429446	6	1	625	650	4165.827257	-28.319	550	450	475		0	7.893	467140.9249	467140.9249	550	6448933.968	-87.5
L12	0.05	6.951	9.724	4.808	7.282	6.407	7.277	5.38	5.852	3.231	7.174	3.203	5.236	4.558	4.08	4.222	2.821	3.317	4.488	1.778	4.896	5.13425	3.24912231	7	1	650	675	1580.195972	57.379	562.5	450	475		0	1.996	467139.2587	467139.2587	562.5	6448935.855	-100
L12	0.05	8.433	9.592	4.936	8.084	4.745	2.709	0.186	-0.098	1.358	1.52	3.035	2.904	1.482	-0.151	3.803	0.977	0.541	-1.852	-2.596	-0.641	2.44835	1.39575544	8	1	675	700	1754.139674	38.125	575	450	475		0	1.551	467137.5925	467137.5925	575	6448937.742	-112.5
L12	0.05	1.738	8.843	9.343	6.733	2.589	-0.247	-3.119	-0.071	5.176	1.807	4.89	1.085	5.387	0.413	3.278	1.764	-3.296	-0.699	-2.169	3.453	2.3449	1.66986554	9	1	700	725	1404.244792	-26.723	587.5	450	475		0	0.903	467135.9263	467135.9263	587.5	6448939.629	-125
L12	0.05	6.005	9.695	8.558	8.022	3.843	5.799	-0.523	-6.039	2.059	-1.989	1.313	3.169	5.362	3.308	-2.347	-6.462	-4.979	-2.189	1.699	3.362	1.8833	0.77898150	10	1	725	750	2417.644042	-5.421	600	450	475		0	1.166	467134.2601	467134.2601	600	6448941.516	-137.5
L12	0.05	10.705	8.636	7.226	6.2	5.434	4.838	4.332	3.946	3.614	3.317	3.093	2.888	2.676	2.515	2.362	2.243	2.144	2.024	1.945	1.856	4.0997	0.63365067	1	1	525	550	6469.968698	4.878	512.5	475	500		0	686.485	467132.5938	467132.5938	512.5	6448943.403	-25
L12	0.05	7.72	6.457	5.644	5.076	4.513	4.192	3.819	3.426	3.266	3.182	3.034	2.651	2.535	2.425	2.265	2.133	2.057	2.048	1.892	1.905	3.512	1.52371961	2	1	550	575	2304.885999	-6.457	525	475	500		0	61.139	467130.9276	467130.9276	525	6448945.29	-37.5
L12	0.05	8.563	7.589	6.76	6	5.481	5.171	4.295	4.16	3.892	3.637	3.554	3.144	3.064	2.71	2.714	2.449	2.676	2.178	2.045	1.873	4.09775	1.19558042	9	1	575	600	3427.414753	10.945	537.5	475	500		0	36.366	467129.2614	467129.2614	537.5	6448947.177	-50
L12	0.05	8.037	7.491	6.459	5.883	5.336	5.07	4.295	3.491	3.358	3.358	2.841	2.164	2.871	2.878	2.646	2.951	2.813	2.983	2.396	2.037	3.9679	1.28113707	6	4	1	600	625	3097.170533	-29.812	550	475	500		0	16.431	467127.5952	467127.595	2	550	6448949.065	-62.5
L12	0.05	10.1	9.092	8.153	8.054	7.225	7.187	5.143	5.11	4.64	3.599	4.148	3.71	3.735	3.171	2.969	3.044	3.851	2.658	2.181	2.147	4.99585	1.13361024	5	1	625	650	4407.026174	-27.583	562.5	475	500		0	13.36	467125.929	467125.929	562.5	6448950.952	-75

L12	0.05	2.612	3.271	3.257	3.537	3.008	2.022	0.259	2.684	2.698	2.728	4.042	5.165	4.132	-0.581	2.647	0.491	3.196	-4.954	-0.789	0.472	1.99485	1.15338593	6	1	650	675	1729.559853	51.583	575	475	500		0	3.277	467124.2627	467124.2627	575	6448952.839	-87.5
L12	0.05	4.428	3.193	6.279	2.283	6.747	5.337	0.128	4.493	4.156	1.876	3.528	0.429	1.446	2.228	4.135	1.536	3.108	0.259	3.065	0.221	2.94375	1.52266670 5	7	1	675	700	1933.285854	29.866	587.5	475	500		0	2.442	467122.5965	467122.5965	587.5	6448954.726	-100
L12	0.05	-6.668	4.53	4.914	6.468	6.595	5.645	0.689	9.65	7.034	-0.957	6.168	2.822	1.629	8.681	9.23	3.928	5.221	-0.604	2.236	-3.176	3.70175	2.35641872 9	8	1	700	725	1570.921991	-25.056	600	475	500		0	1.389	467120.9303	467120.9303	600	6448956.613	-112.5
L12	0.05	4.207	10.722	15.761	6.766	10.486	7.788	6.548	4.399	-2.986	-0.56	6.364	3.103	-2.728	4.797	7.561	3.683	12	3.207	-0.298	-5.084	4.7868	1.78030830 4	9	1	725	750	2688.747781	-25.728	612.5	475	500		0	1.729	467119.2641	467119.2641	612.5	6448958.5	-125
L12	0.05	-3.473	5.887	11.288	15.197	12.418	14.878	1.703	-2.219	-4.609	-6.736	1.22	-0.066	-7.029	3.261	8.003	4.445	7.843	1.02	1.999	1.142	3.3086	0.99111621 4	10	1	750	775	3338.256354	83.7	625	475	500		0	1.61	467117.5979	467117.5979	625	6448960.387	-137.5
L12	0.05	14.483	11.942	10.189	8.931	7.934	7.126	6.489	5.934	5.474	5.086	4.722	4.434	4.187	3.964	3.761	3.593	3.424	3.281	3.128	2.985	6.05335	0.98426836 3	1	1	550	575	6150.101159	-23.625	537.5	500	525		0	652.546	467115.9316	467115.9316	537.5	6448962.274	-25
L12	0.05	8.854	7.414	6.37	5.616	5.122	4.713	4.168	3.895	3.401	3.22	2.84	2.817	2.72	2.459	2.366	2.318	2.293	1.961	1.936	1.764	3.81235	1.30153962 9	2	1	575	600	2929.107893	3.534	550	500	525		0	77.697	467114.2654	467114.2654	550	6448964.161	-37.5
L12	0.05	10.161	7.791	6.421	6.308	5.437	5.247	4.735	3.941	4.253	3.866	2.91	2.573	2.888	3.037	2.577	2.922	2.374	2.167	1.968	1.963	4.17695	1.48104584 8	3	1	600	625	2820.270557	-29.387	562.5	500	525		0	29.924	467112.5992	467112.5992	562.5	6448966.048	-50
L12	0.05	11.808	9.809	8.532	7.913	6.818	6.63	5.572	5.485	4.716	4.457	3.889	4.108	4.249	3.441	3.22	2.994	3.271	2.235	2.586	2.556	5.21445	1.18453012 4	4	1	625	650	4402.12529	-31.348	575	500	525		0	23.354	467110.933	467110.933	575	6448967.935	-62.5
L12	0.05	8.405	5.295	3.304	5.47	5.544	5.578	3.334	3.272	3.629	4.208	0.234	0.237	1.473	1.154	2.424	3.231	2.311	2.807	1.526	1.855	3.26455	1.78027658 1	5	1	650	675	1833.731924	50.968	587.5	500	525		0	5.559	467109.2668	467109.2668	587.5	6448969.823	-75
L12	0.05	11.058	6.337	2.226	3.741	3.136	4.884	4.072	-0.121	3.285	4.328	1.839	-2.386	0.1	1.643	0.577	2.391	0.978	2.156	-0.423	0.682	2.52515	1.18396585 2	6	1	675	700	2132.789553	25.331	600	500	525		0	4.041	467107.6005	467107.6005	600	6448971.71	-87.5
L12	0.05	11.261	4.269	2.986	5.083	6.99	6.836	5.369	4.271	5.992	5.805	0.499	1.923	4.459	6.81	5.183	7.055	5.034	6.793	2.055	0.798	4.97355	2.78222428 6	7	1	700	725	1787.616485	-22.25	612.5	500	525		0	2.258	467105.9343	467105.9343	612.5	6448973.597	-100
