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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)]: Diamond Drilling and Re-Assay Report on the Dansey **TOTAL COST:** $240,685.35

AUTHOR(S): Zhonghua Pan **SIGNATURE(S):** Zhonghua Pan

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-4-517 / 9th Sept-08 **YEAR OF WORK:** 2009

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 4801417, Oct 14, 2010

PROPERTY NAME: Logan Lake

CLAIM NAME(S) (on which the work was done): Dansey (#528848

COMMODITIES SOUGHT: Copper

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092I NE034

MINING DIVISION: Kamloops Mining Division **NTS/BCGS:** 092I/10

LATITUDE: 50 ° 31 ' 2 " **LONGITUDE:** 120 ° 53 ' 2 " **(at centre of work)**

OWNER(S):
1) Logan Copper Inc. 2)

MAILING ADDRESS:
Suite 216-7198 Vantage Way, Ladner, BC V4G 1K7

OPERATOR(S) [who paid for the work]:
1) Logan Copper Inc. 2)

MAILING ADDRESS:
Suite 216-7198 Vantage Way, Ladner, BC V4G 1K7

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Copper, Molybdenum, Guichon Batholith, Jurrasic, fault zone, chlorite-Quartz alteration, hydrothermal-porphyry

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 711, 1166, 1585, 1787, 1934, 1935, 2024, 2066 2114, 2282, 3184, 3459, 4983, 4984, 5065, 5851, 10783, 30458, 31466

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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			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other	Core: 910 samples assayed for Gold and 30	Element ICP 528848	$21,806.00
DRILLING (total metres; number of holes, size)			
Core	518.93m, 3 holes, NQ	528848	$112,950.00
Non-core			
RELATED TECHNICAL			
Sampling/assaying	518.93m of core logged and cut	528848	$105,929.35
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:	$240,685.35

2009 DIAMOND DRILLING AND RE-ASSAY ASSESSMENT REPORT ON THE DANSEY PROJECT

Logan Lake, British Columbia, Canada
Kamloops Mining Division
NTS: 092I/10
Claim Number: 528848
Claim Name: Dansey

Centered at:
UTM Zone 10
650000E 5598300N
NAD 83

or

Latitude: 50°30'2"
Longitude: 120°53'2"

Prepared for

Logan Copper Inc.

216-7198 Vantage Way
Ladner, BC V4G 1K7

Prepared by

Zhonghua Pan, Ph.D

Dated: January 5th, 2011

TABLE OF CONTENT

1. INTRODUCTION

Between August 1st, 2009 and October 15th, 2009 Logan Copper Inc. carried out three NQ sized diamond drilling on the Dansey Claim (tenure number 528848). Logan Copper Inc. also reassayed all of its 2008 drillholes.

The Dansey Project is located on the Logan Copper Property within a historically significant and highly productive mining camp. Industry attention was first brought to the Dansey Project area in the mid 60's shortly after the discovery of the Lornex, Valley and Bethleham pits, which today comprise the Highland Valley Mining complex, located within seven kilometers of the Dansey Project.

Geologically, the Dansey Project area is located on the eastern portion of the Guichon Creek Batholith, a regionally significant Jurassic-age intrusive and the host of 23 developed prospects and past producers including the Lornex and Valley open pits.

2. PROPERTY DESCRIPTION

The entire Logan Copper Property is 100% owned by Logan Copper Inc. There are no encumbrances on the mineral tenures comprising the Logan Copper Property and Dansey Project area other than those normally reserved by the Crown.

The Dansey Project is located on the Logan Coppers Property (Table 2). The registered and 100% beneficial owner of the Logan Copper Property is Logan Copper Inc. The Logan Copper Property consists of 128 contiguous and three noncontiguous, mineral claims, covering approximately 52,450.29 hectares (Figure 1). The Dansey Project area is located near the eastern boundary of the Logan Copper Property and consists of five contiguous mineral claims covering 2,485.58 hectares (Figure 2, Table 1).

The Logan Copper Property has been acquired through a combination of staking and cash purchases between May 22nd, 2008 and October 15th, 2010.

TABLE 1: DANSEY PROJECT TENURES

Dansey Project Area				
Tenure Number	**Claim Name**	**Issue Date**	**Good To Date**	**Area (ha)**
528848	**DANSEY**	**23-Feb-06**	**16-Jul-12**	**493.13**
528849	**DAB**	**23-Feb-06**	**16-Jul-12**	**492.95**
580837		**9-Apr-08**	**16-Jul-12**	**492.94**
580838		**9-Apr-08**	**16-Jul-12**	**513.4**
580839		**9-Apr-08**	**16-Jul-12**	**493.16**
			TOTAL	**2485.58**

TABLE 2: LOGAN COPPER PROPERTY TENURES

Logan Copper Property Tenure Numbers												
514175	580839	581002	581016	585318	585376	585387	603867	611443	611563	679143	705633	705644
522351	580973	581003	581018	585319	585378	585388	603868	611444	611583	679148	705635	705645
528848	580979	581005	581019	585320	585379	585390	605002	611445	611603	696823	705636	705646
528849	580984	581006	581022	585321	585380	585391	605003	611446	611623	699924	705637	705647
528955	580989	581008	581024	585322	585381	586826	610183	611463	611643	699946	705638	705648
570172	580992	581009	581026	585323	585382	590554	610203	611483	611663	700064	705639	705649
580823	580997	581011	581027	585324	585383	596226	610223	611503	634304	700065	705640	705650
580830	580998	581012	581028	585325	585384	596301	610243	611504	647463	705630	705641	705651
580837	580999	581014	581030	585374	585385	596302	610244	611523	663644	705631	705642	744623
580838	581000	581015	585317	585375	585386	600351	611423	611543	663657	705632	705643	744722
835235												

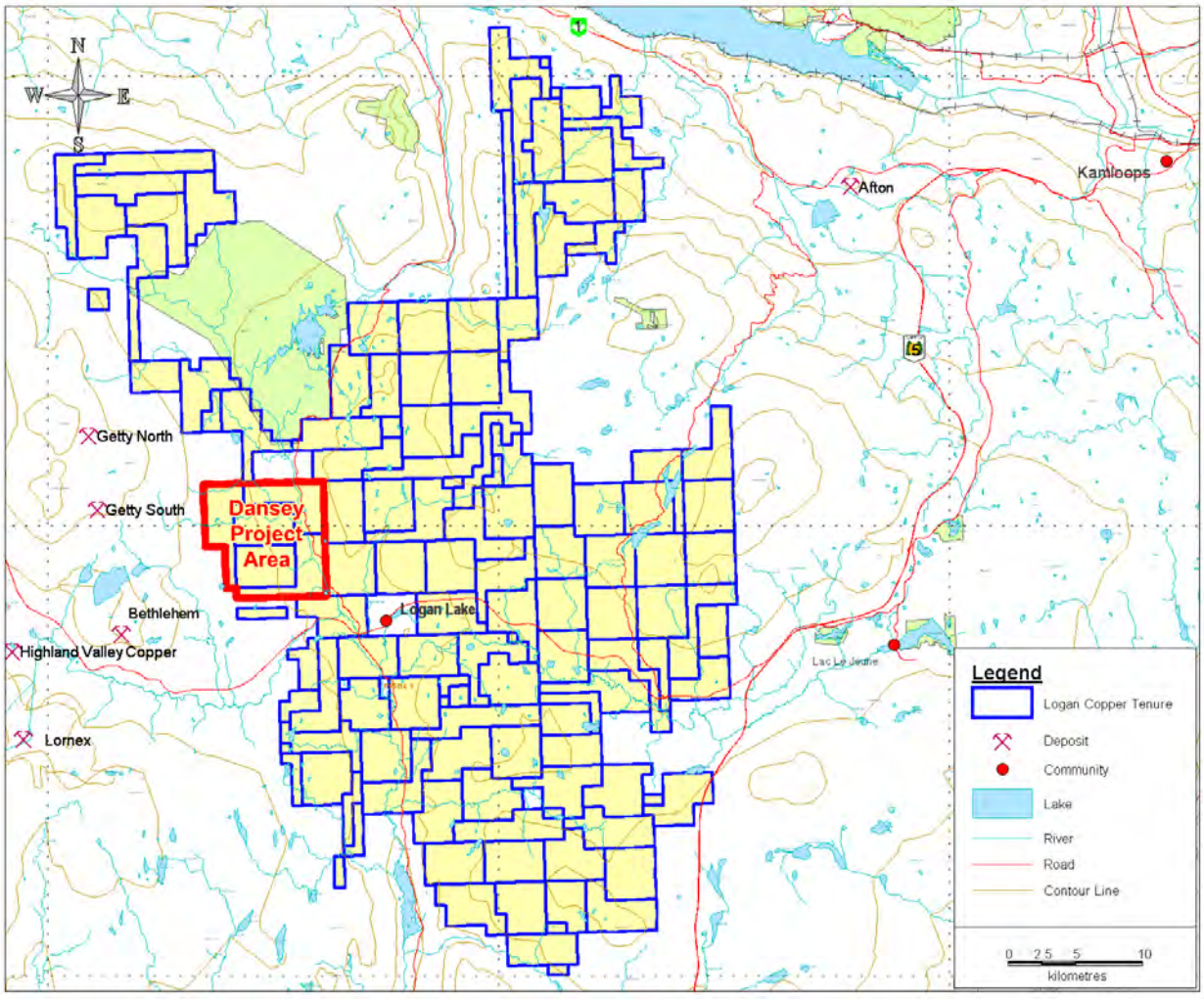

FIGURE 1: LOGAN COPPER PROPERTY TENURE MAP

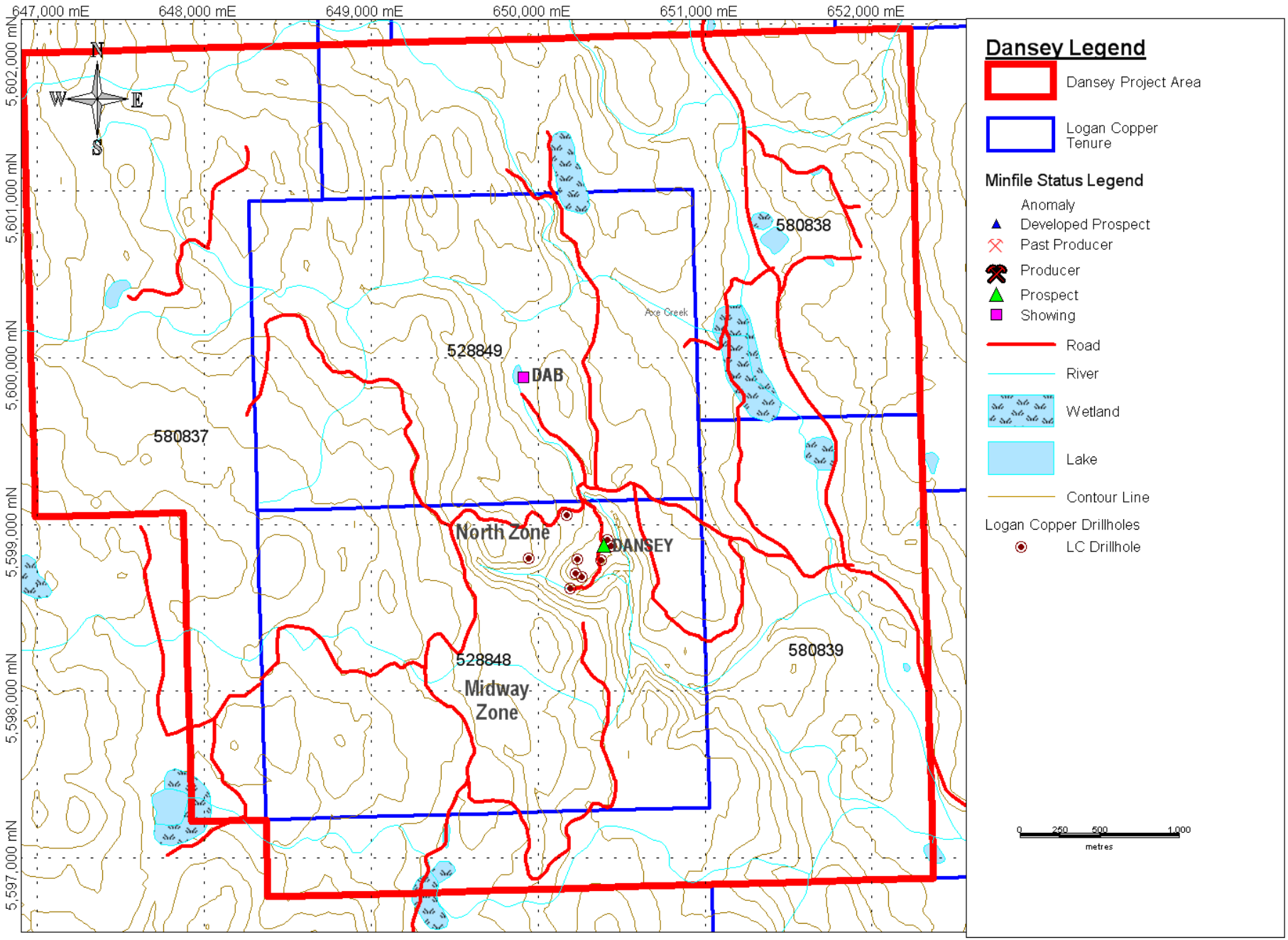

FIGURE 2: DANSEY PROJECT MAP

3. LOCATION

The Logan Copper Property is located in south central British Columbia, Canada (Figure 3). The Property is centered near the community of Logan Lake. This community is situated approximately 48 km north of Merritt, British Columbia and approximately 59km southwest of Kamloops, British Columbia. The property can be accessed by highway 97C from Merritt or highway 5 south from Kamloops to exit 336 turning west on Meadow Creek Rd to Logan Lake.

FIGURE 3: LOGAN COPPER LOCATION MAP

The Dansey Project is situated on the eastern edge of the Logan Copper Property and is centered at UTM zone 10 easting 650000 northing 5598300 (NAD 83). The Dansey Project is situated 5.6 km northwest of the community of Logan Lake, and can be accessed using a 4x4 vehicle via paved road and well maintained forestry access road.

4. ACCESS

Starting from the intersection of Meadow Creek road, highway 97C and Tunkwa Lake road in the Community of Logan Lake, the center of the Dansey Project can be accessed by traveling north on Tunkwa Lake road for 4 km, then travel west for 5 km on a well maintained forestry access road.

Portions of the Dansey Project area, recently worked by Logan Copper, can be accessed from approximately March to late November and year round with minimal snow plowing. Other parts of the Project can be access by a well developed network of unmaintained logging and exploration roads which remain in good condition, and numerous unmaintained roads which require minimal rehabilitation.

5. PHYSIOGRAPHY AND CLIMATE

PHOTO 1: DANSEY PROJECT ARE LOOKING SOUTHEAST TO LOGAN LAKE

The property is located in the Thompson Plateau of Southern British Columbia. Topography is generally mild to moderate, with elevations ranging between 1040m to 1380m above sea level within the boundaries five Dansey Project tenures. Photo 1 and Photo 2 exemplify the physiography of Dansey Project area.

Small seasonal creeks flow east draining the area into Guichon Creek, and numerous small swamps and lakes are located throughout the Dansey area tenures. Vegetation comprises of lodgepole pine with sporadic local fir, birch, poplar and spruce surrounding small intermittent open fields and meadows. The general area has been devastated by the Mountain Pine Beetle infestation and much of the property is littered with dead fall.

The local climate is typical of south central British Columbia. Annual temperatures range from 35^{o}C to -40^{o}C. Negative temperatures can be typically expected between late October and late March. Annual precipitation ranges around an average of 30 cm.

PHOTO 2: SOUTHERN DANSEY PROJECT AREA LOOKING NORTH

6. HISTORY

Mining and exploration has played a significant role in the Logan Lake area for well over a century. Heightened industry attention in the Dansey Project area coincided with the first production from the Bethlehem Copper Mine and the discovery of the Valley ore body in the early sixties. In the seventies the Town of Logan Lake was established to facilitate the workforce for the Lornex Mine, which today along with the Valley pit comprises the Highland Valley Mining complex.

Blue chip explorers such as Noranda Exploration Company and Cominco Limited along with half a dozen juniors have conducted exploration programs and identified significant geochemical and geophysical anomalies within the boundaries of the current Dansey Project area tenures. Subsequent historic drilling has intersected significant intervals of copper mineralization in a series of shallow drill percussion drill holes not exceeding 110 meters.

6.1. EXPLORATION HISTORY OF THE DANSEY PROJECT

The first recorded assessment work conducted in the area of the Dansey Project was carried out in 1965. A large geochemical survey was conducted on behalf of New Indian Mines Ltd. (“Indian Mines”) and Vananda Explorations Ltd. (“Vananda Explorations”) on their Eden mineral claims which partly overlaped the southwest corner of the Dansey Project area. 1507 soil samples were collected at 300 by 200 meter intervals roughly half of which were located on ground currently held by Logan Copper. The samples were tested using the qualitative rubeanic acid method in a field laboratory. “Although the soil samples did not show a pattern of anomalous values that could be contoured, the results were sufficiently encouraging to merit additional work in this area.” (ARIS 711)

In 1967 Alwin Mining Company Ltd. (“Alwin”) flew a magnetometer survey over their HJ and DAB tenure blocks located along the eastern edge of the Dansey Project tenures. The survey measured 4 by 2.5 miles at approximately 1/8 mile line intervals and covered most of the eastern half and much of the southern half of the current Dansey Project area.

The purpose of the survey was to identify bedrock structure. Richard O. Crosby, P. Eng. inferred the high magnetic anomalies, on the western portion of the survey, as disseminated magnetite within the igneous mass and consequently interpreted the contact zone between the Guichon Creek Batholith and Nicola Volcanics. The contact zone was identified running north northwest from the southeast corner of the current Dansey Project area to the RM MINFILE located north and center of the Dansey project area. This contact zone was interpreted as being intersected by three southwest to northeast running faults with the northern most fault being intersected by a minor fault near the Dab MINFILE area. (ARIS 1166)

In 1968 North Pacific Mines Ltd. (“North Pacific”) began its exploration program over its property, located adjacent to Alwin’s ground. North Pacific flew a large aeromagnetic survey wich stretched across the center and beyond the northwest and southeast corners of the current Dansey Project tenures. The survey consisted of 40 lines averaging 3 miles and spaced at about 545 feet. The author identified four anomalies within the surveyed area, three of which are located within the boundaries of the Dansey project area. (ARIS 1585)

In late 1968 Alwin followed up their earlier aeromagnetic survey with geochemical work. 911 soil samples were collected and shipped to Technical Service Laboratories in Vancouver for analysis. The survey indicated a single, >100 ppm, 150 by 1100 foot anomaly trending and open to the northwest. The anomaly is located approximately 800m northeast of the Dab MINFILE. (ARIS 1787)

Following its aeromagnetic survey, North Pacific optioned out the property to Thermochem Industries Ltd. which had a working agreement with Noranda Exploration Company (“Noranda”). That year Noranda conducted a comprehensive geochemical survey covering nearly the entire North Pacific property group. Samples were taken from multiple soil horizons and analyzed for copper and molybdenum. Results are summarized in assessment reports 1934, 1935 and 2066. While molybdenum results were relatively muted the survey identified a large area of geochemical copper anomalies ranging from 100ppm to 1600ppm. An 800m diameter area of >300ppm anomalies (“Noranda’s Central Geochemical Anomaly”) was identified centered near the Dansey MINFILE showing. Numerous smaller anomalies in the surrounding area were located as far as 3.8km from the Noranda’s Central Geochemical Anomaly.

Concurrently, Comet-Krain Mining Corp. (“Comet Mining”) carried out its own geochemical survey southeast of North Pacific’s ground. This survey indicated low order but discreet geochemical copper anomalies. Results from this survey were similar in magnitude and position to anomalies surrounding Noranda’s Central Geochemical Anomaly, identified by Noranda the same year. (ARIS 2024)

In late 1969 large portions of the Dansey project area were subjected to induced polarization (“IP”) surveys.

Indian Mines and Vananda Explorations commissioned an IP on its Eden property. North-south cut lines were located 300 feet apart with 200 foot and 400 foot electrode spacing. An area of elevated chargeability was measured approximately 600m west of Logan Copper’s “Midway Showing.” Jon G. Baird P.Eng., the author of the subject surveys assessment report concluded:

The present induced polarization survey has indicated one area at least 400' in width by 2000' in length which exhibits above normal chargeability responses. These responses are interpreted as being due to disseminations of from 1% to 2% by volume of metallically conducting

mineralization. In the present geological environment it appears that there is a real possibility that the chargeability increases may be due to concentrations of sulfide mineralization. (ARIS 2114)

Noranda also conducted IP surveys on three grids surrounding Noranda's Central Geochemical anomaly. A series of high order anomalies were identified on the eastern grid overlying a lowland swamp along Guichon Creek, on the eastern half of the Dansey project area. The larges consistent anomaly in the area measures 550 feet by 1200 feet with a general anomalies trend running for over 2km northsouth. It appears that no IP survey was conducted or data was not disclosed on the Noranda's Central Geochemical Anomaly itself. (ARIS 2282)

In the spring of 1971 Comet Mining conducted a ground magnetometer survey on the same points as its earlier geochemical survey. Results were mostly inconclusive. Recommendations included further geophysical and geochemical investigations. (ARIS 3184)

Alwin also conducted a ground magnetometer survey on its property the same year. The southwest portion of the survey returned greater magnetic variation then the northeast portion. The author W. S. Read P.Eng., interpreted this zone of variation as the contact between the Guichon Creek Batholith and the Nicola Volcanics with the embayments along the zone interpreted as a serious of northeast trending faults. This is congruent with the conclusions of Alwin's aeromagnetic survey four years earlier. (ARIS 3459)

In 1973 Indian Mines, which changed its name to Azure Resources Ltd. ("Azure") in 1972, also performed a ground magnetometer survey on their Eden and Ezra claim groups. The Ezra claim group was located south of the Eden claim block, off ground currently held Logan Copper. No significant anomalies were encountered indicating no significant changes in bedrock geology or structure. (ARIS 4321)

1973 to 1975 percussion drilling was conducted by North Pacific, Comet Mining and a privet operator.

Following 1975 little work was recorded in the area and much of the ground described above was dropped. In 1982 Cominco Ltd. ("Cominco") conducted approximately 29.4km of reconnaissance scale muliseparation, induced polarization survey work on their Forge property. The Forge property was located on the southern portion of today's Dansey Project covering approximately the same ground as Azure's Eden claim block. Cominco's work identified a 400m by 850m anomaly open to the north along its long axis and coincident with Indian Mines 1969 IP anomaly (ARIS 10783). Ground check was recommended however no further work is recorded until the property was acquired by Logan Copper Inc., then SNL Enterprises Ltd.

Logan Copper Inc. carried out a large Modile Metal Ion (“MMI”) Survey in the area of the Dansey Minfile. The survey identified a 1700m by 800m geochemical anomaly centered south of the Dansey Minfile (ARIS 30458). Fallowing the completion of the MMI Survey Logan Copper Inc. carried out a program of reconnaissance prospecting, targeting historically significant geological, geophysical and geochemical anomalies located on the Dansey Project area and within the MMI Central Anomaly identifying many recorded historical showings and numerous unrecorded surface expressions of hydrothermal-porphyry copper mineralization within the Dansey Project area.

6.2. HISTORICAL DRILLING ON THE DANSEY PROJECT

In 1974 North Pacific and Comet Mining carried out a 21 percussion drill-hole program. Drilling was concentrated in three areas. The 21 holes totaled 5230 feet.

Nine of the 21 holes were drilled to a maximum depth of 320 feet along a northsouth running road 1.5 km northwest of the Dab MINFILE. No significant mineralization was intersected. (ARIS 5065)

Drill-holes R.A.-10 through R.A.-14 were drilled immediately south of the Dansey MINFILE. Hole R.A.-14 was terminated after only 50 feet of drilling with the remaining holes reaching depths between 270 and 350 feet and intersecting significant mineralization. According to the assessment report’s cost statement all holes were drilled vertically, however little further information is given. No description of the recovered cuttings is provided and it is uncertain what type of mineralization or lithology was intersected by the drill-holes. (ARIS 4984)

The final seven holes were drilled in the southeast corner of the Dansey project area, approximately 1.2km south-southeast of Logan Copper’s southern most drilling on the North Zone and approximately 850m east-southeast of Logan Copper’s eastern most Midway zone drilling on the southeastern fringe of the MMI Central Anomaly (see section 10.1 MMI PROGRAM). As with holes R.A.-10 through R.A.-14, aside from a hand drawn field map no drill-hole locations are provided and no description is given regarding the percussion drill-hole cuttings.

Assay results from these holes were on average significantly lower than those drilled immediately south of the Dansey MINFILE. However, hole R.A.-17 located at the northern extent of this drill area returned with “2000+” ppm over 30 feet. (ARIS 4983)

In assessment report 5851 the author Dr. L. E. Ross described a four percussion drill-hole program conducted on ground located east of the Dansey MINFILE and west of Guichon Creek. Drilling was conducted to test sporadic geochemical highs on a slope covered with heavy overburden. Drilling encountered overburden between 40 and 120 feet. No significant

mineralization was encountered. Maximum depth on the four dill-holes was 140 feet with total drill footage being 480 feet.

Numerous other drilling has been referenced in assessment reports however little to no information has been found regarding these drill holes. Prior to 1972 at least four diamond drill-holes were drilled on Alwin's RM claim block located east of their DAB and HJ claim blocks. (ARIS 3459) No locations, results or descriptions of the drilling were disclosed and it is unclear where information on this drilling maybe available.

In 2008 SNL Enterprises drilled 7 diamond drill holes and intersepted copper mineralization in all holes, largely located in a sereas of faults as vainlets and disseminated with some masive sulfide. One hole also intersected some limited molybdemum. Follow up drilling was recommended for 2009.

7. REGIONAL GEOLOGY

The Logan Copper property is located on the southern Intermontane Belt of British Columbia on the southern extent of the Quesnel Trench. The central geological features of this region are the Late Triassic island-arc volcanic rocks of the Nicola Group, and Late Triassic mudstone, siltstone and shale clastic sedimentary rocks located to the east, and intruded granodioritic rocks of the Late Triassic to early Jurassic. The Nicola Group is a succession of Late Triassic island-arc volcanic rocks. The Nicola Group volcanic rocks form part of a 30km to 60km wide northwest-trending belt extending from southern B.C. into the southern Yukon. This belt is enclosed by older rocks and intruded by batholiths and smaller intrusive rocks. Major batholiths in the area of the Logan Copper Property include the Guichon Creek Batholith to the west, the Wild Horse Batholith to the east, and the Iron Mask Batholith to the north northeast. Figure 5 shows the regional geology. The Guichon Creek batholith is a large, composite intrusion with a surface area of about 1,000 square kilometers. A cluster of nine major porphyry copper deposits lie within a 15 square kilometer zone in the center of the batholith. The Dansey Project area is situated eastern edge of the Guichon Creek Batholith, just northeast of these deposits.

The batholith is a semi-concordant composite intrusive that is elliptical and elongated slightly west of north. A central, steeply plunging root or feeder zone is inferred under Highland Valley, and the major deposits lie around the projection of the feeder zone to the surface. The batholiths has intruded and metamorphosed island-arc volcanic and associated sedimentary rocks of the Nicola Group, and a metamorphic halo up to 500 meters wide is developed adjacent to the contact. Rocks along the edge of the batholith are older and more mafic, and successive phases moving inward toward the core are younger and more felsic. Although contacts can be sharp, they are generally gradational and chilled contacts are not common. Variations in the batholiths geochemistry indicate local areas of assimilated country rock in the

border zone and roof pendants in the intrusion. Outcrop areas have inclusions of amphibolite and “granitized” metamorphic rocks and compositional variations.

Two younger volcanic-dominated successions are important in the area. First, a northwest trending belt of Cretaceous continental volcanic and sedimentary rocks of the Spences Bridge Group unconformably overlie both the Nicola Group country rock and intrusive rocks along the southwest flank of the batholith. Distribution of the Spences Bridge Group rocks was locally controlled by reactivation of older faults that were important mineralization conduits in the batholith, such as the Lornex fault. Second, continental volcanic and sedimentary rocks of the Tertiary Kamloops Group cover extensive areas of the batholith and also overlie Triassic and Jurassic rocks from north of Highland Valley to the Thompson River. These also form isolated outliers and local intrusive centers south of the Highland Valley.

8. PROPERTY GEOLOGY

The Dansey Project area of the Logan Copper property is situated at the eastern edge of the Guichon Creek batholith and overlies the contact between the Highland Valley Phase and the Border Phase of the Guichon Batholith. Three main rock types are evident and are comprised of diorite, quartz diorite and granodiorite with in two phases of the Guichon Creek Batholith. Figure 4 shows the local geology of the Dansey Project Area.

The North Zone lies within the border phase of the Guichon Creek Batholiths (dioritic intrusive bodies), close to the contact zone between the Guichon Creek Batholith and the Nicola Geroup Volcanics. The intersected Nicola Volcanic consists mainly of dark to black fine-grained and cryptocrystalline mafic rock.

Most of this zone is covered by overburden. The main types of intrusive rocks seen in the outcrops and in the drill core are diorite and quartz diorite with chlorite-epidote, potassic, quartz, carbonate and hematite alterations. Cataclastic diorite, cataclastics, breccias and fault gouge are seen in this zone.

Surface mapping and surface drilling indicated northeast and northwest-striking faults are well-developed in the area (Figure 6). Both holes described in this report were located in the block confined by these two groups of faults. Most of the copper mineralization intervals intercepted in the drill holes in this zone fall within the fault zones.

The Midway Showing located 1.3km south of the two drill holes lies within the Highland Valley Phase of the Guichon Creek Batholith and is close to the contact between the Highland Valley Phase and the Border phase. Surface mapping indicated that there is a joint of faults, striking northwest, southeast, and southwest, in the intrusive body near this area.

Much of this area is also covered by overburden. The main types of intrusive rocks seen in the outcrops are diorite and quartz diorite with chlorite, potassic, quartz, carbonate and hematite alterations. Northeast striking quartz veins, ranging from several meters to 150 meters in width, are only distributed west of the northeast-striking faults. Cataclastic diorite, cataclastics, breccias and fault gouge are also seen in this area.

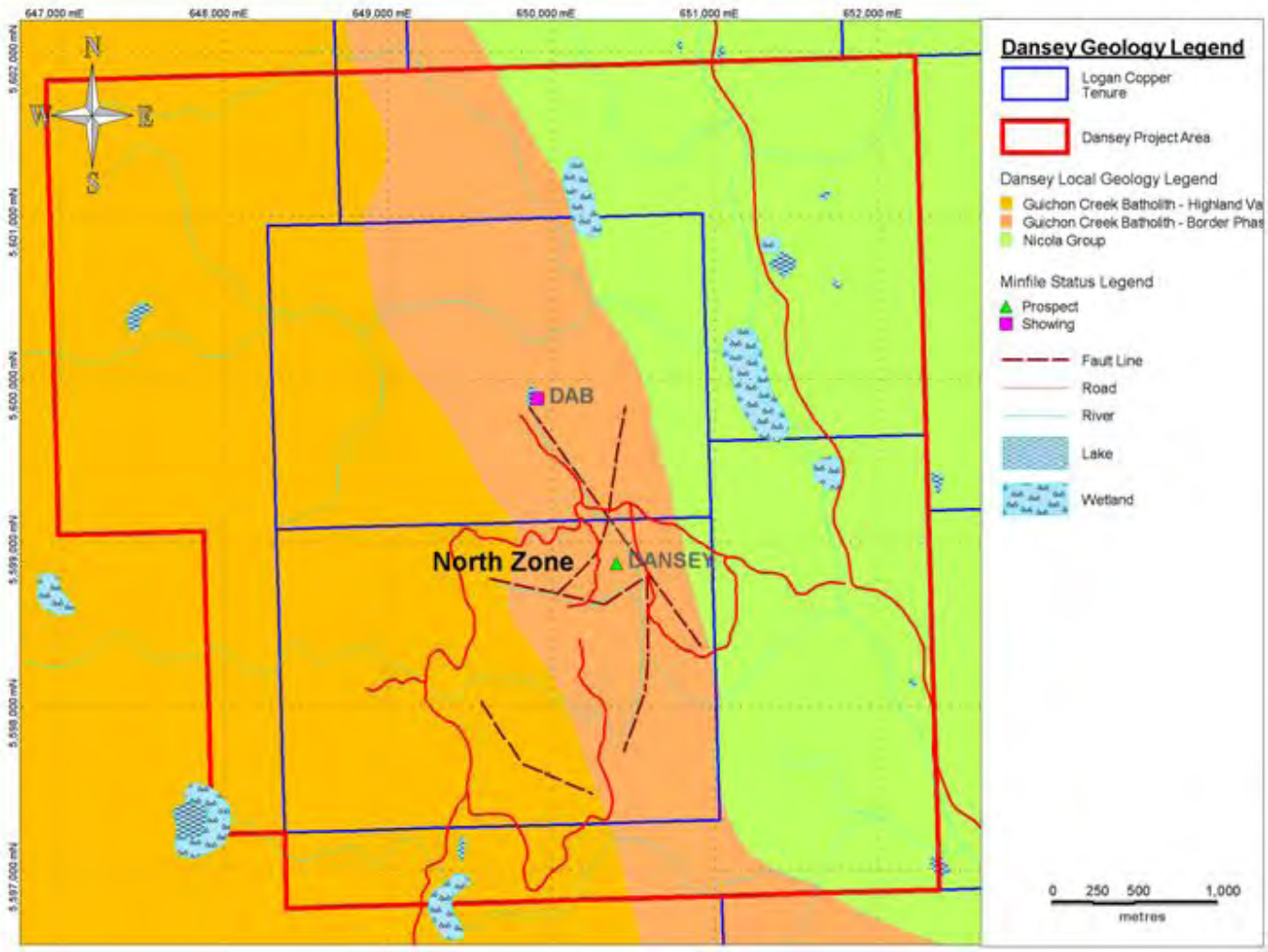

FIGURE 4: LOCAL GEOLOGY DANSEY PROJECT AREA

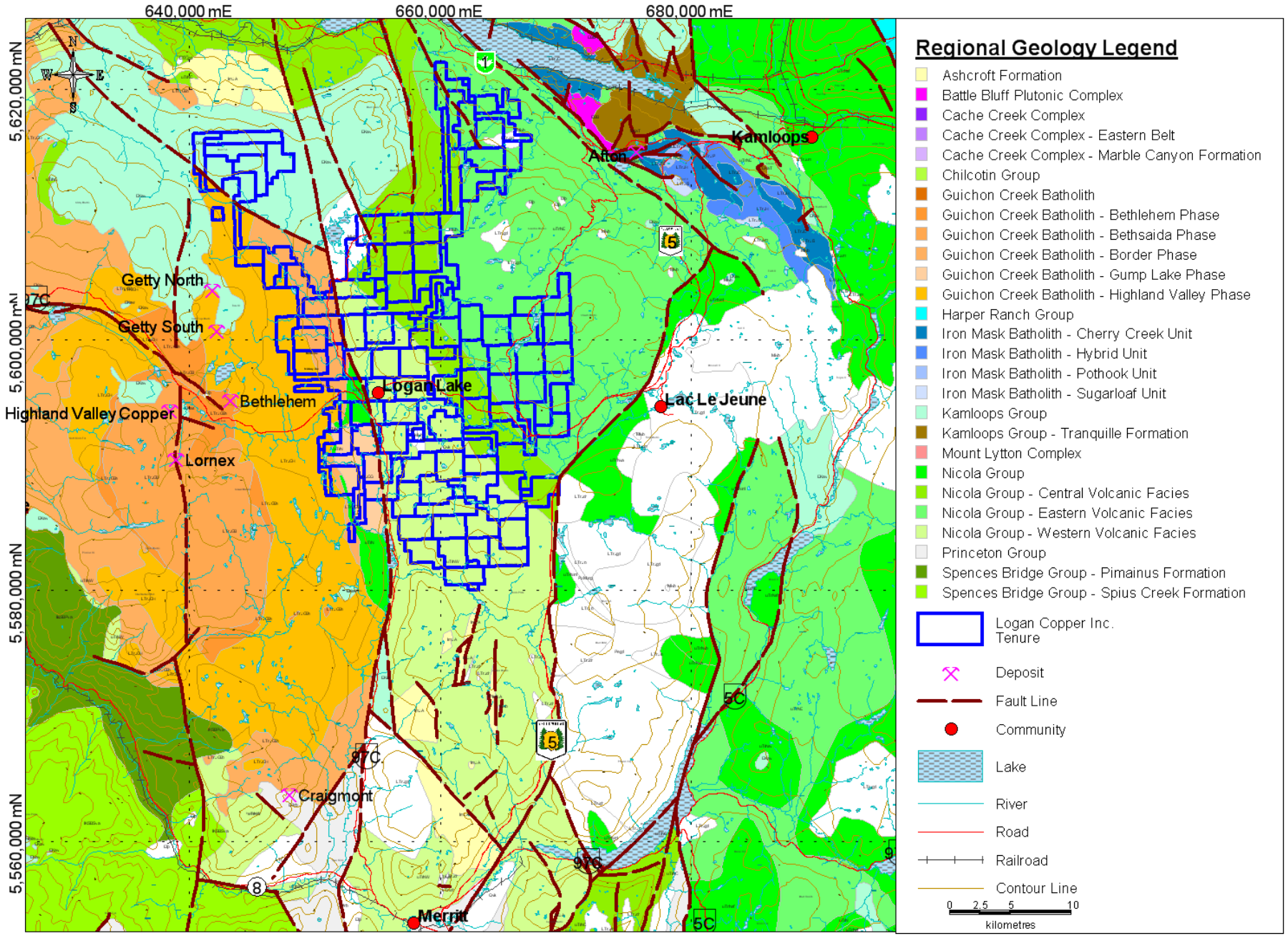

FIGURE 5: REGIONAL GEOLOGY

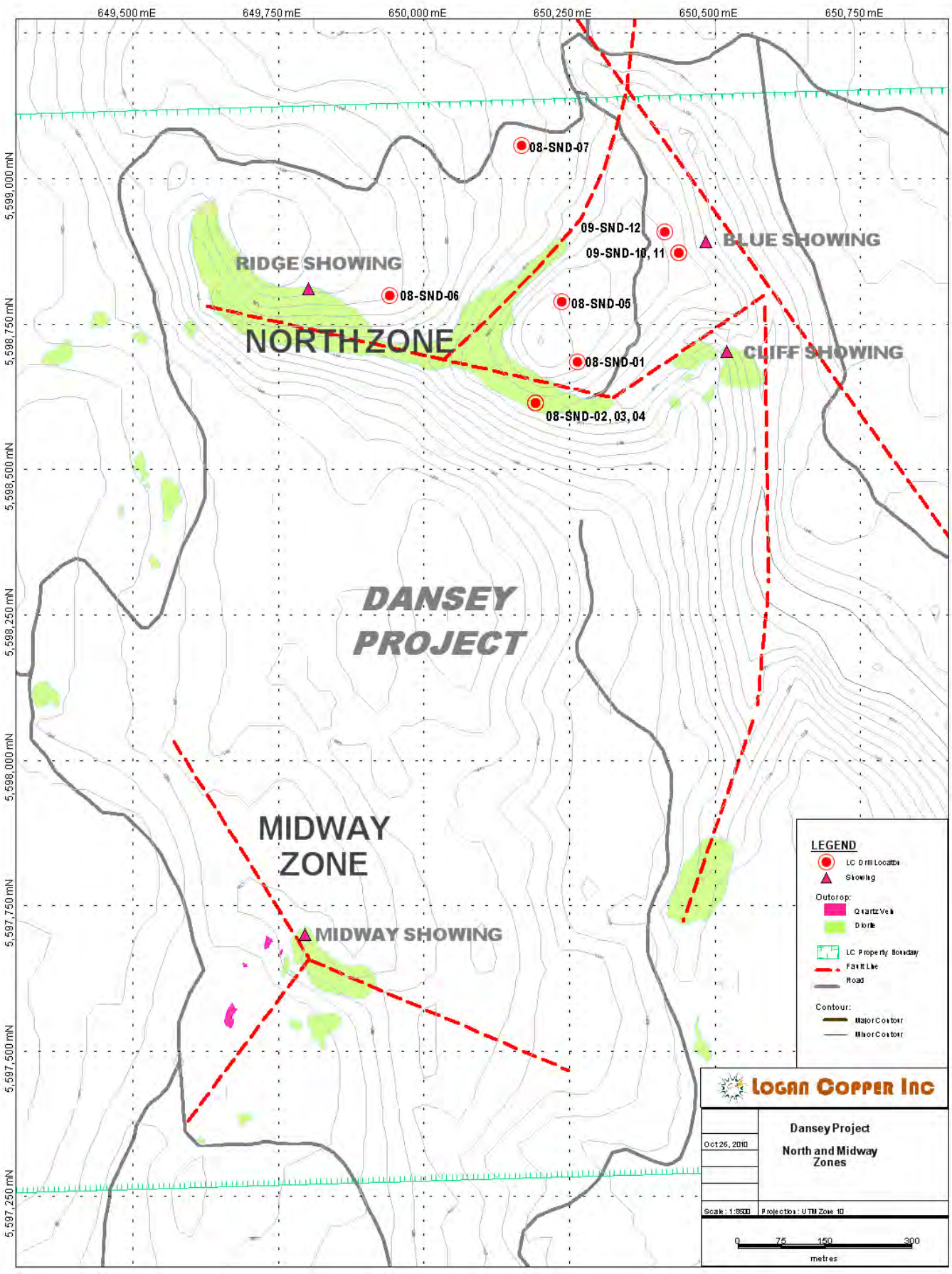

FIGURE 6: GEOLOGICAL MAPING

9. MINERALIZATION

Copper mineralization on the Dansey Project area is characterized by hydrothermal-porphyry style mineralization. The main primary minerals on the North Zone includes chalcopyrite and pyrite, with minor amounts of bornite and molybdenite. Chalcopyrite and pyrite occur mainly as veinlet, stringer, dissemination, batches, and massive structures in the chlorite-altered diorite, chlorite-epidote altered diorite, and chlorite-quartz altered diorite. Bornite is seen in limited locations on surface and in drill holes. Molybdenite is only seen at two locations: from 46.10 m to 46.20m and from 47.30m to 47.40m in drill hole 08-SND-06, drilled in 2008, as dissemination in pyrite and chalcopyrite veinlets. The main secondary mineral in this area is malachite and azurite. Malachite is widely distributed in oxide zones or in the fractures, occurring as blebs, splashes and dissemination, and usually accompanied by iron oxides. Azurite occurs as dissemination, massive structures and is distributed along the fractures and in breccias. The copper mineralization intercepted in the North Zone is distributed irregularly in space much of the significant copper mineralization intervals fall within a series of fault zones which are still open to depth with minor sulfide mineralization.

10. 2008 DRILLING AND RE-ASSAY

NQ diamond drilling on the Dansey project area commenced on September 27th, 2008. The drill program targeted MMI copper highs within the MMI Central Anomaly. All seven drill holes drilled in 2008 were located on the North Zone of the Dansey Project.

Table 3 below summarizes significant intercepts of mineralization in diamond drill holes completed in 2008. In early 2009 all seven 2008 drill holes were re-logged and re-assayed in greater detail. Significant mineralized and altered intervals were quartered and submitted for laboratory testing. All re-assay results are available in the Appendix III.

TABLE 3: 2008 DRILL PROGRAM SIGNIFICANT COPPER MINERALIZATION INTERVALS

Drill hole #		Start (m)	End (m)	Interval (m)	Copper (%)
08-SND-01		79.25	85.34	6.10	0.18
		137.16	140.21	3.05	0.19
		152.40	170.69	18.29	0.15
	including	167.64	170.69	3.05	0.38
08-SND-02		15.24	106.68	91.44	0.16
	including	15.24	85.34	70.10	0.20
	and	79.25	82.30	3.05	1.90
		172.40	176.78	4.38	0.14

Drill hole #		Start (m)	End (m)	Interval (m)	Copper (%)
		207.26	210.31	3.05	0.21
08-SND-03		23.77	32.92	9.15	0.15
	including	26.47	26.82	0.35	1.33
		51.21	57.30	6.09	0.14
	including	53.61	54.25	0.64	0.67
08-SND-04		7.62	39.01	31.39	0.15
	including	27.57	27.77	0.20	4.79
	and	36.88	37.15	0.27	3.18
	and	35.97	39.01	3.04	0.81
		60.35	72.54	12.19	0.15
	including	61.80	62.15	0.35	1.70
		81.69	87.78	6.09	0.14
		124.36	157.89	33.53	0.14
	including	127.00	128.20	1.20	0.74
08-SND-05		119.76	182.27	62.51	0.10
	including	119.76	121.41	1.65	1.10
	and	121.00	121.31	0.31	2.22
	and	154.84	155.88	1.04	0.90
		194.46	209.70	15.24	0.10
08-SND-06		42.37	109.42	67.06	0.11
	including	54.56	88.09	33.53	0.16
	including	57.61	57.83	0.22	1.12
	including	60.66	78.94	18.29	0.20
	including	72.85	75.90	3.05	0.23
08-SND-07		19.27	19.70	0.43	0.21
		35.20	36.80	1.60	0.13
		61.00	61.67	0.67	0.12

The most significant copper mineralization intercepted in 2008 includes intervals from drill hole 08-SND-02 and 08-SND-04 and constitutes the strongest mineralization intercepted on the North Zone to date. These intervals include: 91m of 0.16% Cu in drill hole 08-SND-02, and approximate 44m of 0.15% Cu and 40m of 0.14% Cu with local grades greater than 1.00% Cu in drill-hole 08-SND-04.

08-SND-07, the last hole drilled in 2008 was drilled to a depth of 67m before being terminated due to poor weather conditions at the end of the season. 2008 laboratory results on this hole returned all intervals below 1000ppm copper, with no other significant elements. In early 2009 the halved core was re-logging and re-sampling in greater detail, and resultantly returned three mineralized copper intervals. Significant pyrite, alteration and minor copper mineralization remain open at depth in this drill hole. Deeper drilling might be required in this area.

Half of the drill holes completed on the North Zone remain open at depth to copper mineralization. These holes include 08-SND-02, 08-SND-04, 08-SND-05, and 08-SND-06 completed in 2008 and drill hole 09-SND-09 and 09-SND-12 completed in 2009. Fault zones encountered in North Zone drilling, containing minor sulphides also remain open to depth.

11. EXPLORATION

In 2009 the company continued its reconnaissance prospecting and identifying several additional instances of significant copper mineralization at surface, including the Cliff showing, the Ridge showing, the Blue showing and the Midway showing.

The 2009 Dansey exploration program included the drilling of three NQ diamond drilling holes on the North Zone: 09-SND-10, 09-SND-11 and 09-SND-12, totaling 518.93 meters. Hole locations are listed below in Table 4.

TABLE 4: DANSEY PROJECT DRILL HOLE DETAILS

Hole ID	UTM Zone 10		Elevation	Azimuth	Dip	Length (m)
	Easting	Northing				
09SND10	650437	5598873	1164	74	-50	158.69
09SND11	650437	5598873	1164	74	-70	190.00
09SND12	650414	5598908	1160	74	-50	170.24

The drilling on the North Zone explored the copper mineralization in the area of the Blue Showing. These holes also served as northeastern step-outs from 08-SND-05 and 09-SND-09. Significant copper mineralization intervals in these holes are shown in Table 5. Figure 7 and Figure 8 shows the cross section of holes, 09-SND-10, 11, and 12 below.

TABLE 5: 09-SND-10, 09-SND-11 AND 09-SND-12 SIGNIFICANT COPPER MINERALIZATION INTERVALS

Drill hole #		Start (m)	End (m)	Interval (m)	Copper (%)
09-SND-10		9.12	12.16	3.04	0.17
		29.90	31.10	1.20	0.10
		43.98	45.62	1.64	0.32
		58.57	71.20	12.63	0.12
	including	83.34	98.10	14.76	0.17
		93.32	94.26	0.94	0.35
		112.50	120.35	7.85	0.37
	including	118.58	119.48	0.90	0.79
		133.13	135.30	2.17	0.27
09-SND-11		10.37	12.80	2.43	0.17
		25.97	26.49	0.52	0.25
		42.56	45.60	3.04	0.16
		77.45	96.45	19.00	0.14
	including	93.93	94.34	0.41	1.46
		128.88	129.75	0.87	0.12
		147.61	156.00	8.39	0.29
	including	152.17	152.60	0.43	1.20
		163.17	163.76	0.59	0.14
		168.23	168.98	0.75	0.11
		186.20	186.93	0.73	0.13
09-SND-12		35.10	49.64	14.54	0.17
	including	41.32	42.36	1.04	1.28
		56.65	57.30	0.65	0.16
		60.25	60.45	0.20	0.52
		62.85	63.30	0.45	0.16
		70.90	71.96	1.06	0.13
		76.00	76.90	0.90	0.17
		94.70	95.90	1.20	0.49
		113.00	115.40	2.40	0.55
	including	113.40	114.00	0.60	1.81
		122.60	123.60	1.00	0.24
		128.90	134.30	5.40	0.21
		159.60	160.30	0.70	0.11
		161.70	163.00	1.30	0.14

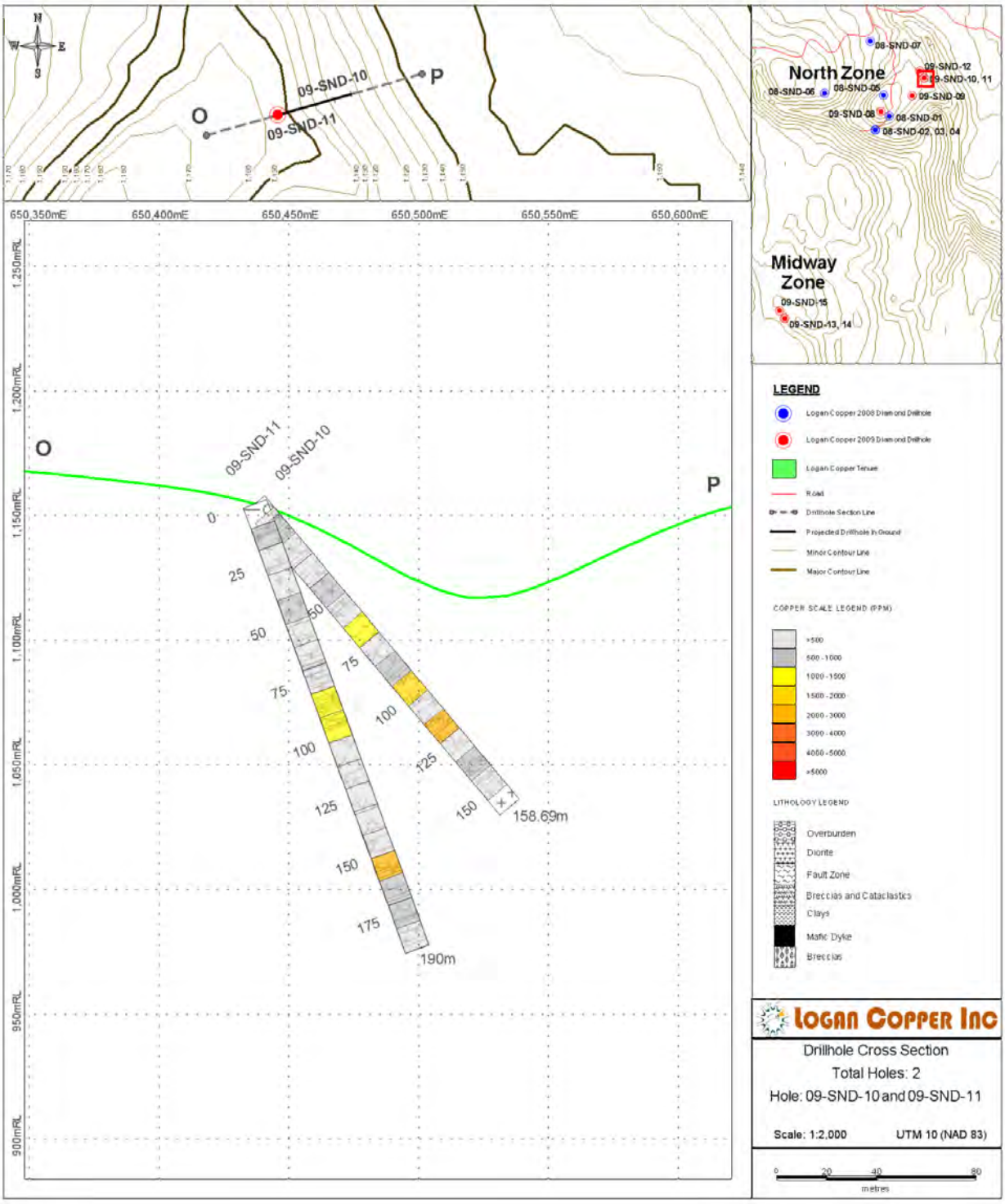

FIGURE 7: CROSS SECTION OF 09-SND-10 AND 09-SND-11

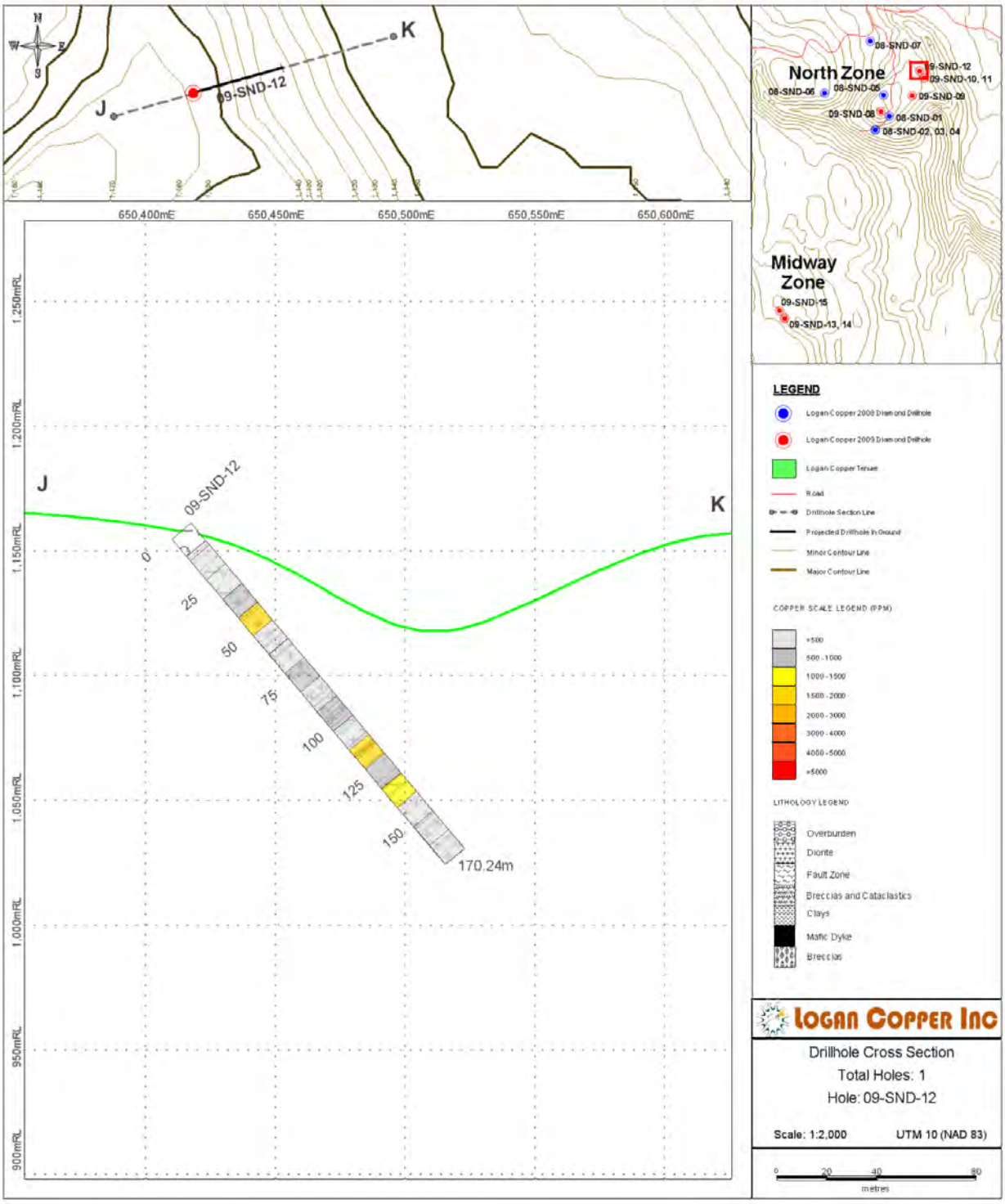

FIGURE 8: CROSS SECTION OF 09-SND-12

The drilling on the North Zone intercepted a series of fault zones. Most of the significant copper mineralization lies within these fault zones: including 7.40m to 135.30m in 09-SND-10; from 10.37m to 57.76m in 09-SND-11; and from 10.37m to 135.50m in 09-SND-12.

To date, significant copper mineralization has been encountered in all 12 drill holes completed on the North Zone. North Zone drilling covers an area of approximate 450 by 500 meters.

The average core recovery of these three drill holes is less than 90% due to the intense faulting, causing local core loss. (See Appendix I Core Recovery of Drill holes). Core samples were generally taken at one meter intervals or smaller where more specific geological information was required, or as large as 1.5 meter intervals, where there was no significant copper mineralization and the alteration was weak. Intervals with no visible mineralization or alteration and within lithological units considered not prospective were not tested.

12. SAMPLING METHOD AND APPROACH

In 2009, diamond drilling was performed by Rampart Ventures Ltd using NQ size core. The drill core was preliminarily quickly logged on site and then was brought from the drill site by truck to a rented storage and core shack in Lower Nicola, west of Merritt, B.C, where the core was logged in detail and photographed before samples were split using an electrical rock saw. Half of the core was archived in the core shack, the other half of the core and a sample tag were placed into 12X20 inch plastic bags, and prepared for transport Pioneer Laboratories Inc. for analysis.

At Pioneer Laboratories samples were lined according to numerical sequence and dried at 60 degrees Celsius. The dried samples were crushed and split with a riffle splitter. For analysis, 250 gram of the split sample was pulverized to -100 mesh (≥90%). The residual crushed sample are retained in the original bag and returned to the client.

Multi-element ICP Analysis - 0.500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with water. This leach is partial for B, Ba, Cr, Fe, Mg, Mn, Na, P, S, Sn, Ti and limited for Na, K and Al. Elements in solution are determined by ICP/ES.

Cu, Pb, Zn Analysis: 1.000 gm sample is digested with 50 ml of aqua regia, diluted to 100 ml with water. Cu, Pb and Zn contents are determined by atomic absorption spectrometer.

Au Analysis: 20 gram sample is digested with 60 ml of aqua regia, diluted to 150 ml with water. Gold in solution is concentrated with MIBK. Au content in MIBK is determined by atomic absorption spectrometer or graphite furnace AA.

Logan Copper Inc. implemented a Quality Assurance and Quality Control program for the Dansey drill program. This program consisted of inserting a series of Blanks and Reference Standards into the core sample batches submitted to the Pioneer Lab for analysis.

Blanks

Two types of diorite sourced from outcrops in the Dansey Project area were used as blank material, referenced as “Blank 2”. “Blank 2” was a light-dark grey fine-grained diorite without visible alteration. “Blank 2” had been used in most of the sample batches since the lack of copper, silver, zinc, lead and gold in this blank has been established by repeating assaying (Figure 9).

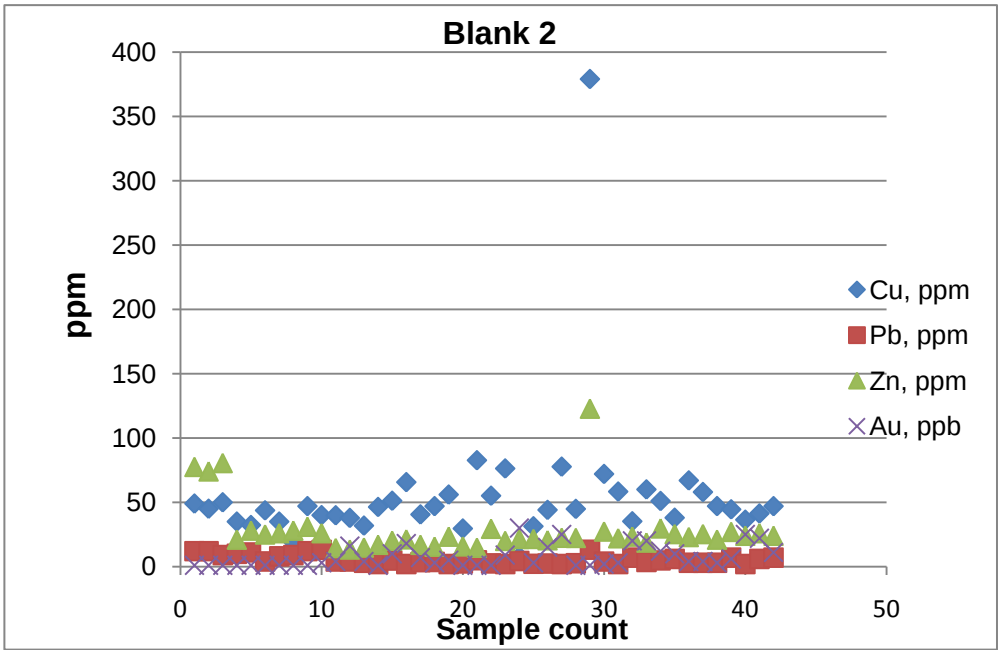

FIGURE 9: ASSAY RESULTS OF BLANK 2

A total of 35 “Blank 2” have been inserted in 09-SND-10 through 09-SND-12. 34 “Blank 2” returned values <100ppm Cu, and only one “Blank 2” had returned value of 379ppm Cu. All of the 35 “Blank 2” had returned values of less than 30ppb Au.

Reference Standards

Reference Standards used were: CDN-CGS-16 and CDN-CGS-18. The values of copper and gold are 0.112±0.005% and 0.14±0.0046g/t in CDN-CGS-16Au; 0.319 ±0.016% and 0.297±0.040g/t in CDN-CGS-18.

The standards and blanks mentioned above are inserted after every 15 samples in the sample batches. Both of the standards are inserted alternatively based on the estimated grades of the copper mineralization.

The reported value for each individual standard assay is reviewed upon receipt and the data is also analyzed graphically by the use of an X-Chart (c.f. Hoskins, 1995). Both accuracy and precision can be demonstrated on such graphs. Also known as control charts, these graphs plot repeated measurements of copper or gold values for each standard against time on the x axis.

Superimposed on the individual results of the X-Chart are two horizontal lines, one represents the average (mean) value of the measurement, and the other represents accepted normal copper content for the Standards. Four other horizontal lines, or “control levels”, representing ± 2 standard deviations (SD) from the mean (known as the upper and lower warning limits, or UWL and LWL), and ± 3 SD (the upper and lower control limits, or UCL and LCL) are also plotted.

In a normally distributed sample population ± 2 SD represents a 95% confidence interval and ± 3 SD corresponds to a 99% confidence interval. Ideally all the standard assay results will plot between the UWL and LWL scattered about the accepted value. An individual value plotting between the UWL and UCL, is considered acceptable, although two or more in a row are an unacceptable result. A single value outside the UCL or LCL is also considered unacceptable.