L12	0.05	10.351	6.761	-0.544	8.766	3.391	4.871	5.378	0.875	5.444	5.041	2.136	1.454	7.187	3.508	-0.631	2.037	0.65	-0.51	0.769	1.945	3.44395	1.12159129 6	8	1	725	750	3070.59266	-29.519	625	500	525		0	2.715	467104.2681	467104.2681	625	6448975.484	-112.5
L12	0.05	18.073	6.461	-1.114	6.501	2.072	3.784	2.382	-0.184	5.812	6.917	2.12	4.785	1.701	-0.97	-1.06	4.251	0.431	-0.431	0.742	0.417	3.1345	0.81079689 8	9	1	750	775	3865.949672	68.731	637.5	500	525		0	2.486	467102.6019	467102.6019	637.5	6448977.371	-125
L12	0.05	11.798	8.732	1.674	10.823	5.617	7.56	12.469	2.303	-0.833	7.783	1.355	-2.603	5.952	-4.698	-1.549	3.684	1.958	-3.929	-3.059	-3.821	3.0608	1.35554289 4	10	1	775	800	2257.988304	21.478	650	500	525		0	1.089	467100.9357	467100.9357	650	6448979.258	-137.5
L12	0.05	3.354	2.153	1.43	0.902	0.633	0.397	0.245	0.098	0.04	-0.041	-0.102	-0.102	-0.133	-0.158	-0.208	-0.227	-0.195	-0.191	-0.194	-0.167	0.3767	0.12254787 3	1	1	575	600	3073.900757	6.262	562.5	525	550		0	326.151	467099.2694	467099.2694	562.5	6448981.145	-25
L12	0.05	4.911	4.314	3.567	3.267	2.762	2.709	2.25	2.424	1.88	1.848	1.686	1.41	1.55	1.358	1.391	1.368	1.083	1.248	1.153	1.128	2.16535	1.53383963 1	2	1	600	625	1411.718641	-30.353	575	525	550		0	37.447	467097.6032	467097.6032	575	6448983.032	-37.5
L12	0.05	7.698	6.77	5.897	5.165	5.29	4.87	4.417	4.054	3.941	3.402	3.031	3.175	3.144	3.034	2.013	2.399	2.23	2.412	1.913	1.99	3.84225	1.50029583 3	3	1	625	650	2560.994915	-33.666	587.5	525	550		0	27.173	467095.937	467095.937	587.5	6448984.919	-50
L12	0.05	4.786	4.119	2.406	2.569	0.089	1.53	0.792	2.711	0.714	0.713	1.553	0.406	0.864	0.099	1.159	0.705	-0.041	1.049	1.704	2.023	1.4975	1.46361168 8	4	1	650	675	1023.153895	52.473	600	525	550		0	5.428	467094.2708	467094.2708	600	6448986.806	-62.5
L12	0.05	2.735	2.828	3.371	2.387	5.325	4.044	2.916	1.922	4.483	3.487	1.904	3.582	3.618	3.851	-0.622	1.525	1.58	1.917	0.114	0.655	2.5811	2.12107978 5	1	1	675	700	1216.880206	23.988	612.5	525	550		0	3.689	467092.6046	467092.6046	612.5	6448988.694	-75
L12	0.05	-5.819	-1.263	2.58	-0.228	10.857	8.123	1.543	1.713	8.607	4.778	1.333	8.277	4.423	4.312	-4.764	-0.929	-1.101	1.2	-4.939	-1.782	1.84605	1.76920287 3	6	1	700	725	1043.436018	-21.564	625	525	550		0	1.977	467090.9383	467090.9383	625	6448990.581	-87.5
L12	0.05	2.868	4.417	3.977	2.914	4.73	2.165	7.464	6.219	6.204	2.002	1.52	4.131	4.499	4.829	-1.237	1.315	3.841	4.882	1.094	2.579	3.52065	1.86772548 7	1	1	725	750	1884.993291	-34.933	637.5	525	550		0	2.381	467089.2721	467089.2721	637.5	6448992.468	-100
L12	0.05	0.826	2.036	6.174	-0.063	8.234	5.276	3.991	2.819	5.845	3.551	1.547	4.229	5.534	7.15	2.665	5.02	-0.735	3.223	0.982	1.889	3.50965	1.41958459 4	8	1	750	775	2472.307755	64.312	650	525	550		0	2.186	467087.6059	467087.6059	650	6448994.355	-112.5
L12	0.05	-0.93	3.303	-0.776	-2.577	7.984	6.37	-0.919	-2.711	6.522	0.714	2.144	6.366	2.724	7.079	-5.162	1.502	0.448	5.123	-2.95	1.863	1.80585	1.26360428 7	9	1	775	800	1429.126206	-6.614	662.5	525	550		0	0.919	467085.9397	467085.9397	662.5	6448996.242	-125
L12	0.05	-12.699	-5.321	5.448	-20.39	22.227	18.508	15.003	5.926	13.015	18.15	12.18	26.234	14.058	20	-9.246	-20.384	-18.141	5.398	-33.626	-6.359	2.49905	3.50366596 7	10	1	800	825	713.2671961	80.475	675	525	550		0	0.344	467084.2735	467084.2735	675	6448998.129	-137.5
L12	0.05	4.981	4.022	3.347	2.932	2.573	2.25	1.996	1.729	1.542	1.443	1.301	1.275	1.213	1.118	1.083	1.002	0.973	0.827	0.777	0.72	1.8552	1.70598032 3	1	1	600	625	1087.46858	-28.525	587.5	550	575		0	115.384	467082.6072	467082.6072	587.5	6449000.016	-25
L12	0.05	10.217	8.653	7.533	6.599	5.875	5.166	4.598	4.15	3.831	3.54	3.257	3.003	2.857	2.88	2.699	2.631	2.445	2.23	2.128	1.94	4.3116	2.11168283 1	2	1	625	650	2041.783897	-34.171	600	550	575		0	54.16	467080.941	467080.941	600	6449001.903	-37.5
L12	0.05	2.38	1.649	0.668	1.204	0.659	0.66	0.86	0.305	0.424	1.252	0.217	1.097	0.576	-0.44	-0.497	-0.271	0.1	-0.21	0.215	0.549	0.56985	0.53261947 6	3	1	650	675	1069.900794	49.48	612.5	550	575		0	11.352	467079.2748	467079.2748	612.5	6449003.79	-50
L12	0.05	6.591	6.32	5.792	4.148	3.943	2.975	2.141	2.701	2.563	2.735	2.676	1.113	1.571	2.729	1.608	1.741	1.37	1.626	2.191	1.487	2.90105	2.45385016 8	4	1	675	700	1182.244147	21.073	625	550	575		0	6.272	467077.6086	467077.6086	625	6449005.677	-62.5
L12	0.05	6.665	4.827	4.297	5.388	3.272	4.186	3.883	1.39	-0.092	3.655	1.987	3.701	2.032	0.376	1.667	1.11	1.861	-1.16	0.73	1.379	2.5577	2.51826101 8	5	1	700	725	1015.661197	-17.515	637.5	550	575		0	3.079	467075.9424	467075.9424	637.5	6449007.565	-75
L12	0.05	8.779	7.602	5.849	9.482	7.8	6.527	6.307	2.799	-1.063	1.269	-0.554	3.795	2.907	3.824	4.122	4.055	4.708	1.697	1.649	-0.747	4.04035	2.39676206 3	6	1	725	750	1685.753485	-37.602	650	550	575		0	3.194	467074.2761	467074.2761	650	6449009.452	-87.5
L12	0.05	7.742	10.858	11.773	13.47	12.776	8.882	5.862	0.611	-1.167	-1.14	-2.445	1.245	3.988	6.901	9.537	10.875	8.391	2.982	2.091	-3.837	5.46975	2.59153404 4	7	1	750	775	2110.622476	55.188	662.5	550	575		0	2.666	467072.6099	467072.6099	662.5	6449011.339	-100
L12	0.05	4.915	9.47	9.146	16.884	11.409	7.982	7.99	1.632	-4.163	8.527	1.995	4.689	4.118	2.997	6.414	7.238	8.528	-0.062	0.82	-0.734	5.48975	4.31850953 4	8	1	775	800	1271.214051	-16.996	675	550	575		0	1.124	467070.9437	467070.9437	675	6449013.226	-112.5