Figures 10 & 11 below shows example control charts for the analytical standards, CDN-CGS-16 and CDN-CGS-18 used in the Dansey drilling program, (CDN-CGS-16, accepted normal values of 1120ppm Cu and 0.14g/t Au; CDN-CGS-18, 3190pp Cu and 0.297g/t Au).

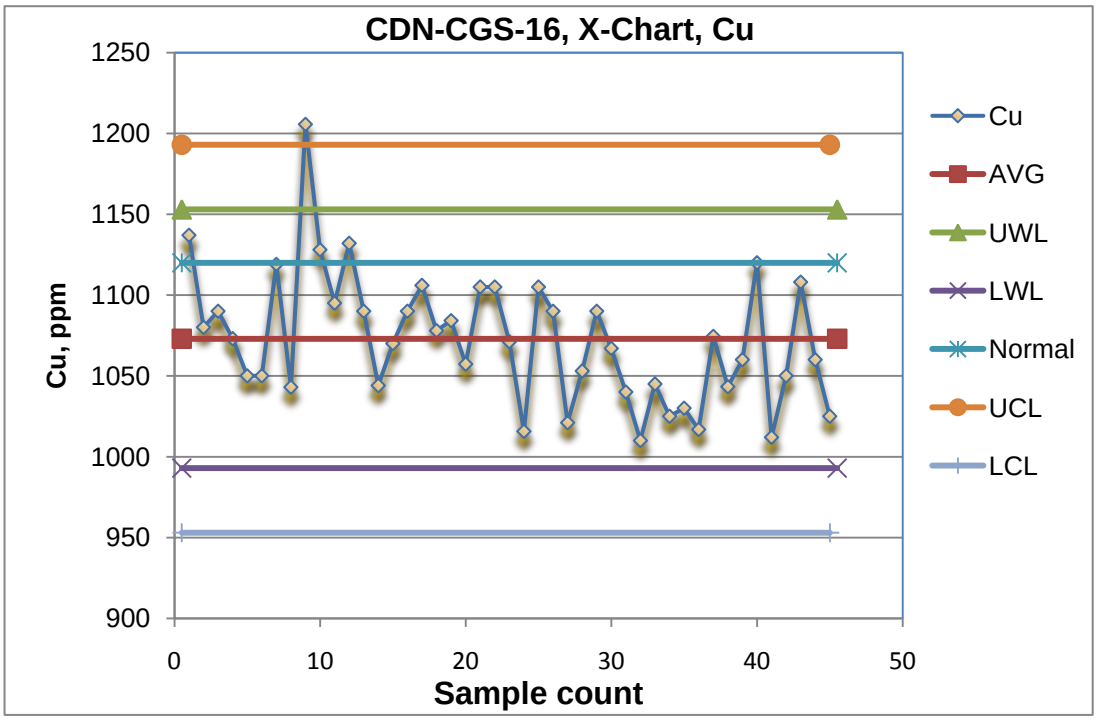

FIGURE 10: CDN-CGS-16, X-CHART, COPPER

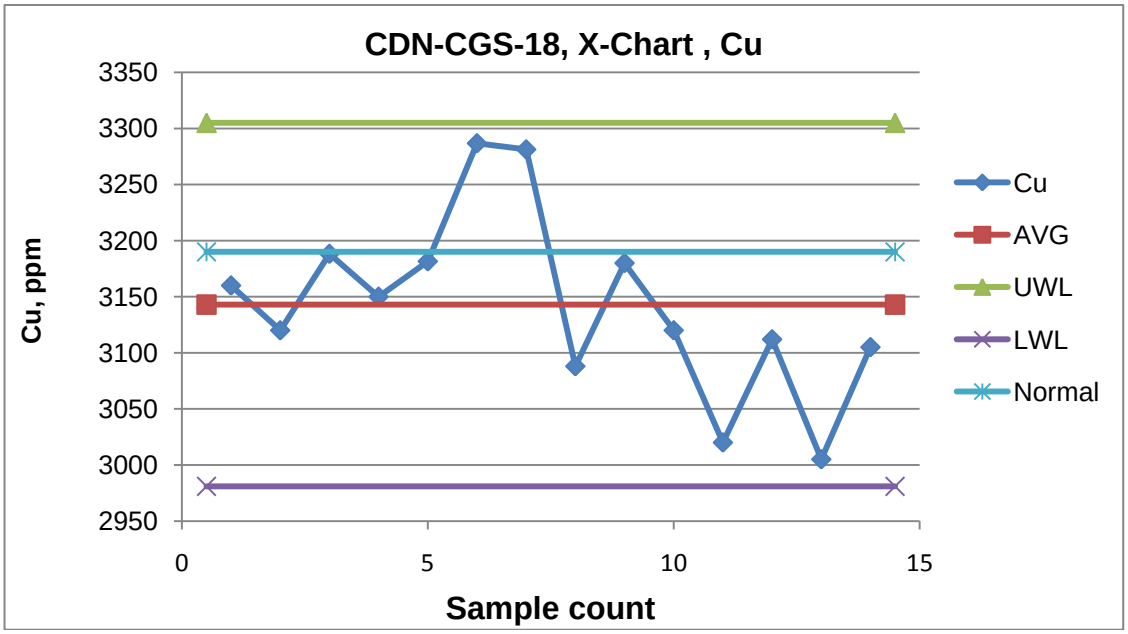

FIGURE 11: CDN-CGS-18, X-CHART, COPPER

In the analysis shown in (Figure 10), all but one copper value lie between the UWL and LWL. The graph does not show a significant bias in the analysis. One copper value is outside the UCL level. In the analysis shown in (Figure 11), the entire copper values data set lies between the UWL and LWL. The graph shows a slight high bias in the analysis of the last seven samples, but no control levels were breached.

13. INTERPRETATION AND CONCLUSIONS

Drill hole 09-SND-10, 09-SND-11 and 09-SND-12 drilled on the Dansey Project area contained significant copper mineralization. These drill holes are located on a copper-gold-molybdenum-silver geochemical MMI Anomaly discovered by the Company in 2008. Additionally the drilling is located near a regionally significant contact on the eastern edge of the Guichon Creek Batholith, a Jurassic-age intrusive hosting numerous significant mineral deposits.

In summary, we believe the Dansey Project area provides several interesting and promising targets for significant hydrothermal-porphyry copper mineralization.

13.1. RECOMMENDATIONS

The following are recommendations based on the interpretation of current exploration results on the Dansey Project area:

Significantly deeper drill holes will be of priority in the coming drilling program. Deeper drilling will test for more significant copper mineralization at depth. The potential for stronger copper mineralization at depth is supported by the presence of copper mineralization open at depth in hole 09-SND-09

Although the northcentral part (North Zone drilling) of the MMI Central Anomaly has been subjected to preliminary drilling by Logan Copper Inc., a large area of the anomaly remains covered by overburded and untested. This area overlies the contact between the Highland Valley Phase and the Border Phase of the Guichon Creek Batholith and is located at the center of the MMI Central Anomaly. This area requires extensive exploration including trenching to expose bedrock and potentially an Induced Polarization survey to define future drill targets.

14. REFERENCES

Hemsworth, Fred J. *Geochemical survey of the Eden Claims for New Indian Mines Ltd, Vananda explorations Ltd.* Highland Valley, BC. 1966 (***ARIS 711)***

Crosby, Richard O. *Aeromagnetic survey on some HJ and DAS mineral claims Tunkwa Lake area, British Columbia*. British Columbia. 1968 (***ARIS 1166***)

Cochrane, D. R. *Aeromagnetic Survey of the AB, Bill, Mike, J.B., Tom and XY Claims, west of Guichon Creek on Bose Hill*. Highland Valley, BC. 1968

Pringle, D. W. *Physical work required for present Airborne Magnetometer Survey and future Geological and Geophysical Surveys on Mineral Claims or North Pacific Mines Ltd*. Highland Valley, BC. 1968 (***ARIS 1585***)

Crowhurst, J. J. *Geochemical Survey on the R.M. and DAB Claim groups*. Highland Valley, BC. 1969 (***ARIS 1787***)

Knauer, J. D. *Geochemical Soil Survey, Mike 1 & 2 Fractions & Mike 1-10, Bill 2-11, JB 20-21 Mineral Claims.* Kamloops Mining Division, BC. 1969 (***ARIS 1934***)

Knauer, J. D. *Geochemical Soil Survey, JB 1-4, JB 7-10, Tom 3-10, IG #1 Fraction*. Kamloops Mining Division, BC. 1969 (***ARIS 1935***)

Pringle, D. W. *Geochemical Survey on X-Y Claims*. Highland Valley, BC. 1969 (***ARIS 2024***)

Knauer, J. D. *Geochemical Soil Survey, Tom 1-2, Tom 9-20, JB 2-17, JB 9-12, JB 20-23, JB 25-28 and I.G. #1 Fraction Mineral Claims*. Kamloops Mining Division, BC. 1969 (***ARIS 2066***)

Baird, Jon G. *Induced Polarization Survey on some CL Claims*. Highland Valley, BC. 1969 (***ARIS 2114***)

Fountain, David K. *Induced Polarization and Resistivity Survey on the Dansey property*. Highland Valley, BC. 1969 (***ARIS 2282***)

Pierre, W. H. Magnetometer Survey of the XY Claims, Four way corner area. Highland Valley, BC. 1970 (***ARIS 3184***)

Read, W. S. *Geophysical Report, J.T. 1 Fr., R.M. 1, 2 Fr., R.M. 1-6, R.M. 25-27 Mineral Claims*. BC. 1972 (***ARIS 3459***)

Scott, John W. *Percussion Drilling report on the XY group of Mineral Claims of Comet Industries*. Kamloops Mining Division, BC. 1973 (***ARIS 4983***)

Scott, John W. *Percussion Drilling report on the Tom group of Mineral Claims of North Pacific Mines Ltd*. Kamloops Mining Division, BC. 1973 (***ARIS 4984***)

Scott, John W. *Percussion Drilling report on the #1 BCD group of Mineral Claims of Comet Industries*. Kamloops Mining Division, BC. 1973 (***ARIS 5065***)

Ross, Lorne E. *Percussion Drilling report on WA #1 Mineral Claim*. Kamloops Mining Division, BC. 1975 (***ARIS 5851***)

Klein, J. *Geophysical Report on Induced Polarization and Resistivity Surveys on Forge Property*. Highland Valley, BC. 1982 (***ARIS 10783***)

Mark, David G. *Geochemistry report on MMI soil sampling surveys on the Dansey, Noname, and Last SNL grids within the Logan Lake area*. Kamloops mining division, BC. 2008 (***ARIS 30458***)

Dr Pan, Zhonghua. *Drill Report on the Dansey Project*. Kamloops mining division, BC, 2010 (***ARIS 31466***)

Sookochoff, Laurence and Zhonghua Pan. *Dansey Project Technical Report*. 21st July 2010. Ladner: Logan Copper Inc. 2010

Bergy, William R. *Geological Report on the Highland Valley Property*. Highland Valley, BC.2009

Ager, C.A., McMillan, W.J and Ulrych, T.J. *Gravity Magnetics and Geology of the Guichon Creek Batholith*. British Columbia Department of mines and Petroleum Resources. Bulletin 62. 1972

Peterson, Nathan T et al. "Provenance of Jurassic sedimentary rocks of south-central Quesnellia, British Columbia: Implications for Paleogeography". *Canadian Journal of Earth Science* 41 (2004): 103-125. NRC Canada.

Moore, John M. *Nicola Horst, Southern British Columbia Window into the pre- Triassic margin of North America*. Geological Survey of Canada. Vancouver, 2000

Dr Anderson, Corby G. *Getty Copper Receives a Positive Preliminary Feasibility Study from West Coast Environmental and Engineering on the Getty Project*. 22nd July 2009. Getty Copper Inc. 7th April 2010 < http://www.gettycopper.com/index.php?view=article&catid=14%3A2009&id=109%3A2009+Pre-Feasibility+Results&option=com_content&Itemid=18>

Freberg, Mark. *Teck Reviewing Further Mine Life Extension at Highland Valley Copper*. 14 May 2009. Teck Highland Valley Copper Corporation. 7th April 2010 < http://www.teck.com/Generic.aspx?PAGE=Operations+Pages%2FCopper+Pages%2FHighland+Valley+Copper&portalName=tc>

Teck Resources Limited. *2008 Annual Report*. 7th April 2010 < *http://www.teck.com/Generic.aspx?PAGE=Investors%20Pages/Annual%20Financial%20Report&portalName=tc>*

Teck Resources Limited. *Annual Information Form March 13.2009*. 7th April 2010 < http://www.teck.com/Generic.aspx?PAGE=Investors+Pages%2fPublic+Filings&portalName=tc>

15. CERTIFICATES

I, Zhonghua Pan, Ph.D in Geology of 22-6233 Birch Street, Richmond, British Columbia., hereby certify that:

1. I was a consulting geologist to Logan Copper Inc. during the period of May 2009 through May 2010.
2. I supervised and directed the exploration program on the Dansey area in 2009.
3. In 1993 I completed a Ph.D. in Geology from the Institute of Geology, Chinese Academy of Sciences, in 1985 a Master's of Science in Geology from China University of Geosciences, Beijing, and in 1982 a Bachelor's of Engineering in Geology from Changchun College of Geology (Jilin University), China.
4. I have over 10 years combined experience in mineral resource exploration in Canada and China, and have worked as Geologist for several Canadian exploration and mining companies.
5. This certificate applies to the report describing NQ diamond drilling exploration conducted on Logan Copper Inc.'s Dansey Project area in 2009.
6. I have no interest in the Property as described herein.
7. I am not aware of any material fact or material change with respect to the subject matter of this report that is not reflected in this report, the omission to disclose which makes this report misleading.

_____

Zhonghua Pan, Ph.D

_____

Date

APPENDIX I - DRILL-HOLE CORE RECOVERY

09-SND-10				
From (m)	**To (m)**	**Interval (m)**	**Core (m)**	**Recovery (%)**
0.00	6.08	6.08	0.00	casing
6.08	9.12	3.04	3.04	100.00
9.12	12.16	3.04	1.30	42.76
12.16	13.68	1.52	0.17	11.18
13.68	15.20	1.52	0.48	31.58
15.20	18.24	3.04	0.85	27.96
18.24	21.30	3.06	2.06	67.32
21.3	24.34	3.04	1.40	46.05
24.34	27.38	3.04	1.40	46.05
27.38	30.42	3.04	2.50	82.24
30.42	33.46	3.04	2.15	70.72
33.46	36.50	3.04	1.75	57.57
36.50	39.54	3.04	1.80	59.21
39.54	42.58	3.04	1.40	46.05
42.58	45.62	3.04	1.15	37.83
45.62	48.66	3.04	1.05	34.54
48.66	51.70	3.04	1.40	46.05
51.70	54.74	3.04	1.47	48.36
54.74	57.78	3.04	2.45	80.59
57.78	60.82	3.04	1.86	61.18
60.82	63.86	3.04	2.20	72.37
63.86	66.90	3.04	2.09	68.75
66.9	69.94	3.04	2.45	80.59
69.94	72.98	3.04	3.00	98.68
72.98	76.02	3.04	2.95	97.04
76.02	79.06	3.04	3.00	98.68
79.06	82.10	3.04	2.78	91.45
82.1	85.14	3.04	3.04	100.00
85.14	88.18	3.04	2.30	75.66
88.18	91.22	3.04	3.30	100.00
91.22	94.26	3.04	2.92	96.05
94.26	97.30	3.04	2.55	83.88
97.3	100.34	3.04	2.83	93.09
100.34	103.38	3.04	2.57	84.54
103.38	106.42	3.04	2.53	83.22
106.42	109.46	3.04	1.95	64.14
109.46	112.50	3.04	1.45	47.70
112.50	115.54	3.04	1.33	43.75
115.54	118.58	3.04	3.03	99.67
118.58	121.62	3.04	3.04	100.00
121.62	124.66	3.04	1.60	52.63
124.66	127.70	3.04	1.15	37.83
127.70	130.74	3.04	2.57	84.54
130.74	133.78	3.04	2.88	94.74
133.78	136.82	3.04	2.55	83.88
136.82	139.86	3.04	3.25	100.00
139.86	142.90	3.04	2.95	97.04
142.90	145.94	3.04	3.04	100.00
148.98	152.02	3.04	3.04	100.00
152.02	155.06	3.04	2.7	88.82
155.06	158.1	3.04	3.04	100
158.1	158.69	0.59	0.45	76.27
	EOH		**Averaging**	**72.40**

09-SND-11				
From (m)	**To (m)**	**Interval (m)**	**Core (m)**	**Recovery (%)**
0.00	9.12	9.12	-	Casing
9.12	12.16	3.04	1.25	41.12
12.16	15.20	3.04	2	65.79
15.20	18.24	3.04	1.05	34.54
18.24	21.28	3.04	1.15	37.83
21.28	24.32	3.04	1.86	61.18
24.32	27.36	3.04	1.4	46.05
27.36	30.40	3.04	0.98	32.24
30.40	33.44	3.04	0.6	19.74
33.44	36.48	3.04	0.9	29.61
36.48	39.52	3.04	1.8	59.21
39.52	42.56	3.04	1.58	51.97
42.56	45.60	3.04	1.55	50.99
45.60	48.64	3.04	1.65	54.28
48.64	51.68	3.04	1.73	56.91
51.68	54.72	3.04	3.15	100
54.72	57.76	3.04	1.68	55.26
57.76	60.80	3.04	2.9	95.39
60.8	63.84	3.04	2.65	87.17
63.84	66.88	3.04	2.8	92.11
66.88	69.92	3.04	2.90	95.39
69.92	72.96	3.04	2.90	95.39
72.96	76.00	3.04	2.70	88.82
76.00	79.04	3.04	2.90	95.39
79.04	82.08	3.04	3.15	100.00
82.08	85.12	3.04	2.65	87.17
85.12	88.16	3.04	1.70	55.92
88.16	91.20	3.04	2.80	92.11
91.2	94.24	3.04	3.05	100.00
94.24	97.28	3.04	2.97	97.70
97.28	100.32	3.04	3.16	100.00
100.32	103.36	3.04	3.05	100.00
103.36	106.40	3.04	3.05	100.00
106.40	109.44	3.04	3.05	100.00
109.44	112.48	3.04	3.15	100.00
112.48	115.52	3.04	3.20	100.00
115.52	118.56	3.04	3.10	100.00
118.56	121.60	3.04	3.00	98.68
121.60	124.64	3.04	3.02	99.34
124.64	127.68	3.04	3.16	100.00
127.68	130.72	3.04	2.92	96.05
130.72	133.76	3.04	3.06	100.00
133.76	136.80	3.04	3.04	100.00
136.80	139.84	3.04	3.05	100.00
139.84	142.88	3.04	3.10	100.00
142.88	145.92	3.04	2.95	97.04
145.92	148.96	3.04	3.04	100.00
148.96	152.00	3.04	2.95	97.04
152	155.04	3.04	2.62	86.18
155.04	158.08	3.04	3.30	100.00
158.08	161.12	3.04	3.14	100.00
161.12	164.16	3.04	3.02	99.34
164.16	167.20	3.04	3.10	100.00

09-SND-11				
From (m)	**To (m)**	**Interval (m)**	**Core (m)**	**Recovery (%)**
167.2	170.24	3.04	3.04	100.00
170.24	173.28	3.04	3.10	100.00
173.28	176.32	3.04	3.06	100.00
176.32	179.36	3.04	3.05	100.00
179.36	182.40	3.04	3.07	100.00
182.4	185.44	3.04	3.00	98.68
185.44	188.48	3.04	3.02	99.34
188.48	190.00	1.52	1.45	95.39
	EOH		**Averaging**	**84.106**

09-SND-12				
From (m)	**To (m)**	**Interval (m)**	**Core (m)**	**Recovery (%)**
0.00	9.12	9.12	0.00	casing
9.12	12.16	3.04	2.40	78.95
12.16	15.20	3.04	2.30	75.66
15.2	18.24	3.04	2.30	75.66
18.24	21.28	3.04	3.04	100.00
21.28	24.32	3.04	1.80	59.21
24.32	27.36	3.04	1.40	46.05
27.36	30.40	3.04	2.10	69.08
30.40	33.44	3.04	1.70	55.92
33.44	36.48	3.04	0.90	29.61
36.48	39.52	3.04	1.50	49.34
39.52	42.56	3.04	1.10	36.18
42.56	45.60	3.04	1.70	55.92
45.60	48.64	3.04	0.70	23.03
48.64	51.68	3.04	2.20	72.37
51.68	54.72	3.04	1.80	59.21
54.72	57.76	3.04	3.00	98.68
57.76	60.80	3.04	2.90	95.39
60.8	63.84	3.04	2.60	85.53
63.84	66.88	3.04	2.20	72.37
66.88	69.92	3.04	2.80	92.11
69.92	72.96	3.04	2.70	88.82
72.96	76.00	3.04	1.80	59.21
76.00	79.04	3.04	2.70	88.82
79.04	82.08	3.04	2.95	97.04
82.08	85.12	3.04	3.00	98.68
85.12	88.16	3.04	2.60	85.53
88.16	91.20	3.04	2.80	92.11
91.20	94.24	3.04	2.20	72.37
94.24	97.28	3.04	1.80	59.21
97.28	100.32	3.04	0.60	19.74
100.32	103.36	3.04	2.00	65.79
103.36	106.40	3.04	2.30	75.66
106.40	109.44	3.04	2.95	97.04
109.44	112.48	3.04	2.00	65.79
112.48	115.52	3.04	2.80	92.11
115.52	118.56	3.04	3.05	100.00
118.56	121.60	3.04	2.95	97.04
121.6	124.64	3.04	2.90	95.39
124.64	127.68	3.04	3.00	98.68
127.68	130.72	3.04	3.05	100.00
130.72	133.76	3.04	3.05	100.00

09-SND-12				
From (m)	**To (m)**	**Interval (m)**	**Core (m)**	**Recovery (%)**
133.76	136.80	3.04	2.95	97.04
136.80	139.84	3.04	3.30	100.00
139.84	142.88	3.04	2.85	93.75
142.88	145.92	3.04	2.60	85.53
145.92	148.96	3.04	3.00	98.68
148.96	152.00	3.04	3.06	100.00
152	155.04	3.04	2.85	93.75
155.04	158.08	3.04	2.85	93.75
158.08	161.12	3.04	3.05	100.00
161.12	164.16	3.04	2.50	82.24
164.16	167.20	3.04	3.00	98.68
167.2	170.24	3.04	3.05	100.00
	EOH		**Averaging**	**79.67**

APPENDIX II - DRILL-HOLE LOGGING

Logan Copper Inc	Dansey Project		
Drill Hole ID	08-SND-01		
Collar	650263m E	5598685m N	1177m Elevation
Azimuth	0 degree		
Dip	-90 degree		
Length	229.51m		
Starting date	28-Jul-09		
Ending date	30-Jul-09		
Logged by	Zhonghua (John) Pan		
Date	30-Jul-09		

Glossary of Terms
chl: chlorite
ep: epidote
cpy: chalcopyrite
py: pyrite
qz: quartz
hem: hemetite
cc: calcite
kspar: potassic feldspar
carb: carbonate
diss: disseminated
str.: stinger

08-SND-01 Re-Assay							
From (m)	To (m)	Rock Type	Structures	Mineralization Type	Minerals	Mag. Susceptibility	Description
0.00	3.05						Casing
3.05	4.30	diorite		oxide	limonite		grey medium-grained diorite with rusty surface. Core is moderately broken.
4.30	5.20	Fault zone		oxide	limonite, clay		Fault zone: fragments of grey diorite with limonite and clay alt'n.
5.20	6.10	diorite		oxide	limonite, cc		grey medium-grained diorite with rusty surface and carb. veinlets.
6.10	15.24	diorite		oxide	chl, limonite		grey,dark grey to dark green chloritic medium-grained diorite with rusty fractures and carb. Veinlets. Semi- to heavily-broken core.
15.24	17.14	diorite	splashes, diss., veinlets	minor sulfide	chl,ep, cc, malachite, cpy		grey,dark grey to dark green fine- to medium-grained diorite with chl/ep alt'n and carb. veinlets locally.Splashes of malachite and diss.cpy seen in very limited locations. (1)17.14-17.74m: with splashes of malachite and diss. Cpy; (2) 38.10-38.40m: with sparse didd cpy.
17.14	17.74						
38.10	38.40						
38.40	39.77						
39.77	40.32	diorite	veinlets, veins	oxide	chl,clay, cc, qz, hem		Dark green chloritic diorite with clay alt'n, cc+qz veinlets, and hematite veins.
40.32	40.77	Fault zone			chl,clay		Fault zone: fragments of light green diorite withand gouge
40.77	42.47	diorite	veinlets,diss., splashes	minor sulfide and carbonate, oxide	chl, qz, cc, hem, limonite, cpy, malachite		grey, dark grey and dark green fine- to medium-grained diorite with sparselmm size qz+cc veinlets. Hematite veinlets and rusty fractures also seen locally. Sparsely diss cpy and splashes of malachite seen in very limited locations.
42.47	42.92						
44.70	45.00						
45.00	46.27	diorite	veinlet	oxide	chl, cc, qz, hem		dark green chloritic diorite with clay alt'n, cc+qz veinlets, and hematite veinlets that is close to parallel to CA
46.27	46.82	Fault zone		oxide	chl, clays, limonite		fault zone:fragments of dark green diorite with rusty surface and small amounts of gouge
46.82	47.52	diorite	veinlet	minor sulfide	chl,cc, py,cpy		grey to dark grey fine- to medium-grained diorite with weak chl alt'n and cut by mm size cc veinlets locally. Veinlets of py+cpy only seen at 47.52-48.12m
47.52	48.12						
48.12	54.86						
54.86	56.52	diorite	str.	minor sulfide	chl, clays, cc, py,cpy		dark green chloritic diorite with clay alt'n and cut by cc veinlets locally. minor str. py+cpy seen occasionally

08-SND-01 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
56.52	72.28	diorite	str,diss, veinlet	minor sulfide	chl, cc,cpy, py		Grey to dark grey fine- to medium-grained diorite cut by mm size cc veinlets locally. Str./diss cpy+py sparsely occur in chloritic diorite and chl. Veinlets (@25-55 dg to CA)
72.28	72.43						
72.43	72.78						
72.78	76.20	Fault zone (?)	veinlet		chl		Fault zone (?): grey, dark grey and dark green diorite. Most of the core is heavily broken. Strong chl alt'n seen locally.
76.20	78.58	diorite	veinlet		chl, cc		grey to dark grey diorite with local chl alt'n and cc veinlets
78.58	78.73	diorite	massive, veins	sulfide	chl, kspar, py, cpy, cc		light green and light pinkish diorite with massive py+cpy and cc veins
78.73	80.00	diorite	str, massive	sulfide	chl, ep, py, cpy		grey, dark grey and light green fine- to medium-grained diorite with chl+ep alt'n locally. str/small massive py+cpy seen only seen in very limited locations. (1)79.60-79.65m: massive py+(cpy?); (2) 80.00-80.20m: str/small massive py+cpy seen in chl+ep -altered diorite.
80.00	80.20						
80.20	82.30						
82.30	82.78						
82.78	83.64	diorite	massive, str, veinlets, stockworks	sulfide	chl, ep, py, cpy, cc,qz		Significant Cu mineralization zone: grey to light green fine- to medium-grained diorite with strong chl and ep alt'n (vinlets, stockworks and massive), and local carb. +qz veinlets. Massive, str and veinleted py+cpy seen in chl+ep-altered diorite and in chl+ep+cc+qz veinlets (55-60 or perpenticular to CA). sulfide ~2%. (1) 82.78-83.64m: denser cpy+py; (2) 83.64-84.12m: less cpy+py.
83.64	84.12						
84.12	85.34	diorite	veinlet		chl		grey to dark grey fine- to medium-grained diorite with local dark green diorite.
85.34	100.20						
100.20	101.19	diorite	massive, veinlet	minor sulfide	chl,ep, carb, qz, cpy, py		light green chl+ep altered fine- to medium-grained diorite with silicification and carbonate alt'n. cpy (and py) seen only in one location as a small massive piece: 101.19-101.70m
101.19	101.70						
101.70	105.10	diorite	veinlet		chl, carb.		grey to dark grey fine- to medium-grained diorite with weak chl alt'n and local carb veinlets.
105.10	105.28	diorite	veinlets, stockworks	minor sulfide	chl, cc, ep, cpy		light grey and light green chl and carb altered diorite with local ep alt'n. Carb. (cc) occurs as veinlets (1mm-1.5cm size) and stockworks. Minor cpy only seen at 105.10-105.28m.
105.28	106.14						
106.14	136.20	diorite	str, diss, veinlet	minor sulfide	chl, cc, ep, hem		grey to dark grey fine- to medium-grained diorite with light to dark green diorite locally, cut bu mm sized cc veinlets. Str/diss py+cpy occasionally seen . Chl+ep alt'n and hematite veinlets als seen locally.
136.20	137.16	Fault zone			chl		Fault zone: heavily broken core of dark green diorite
137.16	138.00						
138.00	138.40	mafic dyke + diorite mixture	str, massive, veinlet, stockwork, brecciated	minor sulfide	chl, cc, ep, py, cpy		mixture of dark to dark green mafic dykes (strongly chl alt'n) with chl altered diorite. Ep alt'n also seen locally. Breccia seen at 139.20-140.21m, formed by cc stockworks cutting. Str and small massive cpy+py seen at 138.40-138.75m. (1) 138.00-138.40m: mafic dykes+diorite mixture; (2) 138.40-138.75m: dyke+diorite mixture, massive/str py+cpy; (3)138.75-139.20m: mafic dyke with clay alt'n; (4) 139.20-140.21m: dyke+diorite mixture, with strong carb. alt'n (veinlets/stockworks); and (5) 140.21-141.50m: dyke+diorite mixture
138.40	138.75						
138.75	139.20						
139.20	140.21						
140.21	141.50						
141.50	142.46	Fault zone			chl, carb, clay		Fault zone: fragments of mixture of dark-black mafic dykes with dark green chl altered diorite; local carb veinlets and gouge. (1) 141.50-142.76m: mixture; (2) 142.46-142.76m: mafic dyke with a little of dark green and light reddish gouge.
142.46	142.76						
142.76	145.45	diorite	str, diss, veinlet, massive	minor sulfide	chl, kspar, ep, hem, qz, py, cpy		grey, light green and light pinkish chloritic and potassic medium-grained diorite. 1-5mm sized chl+ep veinelts form series of pararellel veinlets @50-70 dg to CA or perpenticular to CA. Hem veinlets and qz veinlets seen
145.45	146.30						
146.30	146.85						

08-SND-01 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
							locally. Massive/str/diss cpy+py only seen in very limited locations.
146.85	152.40	diorite	str, veinlet, diss	minor sulfide	chl, ep, py, cpy		grey to dark grey medium-grained diorite with chl+ep alt'n locally. Str/veinlet/diss py+cpy only seen in limited locations associted with chl+ep alt'n. (1) 152.40-152.90m: ssparsely str/veinlet/diss py+cpy
152.40	152.90						
152.90	158.00						
158.00	158.50	diorite	str, veinlet, diss, massive	minor sulfide	chl, kspar, ep, qz, py, cpy		grey, light green and light pinkish chl+ep altered and potassic medium-grained diorite. Veinlet/str cpy+py seen in chl+ep veinlets or chl+ep altered diorite, sparsely diss py and cpy seen in diorite. (1) 158.00-158.50m: with diss/str/veinlet py+cpy and massive qz locally; (2) 158.50-160.44m: str/veinlet/diss cpy+py; (3) 160.44-161.54m: small massive/str/veinlet/diss cpy+py; (4)161.54-162.96m: str/veinlet/diss cpy+py; (5)162.96-164.49m: sparsely str/veinlet/diss cpy+py; (6) 164.49-165.05m: with small massive cpy+py; (7) 165.05-167.35m: no significant cpy; (8)167.35-167.64m: chl- and kspar- altered diorite.
158.50	160.44						
160.44	161.54						
161.54	162.96						
162.96	164.49						
164.49	165.05						
165.05	167.35						
167.35	167.64						
167.64	168.40	diorite	massive, str	sulfide	chl, ep, cpy, py		chl and ep-rich mineralized zone in diorite: massive and str. cpy with bornite and azurite locally.
168.40	169.54	diorite	str	minor sulfide	chl, ep, cpy, py		chl and ep-altered diorite with str. cpy in very limited locations.
169.54	170.14	diorite	str. Veinlet	minor sulfide	chl, py, cpy		grey to dark grey medium-grained diorite with chl alt'n and sparsely str/veinlet py+cpy locally. The veinlets are near parallel to CA.
170.14	170.87						
171.94	172.26						
182.88	183.60						
196.20	196.42						
197.72	198.12						
202.29	202.57						
209.21	209.71						
210.31	210.71						
222.15	222.62						
222.62	223.85	diorite	veinlet		kspar, chl, hem		grey to light pinkish potassic medium-grained diorite with local light green chloritic diorite and hematite veinlets.
223.85	225.35						
225.35	225.75	Fault zone					Fault zone: fragments of grey diorite with some dark to black pieces.
225.75	226.35						grey medium-grained diorite
226.35	229.51	Fault zone					Fault zone: fragments of grey medium-grained diorite. The core from the interval of 228.60-229.51m is less than 40cm.
229.51	EOH						

08-SND-02

Logan Copper Inc	Dansey Project		
Drill Hole ID	08-SND-02		
Collar	0650192m E	5598615m N	1143m Elevation
Azimuth	0 degree		
Dip	-90 degree		
Length	249.94m		
Starting date	28-Jul-09		
Ending date	30-Jul-09		
Logged by	Zhonghua (John) Pan		
Date	30-Jul-09		

Glossary of Terms
chl: chlorite
ep: epidote
cpy: chalcopyrite
py: pyrite
qz: quartz
hem: hemetite
cc: calcite
kspar: potassic feldspar
carb: carbonate
diss: disseminated
str.: stinger

08-SND-02 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
0.00	7.92	overburden					Casing
7.92	13.74	diorite	veinlets		chlorite (chl), epidote (ep)		Grey to dark grey weakly chlorite- and epidote-altered diorite.
13.74	14.24	diorite	veinlets, stockworks, stringer, disseminated, patch	sulfide,oxide	ep, chl, hem, py, cpy, qz		Significant Cu mineralized zone: epidote- and chlorite-altered diorite with weak to moderate hematite (hem) alteration. Ep occurs usually as irregular veinlets and stockworks and accompanied by qz veinlets locally, @50 dg to perpendicular to CA. pyrite (py) and chalcopyrite (cpy) as veinlets, stringers, disseminated and patches. Sulfide 1%.
14.24	15.24						
15.24	17.20						
17.20	21.34	diorite	veinlets, stringer	sulfide	chl,kspar, py, cpy,		Dark grey and light pinkish diorite with weak chloritic and potassic alteration. Minor veinleted and stringered py and cpy mainly occur in chl veinlets at various intervals.
21.34	22.34						
22.34	24.30	diorite	veinlets, stringer, patches	sulfide	chl, ep, py, cpy, qz		Grey to dark grey chlorite- and epidote-altered diorite with weak silicification. Minor py and cpy stringers, veinlets and patches mainly in chl and ep veinlets or intensive chl and ep altered diorite. At 30.25-30.48m, a 3-5mm sized veinlet of chl+ep+py+cpy @20 dg to CA. qz content increases toward the end of this unit.
24.30	25.30						
26.63	26.83						
30.26	31.13						
31.13	32.23						
32.23	32.26						
32.26	32.83	diorite/granodiorite	veinlets, stringer	sulfide	qz, chl, py, cpy		White grey,fine- to coarse- grained silicificated diorite/granodiorite. The contact with the upper unit is graduate transit. Chl +py veinlets cut both the coarse phase and fine phase of diorite. Small amounts
32.83	33.53						

08-SND-02 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
33.53	34.28						of stringers and veinlets of py+cpy mainly in chl veinlets (parallel to CA), minor dss. py in diorite.
34.28	34.98						
34.98	36.08						
36.08	37.05						
37.05	37.95	diorite	veinlets, stringer, diss.,	sulfide, oxide	chl, ep,py, cpy, hem		Weak chl- and ep-altered diorite alternates with moderate to intensive chl- and ep- altered diorite. Veinleted, stringered and diss. py and cpy mianly in ep+chl veinlets with various angles to CA. Hem alteration seen locally.
37.95	39.00						
40.20	40.70						
40.70	44.40						
44.40	46.30	Fault zone			chl, ep, clays		Fault zone:broken core of intensively chl-and ep-altered diorite and gouge.
46.30	50.62	diorite	veinlets, stringer, diss.	sulfide	chl, ep, cc, qz, py, cpy		Weak chl- and ep-altered diorite alternates with moderate to intensive chl- and ep- altered diorite. Minor py and cpy mianly in ep+chl veinlets or intensively altered diorite at different intervals as stringers and diss. intensive cc+qz alteration seen at 49.70-50.20m.
50.62	51.20						
51.20	52.40						
52.40	52.90						
52.90	53.10						
53.10	59.30	diorite	stringer, massive, diss.	sulfide	chl, ep, py, cpy		Dark grey chl- and ep-altered diorite. Parts of the core are broken. Significant stringered, massive and diss py and cpy in the altered diorite.
53.90	54.86						
54.86	56.02						
56.02	57.18						
57.18	58.21						
58.21	59.30						
59.30	71.10	diorite	veinlets, stringer, massive	sulfide, oxide	chl, ep, qz, py, cpy, hem, sphalerite (?)		Weakly to moderately chl- and ep-altered diorite with minor py and cpy. Qz and hem seen locally: (1) at 61.80-63.90m, cut by a set of paralleled qz veinlets (1mm to 1.5cm wide, @65 dg to CA); (2)at 63.50m, sphalerite (?) in a qz veinlet; (3) at 62.56-62.76m, small pieces of massive cpy in silicified diorite; and (4) 67.76-67.96m, stringered py and cpy in chl+ep veinlets @40-50 dg to CA.
71.10	82.30	diorite	stringer, massive, diss., veinlet	sulfide	chl, ep, py, cpy, qz, cc		Intensively chl- and ep-altered diorite with significant stringered, massive, diss. and veinleted py and cpy. Minerlization mainly in chl and ep veinlets and stockworks. Silicification and calcitization seen locally. At 79.70-80.30m, massive py and cpy, a 2mm wide veinlet of py+cpy @5-20 dg to CA. py+cpy 2-3%. At 80.30-82.80m, broken and semi-broken core of intensive chl- and ep-altered diorite with py and cpy.
82.30	82.80						
82.80	92.50	Fault zone		oxide	qz,hem,chl		Fault zone: small and sub-rounded fragments of grey to white grey silicified and hematitized diorite. Low recovery (only 1.80m core).

08-SND-02 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
							Previous assays of the samples from this unit show low Cu grades(211ppm-740ppm).
92.50	97.40	diorite	veinlets		chl, kspar		Light green and pinkish chloritic and potassic diorite
97.40	98.00	Fault zone	veinlets		chl, kspar		Fault zone: broken core of light green-dark grey and pinkish diorite
98.00	100.90	diorite	massive, veinlets		qz, chl		light grey silicified diorite
100.90	102.40	Fault zone	veinlets		qz, ep, chl		Fault zone: broken core of light grey silicified and epidotized diorite
102.40	107.68	diorite	veinlets		qz, chl		light grey silicified and chloritic diorite
107.68	109.73	Fault zone			chl		Fault zone: broken core of chloritic diorite
109.73	115.82	diorite	veinlet, stirnger	sulfide	qz, chl, ep, py, cpy		light grey silicified diorite. At 115.65-115.75m, a 3mm wide chl+ep veinlet with cpy and py, @40 dg to CA
115.82	119.30	Fault zone	veinlets		chl, ep		Fault zone: broken and semi-broken core of light grey to grey chl-and ep-altered diorite
119.30	128.00	diorite	veinlet		chl, kspar		light grey to grey chloritic diorite alternates with pinkish potassic diorite
128.00	132.55	Fault zone	veinlet	oxide	chl, kspar, hem		Fault zone: broken core of grey and pinkisk diorite with minor gouge and hematite alteration locally
132.55	139.30	diorite	veinlet		chl, kspar		light grey to grey chloritic diorite alternates with pinkish potassic diorite
139.30	140.70	Fault zone	veinlet		chl, ep		Fault zone: broken core of light green and grey chl-and ep-altered diorite
140.70	142.40	diorite			kspar, chl		light pinkish potassic diorite
142.40	152.40	Fault zone			kspar, chl, hem		Fault zone: broken core of light pinkish and light green diorite with light green and reddish gouge
152.40	164.50	diorite	veinlet, stirnger, diss.	suldife	chl, ep, kspar, cpy, py		Dark to light pinkish and light grey diorite with minor cpy+py as veinlets (mm size, usually @50-70 dg to CA), stringer and sparsely diss.at 164.19-164.29m, a 5mm sized cpy+py veinlet @20 dg to CA.
164.50	168.70	Fault zone		oxide	chl,ep, kspar,hem		Fault zone: broken core of light pinkish and light green diorite with hematite alteration locally. (Previous assays show low Cu grades)
168.70	172.40	diorite	veinlet, stockworks, stringers, massive,	oxide, sulfide	chl, ep. Kspar,hem, cpy,py		White grey silicified diorite, light pinkish potassic diorite and light green chl- and ep- altered diorite with hematite locally. At 172.40-176.80m, stringers and small pieces of massive cpy with bornite locally. At 180.95-181.15m, veinlets and stringers of 1-2mm sized chalcocite (?).
172.40	172.94						
172.94	173.74						
180.95	181.15						
181.15	187.32						
187.32	193.03	diorite	veinlets, stockworks, diss.	oxide	kspar, hem, chl, ep		pinkish potassic diorite with hem, chl and ep alteration
193.03	204.40	diorite	veinlets, stockworks, diss.	oxide	chl, ep, hem, kspar		light grey to light green chl-and ep-altered diorite with diss. and veinleted hematite and minor potassic alteration.
204.40	205.80	diorite	veinlets, diss. Stockworks	oxde	kspar, hem, chl, ep		pinkish potassic diorite with hem, chl and ep alteration. Broken core.

08-SND-02 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
205.80	206.40	Fault zone		oxide	hem, chl, ep		Fault zone: small fragments of dark reddish and dark green diorite.
206.40	207.26						
207.26	208.60	diorite	veilets, stringer, massive	oxide, sulfide	hem, chl, ep, cpy		light grey and light reddish diorite with stringered and massive cpy
208.60	209.40	fine-grained porphyry	massive		feldspar		dark-black fine-grained porphyry: dark black fine-grained mtx with feldspar phenocryst.-Nicolas volcanic?
211.36	211.66						
211.66	222.00	diorite	veinlet, diss.	oxide	kspar, chl, ep, hem		light grey-light pinkish diorite with chl, ep and dii. hem alteration
222.00	222.50	Fault zone		oxide	chl, hem		Fault zone: broken core of dark green and dull reddish diorite
222.50	223.10						
223.10	226.70						
226.70	235.70	diorite	veinlet		chl, kspar		Grey, light green to liht pinkish diorite. Most of feldspars were replaced by chl
235.70	242.84	diorite			chl, kspar		broken core of light green and light pinkish diorite
242.84	249.94	diorite	veinlet, stringer, diss.	sulfide	chl, kspar, ep, cpy		light green and light pinkish diorite. At 243.85-244.00m, minor stingered and diss. cpy
294.94	EOH						

08-SND-03

Logan Copper Inc		Dansey Project	
Drill Hole ID	08-SND-03		
Collar	0650192m E	5598615m N	1143m Elevation
Azimuth	180 degree		
Dip	-45 degree		
Length	125.58m		
Starting date	28-Jul-09		
Ending date	30-Jul-09		
Logged by	Zhonghua (John) Pan		
Date	30-Jul-09		

Glossary of Terms
chl: chlorite
ep: epidote
cpy: chalcopyrite
py: pyrite
qz: quartz
hem: hemetite
cc: calcite
kspar: potassic feldspar
carb: carbonate
diss: disseminated
str.: stinger

08-SND-03 Re-Assay							
From (m)	To (m)	Rock Type	Structures	Mineralization Type	Minerals	Mag. Susceptibility	Description
0.00	6.10						Casing
6.10	7.50	diorite	veinlet, str.	sulfide	chl,ep, py,cpy		Dark grey medium-grained diorite with local ep+chl veinlets and str. py +cpy. (1)7.50-7.85m: str. Py+cpy in ep+chl veinlets; (2) 14.35-14.73m: py+cpy in chl veinlets @45 dg to CA; (3) 15.10-16.00m: 1mm sized py+cpy veinlets and str. sparsely occuring at various angles from 40 to 70 dg to CA.
7.50	7.85						
7.85	14.53						
14.53	14.73						
14.73	15.10						
15.10	16.00						
16.00	16.75	diorite	veinlet, str., massive	sulfide	chl, py,cpy		Grey diorite with denser chl veinlets and str/veinlet and small pieces of massive py+cpy
16.75	22.10	diorite	veinlet, str.	sulfide	chl, py,cpy		grey to dark grey diorite with sparse veinlets and str. chl+py+cpy, 1-2mm sized
22.10	22.50	diorite	veinlet, str., stockwork	sulfide	chl, py,cpy		grey diorite with denser veinlets/stockwork and str. chl+py+cpy, 1-2mm sized.
22.50	23.17	diorite	veinlet, str., stockwork	sulfide	chl,ep, py,cpy		grey to dark grey diorite with sparse veinlets/stockwork and str. Chl+ep+py+cpy. The veinlets @40-70 dg toCA. 23.77-26.47m: sparse veinlets/stockwork and str. chl+ep+py+cpyno re-sampling. See previuos assays.
23.17	23.77						
23.77	26.47						
26.47	26.82	diorite	str., massive,veinlet,	sulfide	chl,ep, py,cpy		str. and massive py+cpy with veinlets/stockwork of py+cpy in chl+ep veinlets/stockwork.

08-SND-03 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
			stockwork				
26.82	29.87	diorite	veinlet, str., stockwork, massive	sulfide	chl, ep, py,cpy		Dark grey diorite with veinlets and str/stockwork of py +cpy+chl+ep. 29.87-30.47m:str/massive py+cpy
29.87	30.47						
30.47	31.92	diorite	veinlet, str., stockwork	sulfide	chl,ep, py,cpy		dark grey medium-grained diorite with sparsely veinlets and str. py +cpy in veinlets/stockwork of chl+ep. 31.92-32.92m: sparsely veinlets and str. py +cpy.
31.92	32.92						
32.92	33.32	diorite	str., massive,veinlet	sulfide	chl,ep, cc, qz, py,cpy		chl-and ep-altered diorite with carb. Flooded on the fractures. Carb. +qz veinlets see locally. 33.32-33.66m: with str/massive py+cpy. Chl+ep veinlets @40 dg toCA.
33.32	33.66						
33.66	37.05						
37.05	38.05	diorite	str., veinlet	sulfide	chl, qz,py,cpy		dark grey to light green diorite with saprse veinlets/str.of py+cpy and qz veinlets. 37.05-38.05m: sparse str./veinlet py+cpy; 38.05-38.78m: very sparse str./veinlet py+cpy.
38.05	38.78						
38.78	39.61	diorite	str/veinlets	sulfide	qz,py,cpy		dark grey medium-grained diorite with py+cpy veinlets/str. In qz veins
39.61	40.28	diorite	str/veinlets	sulfide	chl,ep, py,cpy		dark grey chl-and ep- altered medium-grained diorite with sparse py+cpy veinlets/str.
40.28	41.28						
41.28	42.06						
42.06	43.01						
43.01	43.90						
43.90	44.91						
44.91	45.81						
45.81	46.74	diorite	str/veinlets	sulfide	kspar,chl,ep, py,cpy		light pinkish potassic diorite with sparse py+cpy str/veinlets. The contact with the upper unit is clear: kspar occurs. 45.81-47.46m: chl+ep veinlets, @20 dg to CA
46.74	47.46						
47.46	48.16						
48.16	49.63						
49.63	50.86						
50.86	51.21						
51.21	52.50	diorite	str/veinlets, stockwork	sulfide	chl,ep, py,cpy		grey to dark grey medium-grained diorite with chl and ep alt'n (veinlet and stockwork) and str/veinlet py+cpy. 51.21-52.50m: sparse str/veinlet py+cpy, 30-45 dg to CA; 52.50-53.61m: with occasional py+cpy; 53.61-54.25m: with str/veinlet and massive py+cpy; 54.25-55.45m: sparse str/veinlet py+cpy; 55.45-56.55m: with occasional py+cpy
52.50	53.61						
53.61	54.25						
54.25	55.45						

08-SND-03 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
55.45	56.55						
56.55	57.30	Fault zone			chl		fault zone: fragments of dark green diorite.
57.30	57.90						
57.90	63.40	diorite	veinlet		chl, kspar,qz		grey-light green and dull pinkish chloritic and potassic fine-grained diorite with silicification. Core is semi-broken
63.40	68.89	Fault zone	str/veinlet, massive	sulfide	kspar,qz, chl,ep, py,cpy		Fault zone: heavily broken core of dull pinkish silicified fine-grained diorite with light green diorite locally. Str/veinlet and small massive pieces of py+py seen mainly in chl+ep altered diorite.
68.89	69.49						
69.49	75.59						
75.59	80.29	diorite	veinlet		qz,chl		grey silicified medium-grained diorite with weak chl alt'n. core is occasionally broken.
80.29	89.50	diorite	spots, veinlet	minor sulfide and oxide	kspar, qz, chl, clay, hem		pinkish potassic and silicified fine-grained diorite with light green diorite and clay atl'n locally. Spots of py+cpy seen locally. 89.50-90.83m: spots of py+cpy; 93.88-94.85m: with hemtite.
89.50	90.83						
90.83	93.88						
93.88	94.85						
94.85	96.93						
96.93	111.32	diorite	veinlet		kspar, chl, clay, hem		light pinkish, grey to light green diorite. The contact with the upper unit is graduational. Hem and clay alt'n seen locally.
111.32	114.21	diorite	veinlet		kspar, chl		heavily broken core of light pinkish diorite with local light green diorite.
114.21	115.21						
115.21	118.26						
118.26	119.26	diorite	veinlet		chl, kspar, qz		semi-broken to heavily broken core of light green diorite with tinge of pinkish. Silicification seen locally: 118.26-119.26m.
119.26	122.31						
122.31	123.28	Fault zone	cataclastic		chl. Kspar		Fault zone: heavily broken core and light green and light pinkish cataclastic diorite. 123.28-124.36m: light green cataclastic diorite.
123.28	124.36						
124.36	125.58						
125.58	EOH						

08-SND-04

Logan Copper Inc		Dansey Project	
Drill Hole ID	08-SND-04		
Collar	0650192m E	5598615m N	1143m Elevation
Azimuth	125 degree		
Dip	-45 degree		
Length	174.65m		
Starting date	28-Jul-09		
Ending date	30-Jul-09		
Logged by	Zhonghua (John) Pan		
Date	30-Jul-09		

Glossary of Terms
chl: chlorite
ep: epidote
cpy: chalcopyrite
py: pyrite
qz: quartz
hem: hemetite
cc: calcite
kspar: potassic feldspar
carb: carbonate
diss: disseminated
str.: stinger

08-SND-04 Re-Assay							
From (m)	To (m)	Rock Type	Structures	Mineralization Type	Minerals	Mag. Susceptibility	Description
0.00	7.00						Casing (?)
7.00	8.00	diorite	veinlet, sparsely disseminated. (diss.)	sulfide	chlorite (chl),py		mediun-grained diorite with weak chloritization.Pyrite (py) only seen ocasionally. The diorite in this area is generally magnetic.
8.00	8.20	dorite	stringer, diss., veinlet	sulfide	py, chl, , cpy		Mediun-grained diorite with weak chloritization and stringers, disseminated and veinlets of py and minor cpy. At 8.10m, 3-5mm py+chlorite veinlet with spots of chalcopyrote. The veinlet @50 dg to CA. Sulfide <1%.
8.20	10.90	dorite	diss., vein		quartz, epo, fluorite?,		Mediun-grained diorite with weak chloritization.Pyrite only seen ocasionally. .At 10.30m, quartz(with fluorite?) vein (3cm) and epidote veinlent (1mm) @ 85 degrees to CA
10.90	11.15	dotite	stringer, diss., veinlet, patches	sulfide	py, ep, malachite, cpy?, hem (cuprite?),		Mediun-grained diorite with weak chloritization and stringers, disseminated and veinlets of py and minor cpy. At 19.95m, epidote veinlet (5mm-1cm, with stringered and diseeminated py and patches of malachite) @ 45 dg to CA.
11.15	12.10	diorite	veinlet		chl		Mediun-grained diorite with weak chloritization.
12.10	13.00	diorite	splashes, diss., stringer	sulfide, oxide	malachite, limonite/hem, py		grey -brown-dark reddish limonitized/hematitized dorite. From 12.60 t0 12.70m, splashes of malachite. Stringered and disseminated py seen locally.
13.00	13.95	diorite	diss., stringer	sulfide	py, cpy, arsenopy?		Mediun-grained diorite with weak chloritization. . From 13.00 to 13.95m, stringers and disseminated py and cpy, arsenopyrite)?), sulfide <1%
13.95	15.10						
15.10	16.40	diorite	veinlet, stockworks, sparsely diss.		Calcite (cc), chl, quartz (qz), hematite (hem), (cuprite?)		grey-brown calcitized and chloritized dorite with veinlets and stockwoorks of calcite and small amounts of quartz. The angles of the veinlets vary from perpendicular to parallel to CA. Hematite (cuprite?) veinlets cut by cc & qz veinlets. W/ sparsely diss. py.

08-SND-04 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
16.40	17.68	diorite	vein, diss., stringer	sulfide, oxide	py, chl, quartz, ep, hem (cuprite?),cpy		Grey light green diorite with chlorization and cut by quartz and epidote veins. From 16.45 to 17.00m: quartz veins(1.5cm) cut cuprite(?) vein(1mm-5mm). Py and minor cpy disseminated and stringered in chloritized diorite, or occur in the epidote veinlet as stringers. Qtz vein @30 degrees to CA and cuprite vein @45 degrees to CA in the opposite way to qtz vein. sulfide<1%, oxide<1%
17.68	18.30	diorite	diss., stringer	sulfide	chl, ep, py, cpy		grey-light greenish diorite with alteration of chlorite and epidote. Stringered and disseminated py and minor cpy seen only locally. Veinlets of chlorite and epidote seen locally.
18.30	19.00						
19.00	19.70						
19.70	20.50						
20.50	21.10	diorite	stringers, disseminate, patches, veinlet	sulfide	py, cpy, chl, ep		py and cpy occur as stringers and disseminated in diorite or as stringers and patches in epidote veinlets. Epidote veinlets @ 30-45 dg to CA at 17.50-17.70m
21.10	21.80	diorite	stingers, veinlets	suldide	chl, ep, py		grey-light greenish diorite with weak chloritization. Veinlets of chlorite and epidote seen locally with stringered py.
26.52	27.15						
27.15	27.57	diorite	veinlet, stringer, diss., patches	sulfide	py, cpy, chl, ep,		diorite cut by veinlets of chlorite and epidote with stringered and disseminated py and patches of cpy in the veinlets. The veinlets @45 dg to CA. sulfides<1%
27.57	27.77	diorite	massive, stringer, diss., vein	sulfide	py, cpy, cc, qtz, epo		py and cpy as small massive pieces, disseminated and stringer in the veinlet (2.5cm) of epidote +calcite and quartz. The veinlet @ 40 dg to CA. Sulfides make up ~4%
27.77	28.60	diorite	veinlet, diss., stringer	sulfide	chl, ep, py		grey to dark grey diorite with veinlets of chlorite and epidote locally. Disseminated and stringered py only seen in limited locations in the veinlets.
28.60	29.25						
30.33	31.05						
34.70	35.97	diorite	veinlet, stringer, diss., patches	sulfide	py, cpy, chl, ep,		diorite cut by veinlets of chlorite and epidote with stringered, disseminated py and patches of cpy in the veinlets. The veinlets @45 dg to 70 dg to CA. sulfides <1%
35.97	36.50	diorite	stringer, patches	sulfide	chl, py, cpy,		chloritized diorite. Broken core with patches and srtinger of py and cpy locally. Fault zone?
36.50	36.88						
36.88	37.15	breccia	brecciated, matches, stringer	sulfide	ep, chl, py, cpy, arsenopy?		The breccia are diorite, irregular sharp to sub-sharp shape , cemented by epidote, py, cpy and arsenopyrite(?). Py and cpy as patches, stringers. Arsenopyrite(?) is surrounded by py and cpy. Sulfides ~2%
37.15	37.85	diorite	veinlet, stringer	sulfide	py, arsenopy, cpy		diorite cut by veinlets of epidote, pyrite and arsenpy(?). Minor cpy as stringers in the veinlets. Sulfides<1%
37.85	39.01						
39.01	43.50	diorite	veinlets		chl		grey medium-grained diorite cut by chlorite veinlets locally
43.5	45.6	diorite	massive				Dark grey fine-grained diorite
45.6	46.35	diorite	veinlets, diss., spots	sulfide	chl, ep, py, cpy		Grey to light green medium-grained diorite with moderate to intensive alteration of chlorite and epidote. Disseminated py and minor cpy spots occur in the epidote veinlets locally. Broken core. Fault zone?
46.35	54.00	dorite	veinlets, diss., stringers	sulfide	chl, ep, py, cpy		Grey medium-grained diorite, locally coarse-graine. Weak-moderate alternation of chlorite and epidote (veinlets). The veinlets @40-70 dg to CA. At ~47.10m, 2.5-3cm epidote vein cut coarse-grained diorite @65-70 dg to CA. Py disseminated in diorite or as stringers in epidote veinlets with minor cpy locally. From 53.4-53.5m, a 10cm qz vein porpendicular to CA.
54.00	55.00	diorite	veinlets, diss.,	suldide	chl, ep, py, cpy		with moderate to intensive chloritization and epoditization. Py

08-SND-04 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
			stringers				disseminates or stringers in chlorite and epidote veilents with minor cpy and arsenopy(?). Sulfides<1%
55.00	55.90	diorite	stringers, disseminate, veinlet, stockworks	sulfide	chl,ep, k-feldspar, py, cpy		chloritic and potassic diorite with minor stringered cpy and stringered and diss py in veinlets and stockworks of chlorite and epidote
55.90	56.30	*porphyritic aplite ?*	*porphyritic*		*feldspar, ep*		*Dark porphyritic aplite. The phenocryst is white felspar and some of the phenocrysts replaced bygreen epidote.*
56.30	*58.50*						
58.50	59.40	fault zone(?)	veinlets, stringers, diss.	sulfide	chl, ep, cc, qtz, py, cpy, hem, kaolinite		Fault zone?: broken core with moderate chloritization.Locally epidote and qz-carbnonate veinlets.Py occurs as stringers in the chlorite-epidote veinlets and disseminates in diorite in limited locations.
59.40	60.20						
60.20	60.66						
60.66	60.96	cataclastic diorite, breccia	cataclastic, brecciated, stockworks, veinlet, stringer, diss., patches	sulfide	ep, chl,k-feldspar, py, cpy,		cataclastic diorite and breccia (60.66-60.96m,61.55-61.80m). The middle part of this unite is grey diorite (locally core broken). Cataclatite cut by dense veinlets and stockworks of epidote, chlorite with patches, stringers and dissemination of py and cpy. Potassic alteration seen in cataclastite and the breccia.
60.96	61.80						
61.80	62.15	granodiorite	veinlets, stockworks, stringer, diss., patches	sulfide	chl, ep (?), py, cpy		light grey to dull white fine-medium-grained granodiorite, cut by sparsely veinlets of chlorite and epidote with stringered py and minor cpy. The veinlets @ various angles to CA. From 64.9 to 65.5, more veinlets with significant py and minor cpy. Sulfides <1%
62.15	63.00						
63.00	63.80						
63.80	64.50						
64.50	65.10						
65.10	66.15						
66.15	67.15						
67.15	69.10						
69.10	70.90	fault zone	veinlet, diss.		chl, k-feldspar, hem, limonite,py, cpy		broken core of diorite, granodiorite with chloritization, k-feldspathization, hematite and limonite. Py and minor cpy only seen occasionally. From 70.40 to 70.90m, cataclastite
70.90	84.73	*giant fault zone*	*brecciated, stringers, veinlets*	*minor sulfide*	*chl, hem, iron oxide, ep, , k-feldspar, py, cpy*		*This is a giant fault zone, consisting mainly of gouge and broken core that occur alternatively. The gugues are light green to grey chlorite-altered,alternatively with dull reddish hematite/iron oxide, or their mixture. Breccia and sliding planes are also seen in some of the locations. From 70.9m to 78.64, the fault zone consists mainly of fragments of dull reddish granite with k-feldspathization and sparsely disseminated py and minor cpy.*
84.73	85.69						
85.69	86.65						
114.40	115.21						
115.21	115.80						
124.36	124.95						
124.95	125.55						
125.55	126.11						
126.11	127.00	diorite/granodiorite	veinlets, stockworks, stringer, diss., patches	sulfide, oxide	chl, k-feldspar, qz, py, cpy, hem		chloritic and potassic diorite/granodiorite, cut by qz veinlets and stockworks. Py and minor cpy occur in qz veins as stringers,massive, and disseminated. Qz veinlets @ 30-80 dg to CA. Hematite seen olcally.
127.00	128.20						
128.20	128.80						
128.80	129.40						
129.40	130.10						
130.10	130.45	fault zone	veinlets, stockworks, diss.,	minor sulfide	chl, qz, py,		Fault zone, consisting of chlorite-altered gouge and broken core of chlorite-altered diorite cut by qz veinlets and stockworks. Minor py disseminated in a sandwich layer of chlorite-altered diorite (from 131.25-131.95m) in this fualt zone.
130.45	131.10						
131.10	136.00						
136.00	142.80	diorite	veinlets, stockworks, diss.,	sulfide	chl, qz, py, cpy, bornite		dark green chlorite-(and epidote-?) altered diorite cut by irregular qz veinlets and stockworks. Py (cpy) as stringers, veinlets and disseminated in the diorite. Cpy as two samll massive pieces

08-SND-04 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
							surrounded by bornite at 141.00m.
142.80	146.20	fault zone	cataclastic, veinlets, stockworks, diss.,	minor sulfide	chl, qz,cc py,		fault zone, consisting of completely broken core of chlorite-altered diorite cut by qz and cc veinlets and stockworks. Locally, py sparsely disseminated in the diorite. 145.69-146.20m: grey-light green cataclastite
146.20	151.64	diorite	veinlets, diss.	minor sulfide	chl, hem, k-feldspar, qz,py,		Light grey to dark reddish chloritic and potassic diorite with hematite alteration. Hematite veinlets (1mm-3mm) are pararell to CA at 147.40-147.60m. Py sparsely dissemiated in the diorite. Qz veinlets seen locally.
151.64	152.10	fault zone	cataclastic		chl		fault zone, consisting of light green chlorite-altered cataclastic diorite and gouge
152.10	153.30	diorite	veinlets, diss., patches	minor sulfide	chl, k-feldspar, qz,py, cpy		dark green and dull pinkish chloritic and potassic diorite. Py (cpy) sparsely disseminated in the diorite, occaionally as massive pieces. Sparsely qz veinlets cut the diorite
153.30	154.10						
154.10	154.84						
154.84	155.70						
155.70	156.50						
156.50	157.10	fault zone	veinlet		chl, clays, qz,		fault zone, consisting of light green chlorite-altered diorite and gouge. At the bottom of this unite, the fault plane is perpendicular to CA.
157.10	157.89	diorite	veinlets, stringer, diss., patches	minor sulfide	chl, k-feldspar, qz, hem, py, cpy		dark pinkish to dark green chloritic and potassic diorite, cut by irregular qz veinlets and hematite veinlets. Py (minor cpy) as stringers and patches in qz (sometime and hematite) veinlets and sparsely disseminated in the diorite
157.89	158.84						
161.60	161.90						
163.35	164.56						
164.56	165.56						
165.56	166.56						
	174.65						
174.65	EOH						