L12	0.05	2.109	3.818	-21.588	-12.596	-13.638	-4.801	2.679	5.488	13.924	36.625	9.598	14.014	-2.473	-10.834	-18.264	-21.451	-25.241	-11.252	13.06	21.629	-0.9597	-1.28302567 4	9	1	800	825	747.9975029	56.073	687.5	550	575		0	0.481	467069.2775	467069.2775	687.5	6449015.113	-125
L12	0.05	7.891	7.175	-0.416	7.922	-7.303	-12.066	-2.173	-4.856	11.886	16.983	5.866	17.069	-3.484	-8.728	-19.749	-23.479	-18.731	-17.301	11.729	17.827	-0.6969	-0.61110236 8	10	1	825	850	1140.398133	13.32	700	550	575		0	0.55	467067.6113	467067.6113	700	6449017	-137.5
L12	0.05	7.367	6.281	5.487	4.842	4.365	3.957	3.596	3.345	3.087	2.906	2.711	2.552	2.421	2.284	2.157	2.047	1.939	1.848	1.754	1.675	3.33105	1.25000135 1	1	1	625	650	2664.837119	-33.607	612.5	575	600		0	282.748	467065.945	467065.945	612.5	6449018.887	-25

L12	0.05	3.208	2.769	2.37	2.018	1.814	1.616	1.519	1.077	1.058	0.899	1.016	0.919	0.888	0.775	1.047	0.661	0.606	0.569	0.466	0.475	1.2885	1.131701733	2	1	650	675	1138.550877	47.839	625	575	600		0	30.201	467064.2788	467064.2788	625	6449020.774	-37.5
L12	0.05	7.411	6.844	6.158	5.474	4.894	4.601	4.05	4.152	3.143	3.611	3.365	3.142	3.112	3.129	3.002	3.185	2.921	2.313	2.528	2.291	3.9663	2.64378377	3	1	675	700	1500.236156	19.806	637.5	575	600		0	15.918	467062.612	467062.612	637.5	6449022.661	-50
L12	0.05	2.842	2.995	2.371	1.689	1.422	0.784	2.773	1.127	1.943	2.18	1.601	1.856	2.493	0.699	2.318	0.588	1.185	1.281	0.198	1.023	1.6684	1.395418083	4	1	700	725	1195.627332	-15.781	650	575	600		0	6.343	467060.9464	467060.9464	650	6449024.548	-62.5
L12	0.05	4.285	5.3	3.937	2.546	2.552	2.199	1.866	1.955	1.784	2.908	1.797	2.204	2.774	2.226	2.672	1.518	0.359	0.01	0.496	0.456	2.1922	1.122016566	5	1	725	750	1953.803595	-39.301	662.5	575	600		0	5.923	467059.2802	467059.2802	662.5	6449026.435	-75
L12	0.05	4.395	6.049	5.428	2.696	1.9	0.638	-0.702	2.603	2.336	5.048	3.569	2.32	2.18	2.985	0.971	1.864	1.35	0.364	1.596	0.585	2.40875	0.983803132	6	1	750	775	2448.406518	52.905	675	575	600		0	4.639	467057.6139	467057.6139	675	6449028.323	-87.5
L12	0.05	6.057	7.593	4.168	1.458	-0.448	1.142	1.253	1.968	-5.136	4.053	1.843	3.278	5.332	5.064	5.279	2.025	2.512	2.147	2.303	-1.089	2.5401	1.763874582	7	1	775	800	1440.068373	-20.083	687.5	575	600		0	1.819	467055.9477	467055.9477	687.5	6449030.21	-100
L12	0.05	1.581	3.569	12.856	11.659	19.005	-0.651	5.693	-1.72	-2.682	-7.929	2.021	-3.43	1.311	10.45	12.352	12.867	8.882	-9.112	0.637	-18.311	2.9524	3.756107546	8	1	800	825	786.0264819	52.465	700	575	600		0	0.695	467054.2815	467054.2815	700	6449032.097	-112.5
L12	0.05	1.643	13.62	9.434	4.527	2.056	5.3	9.332	-13.406	-14.393	-4.55	-2.463	7.824	12.974	6.833	14.243	23.829	2.043	-3.053	-8.153	-8.115	2.97625	2.498535746	9	1	825	850	1191.197686	1.996	712.5	575	600		0	0.766	467052.6153	467052.6153	712.5	6449033.984	-125
L12	0.05	-15.549	13.333	22.31	17.494	3.322	14.948	9.696	-17.074	-27.481	-13.953	-18.52	-13.394	3.214	5.359	56.022	36.164	26.25	4.536	-1.899	-11.107	4.68355	7.405962581	10	1	850	875	632.4026012	98.687	725	575	600		0	0.305	467050.9491	467050.9491	725	6449035.871	-137.5
L12	0.05	6.144	5.139	4.428	3.901	3.47	3.094	2.8	2.533	2.321	2.158	1.995	1.872	1.778	1.629	1.554	1.473	1.393	1.299	1.264	1.205	2.5725	1.894149473	1	1	650	675	1358.129354	48.616	637.5	600	625		0	144.102	467049.2828	467049.2828	637.5	6449037.758	-25
L12	0.05	8.854	7.455	6.415	5.684	5.024	4.513	4.117	3.805	3.426	3.217	2.962	2.809	2.612	2.462	2.278	2.131	2.076	1.933	1.778	1.799	3.7675	1.976504912	2	1	675	700	1906.142493	18.094	650	600	625		0	50.562	467047.6166	467047.6166	650	6449039.645	-37.5
L12	0.05	4.04	3.802	3.206	2.787	2.537	2.202	2.261	2.238	2.06	1.964	1.804	1.824	1.818	1.653	1.501	1.239	1.19	1.163	1.164	1.234	2.08435	1.130829901	3	1	700	725	1843.203826	-14.248	662.5	600	625		0	19.557	467045.9504	467045.9504	662.5	6449041.532	-50
L12	0.05	8.498	7.395	6.358	5.748	4.649	4.488	4.145	3.974	3.662	3.287	3.376	3.168	2.953	2.892	2.528	2.222	2.419	2.21	1.702	2.206	3.894	1.353755676	4	1	725	750	2876.442234	-38.455	675	600	625		0	15.26	467044.2842	467044.2842	675	6449043.419	-62.5
L12	0.05	10.343	8.831	7.403	6.509	5.554	4.782	4.657	3.88	3.532	4.546	3.975	3.943	3.725	3.557	2.932	2.324	2.656	2.339	1.879	2.319	4.4843	1.248783516	5	1	750	775	3590.934651	51.267	687.5	600	625		0	10.886	467042.618	467042.618	687.5	6449045.306	-75
L12	0.05	8.13	7.122	6.309	5.872	4.637	4.125	3.73	3.824	3.238	3.481	2.511	3.856	2.799	4.339	3.01	2.513	2.05	0.653	0.664	2.594	3.77285	1.688338527	6	1	775	800	2234.652554	-23.963	700	600	625		0	4.234	467040.9517	467040.9517	700	6449047.194	-87.5
L12	0.05	8.281	10.543	8.611	4.598	2.745	3.457	2.819	2.399	0.625	3.45	4.201	1.819	3.823	0.8	2.721	1.677	0.463	2.666	0.595	2.018	3.41555	2.383590572	7	1	800	825	1432.943241	48.912	712.5	600	625		0	1.81	467039.2855	467039.2855	712.5	6449049.081	-100
L12	0.05	6.929	5.57	9.994	10.071	4.742	1.533	5.676	4.009	1.639	3.832	1.678	3.629	2.617	2.761	5.011	5.005	2.647	0.753	0.479	0.663	3.9619	1.867318079	8	1	825	850	2121.706015	-7.502	725	600	625		0	1.876	467037.6193	467037.6193	725	6449050.968	-112.5
L12	0.05	9.916	7.197	9.935	8.818	0.264	1.352	-2.967	-0.151	-0.011	-4.545	-0.408	1.265	2.073	-1.762	-9.4	1.395	-0.242	0.935	-3.177	-6.726	0.68805	0.549628251	9	1	850	875	1251.846133	73.262	737.5	600	625		0	0.805	467035.9531	467035.9531	737.5	6449052.855	-125
L12	0.05	21.408	15.963	8.803	6.493	8.443	5.208	5.005	17.719	-0.677	3.464	4.819	9.435	6.104	4.252	1.946	7.624	9.107	5.105	10.204	3.411	7.6918	4.817741012	10	1	875	900	1596.557387	37.094	750	600	625		0	0.77	467034.2869	467034.2869	750	6449054.742	-137.5
L12	0.05	14.412	12.041	10.354	9.084	8.097	7.284	6.61	6.042	5.561	5.151	4.791	4.483	4.188	3.93	3.71	3.512	3.336	3.165	3.018	2.87	6.08195	1.373314387	1	1	675	700	4428.665465	14.901	662.5	625	650		0	469.896	467032.6206	467032.6206	662.5	6449056.629	-25
L12	0.05	4.439	3.954	3.364	3	2.588	2.369	2.222	2.1	1.984	1.775	1.599	1.411	1.406	1.235	1.324	1.126	0.943	0.992	0.847	0.907	1.97925	1.244429516	2	1	700	725	1590.48783	-16.686	675	625	650		0	42.189	467030.9544	467030.9544	675	6449058.516	-37.5
L12	0.05	4.43	3.577	3.149	2.923	2.91	2.584	2.333	2.124	1.932	1.663	1.733	2.015	1.545	1.266	1.287	1.38	1.465	1.366	1.376	1.317	2.11875	0.917689338	3	1	725	750	2308.787857	-41.943	687.5	625	650		0	24.497	467029.288	467029.288	687.5	6449060.403	-50
L12	0.05	6.055	5.655	4.729	4.361	3.54	3.075	3.162	3.194	2.941	2.772	1.97	2.036	2.106	1.832	2.461	2.193	2.109	1.947	1.57	1.642	2.9675	1.069066716	4	1	750	775	2775.785605	51.036	700	625	650		0	14.726	467027.622	467027.622	700	6449062.29	-62.5
L12	0.05	4.917	4.002	3.527	3.756	3.066	3.516	2.893	3.043	1.097	1.792	1.746	3.198	2.113	1.6	1.189	1.85	1.965	1.693	1.851	1.149	2.49815	1.457786044	5	1	775	800	1713.660253	-26.678	712.5	625	650		0	5.195	467025.9558	467025.9558	712.5	6449064.177	-75
L12	0.05	6.175	1.88	2.282	0.9	6.561	5.091	2.988	1.33	2.195	0.687	3.53	3.713	3.234	0.076	1.421	1.26	0.016	-0.066	1.469	1.251	2.29965	2.276463308	6	1	800	825	1010.185401	46.523	725	625	650		0	1.914	467024.2895	467024.2895	725	6449066.065	-87.5
L12	0.05	3.958	4.438	3.518	4.437	6.495	5.741	5.346	3.455	1.329	3.436	-0.718	1.905	6.161	1.288	4.173	6.003	3.269	1.191	1.586	3.043	3.5027	2.344664072	7	1	825	850	1493.902705	-8.032	737.5	625	650		0	1.887	467022.6233	467022.6233	737.5	6449067.952	-100
L12	0.05	5.454	-0.135	-4.122	-0.079	2.632	4.263	4.695	6.866	-3.012	3.863	-4.341	-6.546	2.235	-7.657	-1.495	-2.298	-0.233	2.393	5.861	4.722	0.6533	0.781656325	8	1	850	875	835.7893096	64.631	750	625	650		0	0.739	467020.9571	467020.9571	750	6449069.839	-112.5
L12	0.05	5.511	6.471	6.418	4.212	3.012	1.169	-5.291	-3.084	-1.133	-1.95	3.446	7.496	-2.541	1.285	2.413	-2.01	-5.372	14.884	4.701	10.62	2.51285	2.321679431	9	1	875	900	1082.341501	-4.67	762.5	625	650		0	0.696	467019.2909	467019.2909	762.5	6449071.726	-125
L12	0.05	1.682	-7.902	-1.696	1.062	-1.819	1.417	-8.119	-7.542	-6.068	-12.394	-12.302	0.423	-3.825	-8.931	-1.961	-7.876	-5.15	0.325	-9.788	-6.447	-4.84555	-2.892263856	10	1	900	925	1675.34853	35.989	775	625	650		0	0.808	467017.6247	467017.6247	775	6449073.613	-137.5
L12	0.05	8.445	7.042	6.069	5.309	4.726	4.253	3.863	3.541	3.267	3.012	2.833	2.629	2.471	2.333	2.219	2.091	2.001	1.899	1.821	1.744	3.5784	1.457107783	1	1	700	725	2455.823818	-12.275	687.5	650	675		0	260.571	467015.9584	467015.9584	687.5	6449075.5	-25
L12	0.05	9.625	8.137	7.028	6.251	5.578	5.151	4.531	4.209	3.857	3.619	3.341	3.074	2.978	2.721	2.574	2.407	2.29	2.135	2.017	1.978	4.17505	2.003122632	2	1	725	750	2084.270796	-42.01	700	650	675		0	55.287	467014.2922	467014.2922	700	6449077.387	-37.5
L12	0.05	4.159	3.654	3.557	3.073	2.821	2.608	2.264	2.329	2.204	1.825	2.175	1.593	1.783	1.616	1.81	1.399	1.705	1.424	1.573	1.667	2.26195	0.848177654	3	1	750	775	2666.835172	44.057	712.5	650	675		0	28.296	467012.626	467012.626	712.5	6449079.274	-50
L12	0.05	8.053	6.954	5.518	5.207	4.884	4.91	3.77	3.793	3.397	3.658	3.515	2.94	3.46	2.293	2.388	2.221	1.766	2.08	1.577	1.691	3.70375	2.357409	4	1	775	800	1571.110486	-22.316	725	650	675		0	8.335	467010.9598	467010.9598	725	6449081.161	-62.5
L12	0.05	8.666	7.023	7.685	6.534	7.08	3.634	3.148	5.905	4.09	1.138	4.061	2.307	2.049	0.74	2.862	1.199	2.632	2.214	2.062	3.066	3.90475	4.436783494	5	1	800	825	880.085766	44.352	737.5	650	675		0	2.668	467009.2936	467009.2936	737.5	6449083.048	-75
L12	0.05	9.024	6.752	7.945	5.864	5.648	4.271	3.025	3.153	3.264	0.866	3.408	1.009	1.207	3.363	3.251	1.413	4.593	2.657	2.622	3.741	3.8538	2.954998553	6	1	825	850	1304.163075	-10.668	750	650	675		0	2.471	467007.6273	467007.6273	750	6449084.935	-87.5
L12	0.05	6.694	-1.404	5.974	-1.291	4.419	4.793	-2.232	8.227	3.204	-9.186	-0.778	0.775	5.323	3.554	4.344	1.305	2.268	-1.512	1.344	8.683	2.2252	3.227011275	7	1	850	875	689.5544547	62.409	762.5	650	675		0	0.871	467005.9611	467005.9611	762.5	6449086.823	-100

L12	0.05	12.525	8.351	14.401	8.785	6.275	11.761	1.612	3.012	4.228	-2.603	4.997	-3.726	-0.208	4.353	0.729	-1.682	3.291	-5.571	7.296	7.375	4.26005	4.604781413	8	1	875	900	925.1362046	-0.546	775	650	675		0	0.818	467004.2949	467004.2949	775	6449088.71	-112.5
L12	0.05	9.022	8.009	7.836	5.72	7.077	8.117	3.423	11.404	9.017	4.048	5.769	3.617	0.574	7.647	3.572	-2.726	10.101	-0.177	-1.316	7.687	5.42105	3.814012794	9	1	900	925	1421.350764	5.655	787.5	650	675		0	0.914	467002.6287	467002.6287	787.5	6449090.597	-125
L12	0.05	4.371	7.978	12.651	4.599	6.096	2.982	-5.344	2.443	-6.566	-14.358	8.735	-4.438	-0.468	2.829	-0.724	-10.386	-13.95	-8.648	-2.281	-14.483	-1.4481	-1.16789436	10	1	925	950	1239.923789	-8.891	800	650	675		0	0.598	467000.9625	467000.9625	800	6449092.484	-137.5