08-SND-05

Logan Copper Inc		Dansey Project	
Drill Hole ID	08-SND-05		
Collar	0650236m E	5598789m N	1189m Elevation
Azimuth	125 degree		
Dip	-45 degree		
Length	223.42m		
Starting date	28-Jul-09		
Ending date	30-Jul-09		
Logged by	Zhonghua (John) Pan		
Date	30-Jul-09		

Glossary of Terms
chl: chlorite
ep: epidote
cpy: chalcopyrite
py: pyrite
qz: quartz
hem: hemetite
cc: calcite
kspar: potassic feldspar
carb: carbonate
diss: disseminated
str.: stinger

08-SND-05 Re-Assay							
From (m)	To (m)	Rock Type	Structures	Mineralization Type	Minerals	Mag. Susceptibility	Description
0.00	4.27						Casing (according to previous logging)
4.27	5.49	Fault zone			chl, clays		Fault zone: fragments of clay altered chloritic diorite and gouge
5.49	8.63	diorite	veinlets	oxide	chl, clays, kspar, limonite		Dark grey and dark green fine to medium-grained diorite with pinkish diorite locally. Core is semi-broken and clay altered with rusty fracture.
8.63	13.73	Fault zone		oxide	clays, chl, limonite		Fault zone: gouge and fragments of clay altered chloritic diorite with rusty fractures
13.73	15.33	diorite	veinlets	oxide	chl, limonite		dark grey fine to medium-grained diorite. Broken core locally with rusty fragments.
15.33	20.53	Fault zone	veinlets, brecciated	oxide	clays, chl, limonite, hem, cc, qz		Fault zone: gouge and fragments of strongly clay altered chloritic diorite with limonite in many locations of this unit. Hematitic brecciated diorite with cc and qz veinlets seen at 17.68-18.08m. At the contact with the lower unit, the fault plane is 35 dg to CA.
20.53	27.47	diorite	veinlets, stringer	minor sulfide	cc, qz, py, cpy		dark grey fine- to medium-grained diorite cut by sparse 1-2mm sized cc and qz veinlets. Py stringers with minor cpy only seen locally (27.47-27.80m resampling)
27.47	27.80						
27.80	30.57						
30.57	31.65	Fault zone	veinlets, stringer, massive	minor sulfide	chl, py,cpy		Fault zone:fragments of heavily broken core of dark grey and light green diorite with stringers and small pieces of massive py and minor cpy. Re-sampling: 31.65-32.15m; 34.60-35.10m
31.65	32.15						
34.60	35.10						

08-SND-05 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
35.10	35.97						
35.97	39.35	diorite					grey to dark grey fine to medium grained diorite
39.35	48.56	mafic dyke, diorite	massive				dark to black mafic dyke and dark fine grained diorite. The contact plane b/t the dyke and diorite seems to be nearly parallel to CA. Chloritization seen loaclly. This dyke appears to be different from those seen in 08SND02 and 08SND04. No mafic dyke seen in 08SND03.
48.56	58.50	diorite	veinlets	oxide	chl, hem		Grey to dark grey fine to medium grained diorite with chlorire and hematite alteration locally
58.50	69.33	diorite/granodiorite	veinlets, stringer, diss.	minor sulfide	cc, py, cpy		Grey medium-grained granodiorite/diorite with cc veinlets and occasional stringers and diss. of py and cpy. Two small fault zones developed in this unit: 59.00-59.45m; and 60.35-60.55m. Heavily broken core locally.
69.33	70.09						
70.09	72.30						
72.30	76.00	Fault zone			chl, clays		Fault zone: broken core and fragments of dark green clay altered chloritic diorite
76.00	86.05	diorite	veinlets, stockwork, diss.	minor sulfide	chl, cc, ep, py, cpy,		dark grey to light green diorite cut by mm sized cc veinlets and stockwork. Epidote alteration seen locally. Diss cpy seen occasionally.
86.05	86.35						
92.70	93.55						
93.55	94.48						
94.48	95.53						
95.53	95.96	diorite	veinlets, bands	minor sulfide	kspar, py, chl, cpy		potassic and weakly chloritic diorite with strong py mineralization as veinlets and bands. Cpy occasionally seen in the py veinlets.
95.96	108.72	diorite	veinlets, diss	minor sulfide	chl,qz, cpy		dark green fine- to medium-grained diorite cut by qz veinlets. Sparsely diss cpy seen occasionally.
108.72	109.12	diorite	veinlets, stringere	minor sulfide	chl, clays, hem, cc, py, cpy		dark green diorite with strong chloritization. Strong deformation and clay alteration seen locally with hematite and cc veinlents. Py anf cpy only seen locally as stringers
109.12	110.12						
110.12	111.65						
111.65	112.32	Fault zone	veinlets	minor sulfide	chl, clays, py, cpy		Fault zone: fragments and some slightly broken core of light green diorite with clays. Occ str. py+cpy
112.32	115.70						
115.70	120.20	diorite	veinlets, diss	minor sulfide, oxide	cc, hem, cpy, py		dark grey fine- to medium-grained diorite occ cut by cc veinlets. Hematite flooded on the fractures. Occ diss cpy and py
120.20	121.00						
121.00	121.31	mineralized diorite	massive	sulfide	py, cpy,chl		chloritic diorite with massive py+cpy. Sulfide is estimated to be 5%
121.31	121.41						
121.41	123.86	diorite	veinlets, str., diss.	minor sulfide			dark grey to light green fine- to medium-grained diorite. Sparse

08-SND-05 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
123.86	124.36						cpy+py str/diss seen locally.
125.30	125.60						
125.60	125.90	Fault zone			clays		Fault zone: fragments of diorite and clays
125.90	131.45	diorite	veinlets, str. Diss	minor sulfide	chl, ep, py, cpy		grey, dark grey to light green fine- to medium-grained diorite with local chlorite and epidote alter. Str./diss cpy&py seen locally.
131.45	132.03						
132.03	134.00						
134.00	134.70	Fault zone		oxide	hem,chl		Fault zone: grey, light green to dull reddish gouge and fragments of grey diorite
134.70	141.90	diorite	veinlets, str., diss.	minor sulfide	chl, ep, py, cpy		grey to dark grey fine- to medium-grained diorite with local chlorite and epidote alter.(veinlets) locally. Occ sparsely diss cpy seen in diorite. Str/veinlets cpy&py seen in chl+ep veinlets.
141.90	142.34						
143.45	143.70						
144.90	145.06						
154.40	154.84						
154.84	155.17						
155.17	155.30						
155.30	155.88						
157.10	157.89						
157.89	158.50						
159.70	160.20						
160.20	160.93	Fault zone			chl, clays		Fault zone: fragments of grey to light green diorite and clays
160.93	161.65	diorite	veinlets, str, diss	minor sulfide	chl, ep, py, cpy		grey, dark grey to light green fine- to medium-grained diorite with local chlorite and epidote alter. Sparsely Str./diss cpy&py seen locally.
169.00	169.40						
169.40	169.83						
169.83	170.20	Fault zone			clays		Small fault zone: fragments of dark green diorite and clays
170.20	171.35	diorite	veinlets		chl, cc		dark grey fine to medium-grained diorite with chlorite and carb. veinlets locally.
171.35	173.13	diorite	stringer,diss	sulfide	chl, kspar,cpy, py		dark gery to light green with tinge of pinkish fine- to medium-grained diorite. Sparse str/diss cpy seen. (1)171.35-173.13m: Sparse str/diss cpy; (2) 173.13-174.38m: Sparse str/diss cpy (previous assays:2780ppm Cu)
173.13	174.38						
174.38	175.67	diorite	veinlets		chl,hem		dark grey fine-to medium-grained diorite with local chl and hem alt'n
175.67	176.17	diorite	stringer,diss	sulfide	chl, hem,cpy		dark gery to light green fine- to medium-grained diorite with local chl

08-SND-05 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
176.17	176.72						and hem alt'n and sparse str/diss cpy. (1)175.67-176.17m; (2) 176.17-176.72m
176.72	180.50	Fault zone		oxide	chl,hem,clays		Fault zone: fragments of dark grey and light green diorite with local hem and clay alt'n
180.50	184.20	diorite	veinlets	oxide	chl,hem,cc,qz		Semi-broken core of dark grey to dark green and dull reddish diorite cut by carb. And qz veinlets. Silicification seen locally.
184.20	194.20	Giant fault zone	brecciated, cataclastic, veinlets	oxide, minor sulfide	chl,clays, kspar, hem, qz, cpy		Giant fault zone: (1) 184.20-187.20m: fragments of dark grey to light green dirite with strong chl alt'n and hem flooded on the fractures; (2) 187.20-191.35m: light grey breccia with clay alt'n and local hematite alt'n. The breccia is silicified; (3) 191.35-192.40m: dull reddish gouge with strong hematite alt'n; (4) 192.40-194.20m: ligh green gouge with dark reddish clay-altered diorite locally; (5) 194.20-199.10m: reddish gouge with light green gouge and fragments of clay-altered diorite locally; (6) 199.10-206.65m: fragments of reddish hem- and clay-altered diorite with light chlorite-and clay-altered diorite. reddish and light green gouge seen locally; (7) 206.65-209.70m: light grey to light reddish gouge and clay-altered diotite; (8)209.70-210.40m: fragments of grey,dull reddish and light green diorite and gouge; (9) 210.40-211.15m :fragments of ligh green-green chloritic diorite with clay alt'n and gouge; (10) 211.15-211.85m: a sandwiched core in the fault gouge: light green to dull pinkish diorite with moderate clay alt'n and sparse cpy diss; (11) 211.85-212.75m: light green and dull reddish gouge; (12) 212.75-215.80m: light grey-light reddish-light green gouge and strongly clay-altered pinkish cataclastic diorite with qz veinlets; (13) 215.80-217.10m: dark green and dark reddish gouge; (14)217.10-218.40m: a sandwiched core in the fault gouge: light green to ligh pinkish diorite cut by qz veinlets and with strong clay alt'n locally; (15) 218.40-222.70m: dark green and dark reddish clay-altered cataclastic diorite and gouge; and (16)222.70-223.40m: Fragments of dark green and reddish diorite and gouge.
194.20	194.46						
194.46	197.51						
197.51	197.91						
197.91	198.36						
198.36	199.10						
199.10	200.56						
200.56	209.70						
209.70	210.40						
210.40	211.15						
211.15	211.85						
211.85	212.75						
212.75	223.40						
223.4	EOH						

08-SND-06

Logan Copper Inc		Dansey Project	
Drill Hole ID	08-SND-06		
Collar	0649941m E	5598799m N	1213m Elevation
Azimuth	125 degree		
Dip	-60 degree		
Length	199.64m		
Starting date	28-Jul-09		
Ending date	30-Jul-09		
Logged by	Zhonghua (John) Pan		
Date	30-Jul-09		

Glossary of Terms
chl: chlorite
ep: epidote
cpy: chalcopyrite
py: pyrite
qz: quartz
hem: hemetite
cc: calcite
kspar: potassic feldspar
carb: carbonate
diss: disseminated
str.: stinger

08-SND-06 Re-Assay							
From (m)	To (m)	Rock Type	Structures	Mineralization Type	Minerals	Mag. Susceptibility	Description
0.00	3.05						Casing
3.05	11.00	diorite		oxide	limonite		grey to dark grey medium-grained diorite with rusty fractures and surfaces in limited locations.
11.00	12.10	fault zone			chl, clay		Fault zone: fragments of dark to dark green fine- to medium-grained diorite with clay alt'n and some gouge.
12.10	12.75	diorite		oxide	limonite		grey to dark grey meduim-grained diorite with rusty surfaces locally.
12.75	12.95	fault zone		oxide	limonite		small fault zone: fragments of rusty diorite and gouge
12.95	20.30	diorite	veinlet	oxide	limonite, carb. chl		grey to dark grey meduim-grained diorite with rusty fractures and carb. Veinlets. Chl alt'n seen locally.
20.30	24.85	diorite	veinlet	oxide	limonite, carb.		grey to dark grey meduim-grained diorite. Carb. flooded on the rusty fractures locally.
24.85	25.85	diorite	str, diss	minor sulfide	py,cpy		grey to dark grey meduim-grained diorite with sparse str/veinlet/diss py+cpy. The veinlets @40 dg to CA
25.85	31.15	diorite	str, veinlet	minor sulfide	py,cpy		grey to dark grey meduim-grained diorite with str/veinlet py+cpy locally.
31.15	31.30						
32.40	32.85						
33.22	34.20						
34.20	34.80						

08-SND-06 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
34.80	35.30	fault zone			chl, clay		Fault zone: /broken core/fragments of grey to dark green diorite with gouge locally.
35.30	39.55	diorite	str, veinlet, small massive pieces	minor sulfide	py,cpy, moly		grey to dark grey meduim-grained diorite with sparse str/veinlet py+cpy locally. Small pieces of molybdenite seen in the py+cpy veinlets at two locations: 46.10-46.20m and 47.30-47.40m. (previous assays: 45.42-48.46m: Cu 736ppm, Mo 238ppm)
39.55	39.85						
43.05	43.45						
44.56	45.10						
47.20	48.15						
48.46	48.69						
48.69	50.76						
50.76	51.26	fault zone			chl, clay		fault zone: light green gouge
51.26	54.56	diorite					grey to dark grey medium-grained diorite
54.56	57.61	diorite	str/veinlet and small massive	minor sulfide	cpy, py		grey to dark grey medium-grained diorite with sparsely str/veinlet and small massive cpy+py
57.61	57.83						
63.70	64.35						
64.35	65.90						
65.90	66.30						
66.30	66.60	mafic dyke (?)					dark to black fine-grained to obsecure mafic dyke (?), non magnetic
66.60	67.30	diorite	str, veinlet	minor sulfide	cpy, py		grey to dark grey medium-grained diorite with limited str/veinlet cpy+py
67.30	67.38	mafic dyke (?)					dark to black fine-grained to obsecure mafic dyke (?), weak magnetic, same as at 66.30-66.60m.
67.38	68.70	diorite	str, veinlet	minor sulfide	cpy, py		grey to dark grey medium-grained diorite with str/veinlet cpy+py locally.
68.70	69.44						
69.44	71.00						
71.00	72.75	fault zone			chl, clays		Fault zone: fragments of grey to light green diorite and gouge.
72.75	73.40	diorite	str, veinlet	sulfide	cpy, py		grey to dark grey medium-grained diorite with str/veinlet cpy+py.
73.40	74.20						
74.20	74.80						
75.90	76.50						

08-SND-06 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
76.50	77.75						
77.75	78.44						
78.44	78.94						
78.94	85.04						
85.04	85.34	diorite	str, veinlet	minor sulfide	cpy, py		grey to dark grey medium-grained diorite with limited str/veinlet cpy+py.
85.34	97.00						
97.00	98.80	diorite	veinlet		chl, ep, carb.		grey to light green chl+ep altered diorite with carb. veinlets
98.80	104.33	diorite	str, veinlet	minor sulfide	chl, ep, carb, cpy, py		grey to dark grey medium-grained diorite with ep+chl, carb veinlets and sparse str/veinlet cpy+py locally.
104.33	105.90	diorite	veinlet		chl, qz, carb.		dark green fine- to medium-grained chloritic diorite with qz+carb veinlets
105.90	112.14	diorite	str, veinlet	minor sulfide	chl, py, cpy		grey to dark grey medium-grained diorite with chl alt'n and sparse str/veinlet py+cpy locally. The veinlets @ different angles to CA, from 20 to 85 dg.
112.14	112.47						
124.90	125.40						
126.50	127.71						
129.00	129.68						
129.68	141.85						
141.85	143.25	fault zone			chl, clays		Fault zone: fragments of grey diorite with chl and clay alt'n and gouge
143.25	198.90	diorite	str, veinlet	minor sulfide	chl, py, cpy		grey to dark grey medium-grained diorite with chl alt'n and sparse str/veinlet py+cpy locally.
198.90	199.64	diorite			chl, clays		dark grey to dark green chloritic diorite with clay alt'n. broken core.
199.64	EOH						

Logan Copper Inc		Dansey Project	
Drill Hole ID	08-SND-07		
Collar	0650168m E	5599057m N	1175m Elevation
Azimuth	0 degree		
Dip	-90 degree		
Length	67.00m		
Starting date	28-Jul-09		
Ending date	30-Jul-09		
Logged by	Zhonghua (John) Pan		
Date	30-Jul-09		

Glossary of Terms
chl: chlorite
ep: epidote
cpy: chalcopyrite
py: pyrite
qz: quartz
hem: hemetite
cc: calcite
kspar: potassic feldspar
carb: carbonate
diss: disseminated
str.: stinger

08-SND-07 Re-Assay							
From (m)	To (m)	Rock Type	Structures	Mineralization Type	Minerals	Mag. Susceptibility	Description
0.00	3.05						Casing
3.05	4.20	diorite					broken core of grey to dark grey medium-grained diorite.
4.20	14.20	diorite	str/veinlet/diss	minor sulfide	chl, cpy, py		grey to dark grey medium-grained diorite with local chl alt'n.str/veinlet/diss cpy+py occasionally seen. Chloritic and potassic diorite with carb. stockworks seen at 11.80-12.20m
14.20	16.35	Fault zone			chl, clays,		Fault zone: light green gouge and fragments of dark grey to light green medium-grained diorite
16.35	17.78	diorite	veinlet		chl, clays, carb., hem		dark green medium-grained diorite with chl and weak clay alt'n, cut by carb veinlets. Hem veinlets seen locally.
17.78	18.30	diorite	str/diss	minor suldide	py, chl, kspar, cpy		grey to dark green medium-grained diorite with massive/veinlet/str/diss py alt'n. Chloritic and potassic alt'n with minor str/diss cpy seen locally.
18.30	19.27						
19.27	19.70						
19.70	20.15						
20.15	21.35						
21.35	22.30						
22.30	23.15						
23.15	23.90						

08-SND-07 Re-Assay							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
23.90	24.40						
24.40	25.40						
35.20	36.10						
36.10	36.80						
41.40	42.55						
42.55	42.90						
42.90	57.95	diorite	veinlet / str	minor suldide	py		grey to dark grey medium-grained diorite with sparse veinlet/str py.
57.95	58.68	diorite	veinlet / str / massive	sulfide	chl, py, cpy		grey to dark grey medium-grained diorite with chl and py alt'n. py as veinlet/str/massive pieces with minor cpy.
58.68	59.58						
59.58	60.15						
60.15	61.00						
61.00	61.67						
61.67	62.67	diorite, mafic dyke	veinlet		chl		dark green chl altered fine-grained diorite with 2 pieces of dark to black mafic dyke (?).
62.67	63.47	Fault zone			chl		Fault zone: fragments of dark to black and dark green fine-grained to obscure dyke (?)
63.47	64.33	diorite	veinlet		chl, clays, qz, carb		light to dark green fine-grained diorite with chl, and clay alt'n, and qz+carb veinlets.
64.33	65.10	Fault zone			chl, clays		Fault zone: light green gouge and fragments of diorite
65.10	65.70	diorite	veinlet		chl, clays, qz, carb		light to dark green fine-grained diorite with chl, and clay alt'n, and qz+carb veinlets.
65.70	66.40	diorite	str / veinlet		py, cpy		dark grey medium-grained diorite with sparse str/veinlet py+cpy
66.40	66.75						
66.75	67.77						
67.77	EOH						

09-SND-10

Logan Copper Inc		Dansey Project	
Drill Hole ID	09-SND-10		
Collar	0650437m E	5598873m N	1164m Elevation
Azimuth	74 degree		
Dip	-50 degree		
Length	158.69m		
Starting date	10-Aug-09		
Ending date	14-Aug-09		
Logged by	Zhonghua (John) Pan		
Date	30-Aug-09		

Glossary of Terms
chl: chlorite
ep: epidote
cpy: chalcopyrite
py: pyrite
qz: quartz
hem: hemetite
cc: calcite
kspar: potassic feldspar
carb: carbonate
diss: disseminated
str.: stinger

09-SND-10							
From (m)	To (m)	Rock Type	Structures	Mineralization Type	Minerals	Mag. Susceptibility	Description
0.00	6.08						Casing
6.08	6.80	diorite	veinlet	minor sulfide	py, cpy		grey meddium-grained diorite. 1mm sized py+cpy veinlets occasionally seen.
6.8	6.90						
6.90	7.40	diorite			kspar		grey and light pinkish meddium-grained diorite
7.40	135.30	Giant fault zone	cataclastic, brecciated, veinlets /stockworks, str /diss /massive, splashes	sulfide, oxide, carbonate, native copper(?)	chl, clays, kspar, carb, iron oxide, py, cpy, malachite,native copper (?)		grey, dark grey, dark green and pinkish cataclastic diorite or fragments or heavily broken core of diorite and cataclastic diorite; various clored gouge. Serveal significant copper mineralization zones seen in this giant fault zone. There are 42 sub-units in this giant fault zone:
7.40	8.26	diorite	veinlet, splashes	minor carbonate	chl, kspar, ep, malachite		heavily broken core of grey, light green and light pinkish medium-grained diorite with ep veinlets and splashes of malachite locally.
8.26	8.72	diorite					fragments of grey diorite
8.72	9.12	diorite		oxide	hem		moderately-heavily broken core of grey diorite with hematite locally.
9.12	10.22	diorite	splashes, diss	cu carbonate	chl, malachite		fragments of green medium-grained diorite with splashes/diss malachite locally. Only 60cm core.
10.22	12.16	diorite	splashes, diss	cu carbonate	kspar, chl, malachite		fragments of light pinkish and light green medium-grained diorite with splashes/diss malachite locally. 1.05m core.
12.16	13.68	diorite	splashes	cu carbonate	kspar, malachite		grey to light pinkish medium-grained with malachite splashes locally.
13.68	15.20	diorite	splashes	cu carbonate	kspar, malachite		fragments of grey to light pinkish medium-grained with malachite

09-SND-10							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
							splashes locally. Only 70cm core.
*This drill hole has been re-drilled from 9.15m. This core logging ignores the re-drilled core from 9.15m to 15.20m since the core could be the collapsed core from previous one. This core logging resumes from 15.20m of the second drilling.							
15.20	16.49	diorite		oxide	limonite		fragments of grey diorite with rusty fractures and surface. Only 55cm core.
16.49	16.94						
16.94	18.24	diorite					grey to dark grey diorite. Heavily broken core. Only 75cm core.
18.24	19.34	diorite		oxide	limonite		grey to dark grey fine-to medium-grained diorite.with rusty surface locally. 2.65m core. Three samples were taken for this unit (see 09SND10-sampling. Same to the following sampling).
19.34	20.55						
20.55	21.30						
21.3	21.50						
21.50	22.45	diorite		oxide	limonite		fragments of grey and rusty diorite. 1.21m core. Two samples were taken for this unit.
22.45	24.10						
24.10	24.34			oxide	clays, chl, hem		dark grey, dark green, grey and light reddish gouge with fragments of diorite. 1.60m core. Three samples were taken for this unit.
24.34	25.20						
25.20	26.30						
26.30	27.20						
27.20	27.38	cataclastic & brecciated diorite	cataclastic, brecciated	oxide	chl, hem		light green to grey cataclastic and brecciated diorite with hematite locally.Two samples were taken for this unit.
27.38	27.93						
27.93	28.80						
28.80	29.90	clays & cataclastic diorite	cataclastic		clays, chl		light green gouge and fragments of cataclastic diorite.
29.90	30.42	diorite		oxide	chl, kspar, clays, hem		light green and light pinkish fine- to medium-grained diorite with gouge and hematite alt'n locally. Most of the core is heavily broken. Four samples were taken for this unit.
30.42	31.10						
31.10	31.90						
31.90	32.78						
32.78	33.46						
32.78	33.55						
33.55	34.45	diorite & clays		oxide	chl, hem, clays		fragments of dark green and dark reddish diorite and gouge. 1.38m core. Two samples were taken for this unit.
34.45	35.50						
35.50	36.50	diorite & clays		oxide	chl, clays, hem		fragments or dark green diorite , light green gouge with local reddish

09-SND-10							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
36.50	37.62						diorite. Three samples were taken for this unit.
37.62	38.55						
38.55	39.54	clays & diorite		oxide	clays, chl, hem		light geen and light reddish gouge and fragments of diorite. 1.10m core.
39.54	40.10						
40.10	41.00	diorite	veinlet/str	oxide and minor sulfide	chl, kspar, clays, hem		fragments of dark grey to dark green fine- to medium-grained diorite with local pinkish diorite, gouge and hematite alt'n. 2.95m core. Minor veinlet/str py+cpy seen in some locations in the interval of 43.98-45.62m. Four samples were taken for this unit.
41.00	42.58						
42.58	43.98						
43.98	45.62						
45.62	46.77	diorite	veinlet	oxide	chl, kspar, ep, hem		fragments of dark grey to dark green and dark pinkish diorite with ep and hem alt'n locally. Six samples were taken for this unit. 1.63m core for the interval of 45.62-48.66m.
46.77	47.52						
47.52	48.17						
48.17	48.66						
48.66	49.15						
49.15	50.42						
50.42	51.70						
51.70	52.55	diorite		oxide	chl, hem, clays		fragments of light green and reddish diorite with clay alt'n. 0.50m core.
52.55	54.15	diorite					dark grey diorite, one of the sandwiches of the fault zone. 0.95m core.
54.15	54.74	clays			clays		light green gouge.
54.74	55.74	clays		oxide	clays, hem		light reddish gouge.
55.74	56.74	diorite & clays			chl, kspar, clays		dark grey, dark green and pinkish diorite. Heavily to moderately broken core with local gouge and fragments. Eleven samples were taken for this unit.
56.74	57.78						
57.78	58.75						
58.75	59.42						
59.42	60.82						
60.82	61.90						
61.90	62.85						
62.85	63.86						
63.86	65.00						

09-SND-10							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
65.00	65.80						
65.80	66.80						
66.80	66.90	diorite	cataclastic, veinlets	minor sulfide	chl, kspar, clays, py (cpy?), carb.		grey, light green and pinkish cataclastic diorite with clay alt'n. Occasionally py (cpy?) and carbonate alt'n. A fault plane is seen @45 dg to CA at 71.20m where this unit contacts with the lower unit: light grey and light reddish gouge. Four samples were taken for this unit.
66.9	67.80						
67.80	68.88						
68.88	69.94						
69.94	71.20						
71.20	72.26	clays and brecciated diorite	brecciated		clay, hem, chl		reddish, light green and grey gouge and breccated diorite. Five samples were taken for this unit.
72.26	72.98						
72.98	73.35						
73.35	74.45						
74.45	75.25						
75.25	75.75						
75.75	76.02	cataclastic diorite	cataclastic, veinlets /stockworks		chl, kspar, hem, carb., clays		light green, light pinkish and light reddish cataclastic diorite with carb. veinlets/stockworks and gouge locally. Ten samples were taken for this unit.
76.02	76.72						
76.72	77.72						
77.72	78.85						
78.85	79.06						
79.06	79.90						
79.90	80.95						
80.95	82.10						
82.1	82.34						
82.34	83.34						
83.34	84.24						
84.24	84.84						
84.84	85.14						
85.14	85.60						
85.60	86.30	cataclastic diorite	cataclastic		chl, kspar, clays		fragments of light green, grey and light pinkish cataclastic diorite with gouge locally. Three samples were taken for this unit.
86.30	87.25						

09-SND-10							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
87.25	88.03						
88.03	88.18	cataclastic & brecciated diorite	cataclastic & brecciated		carb., clays, kspar		light grey carbonate altered cataclastic and brecciated diorite and gouge with local pinkish cataclastic diorite. Two samples were taken for this unit.
88.18	88.84						
88.84	89.66						
89.66	90.56	cataclastic diorite	cataclastic		chl, kspar, hem		light green and light pinkish cataclastic diorite with hem alt'n locally. Three samples were taken for this unit.
90.56	91.22						
91.22	91.40						
91.40	92.32						
92.32	93.32	cataclastic & brecciated diorite	cataclastic & brecciated, diss/str., massive	sulfide	chl, clays, py, cpy, carb.		dark grey to dark geen cataclastic diorite with diss/str py+cpy and minor massive py+cpy. Brecciated diorite, gouge and carb veinlets seen locally. Nine samples were taken for this unit.
93.32	94.26						
94.26	95.00						
95.00	95.73						
95.73	96.98						
96.98	97.30						
97.3	98.10						
98.10	99.00						
99.00	99.80						
99.80	100.34						
100.34	100.50						
100.50	101.60	cataclastic diorite	cataclastic diss/str.	sulfide	chl, carb. py, cpy, clays		dark grey, dark green cataclastic diorite with carb veinlets/stockworks and sparsely diss/str py+cpy. Gouge seen locally. Core is heavily broken locally. Three samples were taken for this unit.
101.60	102.30						
102.30	102.95						
102.95	103.38	diorite & cataclastic diorite	cataclastic, veinlets /stockworks	oxide	chl, carb, clays, kspar, iron oxide		dark grey, dark green diorite and cataclastic diorite with tinge of pinkish, some rusty surface and carb veinlets /stockworks. Gouge seen locally. Core is heavily broken. Four samples were taken for this unit.
103.38	103.90						
103.90	104.95						
104.95	105.55						
105.55	106.42						
106.42	107.22	diorite & cataclastic diorite	cataclastic, veinlets	oxide	chl, kspar,clays, carb., iron oxide		dark green and dark pinkish diorite and cataclastic diorite with some rusty surface. Gouge and 1mm sized carb veinlets seen locally. Core is heavily broken. Six samples were taken for this unit.
107.22	108.22						

09-SND-10							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
108.22	109.46						
109.46	110.46						
110.46	111.40						
111.40	112.50						
112.50	113.60	diorite	str/diss	minor sulfide	chl, kspar, py, cpy		fragments of dark green and dark pinkish diorite. Str/diss py+cpy seen locally. Only 60cm core. One sample was taken for this unit.
113.60	115.20	cataclastic diorite & clays	diss/str	sulfide	chl,clays, cpy, py		dark to dark green cataclastic diorite and gouge with diss/str cpy+py. Only 1.65m core. Two samples were taken for this unit.
115.20	115.54						
115.54	116.10						
116.10	116.80	diorite & cataclastic diorite	cataclastic		chl, kspar		dark pinkish and light green diorite and cataclastic diorite. A fault plane at the contact zone with goue in the upper unit is @20 dg to CA. Two samples were taken for this unit.
116.80	117.50						
117.50	118.58	cataclastic diorite and clays	cataclastic, diss/str	sulfide	chl, clays, cpy, py, kspar		dark green cataclastic diorite and gouge with diss/str cpy+py. Light to dark cataclastic diorite seen locally. A fault plane at 120.35m is @ 10-15 dg to CA. Four samples were taken for this unit.
118.58	119.48						
119.48	120.35						
120.35	121.35	cataclastic diorite and clays	cataclastic, veinlets /stockworks		chl, kspar, clays, carb		dark grey, dark green cataclastic diorite with local dull pinkish cataclastic diorite. Gouge and 1-3mm sized carb veinlets/stockworks seen locally. One sample was taken for this unit.
121.35	121.62	cataclastic diorite and clays	cataclastic, veinlets /stockworks		clay, carb		dark grey diorite and cataclastic diorite with gouge and mm size carb veinlets/stockworks locally. Five samples were taken for this unit.
121.62	122.10						
122.10	123.50						
123.50	124.66						
124.66	126.27						
126.27	127.70						
127.70	128.35	cataclastic diorite and clays	cataclastic, veinlets /stockworks, str/diss	minor sulfide	chl, clays, cpy, py, carb		dark grey to dark geen cataclastic diorite and gouge with local str/diss cpy+py and carb veinlets /stockworks . The giant fault zone ends at around 135.30m where the fault plane is developed in cataclastic diorite and flooded with gouge, @40 dg to CA. Eleven samples were taken for this unit.
128.35	129.15						
129.15	129.95						
129.95	130.74						
130.74	130.95						
130.95	131.35						
131.35	131.85						
131.85	132.53						

09-SND-10							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
132.53	133.13						
133.13	133.78						
133.78	134.53						
134.53	135.30						
135.30	136.40	diorite	diss	minor sulfide	chl, py, cpy		dark grey to dark green diorite with local diss py+cpy. One sample was taken for this unit.
136.40	136.82	diorite	diss	native copper(?)	chl,native copper(?)		dark grey to dark green fine- to medium-grained diorite with diss native copper (?) locally. Five samples were taken for this unit. Assay results show no high grades of copper.
136.82	137.20						
137.20	137.60						
137.60	138.10						
138.10	138.50						
138.50	139.10						
139.10	139.86	diorite	veinlets	oxide	chl, carb, hem		dark grey to dark green medium-grained diorite with local carb veinlets. Hematite veinlets occasionally seen. Four samples were taken for this unit.
139.86	140.86						
140.86	141.86						
141.86	142.90						
142.90	143.55						
143.55	144.55	fault zone		oxide	chl, clays, hem		Fault zone: fragments of dark grey to dark green diorite with local reddish gouge. Three samples were taken for this unit.
144.55	145.30						
145.30	145.94						
145.94	146.94	diorite	veinlets	minor carb and iron oxide	carb, iron oxide		dark grey fine- to medium-grained diorite with local carb veinlets and rusty surface. From 150m on, no significant alt'n has been observed. Five samples were taken for this unit.
146.94	148.00						
148.00	148.98						
148.98	150.00						
150.00	151.00						
151.00	152.02						
152.02	155.06						
155.06	158.1						
158.1	158.69						

09-SND-10							
From (m)	To (m)	Rock Type	Structures	Mineralization Type	Minerals	Mag. Susceptibility	Description
158.69	EOH						

09-SND-11

Logan Copper Inc		Dansey Project	
Drill Hole ID	09-SND-11		
Collar	0650437m E	5598873m N	1164m Elevation
Azimuth	74 degree		
Dip	-70 degree		
Length	290.0m		
Starting date	17-Aug-09		
Ending date	26-Aug-09		
Logged by	Zhonghua (John) Pan		
Date	5-Sep-09		

Glossary of Terms
chl: chlorite
ep: epidote
cpy: chalcopyrite
py: pyrite
qz: quartz
hem: hemetite
cc: calcite
kspar: potassic feldspar
carb: carbonate
diss: disseminated
str.: stinger

09-SND-11							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
0.00	9.12						Casing
9.12	10.37	diorite					grey to light pinkish medium-grained diorite. 90cm core.
10.37	57.76	Fault zone	cataclastic, veinlets, str, massive, splashes	sulfide and oxide	chl, kspar, clays, hem, ep, py, cpy, malachite		fragments and cataclastics of grey, dark grey, dark green and dark pinkish diorite with gouge. Epidote and iron oxides seen locally. Malachite seen at 10.37-12.16m. Py and cpy (small massive and str) only seen at 25.97-26.49m. This fault zone includes the following 8 sub-units:
10.37	12.16	diorite	splashes	Cu carbonate	chl, malachite		Fragments of dark grey to dark green diorite with local splashes of malachite. Only ~50cm core.
12.16	12.80	diorite			clays		fragments of grey diorite with local gouge
12.80	13.35	diorite		iron oxide	iron oxide		yellow to brown reddish iron oxidized diorite. ~50cm core
13.35	14.25	diorite		iron oxide	iron oxide		fragments or boroken core of grey diorite with rusty fractures or surfaces. Four samples were taken for this sub-unit.
14.25	15.20						
15.20	16.72						
16.72	18.24						
18.24	19.60	diorite					fragments of grey diorite. Six samples were taken for this sub-unit. At 23.40-25.97m: grey diorite
19.60	21.28						
21.28	22.48						
22.48	23.40						
23.40	24.32						
24.32	25.97						
25.97	26.49	diorite	massive, str	sulfide	chl, kspar, py, cpy		green to pinkish medium-grained diorite with small massive and str py +cpy. Only ~30cm core.

09-SND-11							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
26.49	27.36	diorite	veinlets	iron oxide	chl, kspar, ep, hem		fragments of grey, light green and light pinkish medium-grained diorite with chl+ep veinlets and local hematite alt'n. 19 samples were taken for this sub-unit.
27.36	28.88						
28.88	30.40						
30.40	31.92						
31.92	33.44						
33.44	34.75						
34.75	36.20						
36.20	36.48						
36.48	36.75						
36.75	37.95						
37.95	39.52						
39.52	41.04						
41.04	42.56						
42.56	44.08						
44.08	45.60						
45.60	46.52						
46.52	47.77						
47.77	48.64						
48.64	49.75						
49.75	51.33						
51.33	51.68	cataclastic diorite and clays	cataclastic	iron oxide	chl, kspar, clays, hem		dark gree and dark pinkish cataclastic diorite and its fragments with gouge. Hematite seen locally. 7 samples were taken for this sub-unit.
51.68	52.33						
52.33	53.33						
53.33	54.10						
54.10	54.72						
54.72	55.82						
55.82	56.85						
56.85	57.76						
57.76	58.76	diorite	veinlets	minor sulfide	kspar, chl, ep, traces of py		grey to dark pinkish medium-grained diorite with local chl+ep veinlets and traces of py (+cpy?) str/veinlet (from 60.50-63.84m). 6 samples were taken from this unit.
58.76	59.65						
59.65	60.50						
60.50	60.80						
60.8	61.66						
61.66	62.76						
62.76	63.84						
63.84	64.67	diorite	str/veinlet	sulfide	chl, py, cpy		grey medium-grained diorite with str/veinlet py +cpy and local chl veinlets. Two samples were taken from this unit.
64.67	65.77						
65.77	66.88	diorite	str/veinlet	minor sulfide	py, qz		grey to dark grey medium-grained diorite. Occasionally (occ) str. py and qz veinlets. Two samples were taken from this unit
66.88	67.88						
67.88	68.15	silicified diorite	massive	sulfide	qz, py, cpy		silicified (qz) diorite with small massive pieces of py+cpy
68.15	69.10	diorite					grey diorite
69.10	69.50	diorite	str.	minor sulfide	kspar, py, cpy		grey diorire with local pinkish diorite and str. py+cpy

09-SND-11							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
69.50	69.92	diorite	banded, veinlet	sulfide	py,cpy		grey diorite with small banded py +cpy (4mm size) and veinlets
69.92	71.00	diorite					grey diorite. Two samples were taken from this unit
71.00	72.10						
72.10	72.30	diorite	str/veinlet	sulfide	chl, py, cpy		grey diorite with str/veinlet chl and py+cpy.
72.30	72.56	diorite					grey diorite. Semi-broken core with locally heavily broken core.
72.56	72.96						
72.96	73.90						
73.90	74.75	Fault zone	cataclastic		clays, chl		dark green gouge and dark green cataclastic diorite and its fragments.
74.75	75.90	diorite			kspar		grey to dark grey medium-grained diorite with local dull pinkish diorite. Semi-broken to heavily broken core.Two samples were taken from this unit
75.90	76.00						
76.00	76.50						
76.50	77.45	diorite	str/veinlet	minor sulfide	kspar, py, cpy		dark grey and dull pinkish medium-grained diorite with str/veinlet py+cpy. The veinlets are near //CA
77.45	78.55	diorite	veinlets		kspar, carb.		grey to dark grey medium-grained diorite with local dull pinkish diorite carb veinlets. Two samples were taken from this unit
78.55	79.04						
79.04	79.55						
79.55	80.55	diorite	str/veinlet, massive	sulfide	chl, kspar, py, cpy, carb.		dark grey to dark green diorite with local dull pinkish diorite, with str/veinlet py+cpy and local small pieces of massive py+cpy. Carb. veinlets seen locally. Two samples were taken from this unit.
80.55	81.60						
81.60	82.08	diorite	veinlet, massive		chl, ep		grey to dark grey medium-grained diorite with local veinlet and massive chl+ ep alt'n
82.08	82.47						
82.47	83.40	diorite	str/veinlet	minor sulfide	chl, py, cpy, carb.		grey to dark grey diorite with local light green diorite and sparse str/veinlet py+cpy. Occ carb veinlets
83.40	84.50	diorite			kspar, chl		dark grey to dull pinkish diorite with local dark green diorite. Moderately broken to heavily broken core.
84.50	85.12	diorite	veinlet/str	minor sulfide	kspar, py, cpy		dark grey and dull pinkish diorite with sparse veinlet/str py+cpy
85.12	181.95	Giant fault zone	cataclastic, brecciated, veinlets /stockworks, str /diss /massive/banded	sulfide, oxide, carbonate	chl, clays, kspar, qz, carb, iron oxide, py, cpy		grey, dark grey, dark green and pinkish cataclastic and brecciated diorite; various clored gouge. Four significant copper mineralization zones seen in this giant fault zone, especially from 149.60 to 155.40m. There are 29 sub-units in this giant fault zone:
85.12	85.92	diorite			chl, kspar		fragments of dark grey to dark green and dull pinkish diorite
85.92	86.57	diorite	banded/massive	sulfide	chl, kspar, py, cpy		green, pinisk and dark green diorite with banded and small pieces of massive py+cpy. The band is near //CA.
86.57	87.37	diorite, other (?)	massive		chl		fragments of black to dark and dark green fine-grained cataclastic diorite
87.37	88.16	diorite			chl		fragments of light green fine-grained diorite
88.16	88.26						
88.26	88.96	clays, breccia, cataclastics	brecciated, cataclastic	iron oxide	clays, chl, hem		dull reddish gouge with mixture of dull reddish and light green gouge, and breccia/cataclastics. Two samples were taken from this unit
88.96	89.70						
89.70	90.70						
90.70	91.20	brecciated and cataclastic diorite	brecciated, cataclastic	iron oxide	chl, hem, calys		light green brecciated and cataclastic diorite with local dull reddish cataclastics and gouge. Two samples were taken from this unit.
91.2	91.40						

09-SND-11							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
91.40	92.50						
92.50	93.20	breccia and cataclastics	brecciated, cataclastic, veinlet	iron oxide	chl, hem,carb		grey to light green and light reddish breccia and cataclastics with carb veinlets
93.20	93.93						
93.93	94.24	breccia and cataclastics	brecciated, cataclastic, veinlet	iron oxide, sulfide	chl, hem, py, cpy		grey to light green and light reddish breccia and cataclastics with small pieces of massive py+cpy
94.24	94.34						
94.34	95.07	breccia and cataclastics	brecciated, cataclastic, veinlet	iron oxide	chl, hem, carb, qz		grey to light green and light reddish breccia and cataclastics with local carb and qz veinlets
95.07	95.57	breccia and cataclastics	brecciated, cataclastic, stockworks, massive	sulfide	chl, carb, py, cpy		grey to light green and dark breccia and cataclastics with 1mm size carb stockworks and local small pieces of massive py+cpy
95.57	96.45	breccia and cataclastics	brecciated, cataclastic, massive, veinlet	iron oxide	chl, hem, qz, carb,		grey to light green and light reddish cataclastics and breccia. The breccia includes massive qz, qz(silicified) diorite and broken carb veinlets by the fractures (eg. @102.46m). Hematite veinlets seen locally. 19 samples were taken from this unit
96.45	97.28						
97.28	98.38						
98.38	99.28						
99.28	100.32						
100.32	101.30						
101.30	102.35						
102.35	103.36						
103.36	104.24						
104.24	105.24						
105.24	106.40						
106.40	107.40						
107.40	108.40						
108.40	109.44						
109.44	110.54						
110.54	111.64						
111.64	112.48						
112.48	113.58						
113.58	114.50						
114.50	115.52	breccia and cataclastics	brecciated, cataclastic, massive,	iron oxide	chl, hem, kspar, qz		grey to reddish and dull pinkish with miscellaneous colored cataclastics and breccia. The breccia includes massive qz. This sub-unit is a transition between sub-unit-(11) and -(13). Four samples were taken from this unit
115.52	116.34						
116.34	117.16						
117.16	118.11	breccia and cataclastics	brecciated, cataclastic, str/veinlet	iron oxide and minor sulfide	kspar, chl, carb/qz, hem, minor py+cpy		dark pinkish , dark grey to dark green cataclastics and breccia with mm size carb/qz veinlets, str/veinlet hem locally. Str/spot py +cpy seen occ. 16 samples were taken from this sub-unit.
118.11	118.56						
118.56	119.06						
119.06	120.05						
120.05	120.95						
120.95	121.60						
121.60	122.60						
122.60	123.53						
123.53	124.30						
124.30	124.64						

09-SND-11							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
124.64	124.94						
124.94	126.00						
126.00	126.88						
126.88	127.44						
127.44	127.68						
127.68	127.88						
127.88	128.88						
128.88	129.75						
129.75	130.72						
130.72	130.93	breccia and cataclastics	brecciated, cataclastic, str	iron oxide and minor sulfide	chl, hem, carb, qz, minor py+cpy		grey to dark grey and dark green with local dark reddish breccia and cataclastics. The breccia includes dark to black fine-grained diorite (?), dark reddish diorite, sharp edged pieces of qz and carb, and hematite. Str py+cpy seen occ.
130.93	131.92						
131.92	132.87						
132.87	133.76						
133.76	134.76						
134.76	135.66		cataclastic, brecciated, veinlet		kspar, chl, qz, carb		dark pinkish, dark grey and dark green cataclastics with local breccia. The breccia includes sharp edged pieces of qz and silicified diorite (?). Carb veinlets seen locally. 9 samples were taken from this sub-unit.
135.66	136.80						
136.80	137.60						
137.60	138.22						
138.22	139.00						
139.00	139.84						
139.84	140.84	cataclastics, breccia	cataclastic, brecciated		chl, kspar, clays		dark grey to dark green with local dark pinkish cataclastics and breccia. Locally, small pieces core with gouge. 5 samples were taken from this sub-unit.
140.84	141.52						
141.52	141.90						
141.90	142.70						
142.70	142.88						
142.88	143.58						
143.58	144.70						
144.70	144.92	breccia	brecciated, massive, veining		chl, qz, hem		grey to dark grey, light green to dark green breccia with strong silicification (massive qz and qz veins up to 2.5cm) hematite. The breccia includes sharp-edged massive qz and silicified diorite. 7 samples were taken from this sub-unit.
144.92	145.92						
145.92	146.14						
146.14	146.95						
146.95	147.61						
147.61	148.60						
148.60	148.96	diorite, breccia	massive, veinlet, brecciated		chl, qz		grey to dark grey and light green fine-grained diorite with massive and veinlet qz (from 147.61-148.15m). Breecia seen locally. Two samples taken from this sub-unit.
148.96	149.60						
149.60	150.25						
150.25	150.45						
150.45	150.80	diorite, brecciated and cataclastic diorite	brecciated and cataclastic, stockwork, massive, diss	sulfide	chl, qz, carb, cpy, py		grey to light green fine-grained diorite and brecciated and cataclastic diorite with significant cpy+py mineralization. Massive cpy+py occurs as small and irregular pieces in silicified diorite accompanied by diss cpy+py. 1-2mm sized carb stockworks cut the diorite, forming the fractures that look like those on the cutting faces
150.80	151.80						
151.80	152.00						

09-SND-11							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
152	152.17						of blue ore(azurite). cpy+py making up ~1-2%. 10 samples taken from this sub-unit.
152.17	152.60						
152.60	153.45						
153.45	154.25						
154.25	155.04						
155.04	155.40	cataclastics and breecia	cataclastic and brecciated, str/veinlet, diss	minor sulfide	chl, kspar, hem, minor py+cpy		light green to dark grey and dark pinkish cataclastics and breccia with local reddish (hem str/veinlet) and sparsely diss py+cpy. Two samples taken from this sub-unit.
155.40	156.00						
156.00	156.50						
156.50	157.17	cataclastic and brecciated diorite	cataclastic and brecciated		chl, kspar		light green and dark pinkish cataclastic diorite with local brecciated diorite. Two samples taken from this sub-unit.
157.17	158.08						
158.08	158.93	cataclastic diorite	cataclastic, str/veinlet		chl, kspar, hem, qz/carb		light green to dark green with local dark pinkish cataclastic diorite. Str/veinlet hem and qz/carb seen locally. 7 samples taken from this sub-unit.
158.93	159.20						
159.20	160.15						
160.15	161.12						
161.12	162.12						
162.12	163.17						
163.17	163.76						
163.76	164.16	cataclastic diorite	cataclastic, spot	minor sulfide	chl, kspar, minor py+cpy		light green to dark pinkish cataclastic diorite. py+cpy spots seen occ. 4 samples taken from this sub-unit.
164.16	164.62						
164.62	165.40						
165.40	166.22						
166.22	166.97						
166.97	167.20	cataclastic diorite	cataclastic		kspar, chl		dark pinkish and dark green cataclastic diorite.
167.2	168.23						
168.23	168.98	cataclastic and brecciated diorite	cataclastic and brecciated, stockwork		chl, carb		light to dark green cataclastic diorite with local brecciated diorite and carb stockworks. 2 samples taken from this sub-unit
168.98	169.65						
169.65	170.24	cataclastic diorite	cataclastic	traces of sulfide	kspar, chl, traces of py(+cpy?)		dark pinkish and dark grey cataclastic diorite with local dark green cataclastic diorite. py (+cpy?) seen occ. 6 samples taken from this sub-unit.
170.24	170.70						
170.70	171.70						
171.70	172.70						
172.70	173.28						
173.28	173.70						
173.70	174.70						
174.70	175.50						
175.50	176.32						
176.32	176.77	cataclastics, breccia	cataclastic and brecciated, diss	minor sulfide	chl, kspar, py (+cpy?)		dark green with local dark pinkish cataclastics and breccia. Diss py (+cpy?) seen locally
176.77	177.82	cataclastics, breccia	cataclastic and brecciated, veinlet		kspar, chl, qz		dark pinkish with local light to dark green cataclastics and local breccia. Qz veinlets seen locally.
177.82	178.44	cataclastics, breccia, clays	cataclastic and brecciated, diss	minor sulfide	chl, py (+cpy?)		dark green with local light green cataclastics , breccia and gouge. Diss py(+cpy?) seen locally. 6 samples taken from this sub-unit. This giant fault zone ends at around 181.95m
178.44	179.07						
179.07	179.36						

09-SND-11							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
179.36	179.56						
179.56	180.58						
180.58	180.93						
180.93	181.95						
181.95	182.40	diorite	diss	minor sulfide	kspar, chl, py (+cpy?)		dark pinkish with local dark grey to dark green fine-grained diorite. Diss py (=cpy?) seen locally. 4 samples taken from this unit
182.4	182.95						
182.95	184.05						
184.05	184.90						
184.90	185.44						
185.44	185.56						
185.56	186.20	diorite	massive	minor sulfide	chl, kspar, py+cpy		dark grey to dark green with local dark pinkish fine- to medium-grained diorite with samll pieces of massive py+cpy. 3 samples taken from this unit.
186.20	186.93						
186.93	187.35						
187.35	187.80	diorite	veinlet		kspar, chl, carb		dark grey, dark pinkish and dark green medium-grained diorite with local car veinlets. 4 samples taken from this unit.
187.80	188.48						
188.48	189.25						
189.25	190.00						
190.00	EOH						

09-SND-12

Logan Copper Inc		Dansey Project	
Drill Hole ID	09-SND-12		
Collar	0650414m E	5598908m N	1160m Elevation
Azimuth	74 degree		
Dip	-50 degree		
Length	174.24m		
Starting date	09-Sep-09		
Ending date	15-Sep-09		
Logged by	Zhonghua (John) Pan		
Date	30-Sep-09		

Glossary of Terms
chl: chlorite
ep: epidote
cpy: chalcopyrite
py: pyrite
qz: quartz
hem: hemetite
cc: calcite
kspar: potassic feldspar
carb: carbonate
diss: disseminated
str.: stinger

09-SND-12							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
0.00	9.12						Casing. Only some of fragments of grey diorite seen. No sampling
9.12	10.40	diorite					grey medium-grained diorite, moderately weathered, moderately to heavily broken core
10.40	11.30	Fault zone					Fault zone: fragments of moderately weathered diorite with gouge
11.30	12.16						
12.16	12.66						
12.66	13.44						
13.44	14.60	diorite					grey medium-grained diorite with moderately weathering
14.60	15.20						
15.2	15.80						
15.80	16.90						
		Fault zone	cataclastic	minor sulfide	chl, kspar,clays,py, cpy		Fault zone: fragments of medium-grained grey, dark grey with local dark greenish and pinkish diorite, moderately to heavily broken core of the diorite with local gouge and cataclastic diorite. Sparsely diss/str and small massive py+cpy seen locally. This fault zone includes the following sub-units:
16.90	17.44	diorite, cataclastic diorite					moderately to heavily broken core of diorite with local gouge and cataclastic diorite.
17.44	18.24						
18.24	18.90						
18.90	19.35						
19.35	19.93						
19.93	20.50						
20.50	21.28						

09-SND-12							
From (m)	To (m)	Rock Type	Structures	Mineralization Type	Minerals	Mag. Susceptibility	Description
21.28	22.28						
22.28	23.38						
23.38	24.32						
24.32	25.44						
25.44	26.56						
26.56	27.36						
27.36	28.36						
28.36	29.55						
29.55	30.40						
30.40	31.50						
31.50	32.40	cataclastic diorite, clays			clays		heavily broken core of cataclastic diorite with local gouge
32.40	33.40	diorite	diss, str, massive	minor sulfide	chl, py,cpy		fragments of light to dark greenish medium-grained diorite with local dark pinkish diorite. Sparsely diss/str and small massive py+cpy seen locally (from 36.59 to 37.30m)
33.40	33.44						
33.44	35.10						
35.10	36.48						
36.48	36.59						
36.59	37.30						
37.30	38.25	diorite			chl, kspar		grey to dark grey medium-grained diorite with local dark greenish and pinkish diorite. Heavily broken core
38.25	39.52						
39.52	41.32						
41.32	42.36	clays, diorite, cataclastics	massive	minor sulfide	clays, cpy, py		grey gouge and fragments of diorite. Masive cpy+py seen in dark cataclastics from 42.30 to 42.36m (6cm core, equal to 12cm interval).
42.36	42.56	diorite					fragments of grey medium-grained diorite
42.56	43.46						
43.46	44.56	diorite			chl		fragments of grey medium-grained diorite, heavily broken core of grey diorite with local dark greenish diorite
44.56	45.60						
45.60	48.64						
48.64	49.64						
49.64	50.64						
50.64	51.68						
51.68	52.68						
52.68	53.50						
53.50	54.22						
54.22	54.72	diorite					grey to dark grey medium-grained diorite
54.72	55.22						
55.22	55.92						
55.92	56.65						
56.65	57.30	diorite	str/veinlet	minor sulfide	chl,ep, cpy,py		grey to dark grey with local light greenish medium-grained diorite. Sparsely str/veinlet cpy+py seen locally.
57.30	57.76	diorite					grey to dark grey medium-grained diorite. Heavily broken core locally
57.76	58.45						

09-SND-12							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
58.45	59.20						
59.20	60.25						
60.25	60.45	diorite	diss	minor sulfide	cpy,py		dark grey fine- to medium-grained diorite with diss cpy+py
60.45	60.80	diorite					dark grey medium-grained diorite
60.8	61.45						
61.45	62.50						
62.50	62.85	diorite	veinlet	minor sulfide	chl, carb, cpy, py		grey to dark grey with local dark greenish medium-grained diorite. Occ cpy+py and local carb veinlets
62.85	63.30	diorite	str/veinlet, massive	sulfide	chl, ep, cpy, py		dark greenish to light greenish with local dark grey diorite. Str/veinlet and local massive cpy+py
63.30	63.84	diorite	str/veinlet	minor sulfide	chl, cpy, py		grey to dark grey with local dark greenish medium-grained diorite. Occ str/veinlet cpy+py. Heavily broken core locally.
63.84	64.20						
64.20	65.10						
65.10	66.30						
66.30	66.88						
66.88	67.10						
67.10	68.10						
68.10	69.00						
69.00	69.65						
69.65	69.92						
69.92	70.30						
70.30	70.90						
70.90	71.96						
71.96	72.96						
72.96	73.80						
73.80	74.50	Fault zone	cataclastic, brecciated,str, diss, veinlet	minor sulfide	chl, kspar, clays, qz, carb cpy, py		Fault zone: fragments, gouge and cataclastics of dark grey to dark greenishwith local dark pinkish medium-grained diorite with local str/diss cpy+py:
74.50	75.25						
75.25	76.00						
76.00	76.90						
76.90	77.60						
77.60	78.80						
78.80	79.04						
79.04	80.00						
80.00	80.85						
80.85	81.90						
81.90	82.08						
82.08	82.40						
82.40	82.90						(1) 77.60-78.80m: brecciated diorite with strong qz/carb alt'n (veinning) and local str py+cpy; (2) 78.80-80.00m: dark greenish cataclastic diorite with local str cpy+py; and (3) 80.85-81.90m: dark greenish cataclastic diorite with local gouge and str/diss cpy+py
82.90	83.85	diorite	veinlet		carb		grey to dark grey medium-grained diorite. Occ 1-2mm sized carb veinlets.
83.85	84.90						

09-SND-12							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
84.90	85.12						
85.12	85.55						
85.55	85.95	Small fault zone	veinlet, stockwork		chl, carb		Small fault zone: dark greenish cataclastic diorite with carb. Veinlet/stockworks
85.95	86.90	diorite					grey to dark grey medium-grained diorite.
86.90	87.80						
87.80	88.16	Small fault zone			chl, clays		Small fault zone: fragments of grey to dark greenish diorite with local gouge
88.16	89.40	diorite	veinlet		carb		grey to dark grey medium-grained diorit with local carb veinlets.
89.40	90.30						
90.30	91.20						
91.20	91.90						
91.90	92.65						
92.65	93.20	diorite	veinlet		kspar, carb		dark grey and dark pinkish diorite with local carb veinlets.
93.20	94.24						
		Fault zone	cataclastic, massive, veinlet	sulfide or minor sulfide	chl, clays, kspar, py, qz, carb, cpy		Fault zone: fragments of dark grey and dark pinkish diorite, cataclastic diorite, light to dark greenish gouge and fragments of light to dark greenish diorite. One significant cpy+py mineralization zone seen in this fault zone. 8 sub-units are in this fault zone:
94.24	94.70	clays, cataclastics	cataclastic		clays, chl		dark greenish with local pinkish gouge and fragments of cataclastics
94.70	95.90	diorite	massive	sulfide	kspar, py cpy		fragments of pinkish and dark grey medium-grained diorite with massive py +cpy.
95.90	96.30	clays			clays, chl		dark greenish gouge
96.30	97.28	diorite	massive	minor sulfide	minor kspar, py		dark grey with local light pinkish diorite and massive py. Broken core (only 50cm core)
97.28	98.80	diorite					fragments of dark grey diorite. Only 35cm core.
98.80	100.32	diorite			kspar		fragments of dark pinkish and dark grey diorite. Only 40cm core.
100.32	100.55						
100.55	101.50	cataclastic diorite, clays	cataclastic		chl, kspar, clays		dark greenish and pinkish cataclastic diorite and gouge. Only 70cm core
101.50	102.75	cataclastic diorite, diorite	cataclastic, veinlets		chl, kspar, qz, carb.		dark greenish cataclastic diorite with local dark pinkish diorite and qz/carb veinlets . 90cm core
102.75	103.36	diorite	veinlet, str, massive	minor sulfide	kspar, chl, ep, py+cpy		dark grey and dark pinkish with local dark greenish diorite . Chl+ep veinlets and str/veinlet/massive py+cpy seen locally (107.85-109.00m)
103.36	103.75						
103.75	104.50						
104.50	105.50						
105.50	106.40						
106.40	107.15						
107.15	107.85						
107.85	108.45						
108.45	109.00						
		Fault zone	cataclastic, massive, veinlet,	sulfide or minor sulfide	chl, kspar, py, clay, carb, cpy		Fault zone: fragments of dark geenish/dark pinkish diorite and cataclastic diorite with local massive/diss/str py+cpy, veined/veinlet

09-SND-12							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
			str, vein				carb and gouge. 7 sub-units are in this fault zone:
109.00	109.44	diorite	massive, str	sulfide	chl, py, cpy, kspar		fragments of dark greenish diorite with massive/str py+cpy and local pinkish diorite
109.44	109.55						
109.55	110.45	diorite			kspar, chl		frgments of dark pinkish and dark grennish medium-grained diorite.
110.45	111.35						
111.35	112.48						
112.48	113.00						
113.00	113.40	diorite	diss, massive	minor sulfide	chl, py, cpy		frgments of dark grennish diorite with local diss/massive py+cpy
113.40	114.00	diorite	massive	sulfide	chl, py, kspar, cpy		dark greenish with local pinkish diorite. Strong massive py+cpy mineralization, sulfide making up 2~5% .
114.00	114.35	diorite	cataclastic, veinlet, massive	minor sulfide	chl, carb, py+cpy		dark geenish cataclastics with local carb veinlets and massive py+cpy
114.35	114.65	diorite	vein	carb	carb		diorite with strong carb alt'n (veinning) and local dark diorite
114.65	115.40	cataclastic diorite, clays	cataclastic		chl, clays, kspar		dark geenish cataclastic diorite, gouge and fragments of dark greenish/pinkish diorite
115.40	115.52	diorite			chl, kspar		grey to dark grey with local dark greenish and pinkish medium-grained diorite. Heavily broken core locally.
115.52	116.00						
116.00	116.80						
116.80	117.50						
117.50	118.30						
118.30	118.56						
118.56	118.95						
118.95	119.65						
119.65	120.35	Fault zone	cataclastic, veinlet		chl, kspar, clays, carb		Fault zone: dark greenish cataclastic diorite with local dark pinkish cataclastic diorite, gouge, fragments and carb veinlets
120.35	121.00						
121.00	121.60						
121.6	121.75						
121.75	122.60						
122.60	123.60						
123.60	124.40						
124.40	124.64						
124.64	125.14						
125.14	126.00						
126.00	126.90						
126.90	127.68						
127.68	127.90						
127.90	128.90	diorite	veinlet		chl,kspar, carb		dark grey, dark greenish and dark pinkish medium-grained diorite with local carb veinlets.
128.90	129.65						
		diorite	veinlet/ str/ massive	sulfide	ksapr, chl, py+cpy, carb.		dark pinkish, dark grey with local dark greenish medium-grained diorite with local carb veinlets. Significant veinlet/str/massive py+cpy minerlaization seen in this unit:
129.65	130.62						dark pinkish diorite with sparsely str/veinlet py+cpy
130.62	130.72						dark pinkish and dark grey diorite with cpy+py veinlet/str

09-SND-12							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
130.72	130.90						
130.90	131.30						dark pinkish and dark grey diorite with massive/veinlet py+cpy and carb veinlets
131.30	132.56						dark pinkish and dark grey diorite with sparsely py+cpy veinlet/str
132.56	133.46						
133.46	133.76						
133.76	134.30						
134.30	134.85						grey to dark greenish fine-to medium-grained diorite with local carb veinlets
134.85	135.50						dark pinkish diorite with carb veinlets and local str/veinlet py+cpy
135.50	136.80	Fault zone	cataclastic, veinlet/str	oxide	clays, hem, kspar, chl, carb, ep		dark grey,grey, dark reddish gouge, cataclastics; pinkish/dark greenish cataclastics, gouge and diorite with local carb veinlets. Ep+chl str/veinlets seen in limited locations.
136.80	137.50						
137.50	138.15						
138.15	138.80						
138.80	139.50						
139.50	139.84						
139.84	140.40						
140.40	141.58						
141.58	142.28						
142.28	142.88	diorite	cataclastic	minor oxide	chl, kspar, hem		dark grey/dark greenish with local dark pinkish diorite. Cataclastic diorite and dark reddish gouge seen in limited locations.
142.88	143.03						
143.03	144.10						
144.10	145.00						
145.00	145.92						
145.92	147.10						
147.10	148.00						
148.00	148.96						
148.96	149.65						
149.65	150.60						
150.60	151.40						
151.40	151.85	Small fault zone	cataclastic		chl, kspar		Small fault zone: light greenish/pinkish and grey cataclastic diorite
151.85	152	diorite		minor oxide	chl, kspar, hem		dark greenish/pinkish and light reddish diorite
152	152.40						
152.40	153.90						
153.90	154.70	Small fault zone	cataclastic	minor oxide	kspar, hem		Small fault zone: fragments of dark pinkish cataclastic diorite and dark reddish diorite.
154.70	155.04	diorite			kspar, chl,carb		pinkish/light-dark greenish medium-grained diorite with local carb veinlets.
155.04	156.10						
156.10	157.40						
157.40	158.08	Fault zone	cataclastic, brecciated, massive/ veinlet/ stockwork		chl, kspar,clays, carb		Small fault zone: dark grey/dark greenish cataclastics, breccia and gouge; dark greenish/pinkish cataclastic diorite with massive/veinlet/stockwork carb. Sparsely str/veinlet py+cpy seen at 161.70-162.15m
158.08	158.50						
158.50	159.60						
159.60	160.30						

09-SND-12							
From (m)	**To (m)**	**Rock Type**	**Structures**	**Mineralization Type**	**Minerals**	**Mag. Susceptibility**	**Description**
160.30	161.12						
161.12	161.70						
161.70	162.15						
162.15	163.00	diorite	veinlet, str	minor sulfide	kspar, chl, py+cpy, carb		dark pinkish/dark greenish diorite with sparsely str/veinlet py+cpy and local carb veinlets.
163.00	164.16						
164.16	165.00						
165.00	166.00						
166.00	167.17	diorite	veinlet, str	minor sulfide	kspar, carb, py+cpy		dark grey with local dark pinkish medium-grained diorite and local carb veinlet. Sparsely str py+cpy seen locally at 166.00-167.17m
167.17	167.20						
167.2	167.95						
167.95	168.80						
168.80	169.60						
169.60	170.24						
170.24	EOH						

APPENDIX III - DRILL HOLE CORE ASSAYS

Tables presented in this appendix have been modified from the original to include sample intervals, maintain sample interval order and include fire assays results for Cu samples over 10,000ppm and select Zn samples over 10,000ppm.