L12	0.05	4.609	3.783	3.212	2.79	2.473	2.236	2.026	1.866	1.73	1.623	1.504	1.412	1.344	1.276	1.214	1.16	1.105	1.068	1.013	0.998	1.9221	0.762188801	1	1	725	750	2521.816113	-42.517	712.5	675	700		0	267.573	466999.2962	466999.2962	712.5	6449094.371	-25
L12	0.05	6.877	5.925	5.372	4.772	4.361	3.991	3.677	3.417	3.177	3.04	2.825	2.632	2.504	2.361	2.257	2.165	2.002	1.991	1.928	1.784	3.3529	1.342082041	2	1	750	775	2498.282443	43.47	725	675	700		0	66.269	466997.63	466997.63	725	6449096.258	-37.5
L12	0.05	6.06	5.48	4.934	4.256	3.982	3.68	3.477	3.362	3.031	2.762	2.99	2.489	2.347	2.371	2.334	2.059	2.11	1.961	1.901	1.942	3.1764	1.764813884	3	1	775	800	1799.849847	-24.686	737.5	675	700		0	19.097	466995.9638	466995.9638	737.5	6449098.145	-50
L12	0.05	6.668	6.659	6.048	4.693	4.968	3.885	3.472	3.589	2.849	2.849	3.298	2.652	2.645	2.465	2.401	2.204	1.809	1.993	1.776	1.453	3.4188	2.875284926	4	1	800	825	1189.029988	43.72	750	675	700		0	6.308	466994.2976	466994.2976	750	6449100.032	-62.5
L12	0.05	6.376	5.844	5.366	4.617	4.982	4.881	3.898	3.382	3.438	2.864	2.402	2.195	1.558	2.353	2.034	2.192	2.147	2.058	1.695	1.519	3.29005	1.878316637	5	1	825	850	1751.594984	-14.912	762.5	675	700		0	5.31	466992.6314	466992.6314	762.5	6449101.919	-75
L12	0.05	4.903	3.634	4.217	0.658	3.041	3.486	3.196	0.271	0.741	2.338	0.885	3.144	1.969	1.931	0.974	1.898	0.763	0.089	-1.585	1.768	1.91605	1.973012608	6	1	850	875	971.1291211	66.178	775	675	700		0	1.84	466990.9651	466990.9651	775	6449103.806	-87.5
L12	0.05	5.443	5.221	7.027	3.364	6.538	8.98	2.852	7.06	5.402	7.809	4.987	6.538	3.849	5.639	4.036	2.238	-0.694	0.716	2.032	1.583	4.531	3.570344528	7	1	875	900	1269.065202	-22.539	787.5	675	700		0	1.603	466989.2989	466989.2989	787.5	6449105.694	-100
L12	0.05	7.373	5.557	4.141	5.802	4.037	3.087	1.928	0.441	4.477	2.833	7.896	1.611	2.583	5.645	3.07	1.971	4.137	5.111	2.534	5.418	3.9826	2.042570496	8	1	900	925	1949.798065	17.484	800	675	700		0	1.724	466987.6327	466987.6327	800	6449107.581	-112.5
L12	0.05	3.222	8.736	2.48	-1.09	0.276	5.384	-0.418	-1.434	1.408	-0.424	-1.343	0.808	-2.127	-5.315	-3.88	-2.635	-1.386	-2.494	-3.825	-2.799	-0.3428	-0.201681276	9	1	925	950	1699.711581	-19.983	812.5	675	700		0	1.093	466985.9665	466985.9665	812.5	6449109.468	-125
L12	0.05	-4.875	1.587	4.07	-4.288	-0.503	4.471	-2.781	2.277	1.212	-2.199	-1.653	3.241	-1.515	-5.706	4.969	-2.07	-2.46	3.996	-3.072	-12.543	-0.8921	-0.581417382	10	1	950	975	1534.353852	72.914	825	675	700		0	0.74	466984.3003	466984.3003	825	6449111.355	-137.5
L12	0.05	3.215	2.415	1.922	1.572	1.326	1.126	0.995	0.899	0.786	0.712	0.642	0.578	0.556	0.499	0.472	0.446	0.424	0.381	0.38	0.379	0.98625	0.269779177	1	1	750	775	3655.767698	43.003	737.5	700	725		0	387.889	466982.634	466982.634	737.5	6449113.242	-25
L12	0.05	4.675	4.048	3.621	3.162	2.976	2.615	2.349	2.302	2.098	1.994	1.81	1.695	1.714	1.586	1.512	1.484	1.41	1.297	1.21	1.314	2.2436	1.230733278	2	1	775	800	1822.978252	-25.35	750	700	725		0	48.356	466980.9678	466980.9678	750	6449115.129	-37.5
L12	0.05	9.745	8.766	7.597	6.858	5.961	5.43	4.708	4.932	4.36	4.246	3.776	3.269	3.495	2.978	3.039	2.85	2.535	2.144	2.22	2.53	4.57195	4.254507642	3	1	800	825	1074.613183	42.324	762.5	700	725		0	11.402	466979.3016	466979.3016	762.5	6449117.016	-50
L12	0.05	6.947	5.722	5.055	4.666	3.873	3.847	3.32	3.434	2.789	2.69	2.607	2.409	2.588	2.203	2.411	1.928	1.743	1.612	1.763	2.007	3.1807	1.875320914	4	1	825	850	1696.083042	-14.937	775	700	725		0	8.998	466977.6354	466977.6354	775	6449118.903	-62.5
L12	0.05	4.189	5.003	4.014	3.274	2.77	3.155	2.597	3.905	2.195	3.117	1.462	0.529	1.108	1.172	1.422	0.571	3.123	0.376	1.072	1.773	2.34135	2.486114095	5	1	850	875	941.7709377	64.437	787.5	700	725		0	2.855	466975.9692	466975.9692	787.5	6449120.79	-75
L12	0.05	7.783	3.141	3.038	3.705	4.288	2.271	2.364	4.591	2.331	3.8	2.934	-0.239	3.595	3.208	1.555	0.716	-0.497	0.693	1.857	-0.314	2.541	1.923466651	6	1	875	900	1321.052277	-24.778	800	700	725		0	2.503	466974.3029	466974.3029	800	6449122.677	-87.5
L12	0.05	6.979	6.936	7.542	5.67	5.898	2.852	0.994	6.375	4.102	1.043	6.195	1.587	2.956	1.99	2.174	0.374	0.733	1.479	-0.209	3.391	3.45305	1.664123036	7	1	900	925	2074.99681	17.862	812.5	700	725		0	2.621	466972.6367	466972.6367	812.5	6449124.565	-100
L12	0.05	3.287	7.909	9.775	3.013	3.61	3.408	3.515	4.585	3.229	2.266	6.086	0.977	3.955	2.24	0.418	-0.163	3.314	4.174	-0.334	-0.882	3.2191	1.762420631	8	1	925	950	1826.521969	-21.529	825	700	725		0	1.615	466970.9705	466970.9705	825	6449126.452	-112.5
L12	0.05	-0.856	-0.226	-1.077	-2.61	5.84	5.729	-5.961	5.387	3.085	2.463	-2.416	-8.083	-0.043	2.268	-4.096	-1.408	-2.738	-3.405	-3.651	3.442	-0.4178	-0.259330507	9	1	950	975	1611.071545	43.836	837.5	700	725		0	1.036	466969.3043	466969.3043	837.5	6449128.339	-125
L12	0.05	3.874	3.916	6.312	10.44	6.264	2.033	2.646	-2.314	-2.462	-5.436	-3.206	-1.009	7.286	2.065	-2.661	0.613	0.965	2.611	-0.693	8.323	1.97835	1.043910157	10	1	975	1000	1895.134352	56.974	850	700	725		0	0.914	466967.6381	466967.6381	850	6449130.226	-137.5
L12	0.05	4.538	3.908	3.442	3.078	2.803	2.594	2.401	2.241	2.102	1.956	1.85	1.768	1.663	1.591	1.529	1.439	1.397	1.356	1.282	1.194	2.2066	0.471522716	1	1	775	800	4679.732125	-24.579	762.5	725	750		0	496.535	466965.9718	466965.9718	762.5	6449132.113	-25
L12	0.05	6.616	5.76	5.213	4.633	4.179	3.897	3.56	3.149	2.94	2.719	2.643	2.418	2.369	2.238	2.133	2.016	1.939	1.713	1.718	1.656	3.17545	1.651175727	2	1	800	825	1923.144792	42.795	775	725	750		0	51.013	466964.3056	466964.3056	775	6449134	-37.5
L12	0.05	6.356	5.517	4.886	4.412	3.99	3.564	3.605	3.275	3.137	2.655	2.566	2.484	2.44	1.925	2.316	1.9	1.936	1.772	1.822	1.593	3.10755	1.004084584	3	1	825	850	3094.908587	-16.039	787.5	725	750		0	32.838	466962.6394	466962.6394	787.5	6449135.887	-50
L12	0.05	4.465	3.8	3.971	3.582	3.512	3.066	3.339	2.086	2.139	1.974	2.253	2.088	1.935	1.54	2.2	1.81	1.372	1.165	1.635	1.245	2.45885	1.371816636	4	1	850	875	1792.404273	66.85	800	725	750		0	9.509	466960.9732	466960.9732	800	6449137.774	-62.5
L12	0.05	6.17	4.971	5.178	4.197	3.332	2.926	3.849	3.313	3.559	2.423	2.574	2.397	2.449	2.377	1.93	1.666	1.651	1.382	1.604	2.016	2.9982	1.220014958	5	1	875	900	2457.510853	-6.482	812.5	725	750		0	7.45	466959.307	466959.307	812.5	6449139.661	-75
L12	0.05	7.122	6.371	5.334	4.592	3.93	3.455	3.776	3.86	3.426	2.963	2.165	2.561	1.955	1.811	1.881	0.497	2.979	1.141	1.986	1.497	3.1651	0.807883654	6	1	900	925	3917.767101	-4.988	825	725	750		0	7.423	466957.6408	466957.6408	825	6449141.548	-87.5
L12	0.05	3.865	4.454	3.659	2.208	4.771	3.578	4.866	3.119	4.468	3.075	3.019	2.683	3.992	3.703	3.426	1.379	2.874	0.931	3.785	2.469	3.3162	0.952001483	7	1	925	950	3483.397934	-22.014	837.5	725	750		0	4.4	466955.9745	466955.9745	837.5	6449143.435	-100
L12	0.05	4.766	3.67	5.307	6.272	3.149	2.734	5.863	3.185	3.18	0.849	2.461	2.488	-0.037	1.787	3.19	0.007	-0.472	-0.074	-0.692	1.429	2.4531	0.767250306	8	1	950	975	3197.261675	27.751	850	725	750		0	2.827	466954.3083	466954.3083	850	6449145.323	-112.5
L12	0.05	8.626	6.404	5.571	2.747	3.837	4.541	7.555	2.48	2.166	0.325	3.814	3.262	1.64	4.498	4.208	-0.741	-0.881	1.677	3.007	1.799	3.32675	0.87567233	9	1	975	1000	3799.080872	50.546	862.5	725	750		0	2.443	466952.6421	466952.6421	862.5	6449147.21	-125
L12	0.05	5.4	2.351	-0.724	1.115	5.992	-1.636	9.918	-0.608	2.453	-1.161	6.5	1.655	6.412	-2.426	1.995	2.311	-2.707	0.183	-2.785	-3.439	1.53995	0.609769256	10	1	1000	1025	2525.463502	0.612	875	725	750		0	1.218	466950.9759	466950.9759	875	6449149.097	-137.5
L12	0.1	7.202	6.2	5.48	4.886	4.424	4.018	3.703	3.409	3.139	2.96	2.747	2.587	2.423	2.285	2.172	2.026	1.925	1.852	1.767	1.697	3.3451	2.743464623	1	1	800	825	1219.297662	38.652	787.5	750	775		0	258.743	466949.3097	466949.3097	787.5	6449150.984	-25
L12	0.1	7.155	6.178	5.483	4.863	4.435	4.034	3.709	3.492	3.195	3.095	2.867	2.668	2.513	2.365	2.29	2.177	2.046	1.948	1.886	1.808	3.41035	1.457988321	2	1	825	850	2339.079093	-14.846	800	750	775		0	124.092	466947.6434	466947.6434	800	6449152.871	-37.5

L12	0.1	3.334	2.686	2.406	2.183	1.94	1.813	1.651	1.536	1.45	1.538	1.242	1.345	1.007	1.145	1.109	1.03	1.017	0.97	0.935	0.939	1.5638	1.07928795 2	3	1	850	875	1448.91824	68.876	812.5	750	775		0	30.747	466945.9772	466945.9772	812.5	6449154.758	-50
L12	0.1	6.077	5.139	4.805	4.291	3.994	3.426	2.941	3.007	2.575	2.801	2.473	2.234	2.024	2.117	1.829	1.97	1.706	1.66	1.555	1.726	2.9175	1.43147451 7	4	1	875	900	2038.108234	-31.409	825	750	775		0	21.625	466944.311	466944.311	825	6449156.645	-62.5
L12	0.1	7.757	6.602	6.178	5.074	4.819	4.264	4.068	3.623	3.078	3.688	3.115	3.12	3.083	2.605	2.669	2.721	2.269	2.202	2.241	2.033	3.76045	1.13139039 6	5	1	900	925	3323.742196	17.307	837.5	750	775		0	20.152	466942.6448	466942.6448	837.5	6449158.532	-75
L12	0.1	6.602	5.227	4.983	4.018	4.379	3.626	3.485	2.991	2.095	3.087	2.315	2.861	1.79	2.588	2.354	2.095	1.601	1.463	2.327	2.23	3.10585	1.03348424 4	6	1	925	950	3005.2224	-22.161	850	750	775		0	11.388	466940.9786	466940.9786	850	6449160.419	-87.5
L12	0.1	6.563	5.097	5.043	4.129	3.848	3.532	3.858	4.295	2.578	4.298	2.352	2.296	2.629	1.742	2.037	2.562	1.913	1.48	2.621	1.928	3.24005	1.19196704 1	7	1	950	975	2718.237911	18.741	862.5	750	775		0	6.867	466939.3123	466939.3123	862.5	6449162.306	-100
L12	0.1	7.201	5.436	4.892	4.698	4.871	3.708	3.116	4.585	3.461	4.131	3.107	1.95	1.699	1.237	2.784	4.165	2.178	2.536	2.588	3.217	3.578	1.10694422 4	8	1	975	1000	3232.321849	51.868	875	750	775		0	5.716	466937.6461	466937.6461	875	6449164.194	-112.5
L12	0.1	7.771	5.579	6.573	3.422	4.271	5.849	3.703	4.076	-0.078	6.663	2.768	4.115	2.73	0.891	2.773	2.999	0.818	0.906	4.682	1.193	3.5852	1.65503506 6	9	1	1000	1025	2166.23809	-24.997	887.5	750	775		0	2.786	466935.9799	466935.9799	887.5	6449166.081	-125
L12	0.1	9.68	5.697	7.509	3.635	5.941	6.281	3.033	3.971	0.382	4.458	2.919	2.971	1.321	2.716	4.585	3.131	0.435	1.257	2.318	-0.393	3.59235	1.07046415 9	10	1	1025	1050	3355.880688	91.769	900	750	775		0	3.237	466934.3137	466934.3137	900	6449167.968	-137.5
L12	0.2	5.64	4.93	4.393	3.971	3.636	3.341	3.099	2.89	2.691	2.553	2.406	2.255	2.177	2.066	1.945	1.876	1.782	1.716	1.638	1.573	2.8289	3.04452193 9	1	1	825	850	929.1770782	-15.003	812.5	775	800		0	394.355	466932.6475	466932.6475	812.5	6449169.855	-25
L12	0.2	4.268	3.714	3.36	3.027	2.769	2.561	2.403	2.187	2.13	1.96	1.952	1.736	1.751	1.618	1.48	1.536	1.365	1.365	1.366	1.25	2.1899	3.49569884 6	2	1	850	875	626.4555663	69.164	825	775	800		0	66.469	466930.9812	466930.9812	825	6449171.742	-37.5