08-SND-01 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092360 (Samples: 284198-284250); 2102603 (Sample: 284237 Cu)

08-SND-01 Re-Assay																			
Sample		From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	Metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	Ppm	%	%	%	ppm
284198	1/4 core	17.14	17.74	0.60	.3	2.42	6	10	73	<10	3.50	<1	15	41	632	3.80	.16	1.99	654
284199	1/4 core	38.10	38.40	0.30	.4	1.66	9	<5	57	<10	1.45	<1	16	44	1903	3.87	.14	1.25	421
284200	1/4 core	39.77	40.32	0.55	.2	2.23	5	9	52	<10	7.68	<1	18	25	64	4.60	.26	1.22	1118
284201	1/4 core	40.32	40.77	0.45	1.0	1.46	16	6	69	<10	6.38	<1	12	30	308	2.82	.25	.77	658
284202	1/4 core	42.47	42.92	0.45	.2	1.99	6	<5	64	<10	2.86	<1	17	39	825	4.62	.15	1.45	508
284203	1/4 core	44.70	45.00	0.30	.1	1.59	11	<5	122	<10	1.90	<1	15	41	423	3.98	.14	1.20	440
284204	1/4 core	45.00	46.27	1.27	.2	1.28	9	<5	62	<10	13.26	<1	13	18	133	2.42	.15	.91	1491
284205	1/4 core	46.27	46.82	0.55	.2	2.15	5	7	66	<10	6.11	<1	18	22	151	3.84	.21	1.13	824
284206	1/4 core	47.52	48.12	0.60	.3	1.77	16	<5	90	<10	1.62	<1	17	30	176	4.15	.19	1.32	441
284207	1/4 core	72.28	72.43	0.15	.1	2.26	27	6	54	<10	2.61	<1	24	50	34	3.75	.12	1.29	490
284208	1/4 core	78.58	78.73	0.15	.5	2.04	37	<5	9	<10	2.52	<1	140	67	194	8.15	.04	1.38	636
284209	1/4 core	80.00	80.20	0.20	.2	1.89	20	<5	38	<10	2.16	<1	37	61	151	2.70	.03	.99	508
284210	1/4 core	82.30	82.78	0.48	.1	1.77	5	<5	46	<10	1.71	<1	20	43	289	3.37	.08	1.39	627
284211	1/4 core	82.78	83.64	0.86	3.6	1.94	23	<5	9	<10	2.35	<1	289	40	7492	8.70	.03	1.36	753
284212	1/4 core	83.64	84.12	0.48	1.5	2.05	15	<5	9	<10	1.79	<1	55	65	3102	3.92	.04	1.38	787
284213	1/4 core	84.12	85.34	1.22	.2	1.68	12	<5	281	<10	.95	<1	19	31	582	3.60	.16	1.47	538
284214	1/4 core	100.20	101.19	0.99	.2	1.52	6	<5	6	<10	2.00	<1	20	59	96	1.76	.03	.93	640
284215	1/4 core	101.19	101.70	0.51	.1	1.38	5	<5	6	<10	2.96	<1	12	50	871	1.69	.02	.80	573
284216	1/4 core	105.10	105.28	0.18	.2	3.52	6	5	10	<10	7.40	<1	34	64	47	1.96	.01	.79	436
284217	1/4 core	105.28	106.14	0.86	.5	3.20	19	<5	1436	<10	6.96	<1	10	33	80	2.03	.06	.94	427
284218	1/4 core	136.20	137.16	0.96	.1	2.41	11	6	3022	<10	2.18	<1	16	39	424	3.71	.08	1.81	767
284219	1/4 core	137.16	138.00	0.84	.3	2.70	9	<5	467	<10	2.44	<1	21	29	368	4.34	.09	2.36	1016
284220	1/4 core	138.00	138.40	0.40	.4	3.25	7	<5	221	<10	2.40	<1	30	26	560	4.29	.16	2.89	1093
284221	1/4 core	138.40	138.75	0.35	.9	1.93	18	6	21	<10	3.32	<1	11	40	6978	3.22	.14	1.15	691
284222	1/4 core	138.75	139.20	0.45	.1	2.18	6	6	62	<10	2.22	<1	20	30	204	4.81	.13	1.00	573
284223	1/4 core	139.20	140.21	1.01	.2	.99	11	<5	28	<10	7.15	<1	16	14	97	3.64	.21	1.38	2340
284224	1/4 core	140.21	141.50	1.29	.2	1.90	15	6	31	<10	5.02	<1	23	17	388	4.86	.19	.43	1010
284225	1/4 core	141.50	142.46	0.96	.1	.76	6	<5	21	<10	10.88	<1	10	21	68	2.14	.29	.24	3365
284226	1/4 core	142.46	142.76	0.30	.3	3.60	5	8	>1000	<10	3.61	<1	42	80	185	5.71	.31	1.32	1050
284227	1/4 core	145.45	146.30	0.85	.1	1.96	23	<5	41	<10	2.28	<1	16	32	1306	2.71	.06	1.93	923
284228	1/4 core	152.40	152.90	0.50	.7	1.83	10	7	82	<10	2.30	<1	11	40	4612	3.34	.07	.81	366
284229	1/4 core	158.00	158.50	0.50	.1	2.24	25	<5	9	<10	2.29	<1	20	31	2353	2.22	.03	1.90	702
284230	1/4 core	158.50	160.44	1.94	.2	1.72	8	7	366	<10	2.22	<1	11	15	754	1.68	.05	1.44	548

08-SND-01 Re-Assay																			
Sample		From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	Metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	Ppm	%	%	%	ppm
284231	1/4 core	160.44	161.54	1.10	.5	2.28	9	<5	12	<10	2.22	<1	20	29	4456	2.78	.06	2.03	746
284232	1/4 core	161.54	162.96	1.42	.2	2.14	21	<5	21	<10	2.38	<1	17	22	2362	2.90	.04	1.88	698
284233	1/4 core	162.96	164.49	1.53	.4	1.96	10	<5	15	<10	2.09	<1	15	23	677	2.26	.03	1.63	580
284234	1/4 core	164.49	165.05	0.56	.1	1.86	6	<5	6	<10	2.26	<1	15	31	1901	2.10	.01	1.69	628
284235	1/4 core	165.05	167.35	2.30	2.1	1.77	20	<5	18	<10	2.74	<1	11	21	379	2.01	.06	1.58	637
284236	1/4 core	167.35	167.64	0.29	.2	2.21	25	<5	8	<10	2.27	<1	16	33	72	2.16	.02	1.72	579
284237	1/4 core	167.64	168.40	0.76	8.0	2.02	<5	<5	23	<10	2.75	<1	10	55	48500	7.14	.01	1.70	628
284238	1/4 core	168.40	169.54	1.14	.1	1.95	12	<5	21	<10	2.94	<1	15	21	434	2.28	.04	1.78	661
284239	1/4 core	169.54	170.14	0.60	.2	1.64	14	9	26	<10	1.96	<1	11	26	406	2.61	.05	1.08	402
284240	1/4 core	170.14	170.87	0.73	.1	2.50	6	15	44	<10	2.78	<1	18	29	1453	3.79	.03	1.35	569
284241	1/4 core	171.94	172.26	0.32	.2	1.76	27	11	75	<10	1.74	<1	12	34	1233	3.05	.05	.96	339
284242	1/4 core	182.88	183.60	0.72	.1	1.30	7	<5	10	<10	3.18	<1	7	30	175	1.30	.02	.93	409
284243	1/4 core	196.20	196.42	0.22	.2	1.64	6	<5	469	<10	1.35	<1	17	76	847	4.46	.35	1.12	232
284244	1/4 core	197.72	198.12	0.40	.2	1.47	8	8	399	<10	2.38	<1	6	18	6503	1.68	.06	.69	247
284245	1/4 core	202.29	202.57	0.28	.2	1.65	6	<5	8	<10	2.82	<1	9	33	931	1.42	.02	.84	324
284246	1/4 core	209.21	209.71	0.50	.1	2.07	31	<5	118	<10	5.80	<1	14	28	220	2.97	.12	1.43	648
284247	1/4 core	210.31	210.71	0.40	.2	2.49	7	6	59	<10	5.86	<1	16	32	249	3.35	.15	1.43	573
284248	1/4 core	222.15	222.62	0.47	.1	1.32	23	<5	18	<10	1.71	<1	11	33	1309	2.19	.06	1.26	534
284249	1/4 core	222.62	223.85	1.23	.6	1.62	9	<5	4	<10	2.00	<1	10	34	162	1.77	.04	1.41	570
284250	1/4 core	225.35	225.75	0.40	.1	1.66	5	<5	14	<10	3.66	<1	12	32	17	2.23	.08	1.38	730

08-SND-01 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092360 (Samples: 284198-284250)

08-SND-01 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	Metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
284198	1/4 core	17.14	17.74	0.60	2	.03	26	.14	7	.03	<2	<2	50	6	.09	<5	99	88	1
284199	1/4 core	38.10	38.40	0.30	4	.05	19	.13	8	.16	<2	<2	25	8	.22	<5	125	70	4
284200	1/4 core	39.77	40.32	0.55	4	.01	15	.12	6	.01	<2	<2	65	12	.01	<5	64	87	1
284201	1/4 core	40.32	40.77	0.45	5	.03	16	.13	4	.02	2	<2	67	5	.03	<5	70	53	2
284202	1/4 core	42.47	42.92	0.45	2	.04	20	.15	3	.16	<2	<2	43	8	.20	<5	136	55	6
284203	1/4 core	44.70	45.00	0.30	3	.05	19	.14	2	.05	6	<2	34	5	.17	<5	125	69	11
284204	1/4 core	45.00	46.27	1.27	1	.01	14	.08	5	.03	<2	<2	115	6	.02	<5	39	50	1
284205	1/4 core	46.27	46.82	0.55	2	.02	20	.13	3	.02	<2	<2	68	7	.02	<5	104	76	1

08-SND-01 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	Metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
284206	1/4 core	47.52	48.12	0.60	1	.04	17	.14	6	.22	<2	<2	37	8	.18	<5	172	61	1
284207	1/4 core	72.28	72.43	0.15	3	.06	20	.13	10	.53	<2	<2	81	6	.18	<5	135	56	6
284208	1/4 core	78.58	78.73	0.15	4	.02	23	.13	8	6.82	<2	<2	102	17	.13	<5	72	44	3
284209	1/4 core	80.00	80.20	0.20	20	.02	16	.14	5	.75	2	<2	144	6	.13	<5	74	37	1
284210	1/4 core	82.30	82.78	0.48	3	.04	16	.12	7	.13	<2	<2	69	8	.14	<5	129	55	1
284211	1/4 core	82.78	83.64	0.86	6	.01	27	.10	13	7.49	<2	<2	144	19	.06	<5	35	65	3
284212	1/4 core	83.64	84.12	0.48	18	.02	22	.11	9	1.71	<2	<2	172	6	.08	<5	49	77	1
284213	1/4 core	84.12	85.34	1.22	1	.05	18	.14	3	.10	3	<2	34	7	.17	<5	138	55	1
284214	1/4 core	100.20	101.19	0.99	2	.01	15	.09	8	.09	<2	<2	178	5	.08	<5	38	48	1
284215	1/4 core	101.19	101.70	0.51	3	.02	11	.08	5	.20	<2	<2	177	6	.09	<5	40	45	1
284216	1/4 core	105.10	105.28	0.18	4	.03	13	.10	8	.74	<2	<2	153	5	.08	<5	72	22	1
284217	1/4 core	105.28	106.14	0.86	2	.06	11	.08	3	.05	3	<2	157	6	.06	<5	94	26	1
284218	1/4 core	136.20	137.16	0.96	4	.08	21	.17	8	.08	6	<2	149	5	.07	<5	137	62	1
284219	1/4 core	137.16	138.00	0.84	5	.06	28	.17	10	.05	<2	<2	124	8	.05	<5	138	74	1
284220	1/4 core	138.00	138.40	0.40	1	.04	30	.16	14	.07	<2	<2	133	9	.01	<5	81	98	1
284221	1/4 core	138.40	138.75	0.35	2	.03	17	.13	10	.79	2	<2	210	7	.04	<5	69	62	2
284222	1/4 core	138.75	139.20	0.45	3	.08	24	.17	9	.04	<2	<2	130	8	.03	<5	153	72	1
284223	1/4 core	139.20	140.21	1.01	1	.03	16	.14	8	.11	8	<2	121	6	.02	<5	59	127	1
284224	1/4 core	140.21	141.50	1.29	3	.05	21	.18	8	.04	<2	<2	144	9	.02	<5	91	116	1
284225	1/4 core	141.50	142.46	0.96	1	.03	8	.14	5	.09	<2	<2	145	5	.01	<5	57	95	1
284226	1/4 core	142.46	142.76	0.30	2	.17	56	.24	10	.12	<2	<2	452	11	.07	<5	78	109	1
284227	1/4 core	145.45	146.30	0.85	1	.03	21	.19	13	.12	<2	<2	84	6	.08	<5	88	68	1
284228	1/4 core	152.40	152.90	0.50	2	.06	16	.19	2	.46	<2	<2	79	8	.10	<5	133	27	1
284229	1/4 core	158.00	158.50	0.50	3	.04	26	.18	5	.25	3	<2	108	6	.13	<5	83	64	1
284230	1/4 core	158.50	160.44	1.94	1	.05	17	.20	6	.09	<2	<2	83	5	.09	<5	66	44	1
284231	1/4 core	160.44	161.54	1.10	2	.02	25	.18	5	.38	<2	<2	124	6	.08	<5	64	59	3
284232	1/4 core	161.54	162.96	1.42	1	.04	19	.22	3	.22	3	<2	70	5	.09	<5	94	51	1
284233	1/4 core	162.96	164.49	1.53	2	.02	23	.21	7	.05	<2	<2	98	6	.08	<5	75	45	1
284234	1/4 core	164.49	165.05	0.56	1	.02	24	.17	2	.18	3	<2	91	7	.09	<5	61	52	1
284235	1/4 core	165.05	167.35	2.30	2	.04	18	.20	3	.04	<2	<2	70	5	.08	<5	91	35	1
284236	1/4 core	167.35	167.64	0.29	1	.02	25	.17	5	.01	<2	<2	159	6	.10	<5	57	48	1
284237	1/4 core	167.64	168.40	0.76	2	.01	30	.10	2	3.84	<2	<2	120	5	.01	<5	52	54	5
284238	1/4 core	168.40	169.54	1.14	1	.02	26	.17	10	.04	3	<2	120	6	.07	<5	69	47	1
284239	1/4 core	169.54	170.14	0.60	1	.05	17	.20	3	.04	<2	<2	76	6	.10	<5	117	27	1
284240	1/4 core	170.14	170.87	0.73	3	.04	22	.22	2	.15	<2	<2	96	10	.09	<5	159	39	1
284241	1/4 core	171.94	172.26	0.32	2	.06	17	.19	6	.13	<2	<2	65	11	.11	<5	134	25	1
284242	1/4 core	182.88	183.60	0.72	1	.02	19	.16	3	.02	<2	<2	148	5	.10	<5	77	37	1

08-SND-01 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	Metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
284243	1/4 core	196.20	196.42	0.22	6	.09	24	.17	5	.20	<2	<2	163	10	.21	<5	215	35	1
284244	1/4 core	197.72	198.12	0.40	10	.07	11	.17	14	.69	<2	<2	241	6	.09	<5	75	13	1
284245	1/4 core	202.29	202.57	0.28	3	.04	14	.18	6	.11	<2	<2	99	6	.08	<5	62	16	21
284246	1/4 core	209.21	209.71	0.50	2	.03	20	.14	7	.02	3	<2	123	7	.01	<5	85	40	1
284247	1/4 core	210.31	210.71	0.40	3	.02	16	.14	3	.03	<2	<2	129	5	.02	<5	82	43	2
284248	1/4 core	222.15	222.62	0.47	5	.04	16	.16	8	.12	<2	<2	36	6	.06	<5	78	44	2
284249	1/4 core	222.62	223.85	1.23	1	.02	17	.13	22	.02	<2	<2	120	5	.07	<5	51	68	1
284250	1/4 core	225.35	225.75	0.40	2	.05	24	.15	6	.01	<2	<2	76	6	.02	<5	73	73	1

08-SND-02 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092314 (Samples: 284011-284042)

08-SND-02 Re-Assay																			
Sample		From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	Metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	Ppm	%	%	%	Ppm
284011	1/4 core	13.74	14.24	0.50	.1	2.31	<5	<5	8	<10	1.80	<1	33	40	728	3.04	.03	2.63	1258
284012	1/4 core	14.24	15.24	1.00	.1	1.92	11	<5	10	<10	2.09	<1	38	45	19	3.51	.06	1.53	1154
284013	1/4 core	21.34	22.34	1.00	.2	1.28	<5	5	34	<10	2.24	<1	13	39	666	3.26	.11	1.25	1107
284014	1/4 core	24.30	25.30	1.00	.3	1.65	<5	6	18	<10	3.27	<1	53	36	326	4.08	.07	1.58	1091
284015	1/4 core	26.63	26.83	0.20	.1	1.17	6	9	18	<10	2.48	<1	23	35	52	1.28	.07	.58	281
284016	1/4 core	30.26	31.13	0.87	.2	1.90	16	9	24	<10	2.93	<1	120	42	375	2.89	.06	1.27	480
284017	1/4 core	32.23	32.83	0.60	.1	1.39	<5	11	30	<10	2.06	<1	83	23	574	1.32	.06	.77	249
284018	1/4 core	32.83	33.53	0.70	.2	1.62	12	9	104	<10	2.11	<1	19	31	377	1.87	.06	1.01	378
284019	1/4 core	33.53	34.28	0.75	.4	1.31	15	8	81	<10	2.38	<1	162	22	1453	2.20	.05	1.02	350
284020	1/4 core	34.28	34.98	0.70	.1	1.70	6	10	25	<10	2.70	<1	23	27	306	1.61	.07	1.36	526
284021	1/4 core	36.08	37.05	0.97	.1	1.32	5	13	54	<10	1.90	<1	7	17	395	.87	.06	.72	230
284022	1/4 core	37.05	37.95	0.90	.2	1.56	12	9	28	<10	1.73	<1	46	14	1013	1.96	.05	1.28	382
284023	1/4 core	37.95	39.00	1.05	2.6	1.62	18	<5	17	<10	4.26	<1	158	25	1182	2.88	.04	1.47	596
284024	1/4 core	40.20	40.70	0.50	.3	1.48	11	7	22	<10	1.93	<1	62	35	991	2.48	.05	1.09	344
284025	1/4 core	50.62	51.20	0.58	.1	1.09	11	6	125	<10	1.48	<1	15	18	575	3.10	.08	.75	201
284026	1/4 core	51.20	52.40	1.20	.2	1.19	7	7	54	<10	1.68	<1	8	15	677	2.58	.05	.76	203
284027	1/4 core	52.40	53.10	0.70	.1	1.56	9	7	45	<10	2.72	<1	16	16	1540	1.95	.04	1.15	369
284028	1/4 core	53.10	53.90	0.80	.3	1.64	6	9	164	<10	1.97	<1	14	20	825	2.51	.04	1.30	371
284029	1/4 core	53.90	54.86	0.96	.1	1.37	<5	6	30	<10	1.87	<1	18	16	616	2.09	.04	1.25	362
284030	1/4 core	54.86	56.02	1.16	.3	1.40	<5	5	42	<10	1.65	<1	19	17	1037	2.06	.04	1.19	389
284031	1/4 core	56.02	57.18	1.16	.1	1.33	8	9	19	<10	1.86	<1	17	16	868	1.70	.04	1.11	351
284032	1/4 core	57.18	58.21	1.03	.2	1.10	17	5	26	<10	4.63	<1	40	17	1391	2.35	<0.01	.62	315
284033	1/4 core	58.21	59.30	1.09	.1	1.54	7	8	122	<10	1.88	<1	16	11	974	2.07	.04	1.53	428
284034	1/4 core	82.30	82.80	0.50	.2	1.79	<5	6	257	<10	3.01	<1	19	10	1359	3.80	.04	1.28	561
284035	1/4 core	172.40	172.94	0.54	.1	.81	<5	<5	21	<10	1.78	<1	6	59	1450	1.12	.03	.70	385
284036	1/4 core	172.94	173.74	0.80	2.8	.65	<5	<5	8	<10	1.87	<1	4	62	2860	1.06	.04	.51	450
284037	1/4 core	180.95	181.15	0.20	.1	.72	<5	<5	8	<10	.86	<1	6	99	59	1.03	.03	.54	384
284038	1/4 core	206.40	207.26	0.86	.2	1.78	8	<5	20	<10	6.24	<1	19	39	45	4.21	.28	1.01	1544
284039	1/4 core	207.26	208.60	1.34	.1	1.03	9	<5	350	<10	1.97	<1	12	53	207	1.74	.06	.83	581
284040	1/4 core	208.60	209.40	0.80	.3	1.68	5	<5	384	<10	2.14	<1	17	76	59	3.90	.41	2.14	430
284041	1/4 core	211.36	211.66	0.30	.1	1.57	8	<5	1415	<10	2.78	<1	14	70	65	2.75	.30	1.41	537
284042	1/4 core	222.50	223.10	0.60	.2	1.29	10	6	2364	<10	4.70	<1	10	41	158	1.95	.21	.84	621

08-SND-02 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092314 (Samples: 284011-284042)

08-SND-02 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	Metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
284011	1/4 core	13.74	14.24	0.50	9	.01	35	.19	21	.21	<2	<2	62	<5	.05	<5	56	200	1
284012	1/4 core	14.24	15.24	1.00	5	.02	19	.15	9	1.50	<2	<2	126	9	.04	<5	42	192	4
284013	1/4 core	21.34	22.34	1.00	5	.04	20	.23	15	.14	<2	<2	40	7	.07	<5	108	118	5
284014	1/4 core	24.30	25.30	1.00	8	.03	27	.22	16	.85	3	<2	56	9	.06	<5	107	107	2
284015	1/4 core	26.63	26.83	0.20	2	.07	10	.19	20	.48	2	<2	102	<5	.10	<5	49	21	1
284016	1/4 core	30.26	31.13	0.87	2	.06	20	.18	10	1.16	<2	<2	93	<5	.07	<5	77	31	1
284017	1/4 core	32.23	32.83	0.60	1	.05	12	.21	6	.58	3	<2	60	<5	.08	<5	48	16	1
284018	1/4 core	32.83	33.53	0.70	2	.04	14	.20	8	.14	<2	<2	66	6	.07	<5	73	26	1
284019	1/4 core	33.53	34.28	0.75	3	.04	20	.18	12	1.75	<2	<2	64	<5	.06	<5	38	29	1
284020	1/4 core	34.28	34.98	0.70	1	.03	17	.20	9	.14	<2	<2	64	5	.05	<5	60	43	2
284021	1/4 core	36.08	37.05	0.97	2	.05	7	.28	6	.07	<2	<2	59	<5	.07	<5	39	20	1
284022	1/4 core	37.05	37.95	0.90	2	.04	12	.33	5	.42	2	<2	69	8	.05	<5	54	29	1
284023	1/4 core	37.95	39.00	1.05	3	.05	19	.30	10	1.73	<2	<2	137	7	.06	<5	47	111	1
284024	1/4 core	40.20	40.70	0.50	1	.03	14	.29	5	.51	3	<2	76	7	.08	<5	79	36	13
284025	1/4 core	50.62	51.20	0.58	3	.06	9	.36	4	.16	<2	<2	73	8	.09	<5	104	20	2
284026	1/4 core	51.20	52.40	1.20	1	.06	8	.37	5	.10	<2	<2	75	<5	.06	<5	85	17	4
284027	1/4 core	52.40	53.10	0.70	1	.05	9	.33	4	.43	2	<2	132	<5	.04	<5	47	25	2
284028	1/4 core	53.10	53.90	0.80	3	.06	12	.35	7	.19	<2	<2	117	<5	.07	<5	70	32	2
284029	1/4 core	53.90	54.86	0.96	1	.04	12	.34	4	.26	<2	<2	95	<5	.06	<5	52	27	1
284030	1/4 core	54.86	56.02	1.16	1	.04	13	.36	4	.30	<2	<2	104	<5	.08	<5	55	37	1
284031	1/4 core	56.02	57.18	1.16	9	.05	11	.35	5	.38	<2	<2	85	<5	.07	<5	47	29	1
284032	1/4 core	57.18	58.21	1.03	2	.02	13	.31	9	2.05	<2	<2	174	<5	.06	<5	32	15	1
284033	1/4 core	58.21	59.30	1.09	1	.04	11	.38	7	.27	<2	<2	76	5	.07	<5	60	28	1
284034	1/4 core	82.30	82.80	0.50	1	.08	15	.37	4	.18	<2	<2	292	8	.03	<5	112	42	3
284035	1/4 core	172.40	172.94	0.54	23	.04	11	.08	4	.17	<2	<2	58	<5	.04	<5	32	27	15
284036	1/4 core	172.94	173.74	0.80	15	.05	10	.07	7	.25	3	<2	45	<5	.02	<5	27	48	1
284037	1/4 core	180.95	181.15	0.20	378	.07	9	.06	5	.04	<2	<2	36	<5	.05	<5	21	31	3
284038	1/4 core	206.40	207.26	0.86	23	.04	17	.07	9	.02	<2	<2	120	<5	.01	<5	41	92	5
284039	1/4 core	207.26	208.60	1.34	28	.03	15	.06	4	.06	<2	<2	61	<5	.01	<5	28	32	195
284040	1/4 core	208.60	209.40	0.80	2	.19	46	.36	11	.05	<2	<2	383	8	.16	<5	102	97	2
284041	1/4 core	211.36	211.66	0.30	3	.18	34	.27	6	.12	<2	<2	377	<5	.10	<5	77	60	120
284042	1/4 core	222.50	223.10	0.60	3	.17	21	.22	15	.09	3	<2	491	<5	.05	<5	51	56	175

08-SND-03 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092339 (Samples: 284110-284133; 284135-284151); 2102603 (Sample: 284117 Cu)

08-SND-03 Re-Assay																			
Sample		From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	Metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	Ppm	%	%	%	Ppm
284110	1/4 core	7.50	7.85	0.35	.1	1.96	<5	<5	8	<10	2.02	<1	26	44	1025	3.37	.03	1.94	1078
284111	1/4 core	14.53	14.73	0.20	.3	1.35	5	6	35	<10	2.12	<1	137	36	369	4.54	.09	.91	575
284112	1/4 core	15.10	16.00	0.90	.1	1.49	<5	6	31	<10	1.72	<1	26	25	504	3.58	.05	.97	440
284113	1/4 core	16.00	16.75	0.75	.1	1.55	6	<5	97	<10	1.88	<1	266	24	1980	3.62	.03	.91	266
284114	1/4 core	22.10	22.50	0.40	.1	1.59	36	8	96	<10	1.90	<1	273	25	1825	3.66	.03	.92	271
284115	1/4 core	22.50	23.17	0.67	.1	1.66	10	9	184	<10	1.90	<1	52	21	910	1.34	.05	.89	222
284116	1/4 core	23.17	23.77	0.60	.4	1.47	12	7	285	<10	1.90	<1	86	22	1905	2.59	.05	.93	367
284117	1/4 core	26.47	26.82	0.35	1.6	1.57	13	<5	173	<10	3.21	<1	18	23	13300	2.98	.03	1.05	642
284118	1/4 core	29.87	30.47	0.60	.9	1.92	12	<5	10	<10	1.35	<1	30	13	5990	2.38	.03	1.33	793
284119	1/4 core	31.92	32.92	1.00	.1	1.39	16	7	50	<10	1.77	<1	16	26	610	2.40	.10	1.08	596
284120	1/4 core	33.32	33.66	0.34	1.1	1.25	8	<5	79	<10	2.02	<1	34	21	4952	2.08	.03	1.01	562
284121	1/4 core	37.05	38.05	1.00	.1	1.31	10	7	24	<10	2.02	<1	16	17	474	1.30	.09	1.08	662
284122	1/4 core	38.05	38.78	0.73	.1	1.10	9	8	23	<10	1.74	<1	12	15	424	.79	.11	.71	410
284123	1/4 core	38.78	39.61	0.83	1.3	1.25	9	6	18	<10	1.97	<1	87	18	5262	1.91	.07	.83	474
284124	1/4 core	39.61	40.28	0.67	.1	1.34	11	6	39	<10	2.70	<1	35	22	120	1.49	.05	1.04	649
284125	1/4 core	40.28	41.28	1.00	.1	1.59	<5	5	150	<10	1.71	<1	17	16	425	2.81	.09	1.23	607
284126	1/4 core	41.28	42.06	0.78	.3	1.90	14	6	70	<10	2.20	<1	47	22	771	3.52	.05	1.54	683
284127	1/4 core	42.06	43.01	0.95	.1	1.60	<5	9	43	<10	1.89	<1	16	19	519	2.49	.07	1.22	378
284128	1/4 core	43.01	43.90	0.89	.1	1.63	22	8	790	<10	2.47	<1	20	25	743	1.46	.05	1.06	465
284129	1/4 core	43.90	44.91	1.01	.3	1.48	18	8	262	<10	1.92	<1	26	21	2490	2.19	.05	.97	362
284130	1/4 core	44.91	45.81	0.90	.1	1.05	5	5	45	<10	1.31	<1	12	27	426	2.89	.08	.97	466
284131	1/4 core	45.81	46.74	0.93	.1	1.03	<5	6	15	<10	4.03	<1	22	31	205	1.60	.06	.93	956
284132	1/4 core	46.74	47.46	0.72	.1	.95	11	7	11	<10	3.07	<1	23	37	1310	1.69	.07	.93	813
284133	1/4 core	47.46	48.16	0.70	.1	1.09	25	5	28	<10	2.07	<1	16	39	355	2.36	.09	1.14	775
284151	1/4 core	48.16	49.63	1.47	.1	.69	<5	5	12	<10	1.58	<1	15	24	1625	1.12	.08	.73	518
284135	1/4 core	49.63	50.86	1.23	.1	.81	<5	7	15	<10	1.31	<1	13	25	657	1.09	.09	.81	548
284136	1/4 core	50.86	51.21	0.35	.2	1.01	14	6	15	<10	1.18	<1	61	28	1290	1.75	.06	.94	451
284137	1/4 core	51.21	52.50	1.29	.1	1.47	10	8	21	<10	2.19	<1	29	18	558	1.22	.05	.90	301
284138	1/4 core	52.50	53.61	1.11	.1	1.62	22	7	26	<10	1.77	<1	20	20	306	1.98	.08	1.76	1089
284139	1/4 core	53.61	54.25	0.64	1.3	1.51	25	<5	50	<10	1.58	<1	31	15	6710	3.24	.01	1.76	890
284140	1/4 core	54.25	55.45	1.20	.3	1.68	8	<5	68	<10	2.00	<1	19	25	1925	2.50	.05	1.97	972
284141	1/4 core	55.45	56.55	1.10	.1	1.35	<5	6	20	<10	2.69	<1	11	20	1095	2.03	.08	1.47	845
284142	1/4 core	56.55	57.30	0.75	.1	.77	5	<5	18	<10	3.03	<1	10	42	796	1.31	.07	.64	517
284143	1/4 core	57.30	57.90	0.60	.1	.52	60	6	14	<10	2.54	<1	5	48	349	.93	.12	.33	328

08-SND-03 Re-Assay																			
Sample		From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	Metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	Ppm	%	%	%	Ppm
284144	1/4 core	57.90	58.60	0.70	.1	.47	33	5	13	<10	1.67	<1	4	42	366	.91	.05	.44	228
284145	1/4 core	68.89	69.49	0.60	.3	.99	7	<5	9	<10	1.33	<1	7	64	3210	1.86	.10	.60	478
284146	1/4 core	89.50	90.83	1.33	.1	.34	12	6	227	<10	1.40	<1	5	65	1060	.94	.10	.23	339
284147	1/4 core	93.88	94.85	0.97	.1	.41	<5	<5	15	<10	1.59	<1	4	70	244	.95	.15	.17	415
284148	1/4 core	114.21	115.21	1.00	.1	.51	<5	<5	24	<10	1.31	<1	5	63	261	1.03	.09	.41	436
284149	1/4 core	118.26	119.26	1.00	.1	.74	5	<5	121	<10	1.21	<1	4	57	42	1.46	.11	.55	421
284150	1/4 core	123.28	124.36	1.08	.1	.71	6	<5	21	<10	1.08	<1	5	49	870	1.09	.11	.44	380

08-SND-03 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092339 (Samples: 284110-284133; 284135-284151)

08-SND-03 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	Metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
284110	1/4 core	7.50	7.85	0.35	4	.02	26	.19	29	.24	<2	<2	65	5	.06	<5	64	147	6
284111	1/4 core	14.53	14.73	0.20	13	.05	16	.18	12	1.57	<2	<2	42	7	.06	<5	107	43	1
284112	1/4 core	15.10	16.00	0.90	6	.03	15	.22	9	.38	<2	<2	41	<5	.06	<5	108	32	1
284113	1/4 core	16.00	16.75	0.75	52	.04	18	.21	8	2.43	<2	<2	67	7	.07	<5	58	20	1
284114	1/4 core	22.10	22.50	0.40	55	.04	17	.23	6	2.47	<2	<2	68	<5	.07	<5	59	20	8
284115	1/4 core	22.50	23.17	0.67	6	.07	11	.27	15	.36	<2	<2	107	<5	.07	<5	50	20	1
284116	1/4 core	23.17	23.77	0.60	3	.04	14	.28	40	.74	<2	<2	72	<5	.07	<5	83	86	1
284117	1/4 core	26.47	26.82	0.35	3	.02	10	.27	80	1.12	<2	<2	143	5	.07	<5	62	231	2
284118	1/4 core	29.87	30.47	0.60	26	.02	12	.16	9	.48	<2	<2	80	<5	.02	<5	36	108	3
284119	1/4 core	31.92	32.92	1.00	2	.04	11	.26	14	.11	<2	<2	58	<5	.06	<5	88	58	2
284120	1/4 core	33.32	33.66	0.34	2	.03	9	.23	52	.87	<2	<2	68	<5	.07	<5	50	96	1
284121	1/4 core	37.05	38.05	1.00	53	.04	9	.32	14	.14	<2	<2	49	<5	.08	<5	56	78	1
284122	1/4 core	38.05	38.78	0.73	9	.03	7	.32	19	.18	<2	<2	40	<5	.07	<5	39	55	1
284123	1/4 core	38.78	39.61	0.83	9	.03	10	.36	25	1.14	<2	<2	43	7	.07	<5	40	67	1
284124	1/4 core	39.61	40.28	0.67	2	.04	9	.31	24	.37	<2	<2	115	<5	.09	<5	45	111	2
284125	1/4 core	40.28	41.28	1.00	3	.05	7	.32	15	.12	<2	<2	85	10	.09	<5	110	51	1
284126	1/4 core	41.28	42.06	0.78	2	.03	13	.28	24	1.05	<2	<2	90	<5	.08	<5	96	98	1
284127	1/4 core	42.06	43.01	0.95	3	.04	9	.26	8	.13	2	<2	70	<5	.09	<5	102	31	1
284128	1/4 core	43.01	43.90	0.89	2	.03	10	.21	15	.26	<2	<2	88	<5	.06	<5	62	48	1
284129	1/4 core	43.90	44.91	1.01	3	.04	11	.20	13	.77	<2	<2	53	6	.07	<5	74	33	1
284130	1/4 core	44.91	45.81	0.90	2	.07	12	.11	11	.07	<2	<2	45	10	.09	<5	131	35	2
284131	1/4 core	45.81	46.74	0.93	1	.03	13	.20	17	.39	4	<2	56	<5	.09	<5	84	74	1
284132	1/4 core	46.74	47.46	0.72	3	.04	16	.20	16	.51	<2	<2	49	<5	.09	<5	80	65	1
284133	1/4 core	47.46	48.16	0.70	2	.03	16	.20	17	.13	<2	<2	31	<5	.12	<5	100	79	1
284151	1/4 core	48.16	49.63	1.47	2	.03	9	.20	24	.46	<2	<2	28	<5	.07	<5	51	59	1
284135	1/4 core	49.63	50.86	1.23	11	.04	9	.19	22	.24	<2	<2	35	<5	.07	<5	46	58	2
284136	1/4 core	50.86	51.21	0.35	4	.03	14	.22	25	.96	3	<2	48	<5	.06	<5	42	36	1
284137	1/4 core	51.21	52.50	1.29	6	.04	10	.24	14	.60	<2	<2	45	<5	.07	<5	43	22	1
284138	1/4 core	52.50	53.61	1.11	2	.04	14	.17	20	.14	<2	<2	46	<5	.07	<5	79	122	32
284139	1/4 core	53.61	54.25	0.64	3	.02	21	.11	13	1.37	<2	<2	66	6	.09	<5	66	74	7
284140	1/4 core	54.25	55.45	1.20	2	.03	19	.21	28	.24	<2	<2	68	<5	.09	<5	74	138	2
284141	1/4 core	55.45	56.55	1.10	1	.03	15	.23	22	.13	<2	<2	56	<5	.07	<5	75	87	13
284142	1/4 core	56.55	57.30	0.75	8	.04	10	.12	10	.26	<2	<2	55	<5	.01	<5	48	39	1
284143	1/4 core	57.30	57.90	0.60	24	.03	5	.08	4	.04	22	<2	81	<5	.01	<5	12	33	1

08-SND-03 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	Metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
284144	1/4 core	57.90	58.60	0.70	16	.05	7	.09	6	.05	12	<2	43	<5	.01	<5	29	20	1
284145	1/4 core	68.89	69.49	0.60	17	.02	6	.07	131	.35	<2	<2	61	<5	.02	<5	40	53	23
284146	1/4 core	89.50	90.83	1.33	5	.04	4	.06	6	.13	<2	<2	25	<5	.01	<5	12	23	1
284147	1/4 core	93.88	94.85	0.97	4	.03	4	.06	5	.03	<2	<2	34	<5	.01	<5	11	22	1
284148	1/4 core	114.21	115.21	1.00	3	.05	5	.07	6	.03	<2	<2	23	<5	.01	<5	13	37	1
284149	1/4 core	118.26	119.26	1.00	3	.05	5	.08	5	.01	<2	<2	37	<5	.01	<5	26	28	2
284150	1/4 core	123.28	124.36	1.08	11	.04	6	.07	7	.10	<2	<2	38	<5	.01	<5	17	46	1

08-SND-04 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092339 (Samples: 284043-284109); 2102603 (Sample: 284057; 284064; 284076)

08-SND-04 Re-Assay																			
Sample		From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		m	M	m	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	Ppm	%	%	%	Ppm
284043	1/4 core	8.00	8.20	0.20	.1	1.80	9	11	54	<10	1.84	<1	15	35	1510	2.84	.07	1.11	510
284044	1/4 core	10.90	11.15	0.25	.2	1.45	28	7	29	<10	1.46	<1	19	34	2281	3.01	.09	1.05	443
284045	1/4 core	12.10	13.00	0.90	.1	1.50	24	<5	101	<10	1.55	<1	28	25	615	2.87	.07	1.02	472
284046	1/4 core	13.00	13.95	0.95	.1	1.42	20	6	190	<10	1.36	<1	15	43	468	3.93	.06	1.11	454
284047	1/4 core	15.10	16.40	1.30	.1	1.74	<5	7	45	<10	4.69	<1	28	24	209	3.80	.13	1.50	1021
284048	1/4 core	16.40	17.68	1.28	.1	1.51	<5	<5	52	<10	3.54	<1	31	26	561	3.52	.09	1.98	1290
284049	1/4 core	17.68	18.30	0.62	.1	1.53	<5	<5	404	<10	2.44	<1	36	37	304	3.80	.08	1.56	954
284050	1/4 core	18.30	19.00	0.70	.1	1.32	14	<5	24	<10	1.80	<1	18	32	288	3.36	.09	1.25	750
284051	1/4 core	19.00	19.70	0.70	.1	1.46	12	<5	13	<10	2.91	<1	51	36	348	3.30	.06	1.63	1023
284052	1/4 core	19.70	20.50	0.80	.2	1.62	17	<5	8	<10	1.69	<1	26	43	1690	2.65	.03	2.09	1004
284053	1/4 core	20.50	21.10	0.60	.7	1.53	23	<5	11	<10	2.37	<1	17	40	6520	2.78	.06	1.80	972
284054	1/4 core	21.10	21.80	0.70	.1	1.21	18	6	23	<10	2.25	<1	10	33	293	2.52	.10	1.27	790
284055	1/4 core	26.52	27.15	0.63	.1	1.81	<5	7	42	<10	1.95	<1	15	33	950	2.85	.06	1.21	320
284056	1/4 core	27.15	27.57	0.42	.1	1.41	9	6	14	<10	1.55	<1	25	34	920	2.11	.03	1.29	352
284057	1/4 core	27.57	27.77	0.20	1.0	1.10	<5	<5	22	<10	1.70	<1	11	20	47900	.88	.01	.77	451
284058	1/4 core	27.77	28.60	0.83	.7	1.75	<5	<5	189	<10	2.28	<1	21	25	6150	2.19	.03	1.13	303
284059	1/4 core	28.60	29.25	0.65	.1	2.27	<5	8	341	<10	2.95	<1	47	36	820	2.00	.01	1.32	343
284060	1/4 core	30.33	31.05	0.72	.3	1.50	<5	6	42	<10	1.80	<1	50	37	1680	2.51	.02	1.32	394
284061	1/4 core	34.70	35.97	1.27	.1	1.31	15	7	53	<10	1.57	<1	11	29	1040	2.40	.06	1.01	361
284062	1/4 core	35.97	36.50	0.53	1.2	1.52	<5	<5	80	<10	1.74	<1	30	28	6020	3.41	.03	1.82	785
284063	1/4 core	36.50	36.88	0.38	.1	1.53	12	<5	20	<10	.77	<1	18	24	736	4.14	.08	1.79	627
284064	1/4 core	36.88	37.15	0.27	6.9	1.15	15	<5	19	<10	2.53	<1	25	32	31800	5.26	.02	1.17	463
284065	1/4 core	37.15	37.85	0.70	1.2	1.57	<5	5	61	<10	1.70	<1	14	29	4810	3.00	.06	1.35	473
284066	1/4 core	37.85	39.01	1.16	.1	1.75	13	8	274	<10	1.98	<1	12	30	920	3.38	.05	1.52	515
284067	1/4 core	45.60	46.35	0.75	.1	1.29	<5	<5	61	<10	2.04	<1	19	19	830	1.95	.07	1.61	728
284068	1/4 core	54.00	55.00	1.00	.1	1.56	<5	6	46	<10	2.17	<1	36	36	2710	3.33	.06	1.55	711
284069	1/4 core	55.00	55.90	0.90	.1	1.51	9	5	24	<10	1.60	<1	35	32	977	4.09	.06	1.52	556
284070	1/4 core	55.90	56.30	0.40	.1	2.05	14	8	183	<10	2.42	<1	19	93	60	3.95	.22	2.74	608
284071	1/4 core	58.50	59.40	0.90	.1	1.15	20	6	28	<10	1.85	<1	10	28	520	1.38	.08	1.23	366
284072	1/4 core	59.40	60.20	0.80	.1	1.17	24	7	20	<10	1.85	<1	15	30	360	2.66	.06	1.29	459
284073	1/4 core	60.20	60.66	0.46	.1	1.10	17	6	24	<10	2.11	<1	12	24	1270	2.01	.05	1.31	367
284074	1/4 core	60.66	60.96	0.30	1.0	1.16	21	8	23	<10	3.03	<1	24	23	7520	2.22	.03	1.19	466
284075	1/4 core	60.96	61.80	0.84	.1	1.07	<5	5	18	<10	4.05	<1	9	19	1330	1.31	.05	1.08	487
284076	1/4 core	61.80	62.15	0.35	2.8	1.03	11	<5	18	<10	2.79	<1	16	37	17000	2.95	.03	.96	339

08-SND-04 Re-Assay																			
Sample		From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		m	M	m	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	Ppm	%	%	%	Ppm
284077	1/4 core	62.15	63.00	0.85	.1	.48	13	<5	9	<10	1.49	<1	5	55	890	.73	.04	.46	219
284078	1/4 core	63.00	63.80	0.80	.1	.52	<5	<5	11	<10	1.48	<1	10	56	1576	.88	.03	.53	199
284079	1/4 core	63.80	64.50	0.70	.1	.57	<5	<5	10	<10	1.10	<1	8	65	371	.85	.03	.56	189
284080	1/4 core	64.50	65.10	0.60	.5	.46	6	<5	18	<10	2.05	<1	9	39	5118	1.28	.02	.35	253
284081	1/4 core	65.10	66.15	1.05	.1	.42	5	<5	14	<10	1.93	<1	10	68	582	.63	.04	.27	216
284082	1/4 core	66.15	67.15	1.00	.1	.53	11	6	18	<10	1.83	<1	9	56	1528	.83	.04	.46	223
284083	1/4 core	84.73	85.69	0.96	.1	1.07	7	6	21	<10	5.13	<1	35	24	1862	5.52	.23	1.53	1760
284084	1/4 core	85.69	86.65	0.96	.8	.76	6	7	23	<10	5.26	<1	18	25	1450	3.60	.25	.62	1317
284085	1/4 core	114.40	115.21	0.81	.6	.75	<5	<5	1321	<10	6.07	<1	15	34	1649	3.36	.23	.39	1738
284086	1/4 core	115.21	115.80	0.59	.4	.67	<5	7	594	<10	6.42	<1	14	38	1280	3.41	.28	.33	1788
284087	1/4 core	124.36	124.95	0.59	1.0	.67	<5	6	99	<10	7.47	<1	17	43	2231	3.08	.26	.38	1821
284088	1/4 core	124.95	125.55	0.60	.2	.90	<5	6	567	<10	5.74	<1	15	54	746	3.34	.26	.61	1546
284089	1/4 core	125.55	126.11	0.56	.1	.78	<5	7	109	<10	5.73	<1	12	44	650	2.77	.27	.38	1280
284090	1/4 core	126.11	127.00	0.89	.1	1.35	<5	6	245	<10	5.65	<1	18	50	1331	4.32	.28	.81	1519
284091	1/4 core	127.00	128.20	1.20	.9	1.23	18	<5	167	<10	5.04	<1	17	48	7410	4.10	.19	.97	1439
284092	1/4 core	128.20	128.80	0.60	.1	1.35	14	9	42	<10	5.20	<1	23	29	390	5.86	.26	.71	1268
284093	1/4 core	128.80	129.40	0.60	.1	1.33	<5	10	43	<10	5.56	<1	21	28	405	5.64	.28	.68	1436
284094	1/4 core	129.40	130.10	0.70	.2	.64	8	6	64	<10	7.87	<1	13	33	1080	3.55	.25	.33	1806
284095	1/4 core	130.10	130.45	0.35	.3	.60	10	7	44	<10	7.44	<1	15	27	972	3.95	.27	.32	1797
284096	1/4 core	130.45	131.10	0.65	.5	.54	18	6	42	<10	7.66	<1	11	31	1362	3.01	.27	.36	1794
284097	1/4 core	151.64	152.10	0.46	.8	1.40	9	8	1984	<10	7.92	<1	14	27	769	3.19	.26	.56	1629
284098	1/4 core	152.10	153.30	1.20	.1	1.78	11	5	113	<10	3.43	<1	21	29	990	4.51	.17	1.61	1673
284099	1/4 core	153.30	154.10	0.80	1.4	2.03	19	<5	30	<10	2.63	<1	23	33	3720	5.13	.14	1.81	1782
284100	1/4 core	154.10	154.84	0.74	.1	1.44	15	6	65	<10	3.06	<1	19	39	380	4.37	.21	1.30	1357
284101	1/4 core	154.84	155.70	0.86	.6	1.83	14	5	198	<10	2.11	<1	22	35	4165	4.80	.12	1.62	1558
284102	1/4 core	155.70	156.50	0.80	.1	1.17	13	<5	91	<10	4.20	<1	15	32	334	3.50	.20	.91	1430
284103	1/4 core	156.50	157.10	0.60	.4	1.08	14	5	110	<10	5.22	<1	13	35	2010	2.98	.22	.60	1499
284104	1/4 core	157.10	157.89	0.79	.1	1.49	25	5	58	<10	4.29	<1	19	39	1790	3.89	.18	1.13	1657
284105	1/4 core	157.89	158.84	0.95	.1	1.63	<5	<5	83	<10	3.14	<1	18	38	611	4.48	.17	1.45	1638
284106	1/4 core	161.60	161.90	0.30	.1	1.56	11	<5	62	<10	3.48	<1	17	47	1120	3.81	.08	1.45	1720
284107	1/4 core	163.35	164.56	1.21	.2	2.10	9	<5	33	<10	2.24	<1	25	46	2320	5.28	.11	1.90	1745
284108	1/4 core	164.56	165.56	1.00	.1	1.00	13	6	61	<10	5.23	<1	15	31	605	3.42	.21	.64	1403
284109	1/4 core	165.56	166.56	1.00	.1	1.33	<5	<5	26	<10	3.77	<1	18	30	657	4.07	.15	1.21	1417

08-SND-04 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092339 (Samples: 284043-284109)

08-SND-04 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		m	M	m	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
284043	1/4 core	8.00	8.20	0.20	2	.05	14	.15	10	.18	3	<2	59	<5	.07	<5	91	42	8
284044	1/4 core	10.90	11.15	0.25	4	.06	15	.17	19	.29	<2	<2	47	<5	.07	<5	100	59	47
284045	1/4 core	12.10	13.00	0.90	3	.04	16	.18	11	.18	<2	<2	39	<5	.06	<5	92	41	5
284046	1/4 core	13.00	13.95	0.95	4	.05	19	.21	8	.06	<2	<2	40	10	.07	<5	132	45	7
284047	1/4 core	15.10	16.40	1.30	7	.02	22	.19	15	.11	2	<2	65	<5	.01	<5	90	118	1
284048	1/4 core	16.40	17.68	1.28	3	.02	23	.18	0	.16	<2	<2	69	7	.02	<5	77	120	2
284049	1/4 core	17.68	18.30	0.62	6	.03	22	.19	17	.39	<2	<2	70	<5	.05	<5	92	86	1
284050	1/4 core	18.30	19.00	0.70	5	.02	20	.21	9	.08	3	<2	43	6	.05	<5	100	46	1
284051	1/4 core	19.00	19.70	0.70	17	.03	23	.22	13	.59	<2	<2	47	9	.05	<5	84	88	2
284052	1/4 core	19.70	20.50	0.80	3	.03	24	.20	13	.18	<2	<2	57	<5	.07	<5	61	99	1
284053	1/4 core	20.50	21.10	0.60	74	.02	23	.21	33	.63	<2	<2	84	6	.07	<5	62	114	1
284054	1/4 core	21.10	21.80	0.70	3	.03	17	.22	28	.05	<2	<2	67	<5	.06	<5	87	78	1
284055	1/4 core	26.52	27.15	0.63	4	.05	17	.21	10	.17	<2	<2	73	<5	.06	<5	95	23	1
284056	1/4 core	27.15	27.57	0.42	5	.04	18	.23	7	.28	<2	<2	83	<5	.07	<5	66	25	4
284057	1/4 core	27.57	27.77	0.20	10	.01	5	.33	44	.20	<2	<2	11	<5	.01	<5	33	66	13
284058	1/4 core	27.77	28.60	0.83	106	.05	16	.18	13	.79	<2	<2	92	<5	.05	<5	51	22	3
284059	1/4 core	28.60	29.25	0.65	10	.04	24	.22	12	.60	<2	<2	98	<5	.05	<5	50	24	1
284060	1/4 core	30.33	31.05	0.72	3	.04	20	.21	13	.65	<2	<2	90	<5	.06	<5	62	32	1
284061	1/4 core	34.70	35.97	1.27	7	.05	14	.23	10	.15	<2	<2	61	6	.06	<5	85	29	2
284062	1/4 core	35.97	36.50	0.53	3	.04	20	.21	17	1.11	<2	<2	96	7	.07	<5	63	67	1
284063	1/4 core	36.50	36.88	0.38	4	.05	19	.21	10	.17	<2	<2	47	9	.06	<5	130	48	1
284064	1/4 core	36.88	37.15	0.27	9	.02	30	.18	2	3.20	<2	<2	298	11	.09	<5	45	41	2
284065	1/4 core	37.15	37.85	0.70	2	.04	19	.23	9	.68	<2	<2	66	<5	.06	<5	70	34	5
284066	1/4 core	37.85	39.01	1.16	3	.05	19	.25	11	.16	<2	<2	84	<5	.06	<5	103	41	1
284067	1/4 core	45.60	46.35	0.75	2	.04	17	.22	13	.33	<2	<2	68	<5	.08	<5	68	65	1
284068	1/4 core	54.00	55.00	1.00	3	.04	21	.21	11	.92	<2	<2	98	8	.07	<5	79	46	1
284069	1/4 core	55.00	55.90	0.90	2	.03	21	.20	10	.75	<2	<2	91	9	.06	<5	101	40	1
284070	1/4 core	55.90	56.30	0.40	3	.14	65	.33	12	.08	<2	<2	338	10	.11	<5	99	84	2
284071	1/4 core	58.50	59.40	0.90	2	.05	13	.21	9	.09	4	<2	86	<5	.06	<5	61	25	1
284072	1/4 core	59.40	60.20	0.80	3	.05	19	.22	4	.13	<2	<2	91	<5	.06	<5	101	29	1
284073	1/4 core	60.20	60.66	0.46	6	.05	17	.23	9	.18	<2	<2	72	5	.05	<5	79	23	1
284074	1/4 core	60.66	60.96	0.30	2	.04	18	.19	7	1.04	<2	<2	107	<5	.08	<5	48	30	210
284075	1/4 core	60.96	61.80	0.84	3	.05	19	.20	6	.16	<2	<2	84	<5	.06	<5	73	22	1
284076	1/4 core	61.80	62.15	0.35	65	.04	20	.19	4	1.52	<2	<2	53	7	.05	<5	73	25	7

08-SND-04 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		m	M	m	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
284077	1/4 core	62.15	63.00	0.85	50	.05	7	.08	7	.12	<2	<2	29	<5	.04	<5	39	15	1
284078	1/4 core	63.00	63.80	0.80	64	.05	10	.08	6	.21	<2	<2	31	<5	.06	<5	39	15	1
284079	1/4 core	63.80	64.50	0.70	11	.05	9	.07	5	.06	3	<2	32	<5	.05	<5	37	19	1
284080	1/4 core	64.50	65.10	0.60	6	.05	8	.08	3	.67	<2	<2	61	<5	.02	<5	35	15	2
284081	1/4 core	65.10	66.15	1.05	33	.06	7	.09	4	.10	<2	<2	57	<5	.03	<5	31	9	1
284082	1/4 core	66.15	67.15	1.00	3	.06	9	.08	5	.16	<2	<2	52	<5	.04	<5	40	9	1
284083	1/4 core	84.73	85.69	0.96	52	.04	24	.20	13	.15	<2	<2	144	7	.01	<5	103	168	2
284084	1/4 core	85.69	86.65	0.96	38	.03	14	.17	11	.26	12	<2	114	7	.01	<5	62	144	1
284085	1/4 core	114.40	115.21	0.81	5	.02	13	.20	8	.22	<2	<2	104	<5	.01	<5	41	90	1
284086	1/4 core	115.21	115.80	0.59	4	.02	11	.23	9	.17	<2	<2	83	<5	.01	<5	55	105	7
284087	1/4 core	124.36	124.95	0.59	5	.02	10	.20	8	.88	<2	<2	74	<5	.01	<5	32	65	6
284088	1/4 core	124.95	125.55	0.60	3	.02	14	.19	6	.17	<2	<2	78	<5	.01	<5	46	90	1
284089	1/4 core	125.55	126.11	0.56	3	.02	10	.20	5	.10	<2	<2	68	<5	.01	<5	44	90	1
284090	1/4 core	126.11	127.00	0.89	4	.02	18	.19	10	.21	2	<2	74	8	.01	<5	85	107	1
284091	1/4 core	127.00	128.20	1.20	3	.02	17	.18	9	.76	29	<2	52	8	.01	<5	69	106	2
284092	1/4 core	128.20	128.80	0.60	4	.03	22	.23	13	.15	<2	<2	81	11	.01	<5	125	106	1
284093	1/4 core	128.80	129.40	0.60	3	.03	21	.22	10	.06	<2	<2	89	11	.01	<5	112	121	3
284094	1/4 core	129.40	130.10	0.70	5	.02	12	.20	8	.11	<2	<2	85	<5	.01	<5	76	75	1
284095	1/4 core	130.10	130.45	0.35	3	.03	10	.21	11	.12	<2	<2	100	5	.01	<5	69	88	1
284096	1/4 core	130.45	131.10	0.65	3	.02	9	.18	9	.13	6	<2	90	<5	.01	<5	55	67	1
284097	1/4 core	151.64	152.10	0.46	2	.03	13	.12	14	.12	<2	<2	104	<5	.01	<5	35	151	1
284098	1/4 core	152.10	153.30	1.20	3	.03	19	.16	10	.12	<2	<2	46	7	.01	<5	90	141	2
284099	1/4 core	153.30	154.10	0.80	4	.03	18	.15	14	.35	<2	<2	35	9	.01	<5	85	168	3
284100	1/4 core	154.10	154.84	0.74	3	.02	18	.14	13	.04	<2	<2	44	9	.02	<5	109	118	1
284101	1/4 core	154.84	155.70	0.86	3	.03	17	.13	13	.35	<2	<2	28	6	.01	<5	76	163	1
284102	1/4 core	155.70	156.50	0.80	4	.03	15	.13	10	.05	<2	<2	51	<5	.01	<5	80	113	1
284103	1/4 core	156.50	157.10	0.60	2	.03	13	.14	9	.22	<2	<2	65	6	.01	<5	62	97	2
284104	1/4 core	157.10	157.89	0.79	3	.02	16	.15	10	.19	<2	<2	46	<5	.01	<5	72	140	1
284105	1/4 core	157.89	158.84	0.95	4	.03	18	.14	15	.08	<2	<2	38	<5	.01	<5	100	155	1
284106	1/4 core	161.60	161.90	0.30	3	.03	13	.12	7	.12	<2	<2	32	6	.01	<5	78	169	1
284107	1/4 core	163.35	164.56	1.21	4	.02	19	.13	15	.24	5	<2	27	10	.01	<5	91	161	1
284108	1/4 core	164.56	165.56	1.00	2	.03	15	.15	4	.06	<2	<2	67	5	.01	<5	81	102	1
284109	1/4 core	165.56	166.56	1.00	3	.03	16	.16	10	.08	<2	<2	40	10	.01	<5	102	110	1

08-SND-05 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092339 (Samples: 284152-284164); 2092360 (Samples: 284165-284197); 2102603 (Sample: 284164; 284165)