L12	0.2	4.963	4.354	3.969	3.619	3.337	3.138	2.909	2.66	2.487	2.254	2.222	2.014	2.072	1.88	1.768	1.819	1.636	1.722	1.539	1.419	2.58905	2.63830331 5	3	1	875	900	981.3314432	-31.916	837.5	775	800		0	41.649	466929.315	466929.315	837.5	6449173.629	-50
L12	0.2	6.508	5.778	5.292	4.572	4.331	3.96	3.642	3.299	3.052	3.001	2.709	2.543	2.614	2.35	2.283	2.036	2.051	1.932	1.934	1.749	3.2818	1.94508878 8	4	1	900	925	1687.223751	14.812	850	775	800		0	35.804	466927.6488	466927.6488	850	6449175.516	-62.5
L12	0.2	5.187	4.671	4.18	3.7	3.376	2.644	2.627	2.206	2.283	2.299	2.065	2.003	1.976	1.668	1.782	1.626	1.809	1.705	1.662	1.495	2.5482	1.62382179	5	1	925	950	1569.260873	-13.593	862.5	775	800		0	19.029	466925.9826	466925.9826	862.5	6449177.403	-75
L12	0.2	4.996	4.238	3.97	3.747	3.853	3.657	2.963	3.328	2.618	2.868	2.571	2.035	2.534	1.756	1.612	1.362	1.214	1.966	1.568	0.754	2.6805	1.89753331 4	6	1	950	975	1412.62342	5.187	875	775	800		0	10.706	466924.3164	466924.3164	875	6449179.29	-87.5
L12	0.2	5.838	4.279	4.114	4.721	3.854	3.786	3.857	3.875	2.726	2.49	3.763	1.79	2.939	1.576	1.997	2.979	1.984	3.143	2.373	1.815	3.19495	1.89245086 6	7	1	975	1000	1688.260476	55.381	887.5	775	800		0	8.53	466922.6501	466922.6501	887.5	6449181.177	-100
L12	0.2	5.582	5.198	4.486	4.041	4.203	3.09	2.825	2.105	2.32	2.613	2.195	2.413	3.998	1.806	2.563	3.634	2.643	2.629	0.97	0.64	2.9977	2.64130417 4	8	1	1000	1025	1134.931762	-36.567	900	775	800		0	4.014	466920.9839	466920.9839	900	6449183.065	-112.5
L12	0.2	6.082	5.181	4.693	4.523	3.879	4.236	4.841	3.605	2.405	3.313	2.857	1.275	2.162	2.395	0.005	3.003	1.842	2.79	2.095	0.411	3.07965	1.71907098 9	9	1	1025	1050	1791.461795	68.549	912.5	775	800		0	4.608	466919.3177	466919.3177	912.5	6449184.952	-125
L12	0.2	9.061	6.623	6.328	6.666	6.909	5.335	4.525	4.975	4.797	4.539	5.67	4.668	4.04	1.639	3.512	5.52	3.111	4.618	2.465	0.916	4.79585	1.80349278 5	10	1	1050	1075	2659.201102	-24.795	925	775	800		0	5.13	466917.6515	466917.6515	925	6449186.839	-137.5
L12	0.2	3.104	2.692	2.35	2.127	1.915	1.765	1.632	1.545	1.439	1.35	1.267	1.226	1.15	1.102	1.069	1.011	0.98	0.933	0.911	0.869	1.52185	3.15752186 6	1	1	850	875	481.9760763	70.867	837.5	800	825		0	204.557	466915.9853	466915.9853	837.5	6449188.726	-25
L12	0.2	6.736	5.796	5.116	4.653	4.13	3.733	3.475	3.096	2.951	2.691	2.442	2.306	2.24	2.066	1.901	1.818	1.679	1.645	1.488	1.518	3.074	4.64769839 2	2	1	875	900	661.402643	-33.346	850	800	825		0	70.177	466914.319	466914.319	850	6449190.613	-37.5
L12	0.2	2.184	1.798	1.421	1.303	1.223	1.295	1.168	1.215	1.122	1.026	1.007	1.112	1.14	1.072	1.016	1.051	0.943	1.091	1.008	1.053	1.2124	1.09403725 3	3	1	900	925	1108.188955	15.497	862.5	800	825		0	47.033	466912.6528	466912.6528	862.5	6449192.5	-50
L12	0.2	4.161	3.958	3.335	3.167	2.804	2.829	2.399	2.267	2.425	1.927	1.828	1.747	1.472	1.919	1.604	1.532	1.486	1.523	1.689	1.601	2.28365	2.24115793 9	4	1	925	950	1018.959869	-18.91	875	800	825		0	21.623	466910.9866	466910.9866	875	6449194.387	-62.5
L12	0.2	0.234	0.634	0.46	0.398	0.291	0.242	0.145	0.143	0.631	0.449	0.033	0.821	0.722	0.415	0.16	0.378	0.261	0.307	0.167	0.402	0.36465	0.42722502 9	5	1	950	975	853.5314541	6.116	887.5	800	825		0	10.35	466909.3204	466909.3204	887.5	6449196.274	-75
L12	0.2	5.725	5.046	3.975	3.744	3.531	3.689	2.773	3.393	2.298	3.1	2.251	2.712	2.055	2.235	1.709	1.456	1.786	2.116	1.855	1.868	2.86585	2.93668516 9	6	1	975	1000	975.8792092	58.474	900	800	825		0	7.396	466907.6542	466907.6542	900	6449198.161	-87.5
L12	0.2	2.649	1.808	0.485	1.21	0.438	0.773	0.825	1.865	1.446	0.388	-0.122	1.449	0.663	-0.514	-0.048	0.28	-0.074	-1.428	-1.194	0.479	0.5689	0.89294464	7	1	1000	1025	637.1055654	-41.855	912.5	800	825		0	3.219	466905.9879	466905.9879	912.5	6449200.048	-100
L12	0.2	4.094	6.24	4.216	2.4	2.907	3.594	3.626	2.209	1.666	1.344	3.025	2.484	1.758	3.937	1.161	1.709	1.653	0.577	2.492	0.992	2.6042	2.51034979 4	8	1	1025	1050	1037.38531	66.216	925	800	825		0	3.669	466904.3217	466904.3217	925	6449201.935	-112.5
L12	0.2	8.705	8.743	5.704	5.739	4.532	5.049	3.858	4.426	5.049	3.476	3.558	4.816	2.952	2.902	1.268	3.577	3.419	3.75	2.984	2.186	4.33465	2.71213609 8	9	1	1050	1075	1598.242066	-32.87	937.5	800	825		0	4.111	466902.6555	466902.6555	937.5	6449203.823	-125
L12	0.2	5.487	4.784	4.264	3.838	3.505	3.216	2.977	2.773	2.594	2.433	2.275	2.146	2.043	1.941	1.85	1.757	1.673	1.604	1.534	1.471	2.70825	2.36467117 3	1	1	875	900	1145.296662	-8.426	862.5	825	850		0	486.079	466900.9893	466900.9893	862.5	6449205.71	-25
L12	0.2	6.486	5.633	4.94	4.447	4.016	3.663	3.392	3.132	2.894	2.761	2.556	2.407	2.29	2.147	2.077	1.947	1.88	1.808	1.696	1.63	3.0901	1.78510259 2	2	1	900	925	1731.048968	-8.318	875	825	850		0	183.67	466899.3231	466899.3231	875	6449207.597	-37.5
L12	0.2	5.335	4.56	4.049	3.613	3.318	3.005	2.822	2.691	2.546	2.336	2.208	1.969	1.971	1.729	1.749	1.697	1.569	1.59	1.457	1.348	2.5781	1.72738838 3	3	1	925	950	1492.484276	-19.521	887.5	825	850		0	63.343	466897.6568	466897.6568	887.5	6449209.484	-50
L12	0.2	4.035	3.514	3.263	2.835	2.421	2.508	2.186	2.087	2.171	1.905	1.642	1.763	1.837	1.5	1.306	1.389	1.52	1.414	1.035	1.118	2.07245	1.72350805	4	1	950	975	1202.460296	6.482	900	825	850		0	25.517	466895.9906	466895.9906	900	6449211.371	-62.5
L12	0.2	5.564	4.57	3.904	3.743	3.191	2.971	2.53	2.643	2.917	2.365	2.247	2.049	2.185	1.811	2.052	1.438	1.668	1.875	1.311	1.265	2.61495	1.92901334 7	5	1	975	1000	1355.589376	57.064	912.5	825	850		0	16.438	466894.3244	466894.3244	912.5	6449213.258	-75
L12	0.2	4.124	4.024	3.615	2.873	2.774	2.067	1.91	2.25	2.98	1.698	2.338	2.168	1.289	1.83	1.693	1.875	1.693	1.734	1.663	1.43	2.3014	2.65639141 1	6	1	1000	1025	866.3632893	-40.802	925	825	850		0	6.566	466892.6582	466892.6582	925	6449215.145	-87.5
L12	0.2	6.11	4.783	4.28	3.027	2.362	3.077	3.582	2.12	2.571	2.495	2.432	1.631	1.265	2.391	2.446	0.805	1.521	2.106	1.683	0.919	2.5803	1.86804176 5	7	1	1025	1050	1381.286033	59.146	937.5	825	850		0	6.979	466890.992	466890.992	937.5	6449217.032	-100
L12	0.2	8.73	7.166	6.364	5.597	4.615	4.298	4.403	4.25	4.312	3.687	3.654	2.501	3.663	3.723	2.923	2.053	2.103	2.55	2.036	2.257	4.04425	1.94659885 9	8	1	1050	1075	2077.598054	-33.5	950	825	850		0	7.348	466889.3257	466889.3257	950	6449218.919	-112.5
L12	0.2	5.249	4.47	3.915	3.483	3.143	2.87	2.637	2.418	2.264	2.118	1.969	1.863	1.75	1.657	1.567	1.491	1.409	1.365	1.29	1.238	2.4083	2.01364131 9	1	1	900	925	1195.992542	13.958	887.5	850	875		0	507.595	466887.6595	466887.6595	887.5	6449220.806	-25
L12	0.2	4.746	3.995	3.541	3.126	2.845	2.557	2.392	2.121	2.052	1.877	1.777	1.704	1.544	1.481	1.405	1.4	1.265	1.258	1.177	1.183	2.1723	1.94435886 5	2	1	925	950	1117.232029	-19.583	900	850	875		0	118.542	466885.9933	466885.9933	900	6449222.694	-37.5

L12	0.2	3.777	3.113	2.86	2.574	2.419	2.118	1.934	1.799	1.833	1.693	1.34	1.482	1.251	1.03	1.332	1.287	1.142	1.122	0.854	1.027	1.79935	2.140446695	3	1	950	975	840.6430702	2.059	912.5	850	875		0	35.678	466884.3271	466884.3271	912.5	6449224.581	-50
L12	0.2	4.306	3.647	3.036	3.055	2.92	2.455	2.327	2.033	1.983	1.7	1.272	1.464	1.764	1.135	1.526	1.335	0.922	1.249	1.158	1.093	2.019	2.209732873	4	1	975	1000	913.6850994	62.368	925	850	875		0	19.389	466882.6609	466882.6609	925	6449226.468	-62.5
L12	0.2	3.206	3.406	2.602	2.116	1.949	3.131	2.085	1.863	1.934	0.963	2.052	2.23	0.839	1.066	0.882	1.363	1.469	1.757	1.308	1.751	1.8986	3.331779477	5	1	1000	1025	569.8456375	-47.456	937.5	850	875		0	6.91	466880.9946	466880.9946	937.5	6449228.355	-75
L12	0.2	6.096	4.194	2.86	2.645	2.876	3.273	2.329	1.429	2.7	1.895	1.509	1.789	0.994	1.623	1.317	1.216	1.536	2.758	1.366	1.461	2.2933	2.499349679	6	1	1025	1050	917.5586831	61.635	950	850	875		0	6.954	466879.3284	466879.3284	950	6449230.242	-87.5
L12	0.2	8.95	6.059	6.059	4.619	4.736	4.778	4.514	3.353	3.327	2.868	2.979	2.626	2.921	2.119	3.158	2.494	1.258	2.515	2.04	1.676	3.65245	2.612790877	7	1	1050	1075	1397.911341	-37.239	962.5	850	875		0	7.063	466877.6622	466877.6622	962.5	6449232.129	-100
L12	0.05	5.753	4.904	4.278	3.818	3.423	3.126	2.856	2.635	2.427	2.255	2.133	1.996	1.887	1.792	1.679	1.592	1.515	1.444	1.399	1.325	2.61185	0.780249488	1	1	925	950	3347.454937	-19.621	912.5	875	900		0	355.176	466875.996	466875.996	912.5	6449234.016	-25
L12	0.05	4.875	4.16	3.568	3.101	2.93	2.587	2.327	2.129	2.196	2.027	1.863	1.712	1.638	1.709	1.452	1.364	1.571	1.251	1.318	1.242	2.251	1.243587901	2	1	950	975	1810.085156	-0.358	925	875	900		0	48.014	466874.3298	466874.3298	925	6449235.903	-37.5
L12	0.05	4.966	4.4	4	3.265	2.858	3.168	2.265	2.115	2.282	1.976	1.886	1.63	1.736	1.946	1.604	1.317	1.668	1.359	0.946	1.023	2.3205	1.203974068	3	1	975	1000	1927.367093	62.331	937.5	875	900		0	20.45	466872.6635	466872.6635	937.5	6449237.79	-50
L12	0.05	4.883	4.608	3.68	3.669	3.655	3.023	3.241	2.075	3.191	2.778	2.847	2.846	2.1	4.458	2.614	1.989	3.16	2.703	3.318	2.032	3.1435	2.806122405	4	1	1000	1025	1120.229108	-48.216	950	875	900		0	5.943	466870.9973	466870.9973	950	6449239.677	-62.5
L12	0.05	3.602	3.268	3.543	2.629	2.895	3.543	2.329	1.906	1.474	1.316	2.611	1.028	2.317	1.772	0.683	0.983	1.801	1.638	0.796	1.429	2.07815	1.258230268	5	1	1025	1050	1651.645214	60.931	962.5	875	900		0	5.007	466869.3311	466869.3311	962.5	6449241.565	-75
L12	0.05	5.2	4.426	5.002	5.434	2.528	5.571	2.106	1.541	1.672	2.085	2.006	2.023	1.621	3.995	0.142	3.403	1.567	1.513	2.103	0.748	2.7343	1.251372673	6	1	1050	1075	2185.040522	-38.848	975	875	900		0	4.14	466867.6649	466867.6649	975	6449243.452	-87.5
L12	0.05	6.763	5.801	5.073	4.526	4.097	3.732	3.452	3.204	2.987	2.779	2.618	2.465	2.33	2.197	2.079	2.003	1.89	1.807	1.742	1.657	3.1601	1.346942232	1	1	950	975	2346.128827	0.869	937.5	900	925		0	248.932	466865.9987	466865.9987	937.5	6449245.339	-25
L12	0.05	7.768	6.625	5.823	5.204	4.688	4.275	3.824	3.621	3.29	3.046	2.782	2.697	2.506	2.407	2.181	2.185	2.013	1.908	1.975	1.766	3.5292	1.408421158	2	1	975	1000	2505.784566	66.883	950	900	925		0	66.468	466864.3324	466864.3324	950	6449247.226	-37.5
L12	0.05	7.646	6.684	5.836	5.916	5.242	4.939	4.917	4.316	4.111	4.036	3.48	3.745	3.344	3.238	3.251	2.912	2.806	2.507	3.014	2.651	4.22955	2.708813865	3	1	1000	1025	1561.402965	-53.133	962.5	900	925		0	16.567	466862.6662	466862.6662	962.5	6449249.113	-50
L12	0.05	7.152	5.83	5.415	5.177	4.65	4.151	4.023	3.493	3.257	3.36	2.797	3.058	2.297	2.422	2.299	2.141	1.974	1.943	1.56	1.275	3.4137	1.43402019	4	1	1025	1050	2380.510417	59.541	975	900	925		0	12.629	466861	466861	975	6449251	-62.5
L12	0.05	7.154	6.937	5.562	4.839	4.829	4.156	3.593	3.361	3.554	2.71	2.811	2.745	3.022	2.668	2.803	2.121	2.146	1.884	2.115	1.438	3.5224	1.119546619	5	1	1050	1075	3146.273627	-40.942	987.5	900	925		0	9.538	466873.5	466873.5	987.5	6449263.5	-75