08-SND-05 Re-Assay																			
Sample		From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	Metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	Ppm
284152	1/4 core	27.47	27.80	0.33	.1	1.70	<5	<5	34	<10	1.46	<1	16	39	155	3.81	.07	1.34	384
284153	1/4 core	31.65	32.15	0.50	.3	1.02	11	8	12	<10	1.31	<1	12	49	228	2.10	.05	.96	285
284154	1/4 core	34.60	35.10	0.50	.1	1.09	<5	<5	675	<10	1.03	<1	13	43	76	2.93	.24	.96	253
284155	1/4 core	69.33	70.09	0.76	.1	1.50	18	<5	28	<10	1.71	<1	12	33	291	3.74	.06	.79	275
284156	1/4 core	86.05	86.35	0.30	.1	2.06	6	7	195	<10	2.10	<1	13	28	279	3.56	.13	1.13	365
284157	1/4 core	92.70	93.55	0.85	.1	1.54	8	<5	78	<10	1.53	<1	27	35	246	3.40	.04	1.15	526
284158	1/4 core	93.55	94.48	0.93	.1	1.68	29	5	24	<10	1.23	<1	27	40	420	3.61	.04	1.36	655
284159	1/4 core	95.53	95.96	0.43	.6	.96	18	<5	21	<10	1.12	<1	335	33	42	7.27	.06	.66	298
284160	1/4 core	108.72	109.12	0.40	.5	1.97	<5	8	32	<10	4.28	<1	28	28	308	4.32	.26	1.02	1274
284161	1/4 core	109.12	110.12	1.00	.1	.72	<5	5	33	<10	5.91	<1	8	23	68	1.21	.29	.36	1404
284162	1/4 core	111.65	112.32	0.67	.9	1.42	12	7	549	<10	3.79	<1	22	30	1898	2.94	.34	.79	1066
284163	1/4 core	120.20	121.00	0.80	.1	1.45	<5	<5	63	<10	1.36	<1	17	36	459	3.20	.08	1.37	562
284164	1/4 core	121.00	121.31	0.31	4.6	.88	25	8	18	<10	2.63	<1	278	38	22200	12.96	.10	.27	506
284165	1/4 core	121.31	121.41	0.10	1.7	2.90	18	8	20	<10	2.35	<1	123	68	7088	7.65	.13	2.76	1143
284166	1/4 core	123.86	124.36	0.50	.2	1.25	5	<5	153	<10	1.66	<1	8	21	691	2.63	.05	.85	258
284167	1/4 core	125.30	125.60	0.30	.1	1.35	12	6	64	<10	2.36	<1	11	19	966	1.75	.05	.98	282
284168	1/4 core	130.45	131.45	1.00	.2	2.07	10	<5	26	<10	1.47	<1	20	28	853	3.34	.06	1.73	583
284169	1/4 core	131.45	132.03	0.58	.5	2.38	11	<5	11	<10	1.69	<1	26	26	2350	3.59	.06	2.11	757
284170	1/4 core	140.00	140.32	0.32	.3	1.93	5	<5	20	<10	1.91	<1	29	28	1588	2.43	.12	1.55	628
284171	1/4 core	141.90	142.34	0.44	.5	1.39	6	<5	57	<10	1.13	<1	12	22	1300	2.62	.09	1.05	338
284172	1/4 core	143.45	143.70	0.25	.4	1.56	12	<5	171	<10	.87	<1	16	21	1551	3.23	.10	1.38	412
284173	1/4 core	144.90	145.06	0.16	.3	2.26	5	<5	20	<10	1.63	<1	27	34	1750	3.09	.05	1.96	666
284174	1/4 core	154.40	154.84	0.44	1.3	1.67	7	<5	164	<10	1.39	<1	18	23	1151	2.89	.06	1.47	591
284175	1/4 core	154.84	155.17	0.33	.2	2.11	5	6	36	<10	1.52	<1	20	20	850	3.63	.07	1.96	724
284176	1/4 core	155.17	155.30	0.13	.5	1.50	12	5	13	<10	3.04	5	16	90	3700	2.35	.01	.77	485
284177	1/4 core	155.30	155.88	0.58	.1	1.78	15	5	42	<10	2.35	<1	15	19	257	3.81	.07	1.60	846
284178	1/4 core	157.10	157.89	0.79	.2	1.94	6	<5	52	<10	2.40	<1	20	25	845	2.83	.04	1.77	807
284179	1/4 core	157.89	158.50	0.61	.1	1.78	13	<5	39	<10	2.59	<1	18	20	655	3.93	.07	1.75	988
284180	1/4 core	159.70	160.20	0.50	.5	2.09	16	<5	39	<10	2.55	<1	23	24	4629	3.88	.05	1.94	952
284181	1/4 core	160.20	160.93	0.73	.2	2.52	18	7	89	<10	5.39	<1	19	22	655	2.93	.19	2.13	1340
284182	1/4 core	160.93	161.65	0.72	.3	1.70	11	<5	51	<10	1.60	<1	17	31	627	3.22	.08	1.67	709
284183	1/4 core	169.00	169.40	0.40	.4	2.12	15	5	87	<10	2.06	<1	18	32	345	3.74	.12	1.89	1005
284184	1/4 core	169.40	169.83	0.43	.1	1.58	6	<5	66	<10	2.06	<1	16	32	97	3.71	.10	1.58	828

08-SND-05 Re-Assay																			
Sample		From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	Metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	Ppm
284185	1/4 core	169.83	170.20	0.37	3.4	1.17	17	7	59	<10	4.91	2	9	14	290	1.89	.38	.54	1153
284186	1/4 core	171.35	173.13	1.78	.3	2.08	7	<5	297	<10	2.14	<1	22	22	1923	3.56	.05	2.17	878
284187	1/4 core	175.67	176.17	0.50	.4	3.85	5	<5	249	<10	1.99	<1	37	78	1310	5.32	.07	3.65	1540
284188	1/4 core	176.17	176.72	0.55	.3	2.98	11	<5	35	<10	3.20	<1	31	19	893	4.21	.13	2.75	1391
284189	1/4 core	194.20	194.46	0.26	.2	1.01	12	5	2349	<10	3.07	<1	9	7	487	2.10	.17	.75	679
284190	1/4 core	197.51	197.91	0.40	1.3	.56	26	<5	19	<10	2.22	2	5	15	1912	1.17	.12	.45	471
284191	1/4 core	197.91	198.36	0.45	1.2	.57	13	<5	24	<10	4.49	<1	6	24	1923	1.13	.13	.42	883
284192	1/4 core	198.36	199.10	0.74	1.3	.59	5	<5	21	<10	1.74	<1	7	14	1518	.90	.15	.36	316
284193	1/4 core	199.10	200.56	1.46	.4	.37	13	<5	19	<10	2.40	<1	5	21	1241	.94	.09	.48	445
284194	1/4 core	209.70	210.40	0.70	.1	.87	15	<5	23	<10	4.30	<1	15	19	460	3.88	.15	.73	1441
284195	1/4 core	210.40	211.15	0.75	.2	1.22	5	5	28	<10	5.73	<1	19	20	552	4.14	.14	1.03	1589
284196	1/4 core	211.15	211.85	0.70	.1	1.03	12	<5	28	<10	4.74	<1	20	29	2280	4.04	.12	.92	1573
284197	1/4 core	211.85	212.75	0.90	.4	.63	7	<5	124	<10	4.53	<1	18	15	3415	4.22	.15	1.46	1825

08-SND-05 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092339 (Samples: 284152-284164); 2092360 (Samples: 284165-284197)

08-SND-05 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	Metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
284152	1/4 core	27.47	27.80	0.33	4	.04	22	.20	10	.44	<2	<2	31	7	.13	<5	130	55	2
284153	1/4 core	31.65	32.15	0.50	10	.03	12	.16	12	.93	<2	<2	22	6	.06	<5	56	29	1
284154	1/4 core	34.60	35.10	0.50	6	.05	17	.17	6	.06	<2	<2	39	<5	.14	<5	112	40	3
284155	1/4 core	69.33	70.09	0.76	3	.04	13	.15	13	.11	<2	<2	43	9	.08	<5	161	29	5
284156	1/4 core	86.05	86.35	0.30	4	.05	16	.20	12	.04	<2	<2	56	7	.15	<5	136	43	4
284157	1/4 core	92.70	93.55	0.85	3	.03	19	.16	14	1.05	<2	<2	72	<5	.11	<5	88	36	1
284158	1/4 core	93.55	94.48	0.93	4	.04	20	.17	11	.66	<2	<2	56	7	.12	<5	101	48	1
284159	1/4 core	95.53	95.96	0.43	5	.04	15	.14	36	7.56	<2	<2	43	14	.10	<5	47	165	9
284160	1/4 core	108.72	109.12	0.40	17	.03	22	.20	18	.30	<2	<2	94	7	.01	<5	80	122	3
284161	1/4 core	109.12	110.12	1.00	4	.02	6	.16	9	.05	8	<2	90	<5	.01	<5	34	50	2
284162	1/4 core	111.65	112.32	0.67	3	.03	13	.19	16	.58	25	<2	81	<5	.01	<5	54	88	1
284163	1/4 core	120.20	121.00	0.80	4	.05	16	.17	11	.13	<2	<2	47	7	.12	<5	118	52	1
284164	1/4 core	121.00	121.31	0.31	36	.01	9	.08	37	13.14	<2	<2	151	21	.03	<5	7	74	12
284165	1/4 core	121.31	121.41	0.10	5	.09	29	.09	15	4.52	<2	<2	66	14	.13	<5	82	170	2
284166	1/4 core	123.86	124.36	0.50	12	.06	12	.11	3	.29	2	<2	66	7	.11	<5	75	25	1
284167	1/4 core	125.30	125.60	0.30	26	.05	11	.11	4	.34	4	<2	59	5	.09	<5	53	25	1
284168	1/4 core	130.45	131.45	1.00	2	.03	17	.11	2	.15	<2	<2	60	7	.11	<5	74	61	1
284169	1/4 core	131.45	132.03	0.58	3	.04	20	.10	6	.35	<2	<2	73	8	.10	<5	58	70	1
284170	1/4 core	140.00	140.32	0.32	17	.03	19	.11	6	.34	3	<2	122	5	.09	<5	51	61	1
284171	1/4 core	141.90	142.34	0.44	2	.05	12	.12	7	.15	<2	<2	45	6	.11	<5	80	39	1
284172	1/4 core	143.45	143.70	0.25	3	.06	15	.13	3	.14	4	<2	37	5	.14	<5	91	48	1
284173	1/4 core	144.90	145.06	0.16	5	.04	19	.12	2	.19	<2	<2	77	10	.10	<5	65	66	1
284174	1/4 core	154.40	154.84	0.44	1	.03	15	.12	10	.15	<2	<2	62	8	.11	<5	73	66	1
284175	1/4 core	154.84	155.17	0.33	2	.04	17	.13	9	.10	<2	<2	46	7	.14	<5	97	94	1
284176	1/4 core	155.17	155.30	0.13	18	.02	12	.08	61	1.27	3	<2	167	6	.13	<5	43	437	1
284177	1/4 core	155.30	155.88	0.58	3	.04	15	.12	8	.04	3	<2	40	7	.16	<5	112	95	1
284178	1/4 core	157.10	157.89	0.79	17	.03	19	.13	9	.13	<2	<2	92	5	.11	<5	80	92	1
284179	1/4 core	157.89	158.50	0.61	4	.02	18	.15	14	.14	5	<2	45	8	.11	<5	101	112	1
284180	1/4 core	159.70	160.20	0.50	2	.04	23	.13	3	.46	<2	<2	78	9	.10	<5	85	90	1
284181	1/4 core	160.20	160.93	0.73	34	.05	18	.12	19	.07	2	<2	102	5	.01	<5	57	124	1
284182	1/4 core	160.93	161.65	0.72	2	.04	20	.12	6	.08	<2	<2	50	7	.09	<5	85	66	1
284183	1/4 core	169.00	169.40	0.40	3	.03	21	.13	6	.03	<2	<2	79	8	.05	<5	81	85	1
284184	1/4 core	169.40	169.83	0.43	2	.05	19	.14	8	.01	3	<2	44	6	.09	<5	105	74	1
284185	1/4 core	169.83	170.20	0.37	4	.04	8	.13	10	.09	40	<2	95	5	.01	<5	37	79	1

08-SND-05 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	Metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
284186	1/4 core	171.35	173.13	1.78	5	.05	22	.13	4	.16	<2	<2	58	9	.07	<5	88	73	2
284187	1/4 core	175.67	176.17	0.50	2	.02	33	.13	9	.12	4	<2	61	7	.04	<5	79	125	1
284188	1/4 core	176.17	176.72	0.55	1	.04	27	.16	6	.07	3	<2	72	6	.02	<5	87	120	1
284189	1/4 core	194.20	194.46	0.26	2	.05	7	.05	4	.10	8	<2	138	5	.01	<5	19	118	1
284190	1/4 core	197.51	197.91	0.40	7	.05	4	.04	22	.17	21	<2	96	6	.02	<5	9	39	1
284191	1/4 core	197.91	198.36	0.45	156	.04	4	.05	12	.18	6	<2	98	5	.01	<5	12	30	1
284192	1/4 core	198.36	199.10	0.74	26	.06	4	.05	9	.14	6	<2	123	6	.02	<5	6	31	1
284193	1/4 core	199.10	200.56	1.46	6	.04	3	.04	7	.13	11	<2	55	5	.01	<5	8	38	1
284194	1/4 core	209.70	210.40	0.70	2	.05	15	.15	6	.04	4	<2	131	9	.02	<5	67	105	1
284195	1/4 core	210.40	211.15	0.75	4	.06	19	.13	7	.06	2	<2	153	5	.01	<5	70	126	1
284196	1/4 core	211.15	211.85	0.70	2	.04	19	.14	3	.21	<2	<2	86	7	.02	<5	81	126	1
284197	1/4 core	211.85	212.75	0.90	1	.06	15	.12	4	.27	3	<2	156	5	.01	<5	60	108	2

08-SND-06 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092360 (Samples: 285151-285184); 2092360 (Sample: 285164)

08-SND-06 Re-Assay																			
Sample		From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	Metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
285151	1/4 core	11.00	12.10	1.10	.2	1.71	9	<5	47	<10	5.83	<1	19	21	329	4.34	.09	1.01	1426
285152	1/4 core	12.75	12.95	0.20	.1	1.63	6	<5	66	<10	2.99	<1	16	30	592	4.72	.07	.95	687
285153	1/4 core	24.85	25.85	1.00	.1	1.44	23	<5	34	<10	1.58	<1	15	26	194	3.36	.04	.80	368
285154	1/4 core	31.15	31.30	0.15	.4	1.28	18	<5	48	<10	1.46	<1	12	45	1830	3.86	.09	.61	185
285155	1/4 core	32.40	32.85	0.45	.2	1.54	9	6	33	<10	1.90	<1	10	28	249	2.95	.06	.80	193
285156	1/4 core	33.22	34.20	0.98	.1	.97	17	<5	42	<10	1.06	<1	12	31	217	3.33	.05	.64	144
285157	1/4 core	34.80	35.30	0.50	3.1	1.61	12	<5	499	<10	4.17	<1	12	29	356	3.74	.10	1.00	508
285158	1/4 core	39.55	39.85	0.30	.2	1.13	6	<5	43	<10	1.25	<1	19	40	441	3.68	.07	.59	145
285159	1/4 core	43.05	43.45	0.40	.4	1.05	5	<5	37	<10	1.36	<1	9	32	1079	3.19	.05	.49	171
285160	1/4 core	44.56	45.10	0.54	.3	1.06	6	<5	161	<10	1.18	<1	10	29	1412	3.34	.06	.59	148
285161	1/4 core	47.20	48.15	0.95	.6	1.09	5	<5	42	<10	1.10	<1	12	32	1485	3.42	.08	.82	257
285162	1/4 core	48.46	48.69	0.23	.8	1.04	21	<5	64	<10	1.24	<1	14	55	1751	4.63	.13	.82	210
285163	1/4 core	50.76	51.26	0.50	.1	1.29	6	<5	69	<10	4.88	<1	10	25	419	2.72	.08	.47	505
285164	1/4 core	57.61	57.83	0.22	2.3	1.44	20	7	26	<10	1.39	<1	22	32	11200	5.19	.07	.78	237
285165	1/4 core	63.70	64.35	0.65	.6	1.31	26	<5	124	<10	1.14	<1	14	24	1238	3.79	.12	.95	263
285166	1/4 core	64.35	65.90	1.55	.6	1.22	26	<5	113	<10	1.58	<1	11	29	2815	3.71	.08	.78	219
285167	1/4 core	65.90	66.30	0.40	.9	1.30	22	<5	105	<10	1.78	<1	10	18	2587	3.98	.09	.71	242
285168	1/4 core	66.30	66.60	0.30	.1	3.24	99	<5	278	<10	3.05	<1	24	94	145	4.65	.42	2.99	668
285169	1/4 core	66.60	67.30	0.70	.3	1.38	12	<5	66	<10	1.43	<1	12	29	1602	4.19	.07	.81	235
285170	1/4 core	68.70	69.44	0.74	.6	1.37	5	<5	136	11	1.60	<1	11	26	2414	4.10	.09	.84	200
285171	1/4 core	71.00	72.75	1.75	.7	2.36	17	<5	100	<10	3.94	<1	19	25	2322	5.28	.08	1.46	799
285172	1/4 core	72.75	73.40	0.65	.3	1.61	23	<5	472	<10	2.14	<1	16	29	1356	4.64	.11	1.13	435
285173	1/4 core	73.40	74.20	0.80	.9	1.85	6	<5	73	<10	2.98	<1	14	19	4826	4.04	.06	1.13	351
285174	1/4 core	74.20	74.80	0.60	.6	1.62	5	<5	109	<10	2.68	<1	12	26	1652	4.54	.09	.90	324
285175	1/4 core	75.90	76.50	0.60	.1	2.37	11	<5	36	<10	2.51	<1	13	21	1009	4.34	.06	1.06	368
285176	1/4 core	76.50	77.75	1.25	.4	1.14	29	<5	147	<10	1.33	<1	12	22	1383	3.79	.10	.70	194
285177	1/4 core	77.75	78.44	0.69	.3	1.31	7	<5	48	<10	1.39	<1	10	19	739	3.68	.06	.76	208
285178	1/4 core	78.44	78.94	0.50	.7	2.65	18	8	54	<10	3.23	<1	33	20	3086	5.34	.05	1.32	489
285179	1/4 core	85.04	85.34	0.30	.3	1.50	15	<5	114	<10	1.44	<1	11	23	881	4.39	.06	.84	238
285180	1/4 core	112.14	112.47	0.33	.2	1.67	17	8	46	<10	2.04	<1	30	12	716	2.13	.07	.71	203
285181	1/4 core	124.90	125.40	0.50	.3	1.61	5	7	396	<10	1.68	<1	21	20	800	4.20	.05	.76	282
285182	1/4 core	126.50	127.71	1.21	.6	1.96	7	7	69	<10	2.29	<1	91	19	714	5.16	.04	1.06	327
285183	1/4 core	129.00	129.68	0.68	.3	1.43	19	7	169	<10	1.58	<1	17	18	1186	3.37	.05	.60	259
285184	1/4 core	198.90	199.64	0.74	.2	2.02	17	<5	140	<10	4.59	<1	15	29	183	3.47	.12	1.28	589

08-SND-06 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092360 (Samples: 285151-285184)

08-SND-06 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	Metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
285151	1/4 core	11.00	12.10	1.10	4	.03	19	.17	5	.20	<2	<2	59	8	.01	<5	129	69	2
285152	1/4 core	12.75	12.95	0.20	2	.04	20	.20	6	.02	<2	<2	48	7	.03	<5	165	50	3
285153	1/4 core	24.85	25.85	1.00	6	.03	17	.21	5	.33	<2	<2	31	7	.05	<5	135	30	2
285154	1/4 core	31.15	31.30	0.15	4	.10	16	.23	4	.35	2	<2	40	9	.08	<5	183	21	6
285155	1/4 core	32.40	32.85	0.45	5	.04	17	.20	7	.48	<2	<2	35	6	.05	<5	133	24	3
285156	1/4 core	33.22	34.20	0.98	11	.05	16	.21	4	.37	<2	<2	27	7	.08	<5	151	15	4
285157	1/4 core	34.80	35.30	0.50	2	.04	18	.18	6	.05	<2	<2	246	8	.06	<5	157	33	5
285158	1/4 core	39.55	39.85	0.30	10	.05	15	.20	2	.44	<2	<2	31	7	.09	<5	165	21	4
285159	1/4 core	43.05	43.45	0.40	4	.06	11	.17	3	.08	<2	<2	35	9	.07	<5	139	18	7
285160	1/4 core	44.56	45.10	0.54	28	.04	15	.20	2	.19	<2	<2	30	8	.08	<5	142	18	8
285161	1/4 core	47.20	48.15	0.95	847	.05	16	.20	3	.14	<2	<2	26	6	.10	<5	138	34	10
285162	1/4 core	48.46	48.69	0.23	53	.07	21	.23	6	.10	<2	<2	30	12	.13	<5	233	35	13
285163	1/4 core	50.76	51.26	0.50	16	.09	14	.19	3	.03	<2	<2	80	5	.03	<5	134	29	2
285164	1/4 core	57.61	57.83	0.22	14	.05	20	.19	2	2.38	<2	<2	25	10	.10	<5	137	26	10
285165	1/4 core	63.70	64.35	0.65	80	.06	12	.20	4	.08	<2	<2	29	8	.10	<5	164	36	8
285166	1/4 core	64.35	65.90	1.55	47	.05	11	.20	3	.22	<2	<2	43	9	.09	<5	165	24	13
285167	1/4 core	65.90	66.30	0.40	10	.06	10	.18	4	.25	4	<2	50	7	.06	<5	174	28	23
285168	1/4 core	66.30	66.60	0.30	16	.19	84	.20	9	.50	<2	<2	163	7	.12	<5	140	72	1
285169	1/4 core	66.60	67.30	0.70	14	.05	13	.23	4	.09	<2	<2	28	9	.10	<5	189	28	5
285170	1/4 core	68.70	69.44	0.74	24	.04	13	.23	3	.29	<2	<2	29	8	.14	<5	186	31	14
285171	1/4 core	71.00	72.75	1.75	13	.06	17	.26	17	.16	<2	<2	86	13	.07	<5	207	157	9
285172	1/4 core	72.75	73.40	0.65	4	.07	16	.24	5	.15	2	<2	79	10	.09	<5	198	43	18
285173	1/4 core	73.40	74.20	0.80	37	.04	15	.20	2	.53	<2	<2	61	9	.07	<5	148	32	16
285174	1/4 core	74.20	74.80	0.60	2	.06	13	.23	3	.08	<2	<2	63	12	.09	<5	204	24	11
285175	1/4 core	75.90	76.50	0.60	7	.04	14	.24	5	.11	3	<2	55	11	.07	<5	187	30	9
285176	1/4 core	76.50	77.75	1.25	11	.05	11	.25	2	.08	<2	<2	29	6	.10	<5	179	25	8
285177	1/4 core	77.75	78.44	0.69	18	.06	11	.23	5	.22	<2	<2	27	12	.09	<5	168	22	1
285178	1/4 core	78.44	78.94	0.50	12	.04	16	.22	4	3.20	<2	<2	55	13	.08	<5	133	34	7
285179	1/4 core	85.04	85.34	0.30	4	.05	11	.24	2	.52	<2	<2	65	9	.07	<5	181	22	4
285180	1/4 core	112.14	112.47	0.33	1	.06	11	.25	7	1.46	<2	<2	34	5	.08	<5	64	18	1
285181	1/4 core	124.90	125.40	0.50	11	.05	12	.25	3	.71	<2	<2	35	7	.07	<5	165	22	3
285182	1/4 core	126.50	127.71	1.21	12	.04	16	.26	4	3.56	<2	<2	43	6	.06	<5	117	24	4
285183	1/4 core	129.00	129.68	0.68	2	.04	10	.24	4	.65	<2	<2	32	8	.07	<5	143	21	3
285184	1/4 core	198.90	199.64	0.74	1	.06	19	.15	5	.02	<2	<2	125	6	.06	<5	124	40	2

08-SND-07 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092360 (Samples: 285185-285208)

08-SND-07 Re-Assay																			
Sample		From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		m	M	m	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
285185	1/4 core	17.78	18.30	0.52	.2	2.58	5	<5	20	<10	2.46	<1	15	13	289	3.40	.05	1.33	374
285186	1/4 core	18.30	19.27	0.97	.1	1.48	24	<5	165	<10	1.55	<1	12	20	273	3.78	.04	.92	293
285187	1/4 core	19.27	19.70	0.43	.3	2.05	8	<5	99	<10	1.78	<1	20	29	2055	4.37	.06	1.16	345
285188	1/4 core	19.70	20.15	0.45	.1	1.90	15	<5	47	<10	1.93	<1	10	18	143	3.72	.04	.79	248
285189	1/4 core	20.15	21.35	1.20	.2	2.69	5	5	26	<10	2.78	<1	15	17	146	3.50	.05	1.23	363
285190	1/4 core	21.35	22.30	0.95	.1	2.27	12	<5	41	<10	1.97	<1	16	21	608	4.00	.04	1.38	359
285191	1/4 core	22.30	23.15	0.85	.6	2.09	22	<5	24	<10	2.76	<1	98	20	492	8.19	.05	.99	250
285192	1/4 core	23.15	23.90	0.75	.1	2.65	30	11	221	<10	3.47	<1	7	18	102	1.62	.04	.85	233
285193	1/4 core	23.90	24.40	0.50	.4	1.31	9	5	24	<10	1.49	<1	78	17	93	8.53	.05	.77	207
285194	1/4 core	24.40	25.40	1.00	.3	1.50	8	<5	70	<10	2.10	<1	14	19	539	3.49	.04	.98	253
285195	1/4 core	35.20	36.10	0.90	.2	1.33	30	<5	335	<10	1.39	<1	14	23	1397	3.27	.03	.68	193
285196	1/4 core	36.10	36.80	0.70	.1	1.27	6	<5	56	<10	1.21	<1	10	31	1195	3.33	.02	.60	162
285197	1/4 core	41.40	42.55	1.15	.3	1.20	9	<5	59	<10	1.27	<1	13	22	537	3.50	.04	.53	167
285198	1/4 core	42.55	42.90	0.35	.1	2.59	6	<5	33	<10	4.04	<1	12	17	960	2.50	.03	.70	399
285199	1/4 core	57.95	58.68	0.73	.2	1.23	14	<5	28	<10	1.27	<1	11	25	309	3.65	.05	.63	190
285200	1/4 core	58.68	59.58	0.90	.3	1.94	10	6	20	<10	1.90	<1	20	67	332	4.75	.06	1.33	419
285201	1/4 core	59.58	60.15	0.57	.2	1.74	6	6	21	<10	1.74	<1	22	41	329	3.88	.04	1.05	258
285202	1/4 core	60.15	61.00	0.85	.2	1.48	30	6	53	<10	2.70	<1	61	39	312	4.49	.05	1.07	368
285203	1/4 core	61.00	61.67	0.67	.1	1.32	31	7	49	<10	2.10	<1	66	17	1202	3.28	.06	.58	183
285204	1/4 core	61.67	62.67	1.00	.2	1.60	32	<5	12	<10	4.64	<1	45	17	522	3.83	.07	1.10	460
285205	1/4 core	62.67	63.47	0.80	.1	1.67	22	<5	21	<10	2.35	<1	17	15	365	4.62	.08	.95	262
285206	1/4 core	63.47	64.33	0.86	.2	.72	37	<5	33	<10	5.32	<1	17	18	405	4.42	.11	1.74	682
285207	1/4 core	64.33	65.10	0.77	.1	.68	97	<5	16	<10	7.11	<1	15	26	397	4.32	.10	1.78	706
285208	1/4 core	66.40	66.75	0.35	.2	1.86	12	11	24	<10	2.46	<1	41	21	698	3.63	.08	.93	313

08-SND-07 Re-assay

Pioneer Laboratories Inc. Report Numbers: 2092360 (Samples: 285185-285208)

08-SND-07 Re-Assay																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		m	M	m	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
285185	1/4 core	17.78	18.30	0.52	7	.04	16	.16	4	.76	<2	<2	47	6	.04	<5	108	24	1
285186	1/4 core	18.30	19.27	0.97	2	.05	15	.20	2	.04	<2	<2	47	7	.06	<5	165	23	1
285187	1/4 core	19.27	19.70	0.43	100	.04	18	.18	5	.36	<2	<2	35	8	.09	<5	169	34	3
285188	1/4 core	19.70	20.15	0.45	11	.05	13	.20	6	.05	<2	<2	46	9	.05	<5	163	28	2
285189	1/4 core	20.15	21.35	1.20	6	.04	13	.17	4	.47	<2	<2	52	5	.04	<5	114	31	1
285190	1/4 core	21.35	22.30	0.95	65	.05	18	.22	3	.67	<2	<2	41	12	.06	<5	159	34	1
285191	1/4 core	22.30	23.15	0.85	16	.03	30	.19	11	8.31	<2	<2	50	14	.05	<5	72	25	1
285192	1/4 core	23.15	23.90	0.75	5	.04	10	.21	5	.77	<2	<2	47	5	.06	<5	85	19	1
285193	1/4 core	23.90	24.40	0.50	19	.03	20	.19	10	8.86	<2	<2	26	17	.05	<5	48	18	1
285194	1/4 core	24.40	25.40	1.00	5	.02	17	.22	7	2.65	3	<2	36	7	.06	<5	103	22	3
285195	1/4 core	35.20	36.10	0.90	35	.04	14	.21	8	.63	<2	<2	43	12	.04	<5	114	17	2
285196	1/4 core	36.10	36.80	0.70	18	.05	12	.20	5	.26	<2	<2	32	6	.05	<5	129	15	1
285197	1/4 core	41.40	42.55	1.15	18	.04	12	.21	5	.69	<2	<2	32	6	.04	<5	127	14	1
285198	1/4 core	42.55	42.90	0.35	2	.05	14	.13	6	.48	<2	<2	62	5	.03	<5	85	32	1
285199	1/4 core	57.95	58.68	0.73	3	.04	11	.21	5	.41	<2	<2	28	6	.06	<5	155	18	1
285200	1/4 core	58.68	59.58	0.90	2	.03	24	.19	7	.98	<2	<2	25	9	.14	<5	195	44	1
285201	1/4 core	59.58	60.15	0.57	18	.02	19	.14	4	2.56	2	<2	25	7	.07	<5	85	22	1
285202	1/4 core	60.15	61.00	0.85	2	.04	22	.20	6	3.38	<2	<2	35	9	.07	<5	96	26	1
285203	1/4 core	61.00	61.67	0.67	7	.05	14	.20	5	2.84	<2	<2	42	7	.06	<5	59	17	1
285204	1/4 core	61.67	62.67	1.00	14	.04	22	.21	7	1.10	5	<2	58	9	.03	<5	112	42	2
285205	1/4 core	62.67	63.47	0.80	4	.06	17	.22	6	.08	5	<2	56	11	.01	<5	130	39	2
285206	1/4 core	63.47	64.33	0.86	2	.03	18	.13	4	.09	12	<2	83	8	.02	<5	140	46	1
285207	1/4 core	64.33	65.10	0.77	5	.02	15	.09	4	.22	51	<2	90	12	.01	<5	113	70	1
285208	1/4 core	66.40	66.75	0.35	20	.06	15	.19	8	1.39	<2	<2	51	7	.05	<5	127	22	1

09-SND-10

Pioneer Laboratories Inc. Report Numbers: 2092379 (Samples: 285209-285250; 287051-287178)

09-SND-10																			
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
285209	1/2 core	6.08	6.90	0.82	.4	1.07	13	5	50	<10	1.18	<1	12	35	225	3.67	.07	.73	202
285210	1/2 core	6.90	7.40	0.50	.1	1.37	20	6	62	<10	1.78	<1	10	29	272	3.07	.13	.63	184
285211	1/2 core	7.40	8.26	0.86	.2	2.29	<5	<5	23	<10	2.81	<1	27	34	721	4.12	.15	2.20	1667
285212	1/2 core	8.26	8.72	0.46	.6	2.24	31	<5	35	<10	2.77	<1	24	42	585	4.87	.14	2.23	1528
285213	1/2 core	8.72	9.12	0.40	.4	1.51	<5	<5	28	<10	2.07	<1	18	25	223	3.76	.12	1.59	1011
285214	1/2 core	9.12	10.22	1.10	.7	2.74	14	<5	13	<10	1.65	<1	34	35	2583	4.42	.13	2.57	1490
285215	1/2 core	10.22	12.16	1.94	.5	2.23	13	<5	23	<10	2.48	<1	27	28	1161	4.14	.16	2.17	1463
285216	1/2 core	12.16	13.68	1.52	.3	2.28	<5	<5	55	<10	2.79	<1	26	31	922	4.35	.20	2.19	1454
285217	1/2 core	13.68	15.20	1.52	.2	1.79	7	<5	440	<10	3.83	<1	19	25	389	3.90	.14	1.50	1246
285218	1/2 core	15.20	16.49	1.29	.4	1.91	5	<5	24	<10	2.78	<1	18	24	160	4.41	.16	1.63	940
285219	1/2 core	16.49	18.24	1.75	.7	1.23	6	<5	401	<10	1.39	<1	14	30	254	3.67	.10	1.26	531
285220	1/2 core	18.24	19.34	1.10	.4	1.24	15	<5	541	<10	1.40	<1	12	29	186	3.57	.09	1.29	558
285221	1/2 core	19.34	20.55	1.21	.2	1.23	23	5	77	<10	1.38	<1	13	26	88	3.56	.10	1.32	520
285222	1/2 core	20.55	21.50	0.95	.3	1.60	22	<5	26	<10	2.49	<1	16	30	95	4.39	.15	1.50	686
285223	1/2 core	21.50	22.45	0.95	.4	1.67	9	6	23	<10	2.26	<1	17	24	328	4.44	.16	1.46	546
285224	standard 1: CDN-CGS-16				1.1	1.93	51	<5	131	<10	4.57	1	21	35	1137	5.25	.37	1.85	834
285225	blank 2				.1	3.00	<5	<5	31	<10	2.35	<1	5	26	49	2.33	.09	.35	148
285226	1/2 core	22.45	24.10	1.65	.3	1.96	<5	6	59	<10	3.41	<1	18	22	129	4.46	.20	1.56	776
285227	1/2 core	24.10	25.20	1.10	.2	1.36	<5	<5	16	<10	3.13	<1	20	16	127	4.31	.19	1.33	594
285228	1/2 core	25.20	26.30	1.10	.5	1.16	15	<5	59	<10	5.43	<1	21	15	326	4.18	.23	1.31	1199
285229	1/2 core	26.30	27.20	0.90	.5	1.09	5	<5	37	<10	6.68	<1	17	22	280	3.07	.22	1.22	1742
285230	1/2 core	27.20	27.93	0.73	.1	.96	<5	<5	29	<10	6.06	<1	16	11	813	3.28	.23	.76	1250
285231	1/2 core	27.93	28.80	0.87	.7	.65	15	7	968	<10	4.43	<1	18	15	986	3.64	.26	1.21	1725
285232	1/2 core	28.80	29.90	1.10	18.8	.47	41	<5	662	<10	3.56	2	12	18	885	2.16	.34	1.24	1290
285233	1/2 core	29.90	31.10	1.20	1.1	1.38	6	5	51	<10	4.63	<1	20	22	1009	3.38	.26	1.33	1596
285234	1/2 core	31.10	31.90	0.80	.4	1.40	<5	<5	35	<10	4.97	<1	22	24	433	3.71	.25	1.41	1626
285235	1/2 core	31.90	32.78	0.88	.6	1.51	9	5	18	<10	4.87	<1	21	20	850	3.50	.20	1.35	1536
285236	1/2 core	32.78	33.55	0.77	.3	2.05	<5	<5	69	<10	4.21	<1	22	26	271	3.88	.23	1.79	1518
285237	1/2 core	33.55	34.45	0.90	1.4	1.75	22	<5	158	<10	3.73	<1	20	27	322	3.56	.24	1.59	1486
285238	1/2 core	34.45	35.50	1.05	1.3	1.93	<5	<5	189	<10	4.11	<1	24	31	230	4.08	.25	1.94	1668
285239	1/2 core	35.50	36.50	1.00	1.0	1.51	13	6	19	<10	3.89	<1	18	20	274	3.71	.30	.98	1190
285240	1/2 core	36.50	37.62	1.12	1.1	2.01	<5	<5	270	<10	4.61	<1	23	26	547	3.82	.22	1.83	1521

09-SND-10																			
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
285241	standard 1: CDN-CGS-16				1.0	1.79	51	<5	126	<10	4.23	1	19	33	1080	4.93	.34	1.73	782
285242	blank 2				.1	2.85	13	<5	92	<10	1.30	<1	9	29	45	3.44	.11	.33	150
285243	1/2 core	37.62	38.55	0.93	2.0	.87	8	6	61	<10	3.02	<1	10	11	372	1.82	.41	.95	1445
285244	1/2 core	38.55	40.10	1.55	.8	.88	8	<5	20	<10	3.11	<1	13	13	371	2.82	.23	1.14	1315
285245	1/2 core	40.10	41.00	0.90	.1	1.55	<5	6	34	<10	1.25	<1	17	20	82	4.23	.13	1.32	700
285246	1/2 core	41.00	42.58	1.58	.3	1.49	12	5	36	<10	1.73	<1	26	21	175	4.05	.11	1.39	888
285247	1/2 core	42.58	43.98	1.40	1.1	1.87	11	<5	27	<10	1.75	<1	22	20	278	4.64	.15	1.51	962
285248	1/2 core	43.98	45.62	1.64	5.2	1.61	31	6	292	<10	2.98	2	19	16	3224	4.00	.20	1.35	1399
285249	1/2 core	45.62	46.77	1.15	.5	2.18	<5	<5	35	<10	2.83	<1	18	17	236	3.88	.17	2.07	1569
285250	1/2 core	46.77	47.52	0.75	.3	1.42	6	<5	29	<10	2.66	<1	14	14	183	3.56	.24	1.22	1331
287051	1/2 core	47.52	48.17	0.65	.7	.61	<5	<5	751	<10	4.27	<1	16	12	372	3.85	.23	2.70	1644
287052	1/2 core	48.17	49.15	0.98	.1	1.63	32	6	19	<10	2.82	<1	19	14	163	4.06	.19	1.11	1121
287053	1/2 core	49.15	50.42	1.27	.3	1.70	10	8	27	<10	3.02	<1	17	16	138	4.29	.18	1.14	1271
287054	1/2 core	50.42	51.70	1.28	.2	2.07	<5	<5	22	<10	1.84	<1	14	19	228	3.97	.13	2.10	1171
287055	1/2 core	51.70	52.55	0.85	.1	1.95	<5	<5	12	<10	2.39	<1	15	23	77	3.57	.08	2.11	1231
287056	1/2 core	52.55	54.15	1.60	.3	1.52	<5	6	142	<10	1.18	<1	17	22	229	4.72	.12	1.35	563
287057	1/2 core	54.15	54.74	0.59	.2	1.35	<5	5	>10,000	<10	3.17	<1	18	15	73	4.07	.14	1.72	1401
287058	standard 1: CDN-CGS-16				1.2	1.83	44	<5	144	<10	2.60	<1	19	34	1090	5.57	.35	1.75	792
287059	blank 2				.1	2.42	<5	<5	46	<10	1.22	<1	7	27	50	3.25	.09	.32	148
287060	1/2 core	54.74	55.74	1.00	.4	.58	<5	<5	21	<10	3.20	<1	14	14	280	2.91	.27	1.58	1679
287061	1/2 core	55.74	56.74	1.00	.7	.63	8	5	25	<10	2.59	<1	16	24	219	3.27	.26	1.09	1686
287062	1/2 core	56.74	57.78	1.04	.8	.68	<5	<5	61	<10	3.32	<1	13	36	493	3.38	.28	1.02	1832
287063	1/2 core	57.78	58.75	0.97	.3	1.40	<5	<5	140	<10	3.28	<1	18	23	264	3.75	.24	1.27	1896
287064	1/2 core	58.75	59.42	0.67	.6	1.72	31	<5	442	<10	2.18	<1	29	54	3002	4.41	.23	2.21	1898
287065	1/2 core	59.42	60.82	1.40	.5	1.73	17	<5	1454	<10	3.02	<1	23	40	587	4.18	.21	1.72	1972
287066	1/2 core	60.82	61.90	1.08	.3	2.05	20	<5	124	<10	2.84	<1	24	35	1164	4.51	.17	1.95	1943
287067	1/2 core	61.90	62.85	0.95	.4	2.19	9	<5	29	<10	2.30	<1	25	43	951	5.20	.18	2.05	1847
287068	1/2 core	62.85	63.86	1.01	.7	2.30	19	5	23	<10	2.43	<1	24	26	403	4.74	.24	2.03	1789
287069	1/2 core	63.86	65.00	1.14	1.5	1.76	<5	<5	92	<10	2.69	<1	23	23	919	4.34	.26	1.57	2015
287070	1/2 core	65.00	65.80	0.80	2.2	1.76	25	<5	58	<10	3.14	<1	22	25	1642	4.48	.22	1.58	2178
287071	1/2 core	65.80	66.80	1.00	.6	2.09	24	<5	76	<10	2.62	<1	26	24	1034	5.00	.20	1.98	2149
287072	1/2 core	66.80	67.80	1.00	.7	1.04	14	<5	21	<10	3.15	<1	24	22	1448	4.88	.21	1.93	2146
287073	1/2 core	67.80	68.88	1.08	1.3	.66	27	<5	66	<10	2.61	<1	19	20	1505	3.79	.23	1.04	1844
287074	1/2 core	68.88	69.94	1.06	1.9	.74	9	6	262	<10	4.23	<1	16	12	1385	3.20	.31	.62	2118
287075	standard 1: CDN-CGS-16				1.1	1.80	65	5	127	<10	2.52	<1	18	34	1073	5.50	.35	1.73	783

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Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287076	blank 2				.2	1.94	<5	<5	45	<10	.91	<1	5	30	35	2.90	.11	.50	204
287077	1/2 core	69.94	71.20	1.26	1.2	.57	12	<5	396	<10	4.94	<1	16	12	1171	3.46	.28	.71	2411
287078	1/2 core	71.20	72.26	1.06	1.6	.42	<5	<5	2383	<10	2.61	<1	15	11	289	3.39	.27	1.07	1441
287079	1/2 core	72.26	73.35	1.09	3.1	.35	13	6	1902	<10	2.44	1	13	14	467	3.07	.28	.85	1288
287080	1/2 core	73.35	74.45	1.10	3.0	.37	16	5	996	<10	3.06	<1	15	13	537	3.45	.29	1.09	1681
287081	1/2 core	74.45	75.25	0.80	1.1	.54	28	7	1544	<10	4.73	<1	13	12	564	3.32	.38	.63	1556
287082	1/2 core	75.25	75.75	0.50	1.6	.75	32	6	120	<10	4.59	<1	14	13	339	2.99	.33	.71	1324
287083	1/2 core	75.75	76.72	0.97	.3	.53	<5	5	29	<10	4.52	<1	18	21	232	4.66	.35	.85	1705
287084	1/2 core	76.72	77.72	1.00	.2	.60	25	6	23	<10	4.27	<1	23	24	224	4.74	.31	1.09	1629
287085	1/2 core	77.72	78.85	1.13	.3	.62	28	5	22	<10	5.12	<1	19	19	342	4.20	.32	.88	1725
287086	1/2 core	78.85	79.90	1.05	.1	.69	16	5	25	<10	4.19	<1	18	14	453	4.10	.31	.82	1532
287087	1/2 core	79.90	80.95	1.05	1.3	.49	<5	6	43	<10	6.21	4	13	15	740	3.23	.30	.55	2036
287088	1/2 core	80.95	82.34	1.39	6.7	.41	125	5	59	<10	4.66	12	8	11	733	2.08	.27	.31	1457
287089	1/2 core	82.34	83.34	1.00	3.7	.43	61	5	85	<10	6.25	5	6	13	422	1.40	.29	.19	1658
287090	1/2 core	83.34	84.24	0.90	6.6	.45	96	6	307	<10	6.68	4	5	15	1008	1.71	.28	.20	1604
287091	1/2 core	84.24	84.84	0.60	2.1	.72	33	<5	354	<10	6.32	2	10	16	770	2.38	.27	.35	1683
287092	standard 1: CDN-CGS-16				1.2	1.81	56	<5	137	<10	4.05	1	19	34	1050	4.96	.36	1.73	786
287093	blank 2				.1	2.13	17	<5	38	<10	1.55	<1	6	28	32	2.60	.11	.51	219
287094	1/2 core	84.84	85.60	0.76	1.8	.63	20	5	1104	<10	5.11	<1	7	17	1232	1.63	.30	.19	1095
287095	1/2 core	85.60	86.30	0.70	5.0	.52	33	6	325	<10	4.52	3	5	15	1448	1.13	.27	.15	1040
287096	1/2 core	86.30	87.25	0.95	1.4	.63	<5	5	33	<10	4.08	1	6	16	1128	1.44	.28	.22	1112
287097	1/2 core	87.25	88.03	0.78	.1	.66	<5	6	114	<10	5.74	<1	8	15	580	1.82	.29	.30	1806
287098	1/2 core	88.03	88.84	0.81	7.1	.30	85	<5	557	<10	3.03	3	7	20	1005	1.25	.27	.24	1024
287099	1/2 core	88.84	89.66	0.82	3.3	.48	58	5	456	<10	3.81	5	10	15	812	2.22	.30	.81	1726
287100	1/2 core	89.66	90.56	0.90	15.8	.57	53	6	99	<10	4.91	13	9	14	1605	2.05	.28	.28	1617
287101	1/2 core	90.56	91.40	0.84	.9	.90	13	5	463	<10	5.08	2	11	18	586	2.32	.30	.44	1810
287102	1/2 core	91.40	92.32	0.92	1.7	.59	54	6	245	<10	3.63	1	9	14	694	1.77	.27	.45	1354
287103	1/2 core	92.32	93.32	1.00	2.5	1.82	72	5	21	<10	2.30	<1	24	21	1682	5.11	.26	1.42	2712
287104	1/2 core	93.32	94.26	0.94	1.7	2.57	41	6	16	<10	2.62	<1	27	24	3527	5.87	.24	1.74	2749
287105	1/2 core	94.26	95.00	0.74	1.6	2.65	65	<5	23	<10	1.59	<1	24	21	5750	5.54	.25	1.69	2267
287106	1/2 core	95.00	95.73	0.73	1.8	3.18	48	7	19	<10	1.54	<1	26	22	1969	6.47	.23	1.91	2281
287107	1/2 core	95.73	96.98	1.25	.8	2.66	22	<5	29	<10	2.22	<1	22	23	1824	5.20	.24	1.73	2588
287108	standard 2: CDN-CGS-18				3.2	1.98	52	<5	95	<10	.82	1	15	55	3188	4.58	.19	.93	744
287109	blank 2				.1	2.40	<5	<5	36	<10	1.79	<1	6	33	44	2.66	.10	.53	226
287110	1/2 core	96.98	98.10	1.12	1.2	2.37	40	5	16	<10	2.64	<1	24	35	2550	5.23	.23	1.58	2181

09-SND-10																			
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287111	1/2 core	98.10	99.00	0.90	.6	2.81	<5	<5	15	<10	3.27	<1	23	34	623	5.31	.23	1.99	2441
287112	1/2 core	99.00	99.80	0.80	.5	2.50	40	<5	21	<10	4.29	3	21	28	346	4.48	.22	1.72	2792
287113	1/2 core	99.80	100.50	0.70	.4	2.76	<5	<5	17	<10	2.03	<1	23	22	74	5.70	.20	1.64	2536
287114	1/2 core	100.50	101.60	1.10	.1	2.04	27	<5	25	<10	4.71	<1	18	24	39	3.96	.24	1.24	2054
287115	1/2 core	101.60	102.30	0.70	.2	1.83	24	<5	30	<10	5.37	<1	15	22	65	3.38	.23	1.13	2003
287116	1/2 core	102.30	102.95	0.65	.1	1.98	50	<5	23	<10	5.14	<1	14	25	53	3.67	.22	1.14	1931
287117	1/2 core	102.95	103.90	0.95	.2	2.03	13	<5	22	<10	4.23	<1	17	24	58	4.14	.23	1.41	2022
287118	1/2 core	103.90	104.95	1.05	.1	1.87	16	<5	18	<10	3.78	<1	15	26	66	3.94	.22	1.37	1771
287119	1/2 core	104.95	105.55	0.60	.2	1.71	11	6	198	<10	4.31	<1	16	25	112	3.75	.21	1.26	1544
287120	1/2 core	105.55	106.42	0.87	.3	2.18	25	<5	21	<10	4.54	<1	18	22	147	4.27	.22	1.44	1986
287121	1/2 core	106.42	107.22	0.80	.1	1.77	15	<5	22	<10	3.17	<1	17	21	163	3.81	.18	1.47	1651
287122	1/2 core	107.22	108.22	1.00	.3	2.19	26	<5	29	<10	2.68	<1	23	22	235	4.01	.19	1.61	1713
287123	1/2 core	108.22	109.46	1.24	10.4	2.17	38	<5	24	<10	3.65	<1	22	23	62	3.81	.18	1.56	1838
287124	1/2 core	109.46	110.46	1.00	9.9	2.06	<5	<5	24	<10	2.13	<1	20	25	116	3.90	.14	1.82	1543
287125	standard 1: CDN-CGS-16				1.5	1.85	49	<5	99	<10	3.88	1	23	26	1050	4.50	.33	1.66	753
287126	blank 2				.2	2.39	<5	<5	34	<10	1.62	<1	6	27	35	2.30	.11	.47	210
287127	1/2 core	110.46	111.40	0.94	.4	2.38	7	<5	25	<10	1.82	<1	23	23	226	4.24	.15	1.92	1902
287128	1/2 core	111.40	112.50	1.10	.1	2.06	13	<5	37	<10	2.00	<1	20	27	303	3.84	.16	1.53	1907
287129	1/2 core	112.50	113.60	1.10	.8	2.23	20	<5	30	<10	1.90	<1	23	23	2667	4.60	.15	1.52	1903
287130	1/2 core	113.60	115.20	1.60	1.6	3.61	24	<5	19	<10	.97	<1	34	21	4150	7.68	.17	1.95	3255
287131	1/2 core	115.20	116.10	0.90	1.0	3.62	28	<5	24	<10	1.32	<1	30	18	2610	7.13	.18	1.92	3240
287132	1/2 core	116.10	116.80	0.70	.3	2.02	15	<5	23	<10	3.23	<1	19	17	266	3.24	.17	1.36	1792
287133	1/2 core	116.80	117.50	0.70	.1	2.22	14	<5	33	<10	3.67	<1	20	16	131	3.69	.19	1.59	1898
287134	1/2 core	117.50	118.58	1.08	2.2	2.93	46	<5	29	<10	.97	<1	31	21	4205	6.37	.20	1.63	2579
287135	1/2 core	118.58	119.48	0.90	2.5	2.84	53	<5	34	<10	1.20	<1	30	25	7890	6.43	.18	1.61	2585
287136	1/2 core	119.48	120.35	0.87	3.2	2.37	67	<5	22	<10	1.82	<1	31	17	5710	5.53	.19	1.29	2331
287137	1/2 core	120.35	121.35	1.00	.4	2.32	22	<5	93	<10	4.38	<1	22	16	350	3.70	.27	1.39	2463
287138	1/2 core	121.35	122.10	0.75	.1	2.30	7	<5	23	<10	3.29	<1	21	22	135	4.00	.16	1.71	1881
287139	1/2 core	122.10	123.50	1.40	.1	2.04	<5	<5	21	<10	3.60	<1	20	21	99	3.88	.13	1.63	1712
287140	1/2 core	123.50	124.66	1.16	.2	1.77	10	<5	27	<10	2.50	<1	18	19	86	3.66	.14	1.43	1335
287141	1/2 core	124.66	126.27	1.61	.3	1.82	8	<5	52	<10	2.31	<1	17	18	74	3.54	.13	1.55	1476
287142	standard 1: CDN-CGS-16				1.1	2.01	55	<5	132	<10	4.20	1	24	28	1119	4.87	.35	1.80	819
287143	blank 2				.1	2.68	<5	<5	48	<10	2.04	<1	6	21	19	2.53	.10	.53	224
287144	1/2 core	126.27	127.70	1.43	15.7	1.63	<5	<5	37	<10	2.44	<1	19	20	64	3.77	.17	1.38	1186
287145	1/2 core	127.70	128.35	0.65	.3	1.95	12	<5	30	<10	3.88	<1	20	18	84	3.74	.15	1.45	1450

09-SND-10																			
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287146	1/2 core	128.35	129.15	0.80	.2	2.23	11	<5	23	<10	4.18	<1	18	16	96	3.82	.19	1.36	2106
287147	1/2 core	129.15	129.95	0.80	.3	1.99	44	<5	22	<10	3.95	<1	22	18	107	3.95	.18	1.33	2181
287148	1/2 core	129.95	130.95	1.00	.1	2.11	34	<5	67	<10	3.34	<1	20	22	119	4.00	.17	1.54	1718
287149	1/2 core	130.95	131.35	0.40	.3	1.75	<5	5	34	<10	4.59	<1	17	18	603	3.36	.20	1.17	1548
287150	1/2 core	131.35	131.85	0.50	.4	2.15	39	<5	24	<10	3.80	<1	22	20	116	3.87	.18	1.59	1786
287151	1/2 core	131.85	132.53	0.68	.1	1.77	36	<5	32	<10	4.72	<1	18	15	119	3.27	.20	1.03	1642
287152	1/2 core	132.53	133.13	0.60	.2	1.96	21	<5	23	<10	5.08	<1	20	16	107	3.49	.21	1.11	1721
287153	1/2 core	133.13	133.78	0.65	.1	2.05	<5	<5	17	<10	2.23	<1	22	18	1080	3.87	.13	1.39	1658
287154	1/2 core	133.78	134.53	0.75	1.4	2.75	55	<5	21	<10	1.80	<1	29	17	2345	5.41	.18	1.68	2595
287155	1/2 core	134.53	135.30	0.77	1.3	2.62	42	<5	22	<10	1.49	<1	26	18	4390	5.09	.19	1.62	2323
287156	1/2 core	135.30	136.40	1.10	5.3	1.98	22	<5	36	<10	2.74	<1	22	22	175	4.15	.18	1.44	1483
287157	1/2 core	136.40	137.20	0.80	.3	1.66	<5	<5	34	<10	1.70	<1	20	26	129	3.77	.12	1.69	976
287158	1/2 core	137.20	137.60	0.40	.2	1.74	<5	<5	37	<10	2.46	<1	19	25	120	3.72	.14	1.60	1195
287159	standard 2: CDN-CGS-18				2.8	1.90	57	<5	88	<10	.70	<1	16	38	3150	3.97	.16	.85	678
287160	blank 2				.2	3.17	<5	<5	35	<10	2.05	<1	6	30	47	2.13	.09	.37	168
287161	1/2 core	137.60	138.10	0.50	.4	1.66	12	<5	99	<10	2.17	<1	20	28	92	3.73	.13	1.50	1043
287162	1/2 core	138.10	138.50	0.40	.3	1.59	27	<5	20	<10	2.80	<1	15	30	111	3.60	.14	1.39	1211
287163	1/2 core	138.50	139.10	0.60	.2	1.50	49	<5	95	<10	2.15	<1	14	26	83	3.59	.12	1.43	1163
287164	1/2 core	139.10	139.86	0.76	3.7	1.62	11	<5	27	<10	1.95	<1	15	30	73	3.55	.07	1.66	857
287165	1/2 core	139.86	140.86	1.00	.4	1.79	<5	6	26	<10	2.26	<1	16	29	102	3.71	.08	1.78	895
287166	1/2 core	140.86	141.86	1.00	.5	1.77	20	5	29	<10	1.83	<1	17	35	144	4.22	.10	1.75	1124
287167	1/2 core	141.86	142.90	1.04	.1	1.76	21	6	36	<10	1.61	<1	15	29	97	3.53	.08	1.52	790
287168	1/2 core	142.90	143.55	0.65	.4	1.77	15	5	38	<10	1.59	<1	16	22	41	3.47	.07	1.50	756
287169	1/2 core	143.55	144.55	1.00	.1	2.22	6	<5	49	<10	2.88	<1	14	21	63	3.28	.08	1.65	1031
287170	1/2 core	144.55	145.30	0.75	.2	1.83	<5	<5	38	<10	3.04	<1	16	23	67	3.82	.15	1.58	1488
287171	1/2 core	145.30	145.94	0.64	.1	2.12	16	7	638	<10	5.07	<1	14	17	57	2.70	.16	1.31	1395
287172	1/2 core	145.94	146.94	1.00	.2	1.70	22	<5	41	<10	2.85	<1	13	22	81	3.46	.09	1.53	1380
287173	1/2 core	146.94	148.00	1.06	.1	1.52	<5	<5	27	<10	2.37	<1	14	26	62	3.70	.08	1.46	1413
287174	1/2 core	148.00	148.98	0.98	.6	1.27	7	<5	39	<10	1.33	<1	15	33	67	3.74	.15	1.36	661
287175	1/2 core	148.98	150.00	1.02	.2	1.44	20	<5	31	<10	2.42	<1	14	27	62	3.63	.14	1.24	1059
287176	standard 1: CDN-CGS-16				1.1	1.73	60	<5	122	<10	4.00	1	19	33	1043	4.91	.33	1.70	771
287177	blank 2				.1	2.65	<5	<5	36	<10	1.90	<1	6	28	40	2.13	.10	.45	177
287178	1/2 core	150.00	151.00	1.00	.3	1.31	15	<5	27	<10	1.36	<1	16	32	58	3.74	.09	1.45	707

09-SND-10

Pioneer Laboratories Inc. Report Numbers: 2092379 (Samples: 285209-285250; 287051-287178)

09-SND-10																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
285209	1/2 core	6.08	6.90	0.82	3	.06	16	.15	7	.03	<2	<2	28	10	0.09	<5	161	77	1
285210	1/2 core	6.90	7.40	0.50	2	.04	12	.13	9	.01	<2	<2	27	7	0.12	<5	134	87	2
285211	1/2 core	7.40	8.26	0.86	1	.02	24	.11	12	.05	<2	<2	51	6	0.02	<5	110	121	1
285212	1/2 core	8.26	8.72	0.46	1	.03	25	.12	11	.04	<2	<2	37	9	0.03	<5	144	109	2
285213	1/2 core	8.72	9.12	0.40	2	.01	18	.11	10	.02	<2	<2	31	7	0.08	<5	136	102	3
285214	1/2 core	9.12	10.22	1.10	2	.02	24	.09	14	.17	5	<2	55	8	0.05	<5	89	119	1
285215	1/2 core	10.22	12.16	1.94	1	.01	21	.13	13	.08	<2	<2	36	7	0.03	<5	105	115	1
285216	1/2 core	12.16	13.68	1.52	2	.03	24	.12	14	.07	<2	<2	42	9	0.01	<5	114	137	2
285217	1/2 core	13.68	15.20	1.52	1	.02	19	.11	8	.03	<2	<2	56	8	0.02	<5	123	94	1
285218	1/2 core	15.20	16.49	1.29	2	.03	24	.13	12	.01	<2	<2	47	10	0.01	<5	130	106	2
285219	1/2 core	16.49	18.24	1.75	1	.05	15	.11	13	.02	<2	<2	34	8	0.09	<5	138	99	1
285220	1/2 core	18.24	19.34	1.10	2	.04	14	.12	9	.03	<2	<2	40	6	0.08	<5	134	85	2
285221	1/2 core	19.34	20.55	1.21	1	.03	17	.11	11	.01	<2	<2	26	7	0.09	<5	133	100	3
285222	1/2 core	20.55	21.50	0.95	2	.04	20	.12	8	.02	<2	<2	41	8	0.06	<5	149	97	1
285223	1/2 core	21.50	22.45	0.95	3	.03	17	.15	12	.09	<2	<2	42	12	0.04	<5	152	80	1
285224	standard 1: CDN-CGS-16				15	.10	27	.16	22	1.42	<2	<2	135	7	0.03	<5	133	124	147
285225	blank 2				2	.34	5	.07	12	.02	3	<2	70	<5	0.06	<5	182	78	1
285226	1/2 core	22.45	24.10	1.65	1	.03	25	.12	10	.03	<2	<2	60	13	0.01	<5	119	103	1
285227	1/2 core	24.10	25.20	1.10	2	.01	22	.11	11	.02	<2	<2	65	11	0.02	<5	87	99	2
285228	1/2 core	25.20	26.30	1.10	1	.02	21	.12	132	.04	<2	<2	96	8	0.01	<5	83	119	1
285229	1/2 core	26.30	27.20	0.90	3	.01	22	.07	11	.03	3	<2	89	<5	0.02	<5	85	121	2
285230	1/2 core	27.20	27.93	0.73	2	.01	18	.13	10	.08	<2	<2	79	<5	0.01	<5	98	131	3
285231	1/2 core	27.93	28.80	0.87	1	.02	17	.11	12	.12	3	<2	90	<5	0.02	<5	67	120	1
285232	1/2 core	28.80	29.90	1.10	2	.02	10	.12	9	.08	78	<2	76	<5	0.01	<5	28	147	1
285233	1/2 core	29.90	31.10	1.20	1	.01	18	.10	15	.09	<2	<2	59	6	0.02	<5	73	120	1
285234	1/2 core	31.10	31.90	0.80	2	.01	20	.11	12	.04	<2	<2	64	7	0.01	<5	83	125	1
285235	1/2 core	31.90	32.78	0.88	1	.02	19	.10	11	.07	<2	<2	55	5	0.02	<5	76	133	2
285236	1/2 core	32.78	33.55	0.77	2	.01	23	.09	14	.02	2	<2	67	6	0.01	<5	81	120	1
285237	1/2 core	33.55	34.45	0.90	1	.02	21	.10	15	.01	<2	<2	72	7	0.01	<5	63	109	2
285238	1/2 core	34.45	35.50	1.05	2	.01	25	.09	16	.02	5	<2	81	5	0.02	<5	64	110	1
285239	1/2 core	35.50	36.50	1.00	1	.02	19	.11	8	.01	<2	<2	86	<5	0.02	<5	81	107	2
285240	1/2 core	36.50	37.62	1.12	2	.01	25	.10	14	.06	7	<2	71	9	0.01	<5	102	126	4
285241	standard 1: CDN-CGS-16				16	.09	26	.15	18	1.34	<2	<2	127	10	0.03	<5	123	123	148

09-SND-10																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
285242	blank 2				3	.33	5	.09	12	.02	<2	<2	153	7	0.05	<5	203	74	1
285243	1/2 core	37.62	38.55	0.93	1	.02	11	.12	13	.04	9	<2	81	<5	0.02	<5	56	118	2
285244	1/2 core	38.55	40.10	1.55	2	.01	15	.10	12	.03	<2	<2	123	<5	0.01	<5	76	107	6
285245	1/2 core	40.10	41.00	0.90	1	.03	18	.09	8	.01	<2	<2	75	9	0.02	<5	115	103	2
285246	1/2 core	41.00	42.58	1.58	2	.02	19	.10	11	.05	<2	<2	71	8	0.02	<5	109	106	1
285247	1/2 core	42.58	43.98	1.40	1	.02	24	.08	10	.03	<2	<2	107	9	0.01	<5	97	132	2
285248	1/2 core	43.98	45.62	1.64	3	.01	19	.09	15	.59	57	<2	92	6	0.02	<5	72	134	2
285249	1/2 core	45.62	46.77	1.15	2	.02	20	.14	10	.02	<2	<2	66	<5	0.01	<5	91	136	1
285250	1/2 core	46.77	47.52	0.75	1	.01	16	.13	16	.03	4	<2	70	6	0.02	<5	95	125	1
287051	1/2 core	47.52	48.17	0.65	2	.03	15	.09	15	.06	2	<2	107	<5	0.01	<5	74	120	2
287052	1/2 core	48.17	49.15	0.98	1	.02	25	.13	11	.02	<2	<2	85	6	0.02	<5	86	131	1
287053	1/2 core	49.15	50.42	1.27	2	.03	24	.10	12	.01	2	<2	91	10	0.01	<5	101	111	1
287054	1/2 core	50.42	51.70	1.28	1	.02	25	.11	14	.02	<2	<2	59	<5	0.01	<5	103	122	1
287055	1/2 core	51.70	52.55	0.85	2	.03	24	.10	20	.15	<2	<2	80	<5	0.02	<5	94	139	1
287056	1/2 core	52.55	54.15	1.60	3	.04	20	.11	11	.03	<2	<2	59	10	0.05	<5	133	103	2
287057	1/2 core	54.15	54.74	0.59	1	.03	25	.10	14	.07	<2	<2	173	9	0.01	<5	83	139	1
287058	standard 1: CDN-CGS-16				14	.09	26	.15	18	1.35	<2	<2	128	8	0.03	<5	137	111	135
287059	blank 2				5	.27	4	.08	9	.01	<2	<2	78	6	0.05	<5	196	81	1
287060	1/2 core	54.74	55.74	1.00	3	.03	16	.11	13	.04	3	<2	104	<5	0.01	<5	47	153	2
287061	1/2 core	55.74	56.74	1.00	2	.02	22	.12	11	.02	<2	<2	71	<5	0.02	<5	72	150	1
287062	1/2 core	56.74	57.78	1.04	2	.03	18	.10	9	.05	2	<2	77	8	0.01	<5	95	140	1
287063	1/2 core	57.78	58.75	0.97	1	.02	21	.11	8	.04	<2	<2	65	7	0.01	<5	96	150	2
287064	1/2 core	58.75	59.42	0.67	4	.01	27	.12	11	.36	<2	<2	72	<5	0.02	<5	73	102	1
287065	1/2 core	59.42	60.82	1.40	3	.02	24	.11	9	.08	<2	<2	68	10	0.01	<5	90	93	2
287066	1/2 core	60.82	61.90	1.08	2	.01	23	.10	11	.11	<2	<2	47	9	0.01	<5	110	109	1
287067	1/2 core	61.90	62.85	0.95	2	.02	28	.11	15	.09	<2	<2	45	7	0.02	<5	143	105	1
287068	1/2 core	62.85	63.86	1.01	2	.01	24	.10	11	.03	<2	<2	62	5	0.01	<5	101	94	1
287069	1/2 core	63.86	65.00	1.14	2	.02	23	.11	14	.09	<2	<2	64	6	0.02	<5	90	112	1
287070	1/2 core	65.00	65.80	0.80	1	.01	21	.12	13	.15	16	<2	61	<5	0.01	<5	94	109	2
287071	1/2 core	65.80	66.80	1.00	1	.02	24	.10	14	.09	<2	<2	60	5	0.02	<5	106	114	1
287072	1/2 core	66.80	67.80	1.00	1	.03	22	.11	8	.12	<2	<2	96	6	0.01	<5	102	161	2
287073	1/2 core	67.80	68.88	1.08	1	.02	19	.10	13	.13	5	<2	73	<5	0.02	<5	61	85	1
287074	1/2 core	68.88	69.94	1.06	2	.01	15	.11	9	.12	<2	<2	91	6	0.01	<5	36	79	1
287075	standard 1: CDN-CGS-16				16	.10	26	.15	19	1.34	<2	<2	127	<5	0.03	<5	136	120	145
287076	blank 2				2	.16	5	.07	10	.01	<2	<2	52	<5	0.07	<5	144	21	1

09-SND-10																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287077	1/2 core	69.94	71.20	1.26	2	.02	13	.10	9	.12	5	<2	101	<5	0.01	<5	29	85	12
287078	1/2 core	71.20	72.26	1.06	2	.03	12	.08	12	.08	16	<2	116	6	0.02	<5	47	65	1
287079	1/2 core	72.26	73.35	1.09	2	.02	14	.05	11	.11	17	<2	83	<5	0.01	<5	35	85	2
287080	1/2 core	73.35	74.45	1.10	1	.03	21	.09	17	.08	3	<2	121	6	0.02	<5	50	84	1
287081	1/2 core	74.45	75.25	0.80	2	.02	16	.10	16	.17	<2	<2	133	<5	0.01	<5	37	200	1
287082	1/2 core	75.25	75.75	0.50	1	.04	14	.08	13	.07	8	<2	120	5	0.02	<5	42	128	2
287083	1/2 core	75.75	76.72	0.97	2	.03	22	.07	9	.03	<2	<2	91	9	0.01	<5	69	156	1
287084	1/2 core	76.72	77.72	1.00	1	.02	21	.09	13	.05	<2	<2	106	7	0.01	<5	88	197	1
287085	1/2 core	77.72	78.85	1.13	2	.03	20	.08	12	.04	<2	<2	100	<5	0.01	<5	79	130	1
287086	1/2 core	78.85	79.90	1.05	1	.01	23	.10	11	.05	<2	<2	88	8	0.02	<5	74	185	2
287087	1/2 core	79.90	80.95	1.05	2	.02	12	.08	24	.13	12	<2	85	<5	0.01	<5	40	608	1
287088	1/2 core	80.95	82.34	1.39	3	.01	8	.09	32	.26	73	<2	68	<5	0.02	<5	24	1286	1
287089	1/2 core	82.34	83.34	1.00	2	.02	6	.10	40	.12	41	<2	74	<5	0.01	<5	25	633	1
287090	1/2 core	83.34	84.24	0.90	3	.01	5	.09	92	.10	124	<2	84	<5	0.02	<5	48	554	2
287091	1/2 core	84.24	84.84	0.60	2	.02	12	.11	128	.11	50	<2	74	<5	0.01	<5	57	378	1
287092	standard 1: CDN-CGS-16				14	.09	27	.15	21	1.33	4	<2	126	14	0.03	<5	125	120	135
287093	blank 2				1	.21	5	.07	11	.01	<2	<2	46	6	0.08	<5	130	28	1
287094	1/2 core	84.84	85.60	0.76	5	.02	6	.09	73	.17	20	<2	74	<5	0.01	<5	36	180	1
287095	1/2 core	85.60	86.30	0.70	2	.01	5	.07	87	.16	51	<2	65	<5	0.02	<5	17	215	1
287096	1/2 core	86.30	87.25	0.95	3	.02	6	.08	32	.13	11	<2	57	<5	0.01	<5	24	189	2
287097	1/2 core	87.25	88.03	0.78	2	.01	7	.09	18	.08	3	<2	70	<5	0.02	<5	31	165	1
287098	1/2 core	88.03	88.84	0.81	3	.02	4	.08	43	.32	132	<2	61	<5	0.01	<5	11	215	1
287099	1/2 core	88.84	89.66	0.82	4	.03	8	.09	85	.37	42	<2	98	<5	0.02	<5	20	455	3
287100	1/2 core	89.66	90.56	0.90	7	.02	7	.10	132	.60	53	<2	73	<5	0.01	<5	22	1500	2
287101	1/2 core	90.56	91.40	0.84	5	.01	10	.09	103	.39	9	<2	75	<5	0.01	<5	31	386	4
287102	1/2 core	91.40	92.32	0.92	7	.02	7	.07	46	.56	15	<2	79	<5	0.01	<5	21	243	2
287103	1/2 core	92.32	93.32	1.00	14	.01	21	.08	20	.57	34	<2	57	8	0.02	<5	43	318	4
287104	1/2 core	93.32	94.26	0.94	10	.02	25	.06	24	.61	21	<2	49	12	0.01	<5	55	287	1
287105	1/2 core	94.26	95.00	0.74	12	.01	19	.08	14	.72	43	<2	40	9	0.02	<5	47	285	1
287106	1/2 core	95.00	95.73	0.73	11	.02	16	.09	15	.43	23	<2	47	10	0.01	<5	51	304	2
287107	1/2 core	95.73	96.98	1.25	5	.01	15	.07	14	.47	6	<2	44	<5	0.02	<5	47	263	1
287108	standard 2: CDN-CGS-18				38	.06	130	.08	97	.85	4	<2	36	10	0.10	<5	57	344	289
287109	blank 2				1	.21	7	.06	4	.01	<2	<2	47	7	0.09	<5	136	25	1
287110	1/2 core	96.98	98.10	1.12	6	.02	25	.08	23	1.37	4	<2	50	11	0.01	<5	88	244	1
287111	1/2 core	98.10	99.00	0.90	5	.03	24	.07	18	.58	<2	<2	67	9	0.02	<5	106	253	1

09-SND-10																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287112	1/2 core	99.00	99.80	0.80	4	.02	23	.08	22	.44	<2	<2	75	<5	0.01	<5	84	505	2
287113	1/2 core	99.80	100.50	0.70	3	.01	17	.07	12	.49	<2	<2	30	9	0.01	<5	61	218	1
287114	1/2 core	100.50	101.60	1.10	4	.02	18	.08	19	.65	<2	<2	64	<5	0.02	<5	67	185	1
287115	1/2 core	101.60	102.30	0.70	2	.01	17	.09	13	.39	<2	<2	70	8	0.01	<5	68	131	1
287116	1/2 core	102.30	102.95	0.65	3	.02	19	.08	10	.24	<2	<2	63	<5	0.01	<5	79	140	2
287117	1/2 core	102.95	103.90	0.95	1	.01	21	.09	13	.34	<2	<2	60	7	0.02	<5	92	190	14
287118	1/2 core	103.90	104.95	1.05	2	.03	20	.08	10	.13	<2	<2	74	6	0.01	<5	94	142	10
287119	1/2 core	104.95	105.55	0.60	3	.01	19	.09	12	.23	<2	<2	68	<5	0.02	<5	105	138	2
287120	1/2 core	105.55	106.42	0.87	6	.02	18	.07	14	.24	<2	<2	66	<5	0.01	<5	87	186	2
287121	1/2 core	106.42	107.22	0.80	2	.03	17	.08	7	.06	<2	<2	58	<5	0.01	<5	97	140	3
287122	1/2 core	107.22	108.22	1.00	4	.01	21	.09	10	.12	<2	<2	56	8	0.01	<5	119	164	1
287123	1/2 core	108.22	109.46	1.24	5	.02	19	.08	14	.34	<2	<2	48	7	0.02	<5	113	146	1
287124	1/2 core	109.46	110.46	1.00	4	.03	20	.09	11	.02	<2	<2	38	5	0.01	<5	128	130	1
287125	standard 1: CDN-CGS-16				17	.09	25	.15	20	1.29	<2	<2	117	11	0.02	<5	127	126	145
287126	blank 2				1	.22	4	.06	8	.01	<2	<2	46	<5	0.07	<5	126	26	1
287127	1/2 core	110.46	111.40	0.94	2	.03	19	.10	10	.10	<2	<2	35	8	0.01	<5	120	169	1
287128	1/2 core	111.40	112.50	1.10	1	.02	17	.09	11	.08	<2	<2	33	<5	0.02	<5	108	146	1
287129	1/2 core	112.50	113.60	1.10	5	.03	19	.08	9	.51	<2	<2	38	9	0.01	<5	114	179	2
287130	1/2 core	113.60	115.20	1.60	28	.02	18	.07	15	1.28	<2	<2	27	12	0.02	<5	80	284	1
287131	1/2 core	115.20	116.10	0.90	13	.01	17	.08	14	.68	<2	<2	36	11	0.01	<5	82	291	1
287132	1/2 core	116.10	116.80	0.70	2	.02	18	.07	12	.11	<2	<2	49	<5	0.01	<5	79	199	1
287133	1/2 core	116.80	117.50	0.70	1	.01	20	.08	13	.20	<2	<2	62	6	0.02	<5	106	279	2
287134	1/2 core	117.50	118.58	1.08	31	.02	16	.07	16	1.51	<2	<2	35	11	0.01	<5	71	237	13
287135	1/2 core	118.58	119.48	0.90	30	.01	14	.06	15	1.54	<2	<2	26	16	0.01	<5	67	230	6
287136	1/2 core	119.48	120.35	0.87	58	.02	15	.05	24	1.85	<2	<2	35	12	0.02	<5	49	220	9
287137	1/2 core	120.35	121.35	1.00	4	.03	20	.09	15	.26	<2	<2	90	<5	0.01	<5	78	205	3
287138	1/2 core	121.35	122.10	0.75	1	.04	22	.08	12	.04	<2	<2	98	<5	0.02	<5	133	166	1
287139	1/2 core	122.10	123.50	1.40	4	.03	20	.09	10	.02	<2	<2	88	11	0.01	<5	144	145	1
287140	1/2 core	123.50	124.66	1.16	3	.04	18	.07	8	.01	<2	<2	79	6	0.02	<5	127	108	2
287141	1/2 core	124.66	126.27	1.61	1	.03	19	.08	10	.02	<2	<2	54	<5	0.01	<5	113	132	4
287142	standard 1: CDN-CGS-16				17	.10	27	.16	18	1.40	2	<2	130	<5	0.03	<5	139	121	150
287143	blank 2				1	.19	4	.06	9	.01	<2	<2	59	<5	0.06	<5	198	28	1
287144	1/2 core	126.27	127.70	1.43	2	.04	19	.09	10	.02	<2	<2	67	6	0.03	<5	145	95	1
287145	1/2 core	127.70	128.35	0.65	1	.03	20	.08	9	.03	<2	<2	105	<5	0.01	<5	128	107	2
287146	1/2 core	128.35	129.15	0.80	2	.04	18	.09	12	.15	<2	<2	111	7	0.02	<5	90	166	1

09-SND-10																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287147	1/2 core	129.15	129.95	0.80	5	.02	19	.08	39	1.02	<2	<2	62	8	0.01	<5	88	175	2
287148	1/2 core	129.95	130.95	1.00	4	.04	21	.09	15	.21	2	<2	77	6	0.02	<5	134	110	3
287149	1/2 core	130.95	131.35	0.40	8	.02	18	.08	11	.07	<2	<2	132	7	0.01	<5	119	85	1
287150	1/2 core	131.35	131.85	0.50	5	.03	19	.09	25	.50	<2	<2	76	8	0.01	<5	116	139	1
287151	1/2 core	131.85	132.53	0.68	7	.04	18	.08	18	.27	<2	<2	119	6	0.02	<5	90	98	1
287152	1/2 core	132.53	133.13	0.60	4	.03	20	.09	24	.40	<2	<2	93	<5	0.01	<5	91	150	2
287153	1/2 core	133.13	133.78	0.65	2	.01	16	.08	12	.14	<2	<2	44	6	0.01	<5	88	163	1
287154	1/2 core	133.78	134.53	0.75	25	.02	18	.07	20	.84	<2	<2	33	10	0.02	<5	79	217	1
287155	1/2 core	134.53	135.30	0.77	6	.01	17	.08	15	.90	<2	<2	42	<5	0.01	<5	77	206	4
287156	1/2 core	135.30	136.40	1.10	4	.03	22	.09	56	.39	<2	<2	56	9	0.02	<5	128	184	1
287157	1/2 core	136.40	137.20	0.80	2	.05	20	.07	10	.03	4	<2	39	8	0.14	<5	160	87	1
287158	1/2 core	137.20	137.60	0.40	4	.04	19	.08	14	.20	<2	<2	48	7	0.12	<5	144	112	3
287159	standard 2: CDN-CGS-18				42	.06	120	.07	90	.78	<2	<2	31	10	0.07	<5	54	308	290
287160	blank 2				1	.35	4	.05	12	.01	3	<2	70	<5	0.06	<5	193	31	1
287161	1/2 core	137.60	138.10	0.50	2	.05	19	.09	13	.16	6	<2	43	5	0.14	<5	154	89	7
287162	1/2 core	138.10	138.50	0.40	3	.03	18	.08	19	.41	<2	<2	42	<5	0.09	<5	121	114	5
287163	1/2 core	138.50	139.10	0.60	2	.02	17	.07	60	.36	<2	<2	38	<5	0.10	<5	120	188	2
287164	1/2 core	139.10	139.86	0.76	3	.04	18	.08	18	.05	8	<2	54	5	0.13	<5	133	100	1
287165	1/2 core	139.86	140.86	1.00	2	.03	19	.07	13	.01	2	<2	68	<5	0.12	<5	137	101	2
287166	1/2 core	140.86	141.86	1.00	7	.04	22	.09	15	.02	<2	<2	46	9	0.14	<5	161	144	1
287167	1/2 core	141.86	142.90	1.04	3	.06	19	.07	12	.01	<2	<2	65	8	0.11	<5	151	80	2
287168	1/2 core	142.90	143.55	0.65	1	.05	17	.08	11	.02	<2	<2	64	5	0.13	<5	144	78	1
287169	1/2 core	143.55	144.55	1.00	2	.04	19	.07	13	.01	<2	<2	77	7	0.07	<5	124	86	2
287170	1/2 core	144.55	145.30	0.75	1	.03	17	.09	8	.03	<2	<2	57	<5	0.01	<5	114	121	1
287171	1/2 core	145.30	145.94	0.64	2	.04	16	.08	13	.01	<2	<2	118	<5	0.03	<5	71	80	1
287172	1/2 core	145.94	146.94	1.00	1	.03	15	.07	11	.02	<2	<2	57	6	0.08	<5	122	124	1
287173	1/2 core	146.94	148.00	1.06	2	.02	19	.08	10	.03	<2	<2	43	<5	0.11	<5	137	199	7
287174	1/2 core	148.00	148.98	0.98	7	.06	18	.09	12	.05	<2	<2	42	8	0.16	<5	156	95	9
287175	1/2 core	148.98	150.00	1.02	2	.04	17	.08	14	.06	2	<2	50	7	0.11	<5	136	110	14
287176	standard 1: CDN-CGS-16				14	.09	27	.15	21	1.32	3	<2	122	9	0.02	<5	132	120	150
287177	blank 2				2	.28	4	.05	13	.01	<2	<2	60	<5	0.08	<5	148	26	3
287178	1/2 core	150.00	151.00	1.00	1	.06	19	.09	12	.02	<2	<2	41	7	0.15	<5	160	89	1

09-SND-11

Pioneer Laboratories Inc. Report Numbers: 2092409 (Samples: 287179-287406); 2092409 (Sample: 287272; 287352)

09-SND-11																			
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287179	1/2 Core	9.12	10.37	1.25	.5	1.04	<5	<5	122	<10	.73	<1	12	57	142	2.80	.38	.92	317
287180	1/2 Core	10.37	12.16	1.79	.7	2.70	<5	<5	14	<10	1.29	<1	34	52	1857	4.19	.09	2.69	1407
287181	1/2 Core	12.16	12.80	0.64	17.2	1.72	80	<5	43	<10	6.59	4	20	40	1135	3.61	.20	1.44	1802
287182	1/2 Core	12.80	13.35	0.55	.4	1.43	<5	<5	56	<10	5.32	<1	22	25	148	4.02	.17	.68	1199
287183	1/2 Core	13.35	14.25	0.90	.3	1.72	<5	<5	25	<10	2.06	<1	20	33	205	4.40	.09	1.56	729
287184	1/2 Core	14.25	15.20	0.95	.4	1.82	<5	<5	47	<10	2.51	<1	19	34	161	4.25	.13	1.79	933
287185	1/2 Core	15.20	16.72	1.52	23.0	1.91	52	<5	94	<10	3.69	4	21	35	770	4.14	.17	1.72	1375
287186	1/2 Core	16.72	18.24	1.52	.4	1.42	<5	<5	138	<10	1.39	<1	16	40	180	3.98	.07	1.49	635
287187	1/2 Core	18.24	19.60	1.36	.3	1.58	<5	<5	34	<10	2.30	<1	18	32	492	4.04	.10	1.54	830
287188	1/2 Core	19.60	21.28	1.68	12.1	1.26	8	<5	33	<10	1.52	<1	16	37	184	3.74	.09	1.28	609
287189	1/2 Core	21.28	22.48	1.20	.3	1.42	<5	<5	71	<10	1.17	<1	13	40	122	4.01	.08	1.49	453
287190	1/2 Core	22.48	23.40	0.92	.2	1.50	<5	<5	111	<10	3.29	<1	16	35	175	3.85	.17	1.47	852
287191	1/2 Core	23.40	24.32	0.92	.3	1.51	<5	<5	76	<10	1.59	<1	15	49	213	4.31	.11	1.57	505
287192	1/2 Core	24.32	25.97	1.65	.2	1.45	<5	<5	129	<10	1.03	<1	14	43	249	3.95	.08	1.73	469
287193	1/2 Core	25.97	26.49	0.52	1.2	2.30	<5	<5	29	<10	1.30	<1	31	59	2524	5.55	.10	2.44	758
287194	1/2 Core	standard 2: CDN-CGS-18			3.4	2.01	62	<5	90	<10	.72	1	16	57	3182	4.63	.15	.99	744
287195	1/2 Core	blank2			.3	2.67	11	<5	41	<10	1.73	<1	6	40	40	2.33	.06	.42	167
287196	1/2 Core	26.49	27.36	0.87	.4	1.60	<5	5	97	<10	1.66	<1	14	48	153	4.33	.09	1.71	729
287197	1/2 Core	27.36	28.88	1.52	.1	1.17	31	<5	16	<10	1.49	<1	10	28	223	3.01	.08	1.25	502
287198	1/2 Core	28.88	30.40	1.52	.3	1.53	<5	<5	367	<10	1.92	<1	14	33	211	3.45	.07	1.67	762
287199	1/2 Core	30.40	31.92	1.52	.2	1.88	<5	<5	32	<10	2.86	<1	17	31	655	3.60	.10	2.07	1175
287200	1/2 Core	31.92	33.44	1.52	.1	1.42	<5	<5	26	<10	2.11	<1	14	28	65	3.68	.09	1.56	765
287201	1/2 Core	33.44	34.75	1.31	.2	1.65	12	<5	16	<10	2.55	<1	13	25	150	3.16	.10	1.81	905
287202	1/2 Core	34.75	36.20	1.45	.1	1.88	9	6	25	<10	2.90	<1	17	28	155	3.71	.14	1.84	759

09-SND-11																			
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287203	1/2 Core	36.20	36.48	0.28	.1	1.76	23	<5	20	<10	5.26	<1	11	33	15	2.56	.06	1.77	1261
287204	1/2 Core	36.75	37.95	1.20	.2	2.11	<5	5	15	<10	3.22	<1	18	29	140	4.01	.14	2.18	951
287205	1/2 Core	37.95	39.52	1.57	4.8	1.84	24	6	23	<10	3.10	<1	17	25	199	3.93	.11	1.88	863
287206	1/2 Core	39.52	41.04	1.52	.3	1.77	<5	9	43	<10	3.14	<1	16	22	490	3.47	.12	1.83	904
287207	1/2 Core	41.04	42.56	1.52	.4	1.97	28	6	28	<10	3.21	<1	17	25	498	3.73	.11	2.20	1059
287208	1/2 Core	42.56	44.08	1.52	.3	1.50	11	8	29	<10	2.44	<1	15	26	1264	3.15	.09	1.65	721
287209	1/2 Core	44.08	45.60	1.52	.6	1.82	19	7	23	<10	2.83	<1	16	34	1841	3.16	.13	1.97	967
287210	1/2 Core	45.60	46.52	0.92	7.7	1.79	24	<5	31	<10	2.50	<1	15	28	98	3.79	.10	1.65	738
287211	1/2 Core	standard 1: CDN-CGS-16			1.1	2.01	59	<5	140	<10	4.32	0	23	36	1206	5.46	.31	2.05	874
287212	1/2 Core	blank2			.3	2.95	<5	<5	39	<10	1.81	<1	6	43	38	2.45	.06	.36	160
287213	1/2 Core	46.52	47.77	1.25	.1	1.68	<5	6	31	<10	2.55	<1	20	31	100	3.41	.09	1.72	741
287214	1/2 Core	47.77	48.64	0.87	.2	1.52	9	7	24	<10	2.54	<1	19	23	211	3.24	.10	1.62	650
287215	1/2 Core	48.64	49.75	1.11	.2	1.25	13	<5	23	<10	1.80	<1	10	29	300	2.55	.09	1.26	523
287216	1/2 Core	49.75	51.33	1.58	.3	1.26	<5	<5	16	<10	2.07	<1	12	25	144	3.49	.08	1.25	568
287217	1/2 Core	51.33	51.68	0.35	.2	1.40	9	6	24	<10	4.67	<1	21	17	214	3.45	.16	.85	914
287218	1/2 Core	52.33	53.33	1.00	.1	1.86	33	<5	23	<10	3.43	<1	19	22	115	4.00	.09	1.73	958
287219	1/2 Core	53.33	54.10	0.77	.2	1.96	14	<5	26	<10	4.26	<1	22	23	168	4.38	.12	1.52	1026
287220	1/2 Core	54.10	54.72	0.62	.6	1.13	<5	6	250	<10	4.79	<1	15	19	192	3.17	.27	.45	1062
287221	1/2 Core	54.72	55.82	1.10	.8	1.60	<5	7	82	<10	4.77	1	16	30	140	3.48	.26	1.05	1178
287222	1/2 Core	55.82	56.85	1.03	2.6	1.51	<5	5	67	<10	6.75	<1	15	29	47	2.93	.29	1.09	1596
287223	1/2 Core	56.85	57.76	0.91	.4	1.82	11	7	29	<10	5.77	<1	30	21	136	3.63	.28	1.37	1347
287224	1/2 Core	57.76	58.76	1.00	.5	1.76	14	6	65	<10	2.51	<1	25	29	217	3.96	.10	1.88	903
287225	1/2 Core	58.76	59.65	0.89	.4	1.41	<5	5	63	<10	3.09	<1	27	46	100	3.65	.14	1.36	806
287226	1/2 Core	59.65	60.50	0.85	.1	1.64	<5	6	42	<10	1.77	<1	18	33	245	3.61	.09	1.96	725
287227	1/2 Core	60.50	60.80	0.30	.3	1.82	17	5	65	<10	2.73	<1	34	34	116	3.94	.08	2.11	956
287228	1/2 Core	standard 1: CDN-CGS-16			1.1	2.08	45	<5	142	<10	4.64	0	23	37	1128	5.61	.35	2.07	878
287229	1/2 Core	blank2			.3	3.02	<5	<5	44	<10	2.01	<1	6	44	32	2.90	.07	.39	151

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Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287230	1/2 Core	61.66	62.76	1.10	.5	2.10	<5	7	40	<10	3.79	<1	24	34	421	4.64	.14	2.09	1279
287231	1/2 Core	62.76	63.84	1.08	.4	1.55	<5	<5	34	<10	1.70	<1	20	38	153	4.13	.09	1.78	632
287232	1/2 Core	63.84	64.67	0.83	.1	1.32	<5	<5	30	<10	1.08	<1	17	41	155	3.85	.08	1.39	509
287233	1/2 Core	64.67	65.77	1.10	.5	1.22	13	<5	157	<10	1.21	<1	39	33	358	3.29	.07	1.13	461
287234	1/2 Core	65.77	66.88	1.11	.4	1.53	<5	5	300	<10	1.51	<1	16	30	192	3.59	.06	1.34	545
287235	1/2 Core	66.88	67.88	1.00	.1	1.63	7	<5	18	<10	2.49	<1	19	26	471	3.68	.07	1.70	911
287236	1/2 Core	67.88	68.15	0.27	7.1	1.06	12	8	17	<10	1.79	<1	25	24	333	2.41	.06	1.02	441
287237	1/2 Core	68.15	69.10	0.95	.2	1.30	13	5	73	<10	1.41	<1	13	30	128	3.78	.08	1.16	448
287238	1/2 Core	69.10	69.50	0.40	.3	1.04	<5	6	114	<10	1.18	<1	23	34	770	3.05	.09	.80	355
287239	1/2 Core	69.50	69.92	0.42	.9	1.20	<5	5	16	<10	1.77	<1	74	35	979	3.22	.08	1.07	562
287240	1/2 Core	69.92	71.00	1.08	.1	1.34	24	7	35	<10	1.59	<1	15	34	86	3.36	.10	1.10	487
287241	1/2 Core	71.00	72.10	1.10	.2	1.30	15	6	135	<10	1.48	<1	14	35	92	3.46	.08	1.07	437
287242	1/2 Core	72.10	72.30	0.20	.8	1.41	16	5	15	<10	1.41	<1	37	29	933	2.99	.07	1.30	618
287243	1/2 Core	72.30	72.56	0.26	.2	1.15	<5	6	21	<10	1.57	<1	12	30	185	3.14	.08	1.14	586
287244	1/2 Core	72.56	72.96	0.40	.1	1.18	5	5	175	<10	1.08	<1	15	32	169	3.62	.07	1.13	435
287245	1/2 Core	standard 1: CDN-CGS-16			1.0	1.87	54	<5	137	<10	4.26	0	22	34	1095	5.06	.31	1.89	800
287246	1/2 Core	blank2			.1	2.30	<5	<5	50	<10	1.53	<1	14	39	46	3.31	.08	.42	136
287247	1/2 Core	73.90	74.75	0.85	.2	2.18	<5	<5	13	<10	2.56	<1	23	27	710	3.74	.06	2.27	1389
287248	1/2 Core	74.75	75.90	1.15	.5	1.13	<5	7	113	<10	1.30	<1	22	26	156	3.21	.08	1.05	437
287249	1/2 Core	75.90	76.00	0.10	1.2	1.16	<5	<5	129	<10	1.59	<1	16	28	148	3.44	.07	1.22	692
287250	1/2 Core	76.50	77.45	0.95	.3	1.34	<5	5	14	<10	2.29	<1	35	29	385	3.59	.08	1.48	882
287251	1/2 Core	77.45	78.55	1.10	.5	1.49	<5	<5	22	<10	1.59	<1	20	28	1247	3.35	.07	1.65	737
287252	1/2 Core	78.55	79.04	0.49	.2	1.51	<5	7	13	<10	4.10	<1	16	30	566	2.91	.06	1.72	1057
287253	1/2 Core	79.55	80.55	1.00	.1	1.52	<5	6	12	<10	1.92	<1	13	29	1865	2.20	.07	1.40	568
287254	1/2 Core	80.55	81.60	1.05	.4	1.84	12	8	135	<10	2.23	<1	18	31	1369	2.63	.09	1.24	433
287255	1/2 Core	81.60	82.08	0.48	.1	1.10	25	9	238	<10	1.23	<1	10	27	274	2.14	.07	.95	327

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Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287255	1/2 Core	82.08	82.47	0.39															
287256	1/2 Core	82.47	83.40	0.93	.2	1.20	14	8	78	<10	1.65	<1	15	25	1136	2.30	.06	1.21	459
287257	1/2 Core	83.40	84.50	1.10	.3	1.22	12	6	20	<10	1.95	<1	13	26	1034	2.73	.08	1.28	736
287258	1/2 Core	84.50	85.12	0.62	.4	1.07	<5	7	15	<10	1.43	<1	15	25	1281	2.02	.10	1.11	542
287259	1/2 Core	85.12	85.92	0.80	.3	1.23	15	6	14	<10	1.39	<1	12	24	284	2.82	.08	1.32	653
287260	1/2 Core	85.92	86.57	0.65	.7	.19	<5	<5	4	26	.26	<1	9	3	3212	.58	<0.01	.20	118
287261	1/2 Core	86.57	87.37	0.80	.6	2.24	30	6	400	<10	2.47	<1	32	26	1644	5.25	.11	1.91	1030
287262	1/2 Core	standard 2: CDN-CGS-18			3.3	2.09	60	<5	98	<10	.76	1	16	59	3287	4.76	.16	1.01	766
287263	1/2 Core	blank2			.4	2.80	<5	<5	45	<10	1.98	<1	7	31	51	2.28	.06	.35	186
287264	1/2 Core	87.37	88.16	0.79	.3	1.73	9	8	>1000	<10	3.02	<1	30	22	320	5.89	.21	1.37	922
287265	1/2 Core	88.26	88.96	0.70	.2	1.19	18	6	1971	<10	5.45	<1	19	17	307	3.18	.18	1.79	1288
287266	1/2 Core	88.96	89.70	0.74	.1	.92	<5	<5	1999	<10	6.07	<1	21	16	293	3.65	.15	2.11	1611
287267	1/2 Core	89.70	90.70	1.00	.7	1.02	11	5	879	<10	5.66	<1	17	18	355	3.13	.31	.93	1537
287268	1/2 Core	90.70	91.20	0.50	.3	.86	17	<5	38	<10	6.17	<1	14	20	1817	2.69	.30	.69	1582
287269	1/2 Core	91.40	92.50	1.10	13.8	.78	50	<5	45	<10	6.64	4	17	19	749	3.35	.29	.98	2390
287270	1/2 Core	92.50	93.20	0.70	5.3	.44	34	<5	2028	<10	6.10	2	12	31	409	2.33	.34	.61	2608
287271	1/2 Core	93.20	93.93	0.73	7.7	.47	59	<5	1574	<10	5.51	3	14	28	685	2.31	.33	.47	2292
287272	1/2 Core	93.93	94.24	0.31	14.4	.50	188	7	129	77	5.89	6	21	20	14564	3.64	.32	.35	2059
287273	1/2 Core	94.34	95.07	0.73	4.5	.53	37	5	1959	<10	6.88	1	18	19	851	3.26	.31	.62	2663
287274	1/2 Core	95.07	95.57	0.50	32.6	.37	371	7	363	30	7.35	18	12	39	4290	1.92	.27	.46	2280
287275	1/2 Core	95.57	96.45	0.88	26.1	.53	110	6	1291	<10	5.99	8	17	13	1113	2.49	.33	.70	2173
287276	1/2 Core	96.45	97.28	0.83	1.6	.52	11	<5	>1000	<10	6.12	<1	15	18	205	2.16	.35	.40	1890
287277	1/2 Core	97.28	98.38	1.10	.3	.53	15	6	92	<10	5.20	<1	20	21	154	4.41	.23	1.78	2187
287278	1/2 Core	98.38	99.28	0.90	.1	.47	<5	5	24	<10	4.22	<1	17	26	177	3.80	.24	1.41	1780
287279	1/2 Core	standard 1: CDN-CGS-16			1.0	1.94	54	<5	141	<10	4.23	0	22	33	1132	5.20	.33	1.92	827
287280	1/2 Core	blank2			.1	2.59	<5	<5	59	<10	1.69	<1	8	55	66	2.79	.08	.57	217
287281	1/2 Core	99.28	100.32	1.04	.2	.61	<5	6	76	<10	4.11	<1	22	28	269	4.93	.26	1.62	2079

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Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287282	1/2 Core	100.32	101.30	0.98	.1	.48	<5	5	52	<10	4.57	<1	18	20	185	4.17	.23	1.73	1939
287283	1/2 Core	101.30	102.35	1.05	.5	.54	<5	6	98	<10	3.35	<1	15	19	365	3.00	.29	.60	1367
287284	1/2 Core	102.35	103.36	1.01	.2	.48	<5	7	18	<10	4.09	<1	14	23	224	2.98	.28	.47	1457
287285	1/2 Core	103.36	104.24	0.88	.1	.41	9	6	17	<10	6.32	<1	24	22	215	5.13	.21	.96	2287
287286	1/2 Core	104.24	105.24	1.00	.2	.51	<5	7	23	<10	4.50	<1	21	25	117	4.66	.24	1.54	1935
287287	1/2 Core	105.24	106.40	1.16	.1	.37	<5	6	112	<10	4.87	<1	19	26	173	4.04	.23	.88	1788
287288	1/2 Core	106.40	107.40	1.00	.2	.38	9	7	66	<10	4.17	<1	14	27	47	3.12	.24	.52	1436
287289	1/2 Core	107.40	108.40	1.00	.3	.47	<5	6	78	<10	3.89	<1	21	22	195	4.59	.25	1.25	1797
287290	1/2 Core	108.40	109.44	1.04	.2	.44	6	8	50	<10	5.92	<1	13	20	257	2.90	.24	.86	1992
287291	1/2 Core	109.44	110.54	1.10	8.9	.48	<5	7	972	13	4.46	1	14	16	491	2.73	.26	.60	1684
287292	1/2 Core	110.54	111.64	1.10	.2	.47	<5	6	147	<10	4.45	<1	22	27	136	4.95	.24	1.09	1710
287293	1/2 Core	111.64	112.48	0.84	.1	.46	<5	9	288	<10	5.79	<1	17	22	229	3.62	.26	.70	1776
287294	1/2 Core	112.48	113.58	1.10	.2	.41	<5	7	1281	<10	4.81	<1	16	31	108	3.52	.27	.82	1627
287295	1/2 Core	113.58	114.50	0.92	.1	.38	14	5	390	<10	4.43	<1	20	22	100	4.27	.24	.92	1699
287296	1/2 Core	standard 1: CDN-CGS-16			1.0	1.89	50	<5	136	<10	4.26	<1	22	34	1090	5.19	.31	1.92	832
287297	1/2 Core	blank2			.2	2.55	<5	<5	73	<10	1.78	<1	7	38	41	2.07	.06	.32	178
287298	1/2 Core	114.50	115.52	1.02	.1	.62	<5	6	804	<10	5.77	<1	22	22	121	4.17	.25	.97	1886
287299	1/2 Core	115.52	116.34	0.82	.1	.63	<5	5	719	<10	5.33	<1	15	27	108	3.34	.27	.68	1545
287300	1/2 Core	116.34	117.16	0.82	.2	.55	<5	6	1018	<10	5.66	<1	19	41	96	3.14	.28	.64	1640
287301	1/2 Core	117.16	118.11	0.95	.1	1.09	<5	<5	67	<10	4.95	<1	20	33	79	4.40	.27	.98	1717
287302	1/2 Core	118.11	118.56	0.45	.1	2.03	<5	5	487	<10	5.15	<1	27	34	230	4.86	.25	1.65	1955
287303	1/2 Core	119.06	120.05	0.99	.2	1.39	<5	<5	717	<10	4.90	<1	20	36	747	3.77	.27	1.06	1634
287304	1/2 Core	120.05	120.95	0.90	.1	1.45	18	<5	142	<10	4.02	<1	21	29	207	3.70	.25	1.12	1375
287305	1/2 Core	120.95	121.60	0.65	.2	1.65	19	6	183	<10	4.07	<1	20	34	73	3.82	.27	1.22	1414
287306	1/2 Core	121.60	122.60	1.00	.1	1.66	<5	6	196	<10	4.57	<1	19	26	59	3.92	.23	1.24	1610
287307	1/2 Core	122.60	123.53	0.93	.2	2.53	<5	8	136	<10	4.01	<1	24	27	102	5.26	.22	1.69	1663

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Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287308	1/2 Core	123.53	124.30	0.77	.1	2.37	<5	6	1271	<10	4.90	<1	21	34	170	4.66	.23	1.45	1816
287309	1/2 Core	124.30	124.64	0.34	.2	2.54	33	7	212	<10	3.83	<1	20	36	134	4.92	.25	1.63	1796
287310	1/2 Core	124.94	126.00	1.06	.1	2.33	10	<5	139	<10	3.97	<1	18	34	77	4.32	.22	1.72	1789
287311	1/2 Core	126.00	126.88	0.88	.3	2.19	8	5	43	<10	4.16	<1	19	33	212	4.41	.25	1.41	1545
287312	1/2 Core	126.88	127.44	0.56	.1	2.12	15	6	65	<10	5.49	<1	21	27	141	4.34	.24	1.38	1722
287313	1/2 Core	standard 1: CDN-CGS-16			1.0	1.97	61	<5	136	<10	4.23	<1	23	36	1044	5.43	.30	2.00	844
287314	1/2 Core	blank2			.2	2.75	8	<5	49	<10	1.92	<1	4	47	47	2.11	.08	.32	162
287315	1/2 Core	127.44	127.68	0.24	.1	1.69	<5	8	228	<10	6.62	<1	16	28	140	3.46	.26	1.04	2076
287316	1/2 Core	127.88	128.88	1.00	.3	2.65	<5	5	273	<10	4.88	<1	23	34	738	4.85	.24	1.86	2230
287317	1/2 Core	128.88	129.75	0.87	.6	2.54	14	<5	138	<10	5.65	<1	26	35	1235	5.08	.21	1.84	2091
287318	1/2 Core	129.75	130.72	0.97	.1	2.21	11	7	79	<10	4.55	<1	20	37	79	4.49	.25	1.49	1673
287319	1/2 Core	130.72	130.93	0.21	.4	2.09	29	8	777	<10	6.94	<1	21	31	281	4.44	.21	1.25	2487
287320	1/2 Core	130.93	131.92	0.99	.1	1.99	<5	7	145	<10	6.12	<1	20	32	111	4.29	.24	1.38	1881
287321	1/2 Core	131.92	132.87	0.95	.4	2.58	<5	6	192	<10	5.49	<1	24	28	137	5.02	.22	1.69	2029
287322	1/2 Core	132.87	133.76	0.89	.3	2.05	14	7	529	<10	4.73	<1	20	29	259	4.17	.24	1.33	1647
287323	1/2 Core	133.76	134.76	1.00	.1	2.64	<5	10	227	<10	5.29	<1	26	38	149	5.72	.26	1.52	1860
287324	1/2 Core	134.76	135.66	0.90	.4	2.54	15	9	175	<10	5.30	<1	25	31	176	5.38	.24	1.58	1868
287325	1/2 Core	135.66	136.80	1.14	.5	2.35	14	7	163	<10	5.75	<1	23	32	187	4.93	.25	1.53	1975
287326	1/2 Core	136.80	137.60	0.80	1.4	2.22	<5	9	144	<10	6.42	<1	22	39	295	4.70	.24	1.27	2121
287327	1/2 Core	137.60	138.22	0.62	.3	2.31	<5	5	71	<10	5.48	<1	21	32	247	4.39	.25	1.62	1817
287328	1/2 Core	138.22	139.00	0.78	.1	2.00	<5	6	55	<10	4.76	<1	19	34	84	4.11	.26	1.37	1543
287329	1/2 Core	139.00	139.84	0.84	.8	1.90	19	8	710	<10	5.27	<1	20	47	240	3.93	.23	1.13	1857
287330	1/2 Core	standard 1: CDN-CGS-16			1.0	2.02	56	<5	140	<10	4.19	0	23	36	1070	5.38	.32	1.98	842
287331	1/2 Core	blank2			.1	2.37	14	<5	44	<10	1.68	<1	9	41	56	2.50	.09	.51	232
287332	1/2 Core	139.84	140.84	1.00	7.5	2.29	25	8	187	<10	5.35	<1	22	27	175	4.94	.22	1.31	2045
287333	1/2 Core	140.84	141.52	0.68	1.2	2.59	21	11	269	<10	5.27	<1	27	26	312	5.91	.21	1.27	1967
287334	1/2 Core	141.52	141.90	0.38	4.3	1.58	48	7	97	<10	4.39	2	17	25	421	3.75	.29	.90	1490

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Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287335	1/2 Core	141.90	142.70	0.80	9.4	.83	110	8	118	12	5.11	5	13	50	681	2.64	.23	.34	1671
287336	1/2 Core	142.70	142.88	0.18	.9	2.32	15	9	152	<10	5.61	<1	24	35	198	5.23	.22	1.24	2089
287337	1/2 Core	143.58	144.70	1.12	1.5	2.71	<5	10	345	<10	6.25	<1	26	34	229	6.44	.23	1.25	2445
287338	1/2 Core	144.70	144.92	0.22	2.5	.58	40	<5	>1000	10	>10	3	8	25	237	1.56	.13	.31	6542
287339	1/2 Core	144.92	145.92	1.00	5.1	.78	60	<5	2264	<10	10.91	4	9	45	568	1.92	.21	.32	3850
287340	1/2 Core	145.92	146.14	0.22	1.0	2.90	<5	13	1280	<10	6.39	<1	30	33	338	6.90	.22	1.13	2561
287341	1/2 Core	146.14	146.95	0.81	2.1	1.11	27	6	910	<10	11.53	1	14	34	196	2.86	.20	.40	4565
287342	1/2 Core	146.95	147.61	0.66	5.4	1.31	24	8	257	<10	8.04	3	15	36	391	3.28	.24	.44	3184
287343	1/2 Core	147.61	148.60	0.99	32.1	.70	166	<5	1525	<10	10.93	11	12	34	1110	2.75	.14	.65	4487
287344	1/2 Core	148.60	148.96	0.36	26.1	1.33	212	<5	1728	<10	12.35	9	20	24	993	4.46	.12	.99	4986
287345	1/2 Core	149.60	150.25	0.65	30.8	.99	177	5	1639	14	9.72	10	14	31	1422	3.17	.18	.64	3997
287346	1/2 Core	150.25	150.45	0.20	6.0	1.00	97	6	251	22	4.64	3	15	66	3004	2.74	.20	.34	1821
287347	1/2 Core	standard 2: CDN-CGS-18			3.3	2.00	60	<5	94	<10	.74	1	16	59	3281	4.58	.16	.97	738
287348	1/2 Core	blank2			.3	1.61	<5	<5	35	<10	1.20	<1	6	30	30	1.80	.06	.31	155
287349	1/2 Core	150.45	150.80	0.35	2.5	1.07	100	<5	87	16	3.45	1	18	61	2299	3.12	.20	.46	1325
287350	1/2 Core	150.80	151.80	1.00	3.9	.65	188	<5	132	31	5.86	2	13	50	4095	2.44	.18	.26	1737
287351	1/2 Core	151.80	152.00	0.20	5.7	.57	164	5	297	29	5.78	5	8	74	3475	1.50	.19	.15	1747
287352	1/2 Core	152.17	152.60	0.43	8.7	.36	563	<5	59	68	4.70	6	12	63	12015	3.25	.16	.11	1402
287353	1/2 Core	152.60	153.45	0.85	8.4	.41	190	<5	399	<10	4.33	5	9	62	2188	1.22	.19	.12	1356
287354	1/2 Core	153.45	154.25	0.80	2.0	.61	81	<5	358	22	6.30	2	8	64	3822	1.95	.18	.32	2259
287355	1/2 Core	154.25	155.04	0.79	1.1	.99	<5	<5	60	24	6.51	<1	13	55	3307	2.57	.15	.48	1857
287356	1/2 Core	155.04	155.40	0.36	3.3	.82	56	<5	29	19	3.59	3	12	67	3904	2.34	.21	.34	1236
287357	1/2 Core	155.40	156.00	0.60	4.2	.40	98	<5	31	15	6.53	4	11	32	1034	2.17	.23	.24	2421
287358	1/2 Core	156.00	156.50	0.50	2.6	.32	87	<5	168	14	4.05	1	13	38	788	1.89	.21	.15	1477
287359	1/2 Core	156.50	157.17	0.67	.1	.65	21	<5	605	<10	7.08	<1	11	33	566	2.01	.26	.34	2394
287360	1/2 Core	157.17	158.08	0.91	.2	.44	10	<5	1352	<10	6.54	0	7	31	485	1.66	.24	.32	2361
287361	1/2 Core	158.08	158.93	0.85	.3	.75	9	5	453	<10	6.82	2	9	32	288	1.76	.25	.25	2348

09-SND-11																			
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287362	1/2 Core	158.93	159.20	0.27	1.0	.97	20	<5	210	15	3.94	2	14	45	928	2.29	.24	.35	1477
287363	1/2 Core	159.20	160.15	0.95	.6	.98	28	<5	454	<10	5.91	3	11	38	447	2.19	.25	.38	1955
287364	1/2 Core	standard 1: CDN-CGS-16			1.0	1.97	56	<5	140	<10	4.23	<1	22	33	1090	5.27	.32	1.92	826
287365	1/2 Core	blank2			.2	2.75	<5	<5	42	<10	1.95	<1	5	32	83	2.02	.06	.31	155
287366	1/2 Core	160.15	161.12	0.97	1.0	.82	41	<5	215	13	3.76	1	12	48	683	1.97	.22	.30	1390
287367	1/2 Core	161.12	162.12	1.00	.1	.86	<5	<5	539	<10	3.50	<1	7	49	279	1.71	.25	.31	1279
287368	1/2 Core	162.12	163.17	1.05	.2	.63	13	<5	201	<10	4.75	<1	6	42	244	1.26	.25	.20	1651
287369	1/2 Core	163.17	163.76	0.59	.6	1.22	35	<5	266	14	4.08	1	14	51	1376	2.80	.24	.55	1762
287370	1/2 Core	163.76	164.16	0.40	.3	.70	17	<5	466	<10	4.97	3	7	53	716	1.68	.23	.28	1618
287371	1/2 Core	164.62	165.40	0.78	.1	.76	10	<5	475	<10	5.00	0	6	50	209	1.85	.28	.31	1663
287372	1/2 Core	165.40	166.22	0.82	.1	.57	<5	<5	374	<10	4.19	1	4	52	419	1.22	.29	.14	1244
287373	1/2 Core	166.22	166.97	0.75	.2	.43	<5	<5	1139	<10	5.08	0	3	49	290	.78	.25	.11	1390
287374	1/2 Core	166.97	167.20	0.23	.1	1.08	<5	<5	1102	<10	4.87	<1	10	43	204	1.98	.26	.61	1576
287375	1/2 Core	168.23	168.98	0.75	8.2	1.15	22	<5	593	12	5.56	1	12	49	1089	2.42	.25	.60	1950
287376	1/2 Core	168.98	169.65	0.67	.1	1.00	8	6	286	<10	6.51	<1	9	31	898	1.84	.26	.39	2017
287377	1/2 Core	169.65	170.24	0.59	.2	1.92	28	<5	887	<10	5.47	<1	19	33	328	3.38	.24	1.18	2316
287378	1/2 Core	170.70	171.70	1.00	.1	1.59	<5	6	909	<10	5.38	<1	15	40	242	2.80	.26	1.01	2114
287379	1/2 Core	171.70	172.70	1.00	.2	1.55	<5	<5	1522	<10	5.56	<1	14	36	443	2.85	.25	1.04	2078
287380	1/2 Core	172.70	173.28	0.58	.1	1.33	<5	5	1114	<10	8.06	<1	12	34	585	2.34	.24	.84	2432
287381	1/2 Core	standard 1: CDN-CGS-16			1.2	2.06	59	<5	141	<10	4.37	<1	23	35	1106	5.45	.34	1.98	854
287382	1/2 Core	blank2			.2	2.57	<5	<5	90	<10	1.70	<1	11	39	55	3.13	.11	.80	323
287383	1/2 Core	173.70	174.70	1.00	.5	2.06	21	<5	788	<10	5.36	<1	19	42	603	3.48	.25	1.40	2342
287384	1/2 Core	174.70	175.50	0.80	.4	2.25	8	<5	1207	<10	4.84	<1	21	47	550	4.06	.22	1.67	2295
287385	1/2 Core	175.50	176.32	0.82	.3	2.06	10	6	1346	<10	4.14	<1	20	48	624	3.82	.21	1.59	1953
287386	1/2 Core	176.32	176.77	0.45	.1	2.34	<5	<5	125	<10	4.38	<1	21	43	735	4.29	.19	1.63	2499
287387	1/2 Core	176.77	177.82	1.05	.2	1.99	26	<5	745	<10	6.29	<1	19	35	850	3.68	.21	1.38	2382
287388	1/2 Core	177.82	178.44	0.62	1.2	1.93	61	6	67	<10	4.59	0	18	34	819	3.65	.27	1.03	1944

09-SND-11																			
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287389	1/2 Core	178.44	179.07	0.63	2.9	1.76	49	10	70	<10	3.84	1	21	38	752	3.06	.35	.57	1583
287390	1/2 Core	179.07	179.36	0.29	.6	1.17	77	7	27	<10	3.92	0	13	43	910	2.56	.31	.33	1471
287391	1/2 Core	179.56	180.58	1.02	.5	1.76	41	6	31	<10	3.33	<1	20	42	298	4.15	.29	.67	1819
287392	1/2 Core	180.58	180.93	0.35	.6	3.18	13	7	32	<10	2.29	<1	23	38	251	7.29	.25	1.40	2589
287393	1/2 Core	180.93	181.95	1.02	.5	2.75	34	6	28	<10	1.34	<1	25	41	120	8.94	.23	1.36	2420
287394	1/2 Core	181.95	182.40	0.45	.1	2.00	<5	<5	39	<10	2.26	<1	19	38	269	4.15	.20	1.62	1671
287395	1/2 Core	182.95	184.05	1.10	.5	2.29	18	<5	29	<10	1.41	<1	23	41	326	5.12	.14	1.63	2419
287396	1/2 Core	184.05	184.90	0.85	.4	2.35	<5	<5	27	<10	1.55	<1	21	37	158	5.11	.15	1.81	2531
287397	1/2 Core	184.90	185.44	0.54	.3	2.60	<5	<5	26	<10	1.02	<1	24	44	276	5.88	.14	1.82	2493
287398	1/2 Core	standard 1: CDN-CGS-16			1.1	1.79	56	<5	125	<10	4.34	0	22	33	1078	5.05	.31	1.80	809
287399	1/2 Core	blank2			.3	1.95	<5	<5	41	<10	1.54	<1	7	42	76	1.77	.06	.31	155
287400	1/2 Core	185.56	186.20	0.64	.4	2.86	23	<5	27	<10	2.30	<1	25	39	485	5.91	.17	1.82	3069
287401	1/2 Core	186.20	186.93	0.73	.9	3.15	39	<5	20	<10	2.19	<1	34	45	1276	6.81	.16	1.81	3356
287402	1/2 Core	186.93	187.35	0.42	.3	2.61	25	<5	25	<10	4.91	<1	24	33	499	5.44	.18	1.68	3011
287403	1/2 Core	187.35	187.80	0.45	.1	2.14	<5	<5	29	<10	3.58	<1	23	40	175	4.87	.22	1.85	1756
287404	1/2 Core	187.80	188.48	0.68	.2	1.42	<5	5	35	<10	3.38	<1	15	43	280	3.73	.28	1.11	1429
287405	1/2 Core	188.48	189.25	0.77	.1	1.57	<5	<5	32	<10	2.49	<1	20	46	78	4.25	.18	1.45	1565
287406	1/2 Core	189.25	190.00	0.75	.2	1.75	<5	5	30	<10	2.61	<1	19	40	159	4.58	.16	1.66	1491

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Pioneer Laboratories Inc. Report Numbers: 2092409 (Samples: 287179-287406)

09-SND-11																			
Sample	Core	From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287179	1/2 Core	9.12	10.37	1.25	3	.05	16	.07	5	.01	4	<2	20	10	.39	<5	108	52	1
287180	1/2 Core	10.37	12.16	1.79	2	.02	21	.10	2	.15	7	<2	35	<5	.03	<5	77	130	2
287181	1/2 Core	12.16	12.80	0.64	3	.01	16	.09	7	.10	424	<2	74	5	.01	<5	107	260	1

09-SND-11																			
Sample	Core	From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287182	1/2 Core	12.80	13.35	0.55	2	.02	20	.10	5	.01	11	<2	75	6	.02	<5	110	130	2
287183	1/2 Core	13.35	14.25	0.90	1	.05	19	.11	7	.02	5	<2	53	<5	.08	<5	139	44	1
287184	1/2 Core	14.25	15.20	0.95	2	.03	20	.10	2	.01	8	<2	44	<5	.04	<5	132	68	3
287185	1/2 Core	15.20	16.72	1.52	2	.02	18	.09	8	.05	312	<2	51	<5	.02	<5	115	210	2
287186	1/2 Core	16.72	18.24	1.52	1	.05	16	.10	5	.01	8	<2	35	<5	.10	<5	138	53	6
287187	1/2 Core	18.24	19.60	1.36	2	.03	18	.09	11	.04	5	<2	41	10	.07	<5	133	52	5
287188	1/2 Core	19.60	21.28	1.68	1	.04	15	.10	9	.01	7	<2	33	<5	.10	<5	132	47	8
287189	1/2 Core	21.28	22.48	1.20	2	.05	16	.11	5	.02	2	<2	32	9	.19	<5	140	33	9
287190	1/2 Core	22.48	23.40	0.92	1	.03	17	.09	2	.01	7	<2	49	<5	.10	<5	122	68	2
287191	1/2 Core	23.40	24.32	0.92	2	.06	15	.10	7	.04	3	<2	38	12	.17	<5	144	32	1
287192	1/2 Core	24.32	25.97	1.65	1	.04	16	.09	5	.06	2	<2	31	<5	.18	<5	139	30	1
287193	1/2 Core	25.97	26.49	0.52	2	.03	25	.08	16	1.30	7	<2	39	13	.17	<5	132	89	2
287194	1/2 Core	standard 2: CDN-CGS-18			43	.07	126	.06	119	.85	5	<2	35	<5	.16	<5	60	365	300
287195	1/2 Core	blank2			2	.26	7	.05	4	.01	7	<2	65	5	.13	<5	157	14	4
287196	1/2 Core	26.49	27.36	0.87	4	.05	24	.06	11	.02	3	<2	39	<5	.15	<5	172	64	1
287197	1/2 Core	27.36	28.88	1.52	5	.03	13	.11	7	.01	4	<2	44	<5	.12	<5	105	38	1
287198	1/2 Core	28.88	30.40	1.52	4	.04	15	.12	8	.02	2	<2	51	<5	.13	<5	117	71	6
287199	1/2 Core	30.40	31.92	1.52	2	.03	18	.13	7	.06	5	<2	44	<5	.12	<5	118	111	1
287200	1/2 Core	31.92	33.44	1.52	1	.04	16	.12	9	.01	6	<2	42	<5	.13	<5	132	64	1
287201	1/2 Core	33.44	34.75	1.31	2	.03	17	.11	4	.02	7	<2	55	<5	.10	<5	103	81	2
287202	1/2 Core	34.75	36.20	1.45	1	.04	19	.13	7	.01	8	<2	74	<5	.03	<5	109	72	1
287203	1/2 Core	36.20	36.48	0.28	2	.03	20	.09	8	.02	11	<2	152	<5	.08	<5	90	70	2
287204	1/2 Core	36.75	37.95	1.20	1	.02	19	.12	9	.01	5	<2	74	<5	.01	<5	118	81	1
287205	1/2 Core	37.95	39.52	1.57	2	.04	18	.13	5	.02	4	<2	82	<5	.04	<5	119	62	5
287206	1/2 Core	39.52	41.04	1.52	1	.03	16	.12	9	.06	5	<2	79	<5	.07	<5	111	69	4
287207	1/2 Core	41.04	42.56	1.52	2	.04	18	.13	7	.06	6	<2	91	<5	.06	<5	128	89	1
287208	1/2 Core	42.56	44.08	1.52	1	.03	14	.12	8	.16	3	<2	71	6	.12	<5	114	58	2
287209	1/2 Core	44.08	45.60	1.52	2	.05	21	.10	9	.21	4	<2	72	5	.09	<5	108	89	1
287210	1/2 Core	45.60	46.52	0.92	1	.04	17	.09	7	.01	<2	<2	74	<5	.10	<5	129	63	2
287211	1/2 Core	standard 1: CDN-CGS-16			17	.11	25	.14	17	1.45	9	<2	148	9	.06	<5	138	120	145
287212	1/2 Core	blank2			1	.32	4	.05	4	.01	<2	<2	73	<5	.12	<5	183	13	16

09-SND-11																			
Sample	Core	From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287213	1/2 Core	46.52	47.77	1.25	2	.04	18	.09	8	.08	6	<2	75	<5	.10	<5	115	59	1
287214	1/2 Core	47.77	48.64	0.87	1	.03	17	.08	5	.09	3	<2	53	9	.05	8	97	69	3
287215	1/2 Core	48.64	49.75	1.11	1	.05	13	.10	2	.04	2	<2	54	<5	.14	<5	86	39	1
287216	1/2 Core	49.75	51.33	1.58	2	.04	15	.09	6	.02	4	<2	46	<5	.10	<5	117	52	3
287217	1/2 Core	51.33	51.68	0.35	1	.05	18	.10	7	.07	6	<2	99	<5	.01	<5	88	96	2
287218	1/2 Core	52.33	53.33	1.00	2	.04	20	.09	4	.02	2	<2	91	<5	.04	<5	104	63	1
287219	1/2 Core	53.33	54.10	0.77	1	.05	23	.08	3	.01	3	<2	98	<5	.01	<5	98	90	2
287220	1/2 Core	54.10	54.72	0.62	4	.04	14	.10	6	.02	5	<2	107	<5	.02	<5	71	82	1
287221	1/2 Core	54.72	55.82	1.10	1	.03	17	.09	6	.01	7	<2	101	<5	.01	<5	74	100	1
287222	1/2 Core	55.82	56.85	1.03	3	.02	14	.08	8	.02	4	<2	76	<5	.02	<5	49	119	2
287223	1/2 Core	56.85	57.76	0.91	2	.03	19	.10	11	.34	3	<2	69	<5	.01	7	74	100	1
287224	1/2 Core	57.76	58.76	1.00	4	.05	20	.09	5	.13	4	<2	48	<5	.09	<5	120	67	2
287225	1/2 Core	58.76	59.65	0.89	3	.04	16	.10	6	.25	5	<2	47	<5	.07	<5	106	60	6
287226	1/2 Core	59.65	60.50	0.85	2	.05	17	.11	2	.04	2	<2	41	6	.17	<5	124	55	1
287227	1/2 Core	60.50	60.80	0.30	1	.06	21	.10	7	.28	<2	<2	58	<5	.16	<5	134	66	2
287228	1/2 Core	standard 1: CDN-CGS-16			16	.12	28	.15	16	1.30	3	<2	138	<5	.05	<5	136	122	140
287229	1/2 Core	blank2			1	.35	3	.06	3	.01	2	<2	71	<5	.14	<5	185	15	4
287230	1/2 Core	61.66	62.76	1.10	2	.04	22	.10	6	.04	<2	<2	52	6	.15	<5	129	105	3
287231	1/2 Core	62.76	63.84	1.08	1	.05	18	.11	3	.18	4	<2	37	<5	.25	5	132	52	2
287232	1/2 Core	63.84	64.67	0.83	2	.06	14	.10	4	.16	3	<2	33	10	.20	<5	127	38	12
287233	1/2 Core	64.67	65.77	1.10	6	.04	12	.11	7	.59	4	<2	36	<5	.15	<5	90	35	4
287234	1/2 Core	65.77	66.88	1.11	1	.05	13	.10	4	.04	2	<2	39	8	.17	<5	113	48	2
287235	1/2 Core	66.88	67.88	1.00	2	.04	18	.09	3	.08	3	<2	46	<5	.19	6	117	84	4
287236	1/2 Core	67.88	68.15	0.27	1	.06	12	.10	5	.66	2	<2	52	8	.18	<5	68	29	1
287237	1/2 Core	68.15	69.10	0.95	2	.05	14	.09	2	.02	4	<2	37	<5	.21	<5	125	45	1
287238	1/2 Core	69.10	69.50	0.40	1	.08	12	.10	6	.16	2	<2	54	<5	.17	<5	99	29	2
287239	1/2 Core	69.50	69.92	0.42	5	.05	16	.11	13	.76	4	<2	49	<5	.18	<5	90	70	1
287240	1/2 Core	69.92	71.00	1.08	2	.06	13	.10	7	.05	<2	<2	53	<5	.16	<5	108	36	3
287241	1/2 Core	71.00	72.10	1.10	3	.05	12	.09	5	.03	3	<2	40	<5	.17	<5	114	33	1
287242	1/2 Core	72.10	72.30	0.20	2	.04	16	.08	7	.44	4	<2	56	6	.14	<5	74	54	5
287243	1/2 Core	72.30	72.56	0.26	1	.05	14	.09	2	.02	2	<2	41	5	.15	<5	104	51	76

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Sample	Core	From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287244	1/2 Core	72.56	72.96	0.40	2	.04	12	.10	3	.01	1	<2	47	<5	.19	<5	111	36	3
287245	1/2 Core	standard 1: CDN-CGS-16			17	.11	24	.14	18	1.30	4	<2	123	<5	.06	<5	128	120	145
287246	1/2 Core	blank2			2	.25	5	.08	2	.03	1	<2	81	<5	.13	<5	178	17	1
287247	1/2 Core	73.90	74.75	0.85	1	.05	20	.10	4	.08	5	<2	99	4	.03	<5	96	144	2
287248	1/2 Core	74.75	75.90	1.15	2	.04	12	.11	2	.25	5	<2	53	6	.14	<5	104	32	1
287249	1/2 Core	75.90	76.00	0.10	1	.05	16	.10	8	.07	2	<2	30	<5	.16	<5	116	68	2
287250	1/2 Core	76.50	77.45	0.95	2	.04	15	.09	11	.47	<2	<2	40	<5	.15	<5	91	103	1
287251	1/2 Core	77.45	78.55	1.10	1	.05	17	.10	7	.19	<2	<2	43	7	.21	6	104	60	2
287252	1/2 Core	78.55	79.04	0.49	2	.04	19	.09	6	.06	2	<2	63	<5	.18	<5	97	86	4
287253	1/2 Core	79.55	80.55	1.00	3	.05	14	.10	7	.20	3	<2	82	<5	.20	<5	76	52	3
287254	1/2 Core	80.55	81.60	1.05	2	.06	15	.09	18	.43	1	<2	98	<5	.21	12	90	32	13
287255	1/2 Core	81.60	82.08	0.48	1	.05	10	.10	4	.04	4	<2	51	6	.16	<5	79	21	1
287255	1/2 Core	82.08	82.47	0.39															
287256	1/2 Core	82.47	83.40	0.93	2	.06	12	.09	5	.32	2	<2	59	<5	.18	<5	75	28	4
287257	1/2 Core	83.40	84.50	1.10	3	.05	15	.11	6	.11	1	<2	45	8	.15	11	91	74	3
287258	1/2 Core	84.50	85.12	0.62	2	.04	12	.10	12	.20	2	<2	49	<5	.18	<5	64	53	2
287259	1/2 Core	85.12	85.92	0.80	1	.05	13	.09	8	.03	3	<2	41	<5	.16	<5	92	57	1
287260	1/2 Core	**85.92**	**86.57**	0.65	3	.01	4	.02	2	.61	2	<2	8	<5	.01	<5	9	12	2
287261	1/2 Core	86.57	87.37	0.80	5	.05	24	.10	5	.19	4	<2	91	7	.01	<5	110	159	3
287262	1/2 Core	standard 2: CDN-CGS-18			43	.07	127	.07	109	.76	5	<2	33	<5	.16	<5	60	366	290
287263	1/2 Core	blank2			2	.31	3	.05	5	.01	3	<2	56	<5	.14	<5	186	20	10
287264	1/2 Core	87.37	88.16	0.79	3	.06	23	.10	9	.07	5	<2	118	<5	.02	<5	96	140	1
287265	1/2 Core	88.26	88.96	0.70	1	.08	16	.07	7	.10	3	<2	223	7	.01	<5	66	92	5
287266	1/2 Core	88.96	89.70	0.74	2	.05	17	.08	8	.08	4	<2	159	<5	.01	<5	61	108	4
287267	1/2 Core	89.70	90.70	1.00	1	.03	13	.09	9	.04	7	<2	127	<5	.02	<5	58	152	2
287268	1/2 Core	90.70	91.20	0.50	2	.04	14	.10	11	.24	4	<2	118	<5	.01	<5	56	135	3
287269	1/2 Core	91.40	92.50	1.10	5	.03	16	.09	15	.06	80	<2	119	<5	.02	<5	48	260	10
287270	1/2 Core	92.50	93.20	0.70	3	.02	7	.10	10	.05	83	<2	118	<5	.01	<5	35	182	1
287271	1/2 Core	93.20	93.93	0.73	9	.01	8	.09	11	.09	115	<2	105	<5	.02	<5	28	226	2
287272	1/2 Core	**93.93**	94.24	0.31	69	.02	7	.08	10	1.20	250	<2	101	12	.01	<5	25	308	24
287273	1/2 Core	94.34	95.07	0.73	15	.03	10	.10	11	.12	61	<2	119	<5	.02	<5	42	231	2

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Sample	Core	From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287274	1/2 Core	**95.07**	**95.57**	0.50	86	.02	5	.08	97	.29	811	<2	128	<5	.01	<5	19	656	7
287275	1/2 Core	95.57	96.45	0.88	9	.04	9	.10	12	.15	248	<2	132	<5	.02	<5	31	323	23
287276	1/2 Core	96.45	97.28	0.83	2	.03	10	.09	7	.08	22	<2	121	<5	.01	<5	26	109	3
287277	1/2 Core	97.28	98.38	1.10	3	.04	16	.07	15	.05	7	<2	112	<5	.02	<5	58	189	2
287278	1/2 Core	98.38	99.28	0.90	2	.03	12	.08	11	.02	2	<2	106	<5	.01	<5	60	109	3
287279	1/2 Core	standard 1: CDN-CGS-16			16	.11	24	.14	19	1.30	6	<2	124	<5	.06	<5	123	125	140
287280	1/2 Core	blank2			1	.28	5	.06	2	.01	2	<2	69	<5	.18	<5	140	21	18
287281	1/2 Core	99.28	100.32	1.04	2	.03	15	.08	8	.02	6	<2	103	6	.01	<5	70	158	1
287282	1/2 Core	100.32	101.30	0.98	3	.04	13	.07	9	.01	2	<2	112	<5	.02	<5	61	184	2
287283	1/2 Core	101.30	102.35	1.05	2	.03	8	.09	14	.11	4	<2	80	4	.01	<5	35	160	1
287284	1/2 Core	102.35	103.36	1.01	1	.02	8	.08	8	.03	3	<2	78	<5	.01	<5	34	130	2
287285	1/2 Core	103.36	104.24	0.88	2	.03	17	.07	11	.02	4	<2	94	<5	.02	<5	57	306	1
287286	1/2 Core	104.24	105.24	1.00	1	.04	15	.08	8	.01	1	<2	117	<5	.01	<5	64	140	3
287287	1/2 Core	105.24	106.40	1.16	2	.03	16	.07	9	.03	4	<2	96	<5	.02	<5	50	176	2
287288	1/2 Core	106.40	107.40	1.00	1	.02	14	.08	6	.01	2	<2	90	<5	.01	<5	38	154	3
287289	1/2 Core	107.40	108.40	1.00	2	.04	15	.07	11	.03	4	<2	96	<5	.02	<5	56	177	4
287290	1/2 Core	108.40	109.44	1.04	1	.03	7	.08	8	.05	2	<2	101	<5	.01	<5	43	133	3
287291	1/2 Core	109.44	110.54	1.10	2	.04	8	.09	9	.10	10	<2	104	<5	.01	<5	36	311	2
287292	1/2 Core	110.54	111.64	1.10	3	.03	21	.08	8	.01	8	<2	106	7	.02	<5	66	171	1
287293	1/2 Core	111.64	112.48	0.84	2	.02	14	.07	7	.04	7	<2	101	<5	.01	<5	50	218	3
287294	1/2 Core	112.48	113.58	1.10	3	.03	16	.08	8	.05	5	<2	96	<5	.02	<5	47	142	2
287295	1/2 Core	113.58	114.50	0.92	1	.02	20	.07	12	.02	6	<2	103	<5	.01	<5	59	137	10
287296	1/2 Core	standard 1: CDN-CGS-16			15	.11	25	.14	20	1.32	3	<2	128	7	.06	<5	128	120	135
287297	1/2 Core	blank2			1	.31	3	.06	4	.01	1	<2	61	<5	.12	<5	147	17	7
287298	1/2 Core	114.50	115.52	1.02	2	.03	20	.07	11	.05	4	<2	122	<5	.01	<5	66	208	16
287299	1/2 Core	115.52	116.34	0.82	1	.02	15	.08	9	.04	5	<2	130	<5	.02	<5	58	102	4
287300	1/2 Core	116.34	117.16	0.82	2	.03	14	.07	10	.05	4	<2	133	<5	.01	<5	52	140	6
287301	1/2 Core	117.16	118.11	0.95	3	.04	18	.08	11	.03	6	<2	123	<5	.02	<5	74	134	3
287302	1/2 Core	118.11	118.56	0.45	2	.03	23	.07	10	.18	3	<2	107	<5	.01	<5	71	177	4
287303	1/2 Core	119.06	120.05	0.99	4	.02	19	.08	23	.27	6	<2	117	<5	.02	<5	53	147	3
287304	1/2 Core	120.05	120.95	0.90	2	.04	20	.09	10	.06	4	<2	126	<5	.01	<5	59	121	5

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Sample	Core	From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287305	1/2 Core	120.95	121.60	0.65	5	.03	21	.08	11	.11	9	<2	123	<5	.02	<5	66	125	4
287306	1/2 Core	121.60	122.60	1.00	1	.04	20	.07	7	.02	5	<2	137	<5	.01	<5	67	111	3
287307	1/2 Core	122.60	123.53	0.93	2	.03	23	.08	6	.01	2	<2	114	<5	.02	<5	79	156	8
287308	1/2 Core	123.53	124.30	0.77	3	.02	20	.07	22	.11	3	<2	104	<5	.01	<5	62	160	1
287309	1/2 Core	124.30	124.64	0.34	1	.03	21	.06	8	.04	4	<2	97	<5	.02	<5	72	162	2
287310	1/2 Core	124.94	126.00	1.06	2	.04	20	.08	7	.02	6	<2	113	<5	.01	<5	83	124	1
287311	1/2 Core	126.00	126.88	0.88	1	.03	19	.07	13	.04	7	<2	118	<5	.02	<5	88	126	2
287312	1/2 Core	126.88	127.44	0.56	2	.04	22	.08	10	.02	5	<2	130	<5	.01	<5	75	133	20
287313	1/2 Core	standard 1: CDN-CGS-16			17	.11	25	.14	19	1.41	4	<2	141	3	.06	<5	133	112	150
287314	1/2 Core	blank2			3	.30	3	.05	4	.01	4	<2	68	<5	.11	8	151	16	3
287315	1/2 Core	127.44	127.68	0.24	1	.03	14	.07	20	.03	3	<2	118	<5	.02	<5	64	134	1
287316	1/2 Core	127.88	128.88	1.00	2	.02	21	.08	18	.10	4	<2	85	<5	.01	<5	69	169	2
287317	1/2 Core	128.88	129.75	0.87	3	.03	20	.07	25	.14	3	<2	101	<5	.02	<5	89	144	1
287318	1/2 Core	129.75	130.72	0.97	2	.04	19	.08	12	.02	9	<2	125	<5	.01	<5	92	126	18
287319	1/2 Core	130.72	130.93	0.21	3	.02	16	.05	20	.07	8	<2	102	<5	.01	<5	59	144	1
287320	1/2 Core	130.93	131.92	0.99	2	.04	20	.08	11	.02	4	<2	140	<5	.02	<5	101	112	2
287321	1/2 Core	131.92	132.87	0.95	1	.03	22	.07	13	.03	6	<2	99	<5	.01	<5	74	173	1
287322	1/2 Core	132.87	133.76	0.89	2	.02	20	.08	14	.05	7	<2	124	<5	.01	<5	82	156	2
287323	1/2 Core	133.76	134.76	1.00	3	.03	22	.07	19	.03	8	<2	106	<5	.02	<5	91	205	4
287324	1/2 Core	134.76	135.66	0.90	2	.04	23	.08	13	.02	3	<2	127	<5	.02	<5	101	186	14
287325	1/2 Core	135.66	136.80	1.14	3	.03	22	.07	36	.04	5	<2	120	<5	.01	<5	98	203	2
287326	1/2 Core	136.80	137.60	0.80	2	.02	19	.06	23	.06	12	<2	101	<5	.02	<5	75	184	1
287327	1/2 Core	137.60	138.22	0.62	1	.03	20	.08	13	.04	6	<2	132	<5	.01	<5	90	150	6
287328	1/2 Core	138.22	139.00	0.78	2	.04	21	.09	7	.02	5	<2	145	<5	.02	<5	95	124	2
287329	1/2 Core	139.00	139.84	0.84	3	.03	17	.07	14	.09	7	<2	104	<5	.01	<5	70	153	3
287330	1/2 Core	standard 1: CDN-CGS-16			17	.11	25	.14	17	1.40	3	<2	145	5	.06	<5	134	125	135
287331	1/2 Core	blank2			1	.21	4	.05	2	.01	2	<2	47	<5	.19	<5	131	23	5
287332	1/2 Core	139.84	140.84	1.00	2	.03	19	.07	10	.07	9	<2	99	<5	.01	<5	73	201	2
287333	1/2 Core	140.84	141.52	0.68	3	.02	18	.06	7	.10	15	<2	85	<5	.01	<5	68	289	1
287334	1/2 Core	141.52	141.90	0.38	2	.03	15	.09	19	.61	43	<2	114	<5	.03	<5	69	144	3
287335	1/2 Core	141.90	142.70	0.80	4	.02	10	.06	120	1.39	137	<2	64	<5	.01	<5	24	149	9

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Sample	Core	From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287336	1/2 Core	142.70	142.88	0.18	3	.03	21	.08	20	.06	16	<2	100	<5	.02	<5	82	282	1
287337	1/2 Core	143.58	144.70	1.12	1	.02	17	.07	4	.07	32	<2	91	<5	.03	<5	81	328	2
287338	1/2 Core	144.70	144.92	0.22	2	.01	4	.02	5	.11	68	<2	166	<5	.01	<5	21	122	1
287339	1/2 Core	144.92	145.92	1.00	3	.02	6	.06	7	.14	111	<2	128	<5	.02	<5	38	154	2
287340	1/2 Core	145.92	146.14	0.22	2	.01	19	.08	18	.09	9	<2	90	<5	.01	<5	78	405	1
287341	1/2 Core	146.14	146.95	0.81	7	.01	9	.04	8	.09	46	<2	110	<5	.02	<5	38	233	3
287342	1/2 Core	146.95	147.61	0.66	4	.02	11	.06	7	.08	93	<2	78	<5	.01	<5	39	284	2
287343	1/2 Core	147.61	148.60	0.99	3	.01	5	.02	14	.14	558	<2	110	<5	.02	<5	38	424	25
287344	1/2 Core	148.60	148.96	0.36	2	.02	9	.03	17	.16	443	<2	122	<5	.01	<5	58	545	9
287345	1/2 Core	149.60	150.25	0.65	3	.01	8	.04	19	.20	507	<2	97	<5	.02	<5	45	454	3
287346	1/2 Core	150.25	150.45	0.20	11	.02	7	.03	25	.71	155	<2	47	<5	.01	<5	29	228	5
287347	1/2 Core	standard 2: CDN-CGS-18			42	.07	124	.07	115	.78	5	<2	32	<5	.20	<5	62	354	290
287348	1/2 Core	blank2			2	.17	3	.06	2	.01	4	<2	28	<5	.13	<5	80	16	1
287349	1/2 Core	150.45	150.80	0.35	28	.02	7	.04	27	1.20	45	<2	36	<5	.02	<5	30	162	11
287350	1/2 Core	150.80	151.80	1.00	25	.01	5	.03	44	1.33	121	<2	42	<5	.01	<5	18	143	2
287351	1/2 Core	151.80	152.00	0.20	8	.02	6	.05	26	.59	263	<2	55	<5	.01	<5	15	233	7
287352	1/2 Core	152.17	152.60	0.43	23	.01	5	.03	132	2.68	421	<2	38	9	.02	<5	13	323	27
287353	1/2 Core	152.60	153.45	0.85	6	.02	4	.05	42	.43	334	<2	46	<5	.01	<5	14	235	5
287354	1/2 Core	153.45	154.25	0.80	5	.01	3	.04	6	.52	110	<2	53	<5	.02	<5	18	153	2
287355	1/2 Core	154.25	155.04	0.79	6	.02	6	.03	4	.47	12	<2	44	<5	.01	<5	22	146	1
287356	1/2 Core	155.04	155.40	0.36	11	.01	6	.05	5	.57	87	<2	40	<5	.02	<5	20	173	4
287357	1/2 Core	155.40	156.00	0.60	9	.02	5	.07	16	.40	121	<2	73	<5	.01	<5	21	207	3
287358	1/2 Core	156.00	156.50	0.50	13	.01	4	.08	46	1.07	52	<2	53	<5	.02	<5	15	120	6
287359	1/2 Core	156.50	157.17	0.67	4	.02	7	.07	7	.17	6	<2	80	<5	.01	<5	26	169	1
287360	1/2 Core	157.17	158.08	0.91	3	.01	6	.09	10	.11	17	<2	94	<5	.02	<5	27	181	2
287361	1/2 Core	158.08	158.93	0.85	4	.02	7	.08	11	.15	5	<2	82	<5	.01	<5	29	266	1
287362	1/2 Core	158.93	159.20	0.27	5	.01	9	.10	20	.58	6	<2	56	<5	.02	<5	35	279	2
287363	1/2 Core	159.20	160.15	0.95	4	.02	8	.09	21	.35	5	<2	73	<5	.01	<5	38	402	10
287364	1/2 Core	standard 1: CDN-CGS-16			18	.11	25	.14	20	1.32	9	<2	123	4	.06	<5	130	128	130
287365	1/2 Core	blank2			1	.32	3	.06	5	.01	6	<2	66	<5	.11	6	150	15	1
287366	1/2 Core	160.15	161.12	0.97	7	.02	7	.08	17	.61	9	<2	47	<5	.01	<5	27	211	6

09-SND-11																			
Sample	Core	From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287367	1/2 Core	161.12	162.12	1.00	5	.01	8	.10	2	.09	5	<2	61	<5	.02	<5	36	152	11
287368	1/2 Core	162.12	163.17	1.05	4	.02	5	.09	6	.17	6	<2	60	<5	.01	<5	28	117	1
287369	1/2 Core	163.17	163.76	0.59	3	.01	11	.08	9	.46	5	<2	51	<5	.02	<5	44	348	2
287370	1/2 Core	163.76	164.16	0.40	4	.02	7	.07	7	.21	9	<2	66	<5	.01	<5	41	287	1
287371	1/2 Core	164.62	165.40	0.78	5	.01	6	.10	6	.06	4	<2	76	<5	.01	<5	59	133	4
287372	1/2 Core	165.40	166.22	0.82	4	.03	4	.09	9	.09	5	<2	72	<5	.02	<5	42	117	1
287373	1/2 Core	166.22	166.97	0.75	3	.02	2	.07	2	.07	2	<2	89	<5	.01	<5	26	93	2
287374	1/2 Core	166.97	167.20	0.23	4	.03	7	.09	6	.06	6	<2	86	<5	.01	<5	43	123	1
287375	1/2 Core	168.23	168.98	0.75	5	.02	10	.08	30	.27	4	<2	73	<5	.02	<5	47	209	2
287376	1/2 Core	168.98	169.65	0.67	4	.01	9	.09	10	.18	5	<2	81	<5	.01	<5	28	148	1
287377	1/2 Core	169.65	170.24	0.59	6	.03	15	.08	2	.06	6	<2	87	<5	.02	<5	60	258	7
287378	1/2 Core	170.70	171.70	1.00	3	.02	13	.07	4	.05	5	<2	85	<5	.01	<5	58	180	5
287379	1/2 Core	171.70	172.70	1.00	4	.03	11	.09	5	.10	10	<2	102	<5	.02	<5	60	161	1
287380	1/2 Core	172.70	173.28	0.58	2	.02	10	.08	4	.09	5	<2	105	<5	.01	<5	45	127	4
287381	1/2 Core	standard 1: CDN-CGS-16			17	.12	27	.14	19	1.33	3	<2	129	3	.06	<5	137	120	135
287382	1/2 Core	blank2			2	.21	6	.07	2	.01	4	<2	71	<5	.27	<5	150	29	1
287383	1/2 Core	173.70	174.70	1.00	3	.03	13	.06	5	.08	16	<2	88	<5	.01	<5	54	211	2
287384	1/2 Core	174.70	175.50	0.80	4	.02	15	.08	2	.07	6	<2	91	<5	.01	<5	65	210	1
287385	1/2 Core	175.50	176.32	0.82	3	.03	12	.07	5	.10	4	<2	97	<5	.02	<5	59	170	2
287386	1/2 Core	176.32	176.77	0.45	2	.02	14	.06	4	.09	3	<2	54	<5	.01	<5	52	275	1
287387	1/2 Core	176.77	177.82	1.05	1	.03	11	.07	5	.11	8	<2	85	<5	.02	<5	55	213	1
287388	1/2 Core	177.82	178.44	0.62	4	.02	14	.09	10	.17	27	<2	72	<5	.01	<5	47	308	2
287389	1/2 Core	178.44	179.07	0.63	5	.04	18	.08	23	.29	33	<2	109	<5	.02	<5	45	245	12
287390	1/2 Core	179.07	179.36	0.29	6	.02	14	.07	4	.13	65	<2	67	<5	.01	<5	24	195	1
287391	1/2 Core	179.56	180.58	1.02	5	.01	13	.06	3	.37	23	<2	59	<5	.02	<5	36	183	2
287392	1/2 Core	180.58	180.93	0.35	2	.02	17	.08	4	.04	24	<2	46	10	.01	<5	60	273	1
287393	1/2 Core	180.93	181.95	1.02	9	.01	15	.07	7	.39	4	<2	36	17	.02	<5	62	260	3
287394	1/2 Core	181.95	182.40	0.45	3	.03	16	.08	3	.07	6	<2	45	<5	.01	<5	80	166	2
287395	1/2 Core	182.95	184.05	1.10	4	.02	17	.07	2	.26	4	<2	35	<5	.02	<5	87	290	1
287396	1/2 Core	184.05	184.90	0.85	5	.03	18	.08	8	.23	3	<2	40	<5	.01	<5	97	323	2
287397	1/2 Core	184.90	185.44	0.54	7	.02	16	.07	2	.27	5	<2	30	<5	.01	<5	95	220	1

09-SND-11																			
Sample	Core	From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287398	1/2 Core	standard 1: CDN-CGS-16			17	.11	24	.15	18	1.34	4	<2	127	8	.02	<5	130	120	145
287399	1/2 Core	blank2			1	.21	3	.04	2	.02	3	<2	41	<5	.05	<5	101	20	9
287400	1/2 Core	185.56	186.20	0.64	8	.02	16	.08	9	.45	7	<2	44	<5	.01	<5	85	307	1
287401	1/2 Core	186.20	186.93	0.73	23	.01	18	.07	5	.80	1	<2	35	<5	.02	<5	73	255	5
287402	1/2 Core	186.93	187.35	0.42	9	.02	17	.06	10	.43	3	<2	53	<5	.01	<5	72	327	2
287403	1/2 Core	187.35	187.80	0.45	3	.03	22	.08	6	.04	<2	<2	80	5	.01	<5	119	250	1
287404	1/2 Core	187.80	188.48	0.68	4	.04	16	.07	6	.05	3	<2	93	<5	.02	<5	102	182	2
287405	1/2 Core	188.48	189.25	0.77	3	.03	19	.08	1	.03	1	<2	54	<5	.01	<5	119	176	1
287406	1/2 Core	189.25	190.00	0.75	5	.04	18	.07	2	.02	4	<2	57	<5	.02	<5	120	163	2

09-SND-12

Pioneer Laboratories Inc. Report Numbers: 2092438 (Samples: 287407-287615); 2092438 (Sample: 287444); 2102603 (Sample: 287536)

09-SND-12																				
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287407	1/2 Core	9.12	10.40	1.28	.1	1.77	18	<5	466	<10	2.27	<1	10	24	95	3.14	.10	1.01	346
287408	1/2 Core	10.40	11.30	0.90	.2	2.14	17	<5	375	<10	2.44	1	11	28	37	3.60	.12	1.23	443
287409	1/2 Core	11.30	12.16	0.86	.1	2.06	7	<5	428	<10	2.56	<1	10	31	48	3.59	.11	1.32	412
287410	1/2 Core	12.16	12.66	0.50	.3	2.18	10	<5	97	<10	2.51	1	13	37	171	3.99	.08	1.37	420
287411	1/2 Core	12.66	13.44	0.78	.2	1.92	14	<5	620	<10	2.61	<1	11	32	69	3.48	.10	1.02	333
287412	1/2 Core	13.44	14.60	1.16	.1	1.92	8	<5	974	<10	2.21	2	10	25	164	3.21	.09	1.08	296
287413	1/2 Core	14.60	15.20	0.60	.2	2.46	5	<5	661	<10	3.48	1	11	26	108	3.44	.12	1.23	398
287414	1/2 Core	15.80	16.90	1.10	.1	2.94	9	<5	191	<10	3.56	<1	13	28	85	3.88	.10	1.71	588
287415	1/2 Core	16.90	17.44	0.54	.1	3.01	5	<5	519	<10	4.85	<1	14	26	222	3.75	.09	1.70	529
287416	1/2 Core	17.44	18.24	0.80	.2	2.42	7	<5	513	<10	3.25	<1	11	26	58	3.71	.10	1.26	445
287417	1/2 Core	18.24	18.90	0.66	.1	2.25	5	<5	428	<10	3.53	2	10	28	203	3.53	.08	1.05	413
287418	1/2 Core	18.90	19.35	0.45	.2	1.99	6	<5	141	<10	8.17	<1	9	23	68	2.99	.07	1.15	590
287419	1/2 Core	19.35	19.93	0.58	.1	1.80	5	<5	685	<10	3.46	<1	11	34	108	3.46	.10	1.13	366
287420	1/2 Core	19.93	20.50	0.57	.3	1.81	6	<5	922	<10	1.95	1	12	35	52	3.55	.13	1.14	322
287421	1/2 Core	20.50	21.28	0.78	.1	1.79	15	<5	129	<10	3.82	2	11	44	86	3.54	.12	1.23	484
287422	1/2 Core	standard 1: CDN-CGS-16			1.1	2.07	62	<5	130	<10	4.59	1	19	39	1084	5.06	.43	1.85	810
287423	1/2 Core	blank2			.1	.97	5	<5	35	<10	.86	<1	2	15	8	.73	.08	.19	148
287424	1/2 Core	21.28	22.28	1.00	.1	2.42	7	<5	50	<10	4.86	<1	15	26	62	4.29	.07	1.45	641
287425	1/2 Core	22.28	23.38	1.10	.2	2.44	8	<5	68	<10	4.24	2	10	21	86	3.37	.06	1.08	456
287426	1/2 Core	23.38	24.32	0.94	.1	1.67	5	<5	80	<10	3.21	1	9	24	85	3.54	.05	.89	379
287427	1/2 Core	24.32	25.44	1.12	.1	2.15	6	<5	289	<10	4.46	<1	14	21	343	3.70	.07	1.17	470
287428	1/2 Core	25.44	26.56	1.12	.2	1.63	5	<5	375	<10	2.73	<1	10	23	269	3.46	.05	.96	314
287429	1/2 Core	26.56	27.36	0.80	.1	1.37	8	<5	145	<10	1.45	2	9	26	71	3.22	.04	.86	233
287430	1/2 Core	27.36	28.36	1.00	.2	1.44	6	<5	773	<10	2.24	1	10	31	157	3.04	.05	.82	340
287431	1/2 Core	28.36	29.55	1.19	.1	1.43	11	<5	208	<10	1.90	<1	9	26	179	3.00	.04	.86	388
287432	1/2 Core	29.55	30.40	0.85	.1	1.56	5	<5	31	<10	3.32	1	13	31	479	3.49	.05	1.05	611
287433	1/2 Core	30.40	31.50	1.10	.2	1.15	6	<5	48	<10	1.89	<1	9	32	165	3.11	.07	.74	327

09-SND-12																				
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287434	1/2 Core	31.50	32.40	0.90	.1	1.32	5	<5	183	<10	1.58	<1	12	26	368	2.78	.05	1.02	445
287435	1/2 Core	32.40	33.40	1.00	.2	2.46	15	<5	5	<10	2.15	2	23	49	375	3.44	.02	2.56	1409
287436	1/2 Core	33.40	33.44	0.04	.1	2.24	6	<5	8	<10	2.94	1	19	41	483	3.92	.05	2.23	1410
287437	1/2 Core	35.10	36.48	1.38	.4	1.90	5	<5	22	<10	2.49	<1	22	31	2681	3.61	.08	1.69	1087
287438	1/2 Core	36.59	37.30	0.71	.3	2.39	14	<5	5	<10	.80	<1	26	60	2561	3.84	.03	2.23	1134
287439	1/2 Core	standard 1: CDN-CGS-16			1.0	1.93	49	<5	123	<10	4.31	2	19	38	1057	4.99	.42	1.93	804
287440	1/2 Core	blank2			.1	1.97	5	<5	44	<10	1.26	<1	6	41	31	2.39	.10	.40	146
287441	1/2 Core	37.30	38.25	0.95	.1	1.34	8	<5	75	<10	1.71	1	14	37	220	3.37	.07	1.21	605
287442	1/2 Core	38.25	39.52	1.27	.2	1.36	5	<5	79	<10	2.81	<1	16	27	467	3.17	.05	1.29	623
287443	1/2 Core	39.52	41.32	1.80	.1	1.49	6	<5	105	<10	2.62	1	14	24	138	4.16	.12	1.27	569
287444	1/2 Core	41.32	42.36	1.04	1.8	2.06	5	<5	24	<10	4.76	2	28	33	12783	5.17	.11	1.50	839
287445	1/2 Core	42.36	42.56	0.20	.1	1.41	10	<5	361	<10	1.74	1	17	28	267	3.84	.08	.94	324
287446	1/2 Core	43.46	44.56	1.10	.2	1.47	13	<5	46	<10	1.82	2	16	29	166	4.45	.09	.95	326
287447	1/2 Core	44.56	45.60	1.04	.1	2.08	18	<5	23	<10	3.08	1	17	27	1169	4.70	.08	1.49	677
287448	1/2 Core	45.60	48.64	3.04	.1	1.69	5	<5	23	<10	2.60	1	14	32	322	4.35	.07	1.35	632
287449	1/2 Core	48.64	49.64	1.00	.2	2.11	6	<5	257	<10	3.80	2	18	32	1318	5.24	.08	1.67	855
287450	1/2 Core	49.64	50.64	1.00	.1	1.60	5	<5	173	<10	2.04	1	12	43	351	4.04	.07	1.06	413
287451	1/2 Core	50.64	51.68	1.04	.1	2.06	11	<5	256	<10	3.18	1	15	56	766	3.94	.06	1.28	482
287452	1/2 Core	51.68	52.68	1.00	.2	1.89	8	<5	221	<10	2.70	2	13	47	41	4.17	.09	1.38	631
287453	1/2 Core	52.68	53.50	0.82	.1	1.82	18	<5	107	<10	1.82	1	12	36	209	4.11	.08	1.19	452
287454	1/2 Core	53.50	54.22	0.72	.1	2.43	17	<5	20	<10	3.07	2	18	65	213	4.94	.09	2.31	754
287455	1/2 Core	54.22	54.72	0.50	.2	2.10	5	<5	30	<10	2.60	1	11	40	137	3.77	.08	.99	349
287456	1/2 Core	standard 1: CDN-CGS-16			1.1	1.90	52	<5	132	<10	4.25	3	19	39	1105	5.10	.41	1.89	722
287457	1/2 Core	blank2			.1	1.48	5	<5	34	<10	2.05	<1	14	51	44	3.01	.07	.43	203
287458	1/2 Core	55.22	55.92	0.70	.1	1.73	6	<5	120	<10	2.08	1	13	39	741	3.88	.08	1.05	341
287459	1/2 Core	55.92	56.65	0.73	.2	1.67	12	<5	177	<10	2.73	2	15	53	212	3.87	.07	1.38	556
287460	1/2 Core	56.65	57.30	0.65	.1	1.32	14	<5	26	<10	2.67	<1	21	28	1595	1.96	.08	.81	249
287461	1/2 Core	57.30	57.76	0.46	.1	1.73	5	<5	37	<10	1.65	2	9	31	46	3.67	.07	1.01	299
287462	1/2 Core	58.45	59.20	0.75	.2	1.95	11	<5	42	<10	2.68	1	11	32	335	3.71	.06	1.16	397
287463	1/2 Core	59.20	60.25	1.05	.1	1.48	5	<5	473	<10	1.70	1	10	44	406	3.85	.07	.83	230

09-SND-12																			
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287464	1/2 Core	60.25	60.45	0.20	.8	3.59	20	<5	161	<10	2.57	2	32	64	5200	5.79	.05	2.97	792
287465	1/2 Core	60.45	60.80	0.35	.3	1.84	5	<5	776	<10	2.64	1	14	33	146	4.16	.04	1.29	467
287466	1/2 Core	61.45	62.50	1.05	.1	1.57	20	<5	44	<10	1.91	2	12	40	46	4.19	.08	1.16	432
287467	1/2 Core	62.50	62.85	0.35	.2	1.88	5	<5	18	<10	2.53	1	14	32	146	4.42	.07	1.41	598
287468	1/2 Core	62.85	63.30	0.45	.3	2.49	9	<5	22	<10	5.28	2	18	35	1615	3.98	.04	1.68	795
287469	1/2 Core	63.30	63.84	0.54	.1	1.89	5	<5	36	<10	2.60	1	13	36	340	4.22	.09	1.10	363
287470	1/2 Core	64.20	65.10	0.90	.2	1.54	17	<5	220	<10	1.86	2	14	29	144	4.13	.08	.96	246
287471	1/2 Core	65.10	66.30	1.20	.3	1.74	16	<5	2424	<10	2.30	1	11	25	36	4.14	.11	.97	274
287472	1/2 Core	66.30	66.88	0.58	.1	2.23	5	<5	1792	<10	2.70	2	27	48	140	4.69	.08	1.59	506
287473	1/2 Core	standard 1: CDN-CGS-16			1.2	1.91	49	<5	141	<10	4.29	3	19	36	1105	5.10	.41	1.89	730
287474	1/2 Core	blank2			.1	1.84	18	<5	41	<10	2.06	1	10	52	78	3.11	.08	.49	193
287475	1/2 Core	67.10	68.10	1.00	.2	1.97	17	<5	1119	<10	2.18	2	14	45	338	4.11	.11	1.17	312
287476	1/2 Core	68.10	69.00	0.90	.1	1.69	5	<5	601	<10	2.10	1	12	27	269	4.16	.09	.99	341
287477	1/2 Core	69.00	69.65	0.65	.3	2.13	14	<5	361	<10	2.52	1	11	19	87	3.78	.08	1.08	382
287478	1/2 Core	69.65	69.92	0.27	.1	2.71	5	<5	35	<10	4.29	2	17	24	285	4.62	.12	1.86	701
287479	1/2 Core	70.30	70.90	0.60	.2	1.98	16	<5	27	<10	2.54	1	16	25	407	4.03	.08	1.63	544
287480	1/2 Core	70.90	71.96	1.06	.1	1.77	9	<5	>1000	<10	2.25	1	12	24	1306	3.59	.09	1.17	468
287481	1/2 Core	71.96	72.96	1.00	.3	1.54	11	<5	149	<10	2.45	2	14	23	110	3.66	.08	1.32	556
287482	1/2 Core	72.96	73.80	0.84	.1	1.68	5	<5	313	<10	2.54	1	15	24	320	3.97	.07	1.40	693
287483	1/2 Core	73.80	74.50	0.70	.3	1.34	16	<5	77	<10	8.14	1	14	15	594	2.37	.35	.64	1168
287484	1/2 Core	74.50	75.25	0.75	.2	3.78	24	<5	24	<10	2.94	2	27	30	628	6.26	.10	3.39	1717
287485	1/2 Core	75.25	76.00	0.75	.1	3.77	23	<5	25	<10	2.97	1	30	39	383	6.04	.08	3.83	1973
287486	1/2 Core	76.00	76.90	0.90	.6	2.71	5	<5	21	<10	5.67	1	26	42	1685	4.85	.15	2.37	2168
287487	1/2 Core	76.90	77.60	0.70	.1	3.01	39	<5	45	<10	4.82	2	25	45	301	5.90	.13	2.77	2006
287488	1/2 Core	77.60	78.80	1.20	.1	.70	11	<5	105	<10	11.69	<1	7	29	46	1.49	.16	.38	3439
287489	1/2 Core	78.80	79.04	0.24	.3	1.58	21	<5	68	<10	5.28	1	20	20	371	3.26	.28	.51	1437
287490	1/2 Core	standard 1: CDN-CGS-16			1.2	2.01	59	<5	142	<10	3.94	2	18	37	1071	5.06	.32	1.79	806
287491	1/2 Core	blank2			.2	1.64	10	<5	64	<10	1.75	<1	9	63	45	3.84	.06	.51	280
287492	1/2 Core	80.00	80.85	0.85	.3	2.11	13	<5	22	<10	4.33	1	26	36	445	4.54	.14	1.52	1402
287493	1/2 Core	80.85	81.90	1.05	.5	1.64	8	<5	18	<10	4.75	<1	16	20	299	3.04	.23	.85	1175

09-SND-12																			
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287494	1/2 Core	81.90	82.08	0.18	.4	3.03	5	<5	25	<10	4.72	2	29	41	405	5.98	.12	2.34	1755
287495	1/2 Core	82.40	82.90	0.50	1.2	1.23	20	<5	23	<10	7.27	1	10	23	385	2.14	.28	.56	2165
287496	1/2 Core	82.90	83.85	0.95	.7	1.93	10	<5	478	<10	2.49	1	19	53	243	4.43	.09	1.74	889
287497	1/2 Core	83.85	84.90	1.05	.3	1.63	5	<5	131	<10	2.52	1	16	36	218	4.06	.07	1.52	694
287498	1/2 Core	84.90	85.12	0.22	.1	1.82	6	<5	25	<10	4.36	2	15	29	35	3.87	.13	1.24	1060
287499	1/2 Core	85.55	85.95	0.40	.2	1.16	21	<5	22	<10	8.90	1	9	30	158	2.21	.25	.55	2011
287500	1/2 Core	85.95	86.90	0.95	.1	1.74	14	<5	247	<10	2.39	1	17	56	200	4.30	.07	1.52	720
287501	1/2 Core	86.90	87.80	0.90	.1	1.59	7	<5	976	<10	3.01	<1	13	30	73	4.02	.06	1.31	727
287502	1/2 Core	87.80	88.16	0.36	.1	2.82	21	<5	307	<10	4.19	1	20	23	21	4.92	.18	1.78	1158
287503	1/2 Core	88.16	89.40	1.24	.1	2.06	8	<5	496	<10	2.98	1	22	38	509	4.45	.07	1.79	884
287504	1/2 Core	89.40	90.30	0.90	.1	3.22	22	<5	30	<10	5.27	2	31	48	182	6.10	.15	2.86	1777
287505	1/2 Core	90.30	91.20	0.90	.2	3.36	5	<5	117	<10	4.87	2	34	41	178	6.30	.12	3.00	1670
287506	1/2 Core	91.20	91.90	0.70	.1	2.30	6	<5	835	<10	3.63	1	24	54	180	5.08	.07	2.08	1186
287507	1/2 Core	standard 1: CDN-CGS-16			1.0	1.90	52	<5	130	<10	3.93	2	18	38	1016	4.95	.25	1.76	789
287508	1/2 Core	blank2			1.5	1.22	10	<5	23	<10	7.19	1	10	21	379	2.28	.28	.56	2115
287509	1/2 Core	91.90	92.65	0.75	.1	2.08	5	<5	308	<10	4.09	1	19	53	626	4.89	.07	2.04	1331
287510	1/2 Core	92.65	93.20	0.55	.2	2.40	6	<5	17	<10	3.76	2	20	27	144	5.48	.10	2.19	1247
287511	1/2 Core	93.20	94.24	1.04	.3	2.23	15	<5	19	<10	2.85	1	19	29	211	5.33	.09	2.14	1177
287512	1/2 Core	94.24	94.70	0.46	.2	3.55	5	<5	16	<10	4.41	2	25	27	227	7.65	.17	2.50	1652
287513	1/2 Core	94.70	95.90	1.20	1.9	1.32	8	<5	12	<10	3.81	1	202	39	4899	6.15	.12	.86	1137
287514	1/2 Core	95.90	96.30	0.40	.1	2.45	5	<5	21	<10	4.29	2	20	29	132	4.85	.17	1.77	1303
287515	1/2 Core	96.30	97.28	0.98	.2	1.62	6	<5	238	<10	2.79	1	19	26	85	4.05	.08	1.56	963
287516	1/2 Core	97.28	98.80	1.52	.1	2.01	5	<5	22	<10	3.20	1	18	24	320	4.59	.09	1.85	1285
287517	1/2 Core	98.80	100.32	1.52	.6	1.84	25	<5	27	<10	4.64	2	17	23	393	4.40	.12	1.40	1473
287518	1/2 Core	100.55	101.50	0.95	.1	2.21	24	<5	13	<10	4.48	1	20	17	390	4.34	.10	1.57	1413
287519	1/2 Core	101.50	102.75	1.25	.2	1.37	15	<5	27	<10	8.79	2	16	18	368	2.86	.16	.95	2130
287520	1/2 Core	102.75	103.36	0.61	.1	2.26	11	<5	21	<10	2.29	1	15	23	207	4.30	.05	1.94	1063
287521	1/2 Core	103.75	104.50	0.75	.1	1.45	15	<5	23	<10	1.23	<1	11	30	45	4.09	.07	1.40	654
287522	1/2 Core	104.50	105.50	1.00	.2	1.52	5	<5	30	<10	1.73	2	12	27	66	3.97	.06	1.36	760
287523	1/2 Core	105.50	106.40	0.90	.1	1.78	6	<5	27	<10	1.55	1	13	23	118	3.86	.07	1.62	795

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Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287524	1/2 Core	standard 1: CDN-CGS-16			1.0	1.93	51	<5	129	<10	4.02	3	18	39	1105	5.64	.26	1.85	827
287525	1/2 Core	blank2			.2	1.90	6	<5	43	<10	1.16	<1	7	38	72	2.60	.05	.40	182
287526	1/2 Core	106.40	107.15	0.75	.3	2.44	5	<5	30	<10	2.26	2	15	26	48	4.26	.06	2.10	1056
287527	1/2 Core	107.15	107.85	0.70	.1	2.16	32	<5	20	<10	3.10	1	17	25	88	4.31	.08	2.37	1117
287528	1/2 Core	107.85	108.45	0.60	.1	1.97	5	<5	227	<10	2.40	1	22	34	138	4.42	.12	2.13	922
287529	1/2 Core	108.45	109.00	0.55	.5	2.28	48	<5	19	<10	3.02	2	32	31	843	5.29	.10	2.51	1401
287530	1/2 Core	109.00	109.44	0.44	.1	2.47	25	<5	37	<10	2.27	1	47	40	255	4.66	.05	2.57	1441
287531	1/2 Core	109.55	110.45	0.90	.1	2.56	11	<5	13	<10	2.82	1	21	29	303	4.71	.08	2.73	1580
287532	1/2 Core	110.45	111.35	0.90	.2	2.37	5	<5	16	<10	3.28	<1	18	31	498	4.36	.10	2.57	1585
287533	1/2 Core	111.35	112.48	1.13	.1	2.47	48	<5	12	<10	2.96	1	21	32	426	4.33	.08	2.66	1620
287534	1/2 Core	112.48	113.00	0.52	.1	2.46	5	<5	25	<10	3.34	1	20	31	630	4.54	.10	2.53	1803
287535	1/2 Core	113.00	113.40	0.40	.2	2.92	6	<5	15	<10	3.36	2	25	29	1007	5.20	.09	3.07	2055
287536	1/2 Core	113.40	114.00	0.60	11.2	1.52	5	<5	11	<10	2.27	20	225	38	18100	19.35	.23	.97	850
287537	1/2 Core	114.00	114.35	0.35	3.5	1.15	41	<5	21	<10	10.73	3	13	23	1754	2.66	.40	.57	2340
287538	1/2 Core	114.35	114.65	0.30	4.2	.49	111	<5	198	<10	27.11	5	6	16	1025	1.48	.22	.34	7334
287539	1/2 Core	114.65	115.40	0.75	2.8	2.62	18	<5	25	<10	6.42	3	23	19	1425	5.23	.27	2.05	1877
287540	1/2 Core	115.40	115.52	0.12	.1	2.16	5	<5	72	<10	5.50	1	18	20	99	4.61	.18	2.06	1258
287541	1/2 Core	standard 2: CDN-CGS-18			3.0	2.13	57	<5	97	<10	.71	2	12	58	3160	5.03	.20	1.10	742
287542	1/2 Core	blank2			.2	1.98	5	<5	48	<10	1.25	<1	5	45	58	2.01	.07	.38	154
287543	1/2 Core	116.00	116.80	0.80	.1	2.41	39	<5	42	<10	3.57	1	17	23	139	4.75	.10	2.76	1240
287544	1/2 Core	116.80	117.50	0.70	.1	2.28	5	<5	45	<10	4.75	2	15	25	97	4.25	.15	2.37	1557
287545	1/2 Core	117.50	118.30	0.80	.3	2.38	6	<5	101	<10	2.95	1	16	22	151	4.64	.10	2.72	1197
287546	1/2 Core	118.30	118.56	0.26	.1	2.46	39	<5	37	<10	3.50	2	15	23	254	4.90	.13	2.48	1207
287547	1/2 Core	118.95	119.65	0.70	.2	2.25	5	<5	21	<10	6.66	1	17	27	588	4.54	.17	2.12	1682
287548	1/2 Core	119.65	120.35	0.70	.1	1.38	6	<5	72	<10	7.21	1	10	22	148	2.73	.33	.93	1547
287549	1/2 Core	120.35	121.00	0.65	.1	1.92	39	<5	20	<10	6.98	2	17	14	568	4.06	.28	1.38	1894
287550	1/2 Core	121.00	121.60	0.60	.2	1.07	5	<5	781	<10	8.80	4	10	25	170	2.18	.27	.76	2173
287551	1/2 Core	121.75	122.60	0.85	.1	2.40	34	<5	1746	<10	8.73	2	20	31	168	5.16	.33	1.88	2208
287552	1/2 Core	122.60	123.60	1.00	6.4	1.50	48	<5	24	<10	5.08	10	26	29	2355	4.12	.53	.83	1322
287553	1/2 Core	123.60	124.40	0.80	.7	1.14	17	<5	53	<10	6.51	2	13	32	304	2.96	.55	.71	1832

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Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287554	1/2 Core	124.40	124.64	0.24	.8	1.13	11	<5	859	<10	9.49	1	12	16	370	2.89	.42	.75	2455
287555	1/2 Core	125.14	126.00	0.86	.2	.76	5	<5	199	<10	7.53	1	9	23	142	2.25	.47	.42	1850
287556	1/2 Core	126.00	126.90	0.90	1.8	1.05	21	<5	116	<10	8.45	2	13	26	302	3.43	.46	.69	2180
287557	1/2 Core	126.90	127.68	0.78	.2	.58	11	<5	384	<10	8.26	1	8	19	132	1.84	.45	.44	2092
287558	1/2 Core	standard 1: CDN-CGS-16			1.0	1.98	65	<5	133	<10	4.49	4	19	37	1090	5.10	.39	1.90	839
287559	1/2 Core	blank2			.1	1.83	13	<5	34	<10	1.47	<1	5	29	35	1.77	.12	.44	265
287560	1/2 Core	127.90	128.90	1.00	.1	1.73	14	<5	143	<10	4.57	1	19	27	227	5.07	.28	1.48	1242
287561	1/2 Core	128.90	129.65	0.75	.7	2.12	29	<5	41	<10	5.18	2	37	26	3280	4.90	.27	2.38	1965
287562	1/2 Core	129.65	130.62	0.97	.1	2.22	27	<5	39	<10	6.55	1	29	30	1141	4.09	.25	2.49	2093
287563	1/2 Core	130.62	130.72	0.10	.4	1.79	21	<5	20	<10	5.18	2	55	23	2794	4.25	.22	2.35	1812
287564	1/2 Core	130.90	131.30	0.40	2.7	.85	67	<5	16	<10	4.35	6	425	43	6090	12.42	.17	1.56	1268
287565	1/2 Core	131.30	132.56	1.26	.4	1.89	5	<5	141	<10	5.04	2	58	29	995	5.21	.25	1.98	1571
287566	1/2 Core	132.56	133.46	0.90	.1	1.16	6	<5	748	<10	6.17	1	21	21	630	3.68	.33	1.24	1969
287567	1/2 Core	133.46	133.76	0.30	2.5	1.04	19	<5	66	<10	7.04	1	98	22	3214	5.06	.27	1.16	1979
287568	1/2 Core	134.30	134.85	0.55	.1	.76	32	<5	21	<10	4.96	2	24	26	116	3.95	.35	.75	1475
287569	1/2 Core	134.85	135.50	0.65	.7	.36	15	<5	69	<10	5.02	1	54	23	965	3.33	.18	1.49	1700
287570	1/2 Core	135.50	136.80	1.30	.5	.56	11	<5	629	<10	3.69	1	15	14	736	2.35	.22	1.07	1362
287571	1/2 Core	136.80	137.50	0.70	.1	.51	6	<5	644	<10	5.13	2	14	15	240	2.61	.20	1.70	1360
287572	1/2 Core	137.50	138.15	0.65	.2	.52	15	<5	614	<10	5.16	1	16	14	265	3.23	.17	2.48	1314
287573	1/2 Core	138.15	138.80	0.65	.1	.48	8	<5	31	<10	4.54	1	13	26	683	2.97	.15	1.71	1304
287574	1/2 Core	138.80	139.50	0.70	.1	.90	12	<5	24	<10	4.61	2	15	29	138	3.71	.13	1.58	1211
287575	1/2 Core	standard 2: CDN-CGS-18			3.2	2.06	62	<5	93	<10	.72	3	14	62	3120	4.95	.14	1.01	733
287576	1/2 Core	blank2			.1	2.33	5	<5	77	<10	1.44	1	8	47	60	3.06	.07	.52	221
287577	1/2 Core	139.50	139.84	0.34	.1	.66	34	<5	21	<10	4.66	1	12	19	193	3.37	.18	1.60	1161
287578	1/2 Core	139.84	140.40	0.56	.2	.63	21	<5	19	<10	4.62	2	12	23	314	3.09	.15	1.76	1114
287579	1/2 Core	140.40	141.58	1.18	.1	1.43	12	<5	33	<10	4.95	1	15	26	113	2.93	.11	1.42	1092
287580	1/2 Core	141.58	142.28	0.70	.3	.76	6	<5	38	<10	5.17	1	13	18	343	2.86	.20	2.10	1488
287581	1/2 Core	142.28	142.88	0.60	.1	1.39	9	<5	18	<10	4.30	2	19	30	472	4.11	.10	1.82	1440
287582	1/2 Core	143.03	144.10	1.07	.2	1.87	16	<5	19	<10	2.91	1	20	33	350	3.58	.08	2.41	1066
287583	1/2 Core	144.10	145.00	0.90	.1	1.99	14	<5	18	<10	2.85	2	17	31	139	4.62	.09	2.56	1169

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Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287584	1/2 Core	145.00	145.92	0.92	.1	2.17	23	<5	23	<10	3.34	1	16	32	77	4.29	.08	2.42	1185
287585	1/2 Core	145.92	147.10	1.18	.2	1.79	7	<5	15	<10	3.06	1	19	33	76	4.42	.09	2.04	1001
287586	1/2 Core	147.10	148.00	0.90	.1	1.04	6	<5	17	<10	2.90	2	18	48	237	4.27	.06	1.51	744
287587	1/2 Core	148.00	148.96	0.96	.1	1.20	29	<5	19	<10	2.75	1	15	32	109	3.56	.04	1.76	716
287588	1/2 Core	148.96	149.65	0.69	.2	1.44	27	<5	18	<10	3.64	2	13	28	146	3.08	.06	2.05	963
287589	1/2 Core	149.65	150.60	0.95	.1	1.50	6	<5	16	<10	3.92	1	16	25	165	3.89	.08	2.00	1181
287590	1/2 Core	150.60	151.40	0.80	.1	1.32	31	<5	17	<10	3.58	2	17	40	39	3.74	.10	1.49	878
287591	1/2 Core	151.40	151.85	0.45	.2	.52	16	<5	19	<10	4.84	1	13	29	112	3.32	.09	1.93	1371
287592	1/2 Core	standard 1: CDN-CGS-16			1.0	1.94	65	<5	132	<10	4.10	2	19	39	1021	5.08	.29	1.80	833
287593	1/2 Core	blank2			.1	2.73	5	<5	54	<10	1.53	<1	6	65	51	2.45	.06	.46	175
287594	1/2 Core	151.85	152	0.15	.1	.62	20	<5	19	<10	5.02	2	12	22	43	3.33	.12	2.22	1352
287595	1/2 Core	152.40	153.90	1.50	.2	1.60	19	<5	18	<10	3.70	1	19	33	125	4.35	.07	1.79	1130
287596	1/2 Core	153.90	154.70	0.80	.1	1.35	5	<5	293	<10	4.63	2	30	29	285	4.01	.11	2.11	1521
287597	1/2 Core	154.70	155.04	0.34	.1	.46	6	<5	901	<10	4.49	1	17	22	489	4.02	.12	1.39	1713
287598	1/2 Core	156.10	157.40	1.30	.2	1.04	5	<5	39	<10	5.38	2	18	25	625	4.22	.17	1.32	1760
287599	1/2 Core	157.40	158.08	0.68	3.4	.34	43	<5	375	<10	7.11	4	14	15	732	3.15	.25	.56	2286
287600	1/2 Core	158.50	159.60	1.10	10.7	.37	42	<5	855	<10	6.94	5	9	22	533	2.03	.29	.30	1657
287601	1/2 Core	159.60	160.30	0.70	5.9	.28	107	<5	39	<10	7.59	4	7	32	1100	1.47	.20	.35	2037
287602	1/2 Core	160.30	161.12	0.82	.5	.38	17	<5	955	<10	5.59	1	11	37	229	3.01	.24	.78	2036
287603	1/2 Core	161.12	161.70	0.58	.1	.37	5	<5	56	<10	3.98	3	22	35	95	5.43	.19	1.20	2665
287604	1/2 Core	161.70	162.15	0.45	.6	.38	21	<5	833	<10	5.40	2	15	32	1123	3.70	.17	1.40	2118
287605	1/2 Core	162.15	163.00	0.85	2.2	.52	5	<5	111	<10	4.83	3	13	36	1522	3.19	.20	.37	1808
287606	1/2 Core	163.00	164.16	1.16	3.9	.51	37	<5	411	<10	4.78	4	15	29	702	3.64	.21	.68	2340
287607	1/2 Core	164.16	165.00	0.84	1.6	.52	10	<5	271	<10	5.22	2	12	30	385	2.80	.20	.37	1880
287608	1/2 Core	165.00	166.00	1.00	1.5	.46	43	<5	687	<10	4.41	3	11	29	553	2.86	.22	1.09	2126
287609	1/2 Core	standard 1: CDN-CGS-16			1.1	1.99	52	<5	129	<10	4.20	2	21	38	1053	5.68	.30	1.90	856
287610	1/2 Core	blank2			.1	2.73	12	<5	74	<10	1.53	1	6	48	38	2.46	.07	.48	209
287611	1/2 Core	166.00	167.17	1.17	.1	1.42	25	<5	32	<10	2.65	2	18	40	251	4.97	.12	1.40	1699
287612	1/2 Core	167.17	167.20	0.03	.5	1.76	33	<5	43	<10	2.97	3	17	39	397	4.79	.13	1.76	1916
287613	1/2 Core	167.95	168.80	0.85	.3	1.82	8	<5	44	<10	3.00	4	18	40	157	5.06	.12	1.83	2148

09-SND-12																			
Sample	Core	From	To	Interval	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn
No.		metres	metres	metres	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm
287614	1/2 Core	168.80	169.60	0.80	.1	1.74	6	<5	34	<10	2.45	2	17	47	63	5.09	.13	1.80	1748
287615	1/2 Core	169.60	170.24	0.64	.1	1.83	8	<5	73	<10	2.49	3	18	46	47	5.01	.17	1.74	1916

09-SND-12

Pioneer Laboratories Inc. Report Numbers: 2092438 (Samples: 287407-287615)

09-SND-12																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287407	1/2 Core	9.12	10.40	1.28	1	.04	9	.11	7	.01	<2	<2	334	<5	.03	<5	129	39	2
287408	1/2 Core	10.40	11.30	0.90	2	.03	10	.10	8	.02	<2	<2	187	7	.04	<5	140	51	1
287409	1/2 Core	11.30	12.16	0.86	1	.04	11	.11	9	.01	3	<2	349	8	.02	<5	137	55	28
287410	1/2 Core	12.16	12.66	0.50	1	.03	14	.12	3	.01	<2	<2	108	6	.01	<5	150	51	2
287411	1/2 Core	12.66	13.44	0.78	2	.05	9	.11	4	.02	<2	<2	465	5	.03	<5	139	38	1
287412	1/2 Core	13.44	14.60	1.16	1	.04	10	.12	6	.01	<2	<2	576	7	.02	<5	132	37	2
287413	1/2 Core	14.60	15.20	0.60	1	.05	11	.11	11	.01	<2	<2	525	6	.04	<5	134	43	5
287414	1/2 Core	15.80	16.90	1.10	2	.04	14	.10	10	.02	3	<2	178	<5	.03	<5	140	62	2
287415	1/2 Core	16.90	17.44	0.54	1	.03	15	.11	8	.19	4	<2	466	5	.02	<5	137	45	10
287416	1/2 Core	17.44	18.24	0.80	2	.05	9	.13	7	.01	2	<2	385	6	.01	<5	145	51	2
287417	1/2 Core	18.24	18.90	0.66	1	.04	10	.12	6	.02	<2	<2	164	<5	.02	<5	144	44	20
287418	1/2 Core	18.90	19.35	0.45	2	.03	11	.11	7	.04	5	<2	165	<5	.01	<5	121	32	3
287419	1/2 Core	19.35	19.93	0.58	1	.04	10	.14	6	.02	2	<2	600	<5	.02	<5	134	45	4
287420	1/2 Core	19.93	20.50	0.57	2	.05	11	.13	7	.01	<2	<2	680	5	.01	<5	144	39	10
287421	1/2 Core	20.50	21.28	0.78	1	.04	15	.12	3	.01	4	<2	111	6	.03	<5	137	48	3
287422	1/2 Core	standard 1: CDN-CGS-16			12	.09	22	.17	20	1.30	3	<2	120	12	.02	<5	130	117	130
287423	1/2 Core	blank2			2	.08	1	.07	4	.01	<2	<2	19	<5	.03	<5	39	22	30
287424	1/2 Core	21.28	22.28	1.00	1	.04	15	.14	8	.01	<2	<2	79	<5	.02	<5	162	53	15
287425	1/2 Core	22.28	23.38	1.10	1	.03	11	.13	6	.02	2	<2	94	<5	.01	<5	127	41	9
287426	1/2 Core	23.38	24.32	0.94	1	.04	10	.14	4	.03	<2	<2	88	<5	.02	<5	139	28	16
287427	1/2 Core	24.32	25.44	1.12	2	.03	12	.15	6	.04	<2	<2	266	<5	.01	<5	145	33	24
287428	1/2 Core	25.44	26.56	1.12	1	.04	9	.16	7	.03	2	<2	278	<5	.01	<5	131	29	15
287429	1/2 Core	26.56	27.36	0.80	2	.03	10	.15	3	.02	<2	<2	112	<5	.02	<5	139	26	3
287430	1/2 Core	27.36	28.36	1.00	1	.04	8	.14	7	.01	4	<2	185	<5	.01	<5	134	35	4
287431	1/2 Core	28.36	29.55	1.19	1	.03	9	.16	3	.04	<2	<2	61	<5	.02	<5	139	36	5
287432	1/2 Core	29.55	30.40	0.85	2	.04	10	.15	2	.07	<2	<2	52	<5	.01	<5	152	47	6
287433	1/2 Core	30.40	31.50	1.10	1	.03	8	.14	6	.02	<2	<2	42	<5	.02	<5	142	30	45

09-SND-12																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287434	1/2 Core	31.50	32.40	0.90	1	.02	9	.15	2	.05	3	<2	63	<5	.01	<5	114	36	60
287435	1/2 Core	32.40	33.40	1.00	2	.01	17	.12	3	.04	<2	<2	44	<5	.03	<5	98	141	21
287436	1/2 Core	33.40	33.44	0.04	1	.03	18	.14	7	.05	<2	<2	41	<5	.02	<5	145	127	6
287437	1/2 Core	35.10	36.48	1.38	2	.02	14	.13	4	.33	<2	<2	42	<5	.01	<5	113	103	4
287438	1/2 Core	36.59	37.30	0.71	1	.03	17	.14	6	.25	2	<2	36	<5	.05	<5	96	99	1
287439	1/2 Core	standard 1: CDN-CGS-16			13	.10	20	.18	20	1.26	3	<2	106	10	.02	<5	135	115	140
287440	1/2 Core	blank2			1	.17	3	.08	2	.01	<2	<2	41	<5	.04	<5	153	22	3
287441	1/2 Core	37.30	38.25	0.95	1	.04	11	.15	6	.12	<2	<2	37	<5	.05	<5	144	53	2
287442	1/2 Core	38.25	39.52	1.27	2	.03	13	.16	8	.08	2	<2	49	<5	.04	<5	107	51	1
287443	1/2 Core	39.52	41.32	1.80	2	.04	12	.13	4	.03	<2	<2	52	<5	.08	<5	138	46	2
287444	1/2 Core	41.32	42.36	1.04	1	.03	14	.11	48	.81	<2	<2	116	<5	.07	<5	132	71	4
287445	1/2 Core	42.36	42.56	0.20	2	.05	9	.13	6	.20	<2	<2	61	<5	.09	<5	135	38	10
287446	1/2 Core	43.46	44.56	1.10	1	.04	10	.15	8	.12	<2	<2	52	<5	.08	<5	157	37	4
287447	1/2 Core	44.56	45.60	1.04	2	.05	12	.14	4	.10	<2	<2	66	<5	.09	<5	156	69	3
287448	1/2 Core	45.60	48.64	3.04	1	.04	13	.13	5	.04	<2	<2	61	<5	.07	<5	144	61	6
287449	1/2 Core	48.64	49.64	1.00	2	.06	12	.16	6	.17	<2	<2	99	<5	.06	<5	147	72	8
287450	1/2 Core	49.64	50.64	1.00	1	.07	13	.11	2	.03	<2	<2	76	<5	.08	<5	145	31	4
287451	1/2 Core	50.64	51.68	1.04	1	.06	16	.07	5	.08	<2	<2	174	<5	.05	<5	146	37	125
287452	1/2 Core	51.68	52.68	1.00	2	.05	14	.10	10	.01	<2	<2	65	<5	.08	<5	153	58	20
287453	1/2 Core	52.68	53.50	0.82	1	.06	13	.11	6	.02	<2	<2	61	<5	.07	<5	149	42	9
287454	1/2 Core	53.50	54.22	0.72	2	.05	24	.10	10	.04	<2	<2	68	<5	.10	<5	166	72	2
287455	1/2 Core	54.22	54.72	0.50	1	.06	13	.11	2	.05	2	<2	70	<5	.07	<5	134	32	11
287456	1/2 Core	standard 1: CDN-CGS-16			13	.11	21	.16	18	1.32	3	<2	132	12	.03	<5	132	115	130
287457	1/2 Core	blank2			1	.04	4	.07	2	.05	<2	<2	51	<5	.09	<5	110	20	15
287458	1/2 Core	55.22	55.92	0.70	2	.06	13	.12	5	.28	<2	<2	68	<5	.08	<5	135	28	4
287459	1/2 Core	55.92	56.65	0.73	1	.05	15	.11	7	.23	<2	<2	59	<5	.10	<5	130	52	1
287460	1/2 Core	56.65	57.30	0.65	1	.06	10	.12	2	.77	<2	<2	48	<5	.07	5	73	24	1
287461	1/2 Core	57.30	57.76	0.46	2	.05	12	.11	6	.03	<2	<2	56	<5	.06	<5	132	27	50
287462	1/2 Core	58.45	59.20	0.75	1	.06	16	.12	4	.04	<2	<2	66	<5	.07	<5	133	41	7
287463	1/2 Core	59.20	60.25	1.05	2	.07	13	.13	5	.03	2	<2	54	<5	.08	<5	142	26	45

09-SND-12																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287464	1/2 Core	60.25	60.45	0.20	1	.09	33	.04	6	.44	<2	<2	77	<5	.06	<5	182	66	21
287465	1/2 Core	60.45	60.80	0.35	1	.05	13	.14	4	.02	<2	<2	70	<5	.09	<5	151	49	7
287466	1/2 Core	61.45	62.50	1.05	2	.06	12	.13	2	.01	2	<2	54	<5	.10	<5	158	42	3
287467	1/2 Core	62.50	62.85	0.35	1	.05	14	.14	5	.03	<2	<2	54	<5	.09	<5	156	55	20
287468	1/2 Core	62.85	63.30	0.45	9	.04	15	.11	6	.23	<2	<2	187	<5	.07	<5	117	74	18
287469	1/2 Core	63.30	63.84	0.54	1	.07	11	.12	7	.06	<2	<2	71	<5	.09	<5	166	32	7
287470	1/2 Core	64.20	65.10	0.90	2	.06	12	.14	3	.08	<2	<2	52	<5	.10	<5	153	26	6
287471	1/2 Core	65.10	66.30	1.20	1	.08	10	.15	4	.02	<2	<2	79	<5	.08	<5	154	30	12
287472	1/2 Core	66.30	66.88	0.58	2	.09	19	.10	10	.24	1	<2	93	<5	.11	<5	177	50	10
287473	1/2 Core	standard 1: CDN-CGS-16			15	.11	24	.17	19	1.35	2	<2	130	<5	.03	<5	131	112	130
287474	1/2 Core	blank2			2	.09	5	.07	2	.05	<2	<2	57	<5	.10	<5	129	22	25
287475	1/2 Core	67.10	68.10	1.00	1	.08	14	.11	6	.04	<2	<2	83	<5	.12	<5	162	35	2
287476	1/2 Core	68.10	69.00	0.90	2	.07	10	.13	7	.03	<2	<2	67	<5	.11	<5	173	34	3
287477	1/2 Core	69.00	69.65	0.65	1	.06	11	.15	5	.01	<2	<2	82	<5	.09	<5	146	42	1
287478	1/2 Core	69.65	69.92	0.27	2	.07	14	.14	8	.08	<2	<2	134	<5	.12	<5	162	51	12
287479	1/2 Core	70.30	70.90	0.60	2	.06	12	.16	12	.17	3	<2	87	<5	.11	<5	148	46	1
287480	1/2 Core	70.90	71.96	1.06	1	.10	9	.15	6	.12	<2	<2	83	<5	.08	<5	139	27	4
287481	1/2 Core	71.96	72.96	1.00	2	.06	10	.16	7	.11	6	<2	81	<5	.07	<5	138	35	1
287482	1/2 Core	72.96	73.80	0.84	1	.07	11	.15	17	.04	<2	<2	74	<5	.06	<5	148	48	2
287483	1/2 Core	73.80	74.50	0.70	2	.04	10	.10	10	.12	7	<2	132	<5	.01	<5	64	91	10
287484	1/2 Core	74.50	75.25	0.75	1	.05	29	.05	4	.06	2	<2	73	<5	.01	<5	223	112	20
287485	1/2 Core	75.25	76.00	0.75	1	.04	34	.03	12	.05	1	<2	60	<5	.02	<5	212	123	2
287486	1/2 Core	76.00	76.90	0.90	2	.02	31	.04	11	.15	2	<2	59	<5	.01	<5	146	155	1
287487	1/2 Core	76.90	77.60	0.70	1	.03	45	.07	8	.04	<2	<2	53	<5	.01	<5	174	155	2
287488	1/2 Core	77.60	78.80	1.20	2	.02	6	.03	9	.03	6	<2	83	<5	.02	<5	36	66	1
287489	1/2 Core	78.80	79.04	0.24	1	.04	12	.17	17	.31	17	<2	72	<5	.01	<5	45	181	1
287490	1/2 Core	standard 1: CDN-CGS-16			11	.10	24	.18	18	1.24	6	<2	120	<5	.02	<5	129	118	140
287491	1/2 Core	blank2			2	.05	6	.08	3	.05	3	<2	33	<5	.10	<5	148	22	1
287492	1/2 Core	80.00	80.85	0.85	1	.04	19	.16	8	.33	<2	<2	49	<5	.01	<5	119	124	2
287493	1/2 Core	80.85	81.90	1.05	2	.03	13	.17	9	.27	3	<2	77	<5	.01	<5	70	112	3

09-SND-12																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287494	1/2 Core	81.90	82.08	0.18	1	.04	41	.05	7	.04	<2	<2	49	<5	.02	<5	164	176	1
287495	1/2 Core	82.40	82.90	0.50	2	.03	11	.13	11	.06	13	<2	76	<5	.01	<5	52	123	2
287496	1/2 Core	82.90	83.85	0.95	1	.07	27	.05	6	.02	<2	<2	44	<5	.06	<5	162	79	3
287497	1/2 Core	83.85	84.90	1.05	2	.05	15	.16	7	.07	<2	<2	49	<5	.04	<5	165	43	25
287498	1/2 Core	84.90	85.12	0.22	1	.06	13	.15	11	.02	<2	<2	83	<5	.01	<5	142	57	2
287499	1/2 Core	85.55	85.95	0.40	2	.03	12	.12	8	.03	6	<2	90	<5	.01	<5	67	79	6
287500	1/2 Core	85.95	86.90	0.95	1	.09	25	.06	5	.02	3	<2	50	<5	.05	<5	180	45	3
287501	1/2 Core	86.90	87.80	0.90	2	.06	15	.16	7	.01	<2	<2	61	<5	.04	<5	165	33	1
287502	1/2 Core	87.80	88.16	0.36	1	.05	14	.15	12	.02	<2	<2	75	<5	.01	<5	113	169	2
287503	1/2 Core	88.16	89.40	1.24	1	.09	25	.08	4	.06	5	<2	63	<5	.03	<5	173	64	4
287504	1/2 Core	89.40	90.30	0.90	2	.04	43	.05	20	.02	2	<2	70	<5	.01	<5	184	206	10
287505	1/2 Core	90.30	91.20	0.90	1	.05	47	.06	16	.03	<2	<2	72	<5	.01	<5	173	198	1
287506	1/2 Core	91.20	91.90	0.70	2	.09	34	.04	9	.02	<2	<2	60	<5	.04	<5	194	95	2
287507	1/2 Core	standard 1: CDN-CGS-16			11	.10	24	.18	20	1.24	7	<2	115	<5	.02	<5	136	120	130
287508	1/2 Core	blank2			1	.03	13	.12	13	.06	12	<2	78	<5	.01	<5	54	123	1
287509	1/2 Core	91.90	92.65	0.75	2	.05	29	.04	11	.05	<2	<2	57	<5	.09	<5	181	98	2
287510	1/2 Core	92.65	93.20	0.55	1	.04	24	.11	4	.01	2	<2	50	<5	.03	<5	180	120	1
287511	1/2 Core	93.20	94.24	1.04	3	.05	18	.12	9	.02	<2	<2	39	<5	.05	<5	175	100	2
287512	1/2 Core	94.24	94.70	0.46	1	.04	19	.12	7	.12	<2	<2	54	<5	.01	<5	157	246	1
287513	1/2 Core	94.70	95.90	1.20	4	.03	29	.09	30	3.91	<2	<2	35	8	.02	<5	51	91	1
287514	1/2 Core	95.90	96.30	0.40	1	.04	20	.12	8	.08	2	<2	90	<5	.01	<5	119	113	3
287515	1/2 Core	96.30	97.28	0.98	1	.05	16	.13	9	.30	<2	<2	48	<5	.02	<5	141	62	2
287516	1/2 Core	97.28	98.80	1.52	2	.04	19	.12	4	.03	<2	<2	47	<5	.01	<5	145	94	3
287517	1/2 Core	98.80	100.32	1.52	1	.03	16	.11	12	.14	5	<2	45	<5	.01	<5	109	144	2
287518	1/2 Core	100.55	101.50	0.95	2	.04	19	.10	11	.11	<2	<2	83	<5	.02	<5	87	190	8
287519	1/2 Core	101.50	102.75	1.25	1	.03	13	.09	9	.12	9	<2	122	<5	.01	<5	68	133	2
287520	1/2 Core	102.75	103.36	0.61	1	.05	16	.11	13	.02	<2	<2	66	<5	.04	<5	128	78	3
287521	1/2 Core	103.75	104.50	0.75	2	.04	14	.12	5	.01	<2	<2	39	<5	.05	<5	132	50	10
287522	1/2 Core	104.50	105.50	1.00	1	.05	12	.13	7	.01	<2	<2	41	<5	.06	<5	138	48	8
287523	1/2 Core	105.50	106.40	0.90	2	.04	14	.12	8	.02	3	<2	35	<5	.05	<5	129	62	23

09-SND-12																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287524	1/2 Core	standard 1: CDN-CGS-16			11	.09	26	.15	18	1.27	4	<2	119	10	.02	<5	125	120	135
287525	1/2 Core	blank2			1	.13	7	.05	4	.03	<2	<2	29	<5	.05	<5	142	27	2
287526	1/2 Core	106.40	107.15	0.75	2	.04	19	.13	8	.01	2	<2	48	<5	.06	<5	132	92	47
287527	1/2 Core	107.15	107.85	0.70	1	.03	14	.12	17	.06	3	<2	45	<5	.05	<5	130	99	20
287528	1/2 Core	107.85	108.45	0.60	2	.04	14	.13	12	.41	2	<2	35	<5	.06	<5	135	80	3
287529	1/2 Core	108.45	109.00	0.55	1	.03	15	.12	20	.89	3	<2	31	<5	.05	<5	129	163	14
287530	1/2 Core	109.00	109.44	0.44	2	.02	16	.11	23	.86	<2	<2	50	<5	.03	<5	85	165	10
287531	1/2 Core	109.55	110.45	0.90	1	.03	14	.13	12	.07	<2	<2	32	<5	.02	<5	118	179	2
287532	1/2 Core	110.45	111.35	0.90	1	.02	15	.12	9	.06	<2	<2	36	<5	.03	<5	117	169	1
287533	1/2 Core	111.35	112.48	1.13	2	.03	16	.14	8	.05	4	<2	29	<5	.02	<5	111	166	2
287534	1/2 Core	112.48	113.00	0.52	1	.02	15	.13	6	.12	3	<2	32	<5	.01	<5	113	202	1
287535	1/2 Core	113.00	113.40	0.40	2	.03	18	.12	2	.14	4	<2	28	7	.01	<5	143	236	1
287536	1/2 Core	113.40	114.00	0.60	1	.02	20	.06	107	>10	<2	<2	37	9	.02	<5	20	1342	7
287537	1/2 Core	114.00	114.35	0.35	3	.01	10	.07	12	.31	70	<2	83	<5	.01	<5	34	211	6
287538	1/2 Core	114.35	114.65	0.30	1	.02	3	.02	14	.28	178	<2	179	<5	.01	6	24	160	21
287539	1/2 Core	114.65	115.40	0.75	2	.03	12	.10	15	.36	54	<2	59	<5	.02	<5	96	253	1
287540	1/2 Core	115.40	115.52	0.12	1	.04	11	.13	5	.01	5	<2	56	<5	.01	<5	136	93	2
287541	1/2 Core	standard 2: CDN-CGS-18			36	.06	125	.07	105	.75	3	<2	32	8	.08	<5	60	367	290
287542	1/2 Core	blank2			1	.16	3	.05	2	.01	<2	<2	69	<5	.04	<5	185	22	3
287543	1/2 Core	116.00	116.80	0.80	2	.04	10	.12	6	.01	<2	<2	47	<5	.03	<5	157	78	2
287544	1/2 Core	116.80	117.50	0.70	1	.03	7	.11	2	.05	3	<2	56	<5	.01	<5	125	113	6
287545	1/2 Core	117.50	118.30	0.80	2	.04	8	.12	5	.02	5	<2	45	<5	.02	<5	154	78	2
287546	1/2 Core	118.30	118.56	0.26	1	.05	9	.11	2	.05	<2	<2	51	<5	.01	<5	158	89	9
287547	1/2 Core	118.95	119.65	0.70	2	.03	17	.15	5	.06	<2	<2	72	<5	.01	<5	130	110	8
287548	1/2 Core	119.65	120.35	0.70	1	.02	8	.12	6	.05	4	<2	99	<5	.02	<5	60	86	17
287549	1/2 Core	120.35	121.00	0.65	2	.03	9	.13	3	.21	<2	<2	86	<5	.01	<5	61	141	10
287550	1/2 Core	121.00	121.60	0.60	1	.02	7	.10	6	.03	18	<2	105	<5	.02	<5	41	93	7
287551	1/2 Core	121.75	122.60	0.85	1	.04	15	.14	8	.06	<2	<2	99	<5	.01	<5	121	119	2
287552	1/2 Core	122.60	123.60	1.00	4	.03	12	.15	14	.66	51	<2	76	<5	.01	<5	72	148	52
287553	1/2 Core	123.60	124.40	0.80	2	.02	8	.13	8	.03	3	<2	78	<5	.02	<5	49	90	90

09-SND-12																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287554	1/2 Core	124.40	124.64	0.24	1	.03	9	.12	3	.04	<2	<2	96	<5	.01	<5	58	97	3
287555	1/2 Core	125.14	126.00	0.86	2	.02	6	.16	5	.10	6	<2	86	<5	.01	<5	45	88	29
287556	1/2 Core	126.00	126.90	0.90	1	.03	11	.15	3	.03	15	<2	98	<5	.02	<5	83	83	12
287557	1/2 Core	126.90	127.68	0.78	1	.02	4	.16	7	.06	8	<2	95	<5	.01	<5	44	98	46
287558	1/2 Core	standard 1: CDN-CGS-16			13	.11	25	.17	23	1.36	5	<2	117	12	.03	<5	130	116	135
287559	1/2 Core	blank2			1	.19	2	.06	7	.01	<2	<2	46	<5	.06	<5	127	23	20
287560	1/2 Core	127.90	128.90	1.00	1	.05	13	.16	8	.09	<2	<2	66	<5	.01	<5	140	78	7
287561	1/2 Core	128.90	129.65	0.75	2	.03	17	.15	12	.79	<2	<2	61	<5	.01	<5	96	158	6
287562	1/2 Core	129.65	130.62	0.97	1	.02	15	.14	8	.14	<2	<2	66	<5	.02	<5	92	148	1
287563	1/2 Core	130.62	130.72	0.10	2	.03	20	.15	9	.92	3	<2	60	<5	.01	<5	95	128	2
287564	1/2 Core	130.90	131.30	0.40	13	.02	22	.11	14	>10	2	<2	50	<5	.01	<5	68	56	1
287565	1/2 Core	131.30	132.56	1.26	2	.04	17	.15	9	1.16	<2	<2	54	<5	.02	<5	127	125	3
287566	1/2 Core	132.56	133.46	0.90	1	.03	13	.14	7	.22	4	<2	71	<5	.01	<5	79	114	1
287567	1/2 Core	133.46	133.76	0.30	1	.02	17	.12	20	2.37	3	<2	73	<5	.01	<5	68	109	3
287568	1/2 Core	134.30	134.85	0.55	2	.04	14	.15	12	.09	6	<2	86	<5	.02	<5	97	104	4
287569	1/2 Core	134.85	135.50	0.65	3	.03	12	.12	7	1.17	16	<2	92	<5	.01	<5	34	90	10
287570	1/2 Core	135.50	136.80	1.30	2	.05	10	.11	8	.22	19	<2	135	<5	.01	<5	44	85	1
287571	1/2 Core	136.80	137.50	0.70	1	.06	12	.10	11	.13	5	<2	171	<5	.02	<5	45	61	2
287572	1/2 Core	137.50	138.15	0.65	2	.05	15	.09	3	.09	<2	<2	146	<5	.01	<5	66	64	61
287573	1/2 Core	138.15	138.80	0.65	1	.04	17	.12	8	.06	<2	<2	125	<5	.02	<5	81	52	10
287574	1/2 Core	138.80	139.50	0.70	1	.06	24	.13	7	.02	<2	<2	112	<5	.01	<5	124	76	6
287575	1/2 Core	standard 2: CDN-CGS-18			42	.07	120	.08	107	.81	4	<2	30	10	.08	<5	62	348	295
287576	1/2 Core	blank2			2	.21	3	.07	4	.01	<2	<2	67	<5	.07	<5	160	19	20
287577	1/2 Core	139.50	139.84	0.34	1	.06	14	.13	13	.02	3	<2	133	<5	.01	<5	84	58	6
287578	1/2 Core	139.84	140.40	0.56	2	.05	15	.12	7	.03	<2	<2	105	<5	.01	<5	96	61	2
287579	1/2 Core	140.40	141.58	1.18	1	.04	22	.13	8	.02	<2	<2	84	<5	.02	<5	97	85	3
287580	1/2 Core	141.58	142.28	0.70	2	.05	15	.11	10	.05	4	<2	121	<5	.01	<5	52	109	12
287581	1/2 Core	142.28	142.88	0.60	1	.04	24	.12	6	.06	<2	<2	87	<5	.01	<5	103	119	54
287582	1/2 Core	143.03	144.10	1.07	1	.05	22	.13	10	.14	2	<2	70	<5	.02	<5	112	89	180
287583	1/2 Core	144.10	145.00	0.90	2	.06	23	.12	7	.02	<2	<2	86	<5	.01	<5	129	95	25

09-SND-12																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287584	1/2 Core	145.00	145.92	0.92	1	.05	22	.11	8	.01	3	<2	146	<5	.01	<5	120	83	1
287585	1/2 Core	145.92	147.10	1.18	1	.06	23	.12	7	.17	<2	<2	101	<5	.02	<5	126	72	2
287586	1/2 Core	147.10	148.00	0.90	2	.07	20	.14	6	.19	<2	<2	100	<5	.03	<5	155	45	1
287587	1/2 Core	148.00	148.96	0.96	1	.06	21	.13	2	.10	<2	<2	131	<5	.02	<5	101	46	3
287588	1/2 Core	148.96	149.65	0.69	2	.05	17	.12	6	.02	<2	<2	103	<5	.01	<5	76	73	2
287589	1/2 Core	149.65	150.60	0.95	1	.06	19	.13	5	.01	<2	<2	109	<5	.01	<5	99	81	3
287590	1/2 Core	150.60	151.40	0.80	2	.05	22	.11	8	.09	6	<2	100	<5	.02	<5	95	63	1
287591	1/2 Core	151.40	151.85	0.45	1	.04	17	.12	5	.02	3	<2	122	<5	.01	<5	77	66	1
287592	1/2 Core	standard 1: CDN-CGS-16			14	.10	26	.17	17	1.36	4	<2	116	9	.02	<5	130	115	130
287593	1/2 Core	blank2			2	.28	5	.07	5	.01	3	<2	74	<5	.05	<5	150	30	12
287594	1/2 Core	151.85	152	0.15	1	.05	19	.12	2	.02	<2	<2	119	<5	.01	<5	62	77	2
287595	1/2 Core	152.40	153.90	1.50	2	.06	28	.13	6	.03	<2	<2	108	<5	.01	<5	110	98	3
287596	1/2 Core	153.90	154.70	0.80	1	.05	22	.11	7	.15	3	<2	131	<5	.02	<5	93	86	1
287597	1/2 Core	154.70	155.04	0.34	2	.04	20	.12	4	.09	<2	<2	101	<5	.01	<5	90	135	1
287598	1/2 Core	156.10	157.40	1.30	1	.03	24	.11	11	.08	3	<2	90	<5	.01	<5	86	167	2
287599	1/2 Core	157.40	158.08	0.68	2	.02	10	.10	8	.10	102	<2	92	<5	.02	<5	23	220	1
287600	1/2 Core	158.50	159.60	1.10	1	.03	9	.11	6	.08	167	<2	98	<5	.01	<5	27	196	2
287601	1/2 Core	159.60	160.30	0.70	2	.02	7	.08	19	.17	208	<2	93	<5	.01	<5	22	244	1
287602	1/2 Core	160.30	161.12	0.82	1	.03	9	.11	7	.06	<2	<2	100	<5	.02	<5	41	177	1
287603	1/2 Core	161.12	161.70	0.58	5	.02	12	.12	18	.29	<2	<2	63	<5	.01	<5	74	260	2
287604	1/2 Core	161.70	162.15	0.45	2	.03	11	.09	24	.15	11	<2	95	<5	.02	<5	57	193	1
287605	1/2 Core	162.15	163.00	0.85	4	.02	10	.10	17	.17	9	<2	72	<5	.01	<5	43	349	1
287606	1/2 Core	163.00	164.16	1.16	1	.03	13	.11	32	.09	29	<2	78	<5	.01	<5	63	491	7
287607	1/2 Core	164.16	165.00	0.84	2	.02	9	.10	17	.06	7	<2	75	<5	.02	<5	58	403	2
287608	1/2 Core	165.00	166.00	1.00	6	.03	8	.11	48	.24	6	<2	89	<5	.01	<5	50	325	3
287609	1/2 Core	standard 1: CDN-CGS-16			18	.11	25	.18	18	1.40	7	<2	120	9	.02	<5	130	119	135
287610	1/2 Core	blank2			2	.29	4	.08	6	.01	<2	<2	107	<5	.05	<5	147	25	10
287611	1/2 Core	166.00	167.17	1.17	4	.05	16	.12	11	.02	2	<2	50	<5	.04	<5	164	160	1
287612	1/2 Core	167.17	167.20	0.03	2	.04	15	.11	25	.08	<2	<2	51	<5	.01	<5	146	285	2
287613	1/2 Core	167.95	168.80	0.85	4	.03	16	.12	26	.03	<2	<2	49	<5	.01	<5	160	421	3

09-SND-12																			
Sample		From	To	Interval	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au
No.		metres	metres	metres	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
287614	1/2 Core	168.80	169.60	0.80	3	.04	15	.11	16	.01	<2	<2	51	<5	.03	<5	169	220	5
287615	1/2 Core	169.60	170.24	0.64	2	.03	14	.13	17	.02	<2	<2	39	<5	.01	<5	157	429	2

APPENDIX IV – STATEMENT OF EXPENDITURES

Exploration Work type	Dates		Comment					
Personnel Name (Position)	**From**	**To**	**Field Days**	**Units**		**Rate**		**Subtotal**
Borislav Raynov (Geologist)	4-Aug-09	28-Aug-09		104.25	Hours	$ 80.00	**$**	**8,340.00**
Dr. Jon Pan (Geologist)	1-Aug-09	9-Oct-09		49	Days	$ 500.00	**$**	**24,500.00**
Peter Palikot (General Manager)	1-Aug-09	8-Oct-09		31	Days	$ 400.00	**$**	**12,400.00**
Matt Hercun (Core Cutter)	1-Aug-09	21-Aug-09	Aug 1-3, 11-21	14	Days	$ 300.00	**$**	**4,200.00**
							$	**49,440.00**
Office Studies	**From**	**To**	**Office Days**	**Units**				
Consultation								
Peter Palikot	8-Aug-09	13-Oct-09		24.0	Days	$ 300.00	**$**	**7,200.00**
Report preparation & Database compilation								
Dr. Jon Pan (Geologist)	27-Sep-10	13-Oct-10		1		ARIS Report	**$**	**1,000.00**
							$	**8,200.00**
Geochemical Analysis			**Procedure**	**No.**		**Rate**		**Subtotal**
Pioneer Laboratories			Cu Assay	6	Samples	$ 8.50	**$**	**51.00**
			Au Analysis 20 gm	910	Samples	$ 8.25	**$**	**7,507.50**
			ICP Analysis	910	Samples	$ 8.50	**$**	**7,735.00**
			Core Sample Preparation	910	Samples	$ 6.75	**$**	**6,142.50**
			Assay Tag Books	15	Units	$ 7.00	**$**	**105.00**
			Ties	1000	Units	$ 0.04	**$**	**35.00**
			6ml 12" X 20" sample bags	1000	Units	$ 0.23	**$**	**230.00**
							$	**21,806.00**

Drilling	Description	No.		Rate	Subtotal
Diamond Drilling	Super 38 longyear, Two holes, NQ Core	1702.5	Feet	$ 60.00	**$ 102,150.00**
Bulldozer	D4 Caterpillar and operator *(for mobilization of drill rig and recolomation)*	72.0	Hours	$ 150.00	**$ 10,800.00**
					$ 112,950.00

Transportation	From	To	No.		Rate	Subtotal
Truck Rental						
Ford F-150 Crew	1-Aug-09	15-Oct-09	2.50	Months	$ 3,000.00	**$ 7,500.00**
Ford F-150 Quad Cab	1-Aug-09	15-Oct-09	2.50	Months	$ 3,000.00	**$ 7,500.00**
Ford F-150 Quad Cab	1-Aug-09	15-Oct-09	2.50	Months	$ 3,000.00	**$ 7,500.00**
Ford F-150 Quad Cab	1-Aug-09	15-Oct-09	2.50	Months	$ 3,000.00	**$ 7,500.00**
Fuel						**$ 1,162.59**
						$ 31,162.59

Accommodation & Food			No.		Rate	Subtotal
Hotel	5-Aug-09	12-Oct-09				**$ 12,166.76**
Meals	5-Aug-09	15-Oct-09	72.00	Days	$ 55.00	**$ 3,960.00**
						$ 16,126.76

Miscellaneous			No.		Rate	Subtotal
Core Shack Rental	1-Aug-09	15-Oct-09	2.50		$ 300.00	**$ 750.00**
Core Storage Rental	1-Aug-09	15-Oct-09	2.50		$ 100.00	**$ 250.00**
						$ 1,000.00

TOTAL Expenditures **$240,685.35**

APPENDIX V – ASSAY CERTIFICATES

PIONEER LABORATORIES INC. #103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5 TELEPHONE (604) 231-8165

GEOCHEMICAL ANALYSIS CERTIFICATE

SNL ENTERPRISES LTD.
Project: Logan Copper
Sample Type: Cores

Multi-element ICP Analysis - 0.500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with water. This leach is partial for B, Ba, Cr, Fe, Mg, Mn, Na, P, S, Sn, Ti and limited for Na, K and Al. *Au Analysis- 20 gram sample is digested with aqua regia, MIBK extracted, and is finished by AA or graphite furnace AA.

Analyst R Sanu
Report No. 2092314
Date: July 21, 2009

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	Au*
SAMPLE	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb

	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
284011	.1	2.31	<5	<5	8	<10	1.80	<1	33	40	728	3.04	.03	2.63	1258	9	.01	35	.19	21	.21	<2	<2	62	<5	.05	<5	56	200	1
284012	.1	1.92	11	<5	10	<10	2.09	<1	38	45	19	3.51	.06	1.53	1154	5	.02	19	.15	9	1.50	<2	<2	126	9	.04	<5	42	192	4
284013	.2	1.28	<5	5	34	<10	2.24	<1	13	39	666	3.26	.11	1.25	1107	5	.04	20	.23	15	.14	<2	<2	40	7	.07	<5	108	118	5
284014	.3	1.65	<5	6	18	<10	3.27	<1	53	36	326	4.08	.07	1.58	1091	8	.03	27	.22	16	.85	3	<2	56	9	.06	<5	107	107	2
284015	.1	1.17	6	9	18	<10	2.48	<1	23	35	52	1.28	.07	.58	281	2	.07	10	.19	20	.48	2	<2	102	<5	.10	<5	49	21	1
284016	.2	1.90	16	9	24	<10	2.93	<1	120	42	375	2.89	.06	1.27	480	2	.06	20	.18	10	1.16	<2	<2	93	<5	.07	<5	77	31	1
284017	.1	1.39	<5	11	30	<10	2.06	<1	83	23	574	1.32	.06	.77	249	1	.05	12	.21	6	.58	3	<2	60	<5	.08	<5	48	16	1
284018	.2	1.62	12	9	104	<10	2.11	<1	19	31	377	1.87	.06	1.01	378	2	.04	14	.20	8	.14	<2	<2	66	6	.07	<5	73	26	1
284019	.4	1.31	15	8	81	<10	2.38	<1	162	22	1453	2.20	.05	1.02	350	3	.04	20	.18	12	1.75	<2	<2	64	<5	.06	<5	38	29	1
284020	.1	1.70	6	10	25	<10	2.70	<1	23	27	306	1.61	.07	1.36	526	1	.03	17	.20	9	.14	<2	<2	64	5	.05	<5	60	43	2
284021	.1	1.32	5	13	54	<10	1.90	<1	7	17	395	.87	.06	.72	230	2	.05	7	.28	6	.07	<2	<2	59	<5	.07	<5	39	20	1
284022	.2	1.56	12	9	28	<10	1.73	<1	46	14	1013	1.96	.05	1.28	382	2	.04	12	.33	5	.42	2	<2	69	8	.05	<5	54	29	1
284023	2.6	1.62	18	<5	17	<10	4.26	<1	158	25	1182	2.88	.04	1.47	596	3	.05	19	.30	10	1.73	<2	<2	137	7	.06	<5	47	111	1
284024	.3	1.48	11	7	22	<10	1.93	<1	62	35	991	2.48	.05	1.09	344	1	.03	14	.29	5	.51	3	<2	76	7	.08	<5	79	36	13
284025	.1	1.09	11	6	125	<10	1.48	<1	15	18	575	3.10	.08	.75	201	3	.06	9	.36	4	.16	<2	<2	73	8	.09	<5	104	20	2
284026	.2	1.19	7	7	54	<10	1.68	<1	8	15	677	2.58	.05	.76	203	1	.06	8	.37	5	.10	<2	<2	75	<5	.06	<5	85	17	4
284027	.1	1.56	9	7	45	<10	2.72	<1	16	16	1540	1.95	.04	1.15	369	1	.05	9	.33	4	.43	2	<2	132	<5	.04	<5	47	25	2
284028	.3	1.64	6	9	164	<10	1.97	<1	14	20	825	2.51	.04	1.30	371	3	.06	12	.35	7	.19	<2	<2	117	<5	.07	<5	70	32	2
284029	.1	1.37	<5	6	30	<10	1.87	<1	18	16	616	2.09	.04	1.25	362	1	.04	12	.34	4	.26	<2	<2	95	<5	.06	<5	52	27	1
284030	.3	1.40	<5	5	42	<10	1.65	<1	19	17	1037	2.06	.04	1.19	389	1	.04	13	.36	4	.30	<2	<2	104	<5	.08	<5	55	37	1

	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
284031	.1	1.33	8	9	19	<10	1.86	<1	17	16	868	1.70	.04	1.11	351	9	.05	11	.35	5	.38	<2	<2	85	<5	.07	<5	47	29	1
284032	.2	1.10	17	5	26	<10	4.63	<1	40	17	1391	2.35	<0.01	.62	315	2	.02	13	.31	9	2.05	<2	<2	174	<5	.06	<5	32	15	1
284033	.1	1.54	7	8	122	<10	1.88	<1	16	11	974	2.07	.04	1.53	428	1	.04	11	.38	7	.27	<2	<2	76	5	.07	<5	60	28	1
284034	.2	1.79	<5	6	257	<10	3.01	<1	19	10	1359	3.80	.04	1.28	561	1	.08	15	.37	4	.18	<2	<2	292	8	.03	<5	112	42	3
284035	.1	.81	<5	<5	21	<10	1.78	<1	6	59	1450	1.12	.03	.70	385	23	.04	11	.08	4	.17	<2	<2	58	<5	.04	<5	32	27	15
284036	2.8	.65	<5	<5	8	<10	1.87	<1	4	62	2860	1.06	.04	.51	450	15	.05	10	.07	7	.25	3	<2	45	<5	.02	<5	27	48	1
284037	.1	.72	<5	<5	8	<10	.86	<1	6	99	59	1.03	.03	.54	384	378	.07	9	.06	5	.04	<2	<2	36	<5	.05	<5	21	31	3
284038	.2	1.78	8	<5	20	<10	6.24	<1	19	39	45	4.21	.28	1.01	1544	23	.04	17	.07	9	.02	<2	<2	120	<5	.01	<5	41	92	5
284039	.1	1.03	9	<5	350	<10	1.97	<1	12	53	207	1.74	.06	.83	581	28	.03	15	.06	4	.06	<2	<2	61	<5	.01	<5	28	32	195
284040	.3	1.68	5	<5	384	<10	2.14	<1	17	76	59	3.90	.41	2.14	430	2	.19	46	.36	11	.05	<2	<2	383	8	.16	<5	102	97	2
284041	.1	1.57	8	<5	1415	<10	2.78	<1	14	70	65	2.75	.30	1.41	537	3	.18	34	.27	6	.12	<2	<2	377	<5	.10	<5	77	60	120
284042	.2	1.29	10	6	2364	<10	4.70	<1	10	41	158	1.95	.21	.84	621	3	.17	21	.22	15	.09	3	<2	491	<5	.05	<5	51	56	175

CE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb

PIONEER LABORATORIES INC. #103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5 TELEPHONE (604) 231-8165

GEOCHEMICAL ANALYSIS CERTIFICATE

SNL ENTERPRISES LTD.
Project: Logan Copper
Sample Type: Cores

Multi-element ICP Analysis - 0.500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with water. This leach is partial for B, Ba, Cr, Fe, Mg, Mn, Na, P, S, Sn, Ti and limited for Na, K and Al. *Au Analysis- 20 gram sample is digested with aqua regia, MIBK extracted, and is finished by AA or graphite furnace AA.

Analyst RSaun
Report No. 2092339
Date: Auugst 05, 2009

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	*Au ppb
284043	.1	1.80	9	11	54	<10	1.84	<1	15	35	1510	2.84	.07	1.11	510	2	.05	14	.15	10	.18	3	<2	59	<5	.07	<5	91	42	8
284044	.2	1.45	28	7	29	<10	1.46	<1	19	34	2281	3.01	.09	1.05	443	4	.06	15	.17	19	.29	<2	<2	47	<5	.07	<5	100	59	47
284045	.1	1.50	24	<5	101	<10	1.55	<1	28	25	615	2.87	.07	1.02	472	3	.04	16	.18	11	.18	<2	<2	39	<5	.06	<5	92	41	5
284046	.1	1.42	20	6	190	<10	1.36	<1	15	43	468	3.93	.06	1.11	454	4	.05	19	.21	8	.06	<2	<2	40	10	.07	<5	132	45	7
284047	.1	1.74	<5	7	45	<10	4.69	<1	28	24	209	3.80	.13	1.50	1021	7	.02	22	.19	15	.11	2	<2	65	<5	.01	<5	90	118	1
284048	.1	1.51	<5	<5	52	<10	3.54	<1	31	26	561	3.52	.09	1.98	1290	3	.02	23	.18	0	.16	<2	<2	69	7	.02	<5	77	120	2
284049	.1	1.53	<5	<5	404	<10	2.44	<1	36	37	304	3.80	.08	1.56	954	6	.03	22	.19	17	.39	<2	<2	70	<5	.05	<5	92	86	1
284050	.1	1.32	14	<5	24	<10	1.80	<1	18	32	288	3.36	.09	1.25	750	5	.02	20	.21	9	.08	3	<2	43	6	.05	<5	100	46	1
284051	.1	1.46	12	<5	13	<10	2.91	<1	51	36	348	3.30	.06	1.63	1023	17	.03	23	.22	13	.59	<2	<2	47	9	.05	<5	84	88	2
284052	.2	1.62	17	<5	8	<10	1.69	<1	26	43	1690	2.65	.03	2.09	1004	3	.03	24	.20	13	.18	<2	<2	57	<5	.07	<5	61	99	1
284053	.7	1.53	23	<5	11	<10	2.37	<1	17	40	6520	2.78	.06	1.80	972	74	.02	23	.21	33	.63	<2	<2	84	6	.07	<5	62	114	1
284054	.1	1.21	18	6	23	<10	2.25	<1	10	33	293	2.52	.10	1.27	790	3	.03	17	.22	28	.05	<2	<2	67	<5	.06	<5	87	78	1
284055	.1	1.81	<5	7	42	<10	1.95	<1	15	33	950	2.85	.06	1.21	320	4	.05	17	.21	10	.17	<2	<2	73	<5	.06	<5	95	23	1
284056	.1	1.41	9	6	14	<10	1.55	<1	25	34	920	2.11	.03	1.29	352	5	.04	18	.23	7	.28	<2	<2	83	<5	.07	<5	66	25	4
284057	1.0	1.10	<5	<5	22	<10	1.70	<1	11	20	**>10,000**	.88	.01	.77	451	10	.01	5	.33	44	.20	<2	<2	11	<5	.01	<5	33	66	13
284058	.7	1.75	<5	<5	189	<10	2.28	<1	21	25	6150	2.19	.03	1.13	303	106	.05	16	.18	13	.79	<2	<2	92	<5	.05	<5	51	22	3
284059	.1	2.27	<5	8	341	<10	2.95	<1	47	36	820	2.00	.01	1.32	343	10	.04	24	.22	12	.60	<2	<2	98	<5	.05	<5	50	24	1
284060	.3	1.50	<5	6	42	<10	1.80	<1	50	37	1680	2.51	.02	1.32	394	3	.04	20	.21	13	.65	<2	<2	90	<5	.06	<5	62	32	1
284061	.1	1.31	15	7	53	<10	1.57	<1	11	29	1040	2.40	.06	1.01	361	7	.05	14	.23	10	.15	<2	<2	61	6	.06	<5	85	29	2
284062	1.2	1.52	<5	<5	80	<10	1.74	<1	30	28	6020	3.41	.03	1.82	785	3	.04	20	.21	17	1.11	<2	<2	96	7	.07	<5	63	67	1
284063	.1	1.53	12	<5	20	<10	.77	<1	18	24	736	4.14	.08	1.79	627	4	.05	19	.21	10	.17	<2	<2	47	9	.06	<5	130	48	1
284064	6.9	1.15	15	<5	19	<10	2.53	<1	25	32	**>10,000**	5.26	.02	1.17	463	9	.02	30	.18	2	3.20	<2	<2	298	11	.09	<5	45	41	2
284065	1.2	1.57	<5	5	61	<10	1.70	<1	14	29	4810	3.00	.06	1.35	473	2	.04	19	.23	9	.68	<2	<2	66	<5	.06	<5	70	34	5
284066	.1	1.75	13	8	274	<10	1.98	<1	12	30	920	3.38	.05	1.52	515	3	.05	19	.25	11	.16	<2	<2	84	<5	.06	<5	103	41	1
284067	.1	1.29	<5	<5	61	<10	2.04	<1	19	19	830	1.95	.07	1.61	728	2	.04	17	.22	13	.33	<2	<2	68	<5	.08	<5	68	65	1
284068	.1	1.56	<5	6	46	<10	2.17	<1	36	36	2710	3.33	.06	1.55	711	3	.04	21	.21	11	.92	<2	<2	98	8	.07	<5	79	46	1
284069	.1	1.51	9	5	24	<10	1.60	<1	35	32	977	4.09	.06	1.52	556	2	.03	21	.20	10	.75	<2	<2	91	9	.06	<5	101	40	1
284070	.1	2.05	14	8	183	<10	2.42	<1	19	93	60	3.95	.22	2.74	608	3	.14	65	.33	12	.08	<2	<2	338	10	.11	<5	99	84	2
284071	.1	1.15	20	6	28	<10	1.85	<1	10	28	520	1.38	.08	1.23	366	2	.05	13	.21	9	.09	4	<2	86	<5	.06	<5	61	25	1
284072	.1	1.17	24	7	20	<10	1.85	<1	15	30	360	2.66	.06	1.29	459	3	.05	19	.22	4	.13	<2	<2	91	<5	.06	<5	101	29	1
284073	.1	1.10	17	6	24	<10	2.11	<1	12	24	1270	2.01	.05	1.31	367	6	.05	17	.23	9	.18	<2	<2	72	5	.05	<5	79	23	1
284074	1.0	1.16	21	8	23	<10	3.03	<1	24	23	7520	2.22	.03	1.19	466	2	.04	18	.19	7	1.04	<2	<2	107	<5	.08	<5	48	30	210
284075	.1	1.07	<5	5	18	<10	4.05	<1	9	19	1330	1.31	.05	1.08	487	3	.05	19	.20	6	.16	<2	<2	84	<5	.06	<5	73	22	1
284076	2.8	1.03	11	<5	18	<10	2.79	<1	16	37	**>10,000**	2.95	.03	.96	339	65	.04	20	.19	4	1.52	<2	<2	53	7	.05	<5	73	25	7
284077	.1	.48	13	<5	9	<10	1.49	<1	5	55	890	.73	.04	.46	219	50	.05	7	.08	7	.12	<2	<2	29	<5	.04	<5	39	15	1

ELEMENT SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm
284078	.1	.52	<5	<5	11	<10	1.48	<1	10	56	1576	.88	.03	.53	199	64	.05	10	.08	6	.21	<2	<2	31	<5	.06	<5	39	15
284079	.1	.57	<5	<5	10	<10	1.10	<1	8	65	371	.85	.03	.56	189	11	.05	9	.07	5	.06	3	<2	32	<5	.05	<5	37	19
284080	.5	.46	6	<5	18	<10	2.05	<1	9	39	5118	1.28	.02	.35	253	6	.05	8	.08	3	.67	<2	<2	61	<5	.02	<5	35	15
284081	.1	.42	5	<5	14	<10	1.93	<1	10	68	582	.63	.04	.27	216	33	.06	7	.09	4	.10	<2	<2	57	<5	.03	<5	31	9
284082	.1	.53	11	6	18	<10	1.83	<1	9	56	1528	.83	.04	.46	223	3	.06	9	.08	5	.16	<2	<2	52	<5	.04	<5	40	9
284083	.1	1.07	7	6	21	<10	5.13	<1	35	24	1862	5.52	.23	1.53	1760	52	.04	24	.20	13	.15	<2	<2	144	7	.01	<5	103	168
284084	.8	.76	6	7	23	<10	5.26	<1	18	25	1450	3.60	.25	.62	1317	38	.03	14	.17	11	.26	12	<2	114	7	.01	<5	62	144
284085	.6	.75	<5	<5	1321	<10	6.07	<1	15	34	1649	3.36	.23	.39	1738	5	.02	13	.20	8	.22	<2	<2	104	<5	.01	<5	41	90
284086	.4	.67	<5	7	594	<10	6.42	<1	14	38	1280	3.41	.28	.33	1788	4	.02	11	.23	9	.17	<2	<2	83	<5	.01	<5	55	105
284087	1.0	.67	<5	6	99	<10	7.47	<1	17	43	2231	3.08	.26	.38	1821	5	.02	10	.20	8	.88	<2	<2	74	<5	.01	<5	32	65
284088	.2	.90	<5	6	567	<10	5.74	<1	15	54	746	3.34	.26	.61	1546	3	.02	14	.19	6	.17	<2	<2	78	<5	.01	<5	46	90
284089	.1	.78	<5	7	109	<10	5.73	<1	12	44	650	2.77	.27	.38	1280	3	.02	10	.20	5	.10	<2	<2	68	<5	.01	<5	44	90
284090	.1	1.35	<5	6	245	<10	5.65	<1	18	50	1331	4.32	.28	.81	1519	4	.02	18	.19	10	.21	2	<2	74	8	.01	<5	85	107
284091	.9	1.23	18	<5	167	<10	5.04	<1	17	48	7410	4.10	.19	.97	1439	3	.02	17	.18	9	.76	29	<2	52	8	.01	<5	69	106
284092	.1	1.35	14	9	42	<10	5.20	<1	23	29	390	5.86	.26	.71	1268	4	.03	22	.23	13	.15	<2	<2	81	11	.01	<5	125	106
284093	.1	1.33	<5	10	43	<10	5.56	<1	21	28	405	5.64	.28	.68	1436	3	.03	21	.22	10	.06	<2	<2	89	11	.01	<5	112	121
284094	.2	.64	8	6	64	<10	7.87	<1	13	33	1080	3.55	.25	.33	1806	5	.02	12	.20	8	.11	<2	<2	85	<5	.01	<5	76	75
284095	.3	.60	10	7	44	<10	7.44	<1	15	27	972	3.95	.27	.32	1797	3	.03	10	.21	11	.12	<2	<2	100	5	.01	<5	69	88
284096	.5	.54	18	6	42	<10	7.66	<1	11	31	1362	3.01	.27	.36	1794	3	.02	9	.18	9	.13	6	<2	90	<5	.01	<5	55	67
284097	.8	1.40	9	8	1984	<10	7.92	<1	14	27	769	3.19	.26	.56	1629	2	.03	13	.12	14	.12	<2	<2	104	<5	.01	<5	35	151
284098	.1	1.78	11	5	113	<10	3.43	<1	21	29	990	4.51	.17	1.61	1673	3	.03	19	.16	10	.12	<2	<2	46	7	.01	<5	90	141
284099	1.4	2.03	19	<5	30	<10	2.63	<1	23	33	3720	5.13	.14	1.81	1782	4	.03	18	.15	14	.35	<2	<2	35	9	.01	<5	85	168
284100	.1	1.44	15	6	65	<10	3.06	<1	19	39	380	4.37	.21	1.30	1357	3	.02	18	.14	13	.04	<2	<2	44	9	.02	<5	109	118
284101	.6	1.83	14	5	198	<10	2.11	<1	22	35	4165	4.80	.12	1.62	1558	3	.03	17	.13	13	.35	<2	<2	28	6	.01	<5	76	163
284102	.1	1.17	13	<5	91	<10	4.20	<1	15	32	334	3.50	.20	.91	1430	4	.03	15	.13	10	.05	<2	<2	51	<5	.01	<5	80	113
284103	.4	1.08	14	5	110	<10	5.22	<1	13	35	2010	2.98	.22	.60	1499	2	.03	13	.14	9	.22	<2	<2	65	6	.01	<5	62	97
284104	.1	1.49	25	5	58	<10	4.29	<1	19	39	1790	3.89	.18	1.13	1657	3	.02	16	.15	10	.19	<2	<2	46	<5	.01	<5	72	140
284105	.1	1.63	<5	<5	83	<10	3.14	<1	18	38	611	4.48	.17	1.45	1638	4	.03	18	.14	15	.08	<2	<2	38	<5	.01	<5	100	155
284106	.1	1.56	11	<5	62	<10	3.48	<1	17	47	1120	3.81	.08	1.45	1720	3	.03	13	.12	7	.12	<2	<2	32	6	.01	<5	78	169
284107	.2	2.10	9	<5	33	<10	2.24	<1	25	46	2320	5.28	.11	1.90	1745	4	.02	19	.13	15	.24	5	<2	27	10	.01	<5	91	161
284108	.1	1.00	13	6	61	<10	5.23	<1	15	31	605	3.42	.21	.64	1403	2	.03	15	.15	4	.06	<2	<2	67	5	.01	<5	81	102
284109	.1	1.33	<5	<5	26	<10	3.77	<1	18	30	657	4.07	.15	1.21	1417	3	.03	16	.16	10	.08	<2	<2	40	10	.01	<5	102	110
284110	.1	1.96	<5	<5	8	<10	2.02	<1	26	44	1025	3.37	.03	1.94	1078	4	.02	26	.19	29	.24	<2	<2	65	5	.06	<5	64	147
284111	.3	1.35	5	6	35	<10	2.12	<1	137	36	369	4.54	.09	.91	575	13	.05	16	.18	12	1.57	<2	<2	42	7	.06	<5	107	43
284112	.1	1.49	<5	6	31	<10	1.72	<1	26	25	504	3.58	.05	.97	440	6	.03	15	.22	9	.38	<2	<2	41	<5	.06	<5	108	32
284113	.1	1.55	6	<5	97	<10	1.88	<1	266	24	1980	3.62	.03	.91	266	52	.04	18	.21	8	2.43	<2	<2	67	7	.07	<5	58	20
284114	.1	1.59	36	8	96	<10	1.90	<1	273	25	1825	3.66	.03	.92	271	55	.04	17	.23	6	2.47	<2	<2	68	<5	.07	<5	59	20
284115	.1	1.66	10	9	184	<10	1.90	<1	52	21	910	1.34	.05	.89	222	6	.07	11	.27	15	.36	<2	<2	107	<5	.07	<5	50	20
284116	.4	1.47	12	7	285	<10	1.90	<1	86	22	1905	2.59	.05	.93	367	3	.04	14	.28	40	.74	<2	<2	72	<5	.07	<5	83	86
284117	1.6	1.57	13	<5	173	<10	3.21	<1	18	23	**>10,000**	2.98	.03	1.05	642	3	.02	10	.27	80	1.12	<2	<2	143	5	.07	<5	62	231

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn
SAMPLE	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
284118	.9	1.92	12	<5	10	<10	1.35	<1	30	13	5990	2.38	.03	1.33	793	26	.02	12	.16	9	.48	<2	<2	80	<5	.02	<5	36	108
284119	.1	1.39	16	7	50	<10	1.77	<1	16	26	610	2.40	.10	1.08	596	2	.04	11	.26	14	.11	<2	<2	58	<5	.06	<5	88	58
284120	1.1	1.25	8	<5	79	<10	2.02	<1	34	21	4952	2.08	.03	1.01	562	2	.03	9	.23	52	.87	<2	<2	68	<5	.07	<5	50	96
284121	.1	1.31	10	7	24	<10	2.02	<1	16	17	474	1.30	.09	1.08	662	53	.04	9	.32	14	.14	<2	<2	49	<5	.08	<5	56	78
284122	.1	1.10	9	8	23	<10	1.74	<1	12	15	424	.79	.11	.71	410	9	.03	7	.32	19	.18	<2	<2	40	<5	.07	<5	39	55
284123	1.3	1.25	9	6	18	<10	1.97	<1	87	18	5262	1.91	.07	.83	474	9	.03	10	.36	25	1.14	<2	<2	43	7	.07	<5	40	67
284124	.1	1.34	11	6	39	<10	2.70	<1	35	22	120	1.49	.05	1.04	649	2	.04	9	.31	24	.37	<2	<2	115	<5	.09	<5	45	111
284125	.1	1.59	<5	5	150	<10	1.71	<1	17	16	425	2.81	.09	1.23	607	3	.05	7	.32	15	.12	<2	<2	85	10	.09	<5	110	51
284126	.3	1.90	14	6	70	<10	2.20	<1	47	22	771	3.52	.05	1.54	683	2	.03	13	.28	24	1.05	<2	<2	90	<5	.08	<5	96	98
284127	.1	1.60	<5	9	43	<10	1.89	<1	16	19	519	2.49	.07	1.22	378	3	.04	9	.26	8	.13	2	<2	70	<5	.09	<5	102	31
284128	.1	1.63	22	8	790	<10	2.47	<1	20	25	743	1.46	.05	1.06	465	2	.03	10	.21	15	.26	<2	<2	88	<5	.06	<5	62	48
284129	.3	1.48	18	8	262	<10	1.92	<1	26	21	2490	2.19	.05	.97	362	3	.04	11	.20	13	.77	<2	<2	53	6	.07	<5	74	33
284130	.1	1.05	5	5	45	<10	1.31	<1	12	27	426	2.89	.08	.97	466	2	.07	12	.11	11	.07	<2	<2	45	10	.09	<5	131	35
284131	.1	1.03	<5	6	15	<10	4.03	<1	22	31	205	1.60	.06	.93	956	1	.03	13	.20	17	.39	4	<2	56	<5	.09	<5	84	74
284132	.1	.95	11	7	11	<10	3.07	<1	23	37	1310	1.69	.07	.93	813	3	.04	16	.20	16	.51	<2	<2	49	<5	.09	<5	80	65
284133	.1	1.09	25	5	28	<10	2.07	<1	16	39	355	2.36	.09	1.14	775	2	.03	16	.20	17	.13	<2	<2	31	<5	.12	<5	100	79
284135	.1	.81	<5	7	15	<10	1.31	<1	13	25	657	1.09	.09	.81	548	11	.04	9	.19	22	.24	<2	<2	35	<5	.07	<5	46	58
284136	.2	1.01	14	6	15	<10	1.18	<1	61	28	1290	1.75	.06	.94	451	4	.03	14	.22	25	.96	3	<2	48	<5	.06	<5	42	36
284137	.1	1.47	10	8	21	<10	2.19	<1	29	18	558	1.22	.05	.90	301	6	.04	10	.24	14	.60	<2	<2	45	<5	.07	<5	43	22
284138	.1	1.62	22	7	26	<10	1.77	<1	20	20	306	1.98	.08	1.76	1089	2	.04	14	.17	20	.14	<2	<2	46	<5	.07	<5	79	122
284139	1.3	1.51	25	<5	50	<10	1.58	<1	31	15	6710	3.24	.01	1.76	890	3	.02	21	.11	13	1.37	<2	<2	66	6	.09	<5	66	74
284140	.3	1.68	8	<5	68	<10	2.00	<1	19	25	1925	2.50	.05	1.97	972	2	.03	19	.21	28	.24	<2	<2	68	<5	.09	<5	74	138
284141	.1	1.35	<5	6	20	<10	2.69	<1	11	20	1095	2.03	.08	1.47	845	1	.03	15	.23	22	.13	<2	<2	56	<5	.07	<5	75	87
284142	.1	.77	5	<5	18	<10	3.03	<1	10	42	796	1.31	.07	.64	517	8	.04	10	.12	10	.26	<2	<2	55	<5	.01	<5	48	39
284143	.1	.52	60	6	14	<10	2.54	<1	5	48	349	.93	.12	.33	328	24	.03	5	.08	4	.04	22	<2	81	<5	.01	<5	12	33
284144	.1	.47	33	5	13	<10	1.67	<1	4	42	366	.91	.05	.44	228	16	.05	7	.09	6	.05	12	<2	43	<5	.01	<5	29	20
284145	.3	.99	7	<5	9	<10	1.33	<1	7	64	3210	1.86	.10	.60	478	17	.02	6	.07	131	.35	<2	<2	61	<5	.02	<5	40	53
284146	.1	.34	12	6	227	<10	1.40	<1	5	65	1060	.94	.10	.23	339	5	.04	4	.06	6	.13	<2	<2	25	<5	.01	<5	12	23
284147	.1	.41	<5	<5	15	<10	1.59	<1	4	70	244	.95	.15	.17	415	4	.03	4	.06	5	.03	<2	<2	34	<5	.01	<5	11	22
284148	.1	.51	<5	<5	24	<10	1.31	<1	5	63	261	1.03	.09	.41	436	3	.05	5	.07	6	.03	<2	<2	23	<5	.01	<5	13	37
284149	.1	.74	5	<5	121	<10	1.21	<1	4	57	42	1.46	.11	.55	421	3	.05	5	.08	5	.01	<2	<2	37	<5	.01	<5	26	28
284150	.1	.71	6	<5	21	<10	1.08	<1	5	49	870	1.09	.11	.44	380	11	.04	6	.07	7	.10	<2	<2	38	<5	.01	<5	17	46
284151	.1	.69	<5	5	12	<10	1.58	<1	15	24	1625	1.12	.08	.73	518	2	.03	9	.20	24	.46	<2	<2	28	<5	.07	<5	51	59
284152	.1	1.70	<5	<5	34	<10	1.46	<1	16	39	155	3.81	.07	1.34	384	4	.04	22	.20	10	.44	<2	<2	31	7	.13	<5	130	55
284153	.3	1.02	11	8	12	<10	1.31	<1	12	49	228	2.10	.05	.96	285	10	.03	12	.16	12	.93	<2	<2	22	6	.06	<5	56	29
284154	.1	1.09	<5	<5	675	<10	1.03	<1	13	43	76	2.93	.24	.96	253	6	.05	17	.17	6	.06	<2	<2	39	<5	.14	<5	112	40
284155	.1	1.50	18	<5	28	<10	1.71	<1	12	33	291	3.74	.06	.79	275	3	.04	13	.15	13	.11	<2	<2	43	9	.08	<5	161	29
284156	.1	2.06	6	7	195	<10	2.10	<1	13	28	279	3.56	.13	1.13	365	4	.05	16	.20	12	.04	<2	<2	56	7	.15	<5	136	43
284157	.1	1.54	8	<5	78	<10	1.53	<1	27	35	246	3.40	.04	1.15	526	3	.03	19	.16	14	1.05	<2	<2	72	<5	.11	<5	88	36
284158	.1	1.68	29	5	24	<10	1.23	<1	27	40	420	3.61	.04	1.36	655	4	.04	20	.17	11	.66	<2	<2	56	7	.12	<5	101	48

ELEMENT SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm
284159	.6	.96	18	<5	21	<10	1.12	<1	335	33	42	7.27	.06	.66	298	5	.04	15	.14	36	7.56	<2	<2	43	14	.10	<5	47	165
284160	.5	1.97	<5	8	32	<10	4.28	<1	28	28	308	4.32	.26	1.02	1274	17	.03	22	.20	18	.30	<2	<2	94	7	.01	<5	80	122
284161	.1	.72	<5	5	33	<10	5.91	<1	8	23	68	1.21	.29	.36	1404	4	.02	6	.16	9	.05	8	<2	90	<5	.01	<5	34	50
284162	.9	1.42	12	7	549	<10	3.79	<1	22	30	1898	2.94	.34	.79	1066	3	.03	13	.19	16	.58	25	<2	81	<5	.01	<5	54	88
284163	.1	1.45	<5	<5	63	<10	1.36	<1	17	36	459	3.20	.08	1.37	562	4	.05	16	.17	11	.13	<2	<2	47	7	.12	<5	118	52
284164	4.6	.88	25	8	18	<10	2.63	<1	278	38	**>10,000**	12.96	.10	.27	506	36	.01	9	.08	37	13.14	<2	<2	151	21	.03	<5	7	74

PIONEER LABORATORIES INC. #103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5 TELEPHONE (604) 231-8165

GEOCHEMICAL ANALYSIS CERTIFICATE

SNL ENTERPRISES LTD.
Project: Logan Copper
Sample Type: Cores

Multi-element ICP Analysis - 0.500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with water. This leach is partial for B, Ba, Cr, Fe, Mg, Mn, Na, P, S, Sn, Ti and limited for Na, K and Al. *Au Analysis- 20 gram sample is digested with aqua regia, MIBK extracted, and is finished by AA or graphite furnace AA.

Analyst RGagnon
Report No. 2092360
Date: August 19, 2009

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
284165	1.7	2.90	18	8	20	<10	2.35	<1	123	68	7088	7.65	.13	2.76	1143	5	.09	29	.09	15	4.52	<2	<2	66	14	.13	<5	82	170	2
284166	.2	1.25	5	<5	153	<10	1.66	<1	8	21	691	2.63	.05	.85	258	12	.06	12	.11	3	.29	2	<2	66	7	.11	<5	75	25	1
284167	.1	1.35	12	6	64	<10	2.36	<1	11	19	966	1.75	.05	.98	282	26	.05	11	.11	4	.34	4	<2	59	5	.09	<5	53	25	1
284168	.2	2.07	10	<5	26	<10	1.47	<1	20	28	853	3.34	.06	1.73	583	2	.03	17	.11	2	.15	<2	<2	60	7	.11	<5	74	61	1
284169	.5	2.38	11	<5	11	<10	1.69	<1	26	26	2350	3.59	.06	2.11	757	3	.04	20	.10	6	.35	<2	<2	73	8	.10	<5	58	70	1
284170	.3	1.93	5	<5	20	<10	1.91	<1	29	28	1588	2.43	.12	1.55	628	17	.03	19	.11	6	.34	3	<2	122	5	.09	<5	51	61	1
284171	.5	1.39	6	<5	57	<10	1.13	<1	12	22	1300	2.62	.09	1.05	338	2	.05	12	.12	7	.15	<2	<2	45	6	.11	<5	80	39	1
284172	.4	1.56	12	<5	171	<10	.87	<1	16	21	1551	3.23	.10	1.38	412	3	.06	15	.13	3	.14	4	<2	37	5	.14	<5	91	48	1
284173	.3	2.26	5	<5	20	<10	1.63	<1	27	34	1750	3.09	.05	1.96	666	5	.04	19	.12	2	.19	<2	<2	77	10	.10	<5	65	66	1
284174	1.3	1.67	7	<5	164	<10	1.39	<1	18	23	1151	2.89	.06	1.47	591	1	.03	15	.12	10	.15	<2	<2	62	8	.11	<5	73	66	1
284175	.2	2.11	5	6	36	<10	1.52	<1	20	20	850	3.63	.07	1.96	724	2	.04	17	.13	9	.10	<2	<2	46	7	.14	<5	97	94	1
284176	.5	1.50	12	5	13	<10	3.04	5	16	90	3700	2.35	.01	.77	485	18	.02	12	.08	61	1.27	3	<2	167	6	.13	<5	43	437	1
284177	.1	1.78	15	5	42	<10	2.35	<1	15	19	257	3.81	.07	1.60	846	3	.04	15	.12	8	.04	3	<2	40	7	.16	<5	112	95	1
284178	.2	1.94	6	<5	52	<10	2.40	<1	20	25	845	2.83	.04	1.77	807	17	.03	19	.13	9	.13	<2	<2	92	5	.11	<5	80	92	1
284179	.1	1.78	13	<5	39	<10	2.59	<1	18	20	655	3.93	.07	1.75	988	4	.02	18	.15	14	.14	5	<2	45	8	.11	<5	101	112	1
284180	.5	2.09	16	<5	39	<10	2.55	<1	23	24	4629	3.88	.05	1.94	952	2	.04	23	.13	3	.46	<2	<2	78	9	.10	<5	85	90	1
284181	.2	2.52	18	7	89	<10	5.39	<1	19	22	655	2.93	.19	2.13	1340	34	.05	18	.12	19	.07	2	<2	102	5	.01	<5	57	124	1
284182	.3	1.70	11	<5	51	<10	1.60	<1	17	31	627	3.22	.08	1.67	709	2	.04	20	.12	6	.08	<2	<2	50	7	.09	<5	85	66	1
284183	.4	2.12	15	5	87	<10	2.06	<1	18	32	345	3.74	.12	1.89	1005	3	.03	21	.13	6	.03	<2	<2	79	8	.05	<5	81	85	1
284184	.1	1.58	6	<5	66	<10	2.06	<1	16	32	97	3.71	.10	1.58	828	2	.05	19	.14	8	.01	3	<2	44	6	.09	<5	105	74	1
284185	3.4	1.17	17	7	59	<10	4.91	2	9	14	290	1.89	.38	.54	1153	4	.04	8	.13	10	.09	40	<2	95	5	.01	<5	37	79	1
284186	.3	2.08	7	<5	297	<10	2.14	<1	22	22	1923	3.56	.05	2.17	878	5	.05	22	.13	4	.16	<2	<2	58	9	.07	<5	88	73	2
284187	.4	3.85	5	<5	249	<10	1.99	<1	37	78	1310	5.32	.07	3.65	1540	2	.02	33	.13	9	.12	4	<2	61	7	.04	<5	79	125	1
284188	.3	2.98	11	<5	35	<10	3.20	<1	31	19	893	4.21	.13	2.75	1391	1	.04	27	.16	6	.07	3	<2	72	6	.02	<5	87	120	1
284189	.2	1.01	12	5	2349	<10	3.07	<1	9	7	487	2.10	.17	.75	679	2	.05	7	.05	4	.10	8	<2	138	5	.01	<5	19	118	1
284190	1.3	.56	26	<5	19	<10	2.22	2	5	15	1912	1.17	.12	.45	471	7	.05	4	.04	22	.17	21	<2	96	6	.02	<5	9	39	1
284191	1.2	.57	13	<5	24	<10	4.49	<1	6	24	1923	1.13	.13	.42	883	156	.04	4	.05	12	.18	6	<2	98	5	.01	<5	12	30	1
284192	1.3	.59	5	<5	21	<10	1.74	<1	7	14	1518	.90	.15	.36	316	26	.06	4	.05	9	.14	6	<2	123	6	.02	<5	6	31	1
284193	.4	.37	13	<5	19	<10	2.40	<1	5	21	1241	.94	.09	.48	445	6	.04	3	.04	7	.13	11	<2	55	5	.01	<5	8	38	1
284194	.1	.87	15	<5	23	<10	4.30	<1	15	19	460	3.88	.15	.73	1441	2	.05	15	.15	6	.04	4	<2	131	9	.02	<5	67	105	1
284195	.2	1.22	5	5	28	<10	5.73	<1	19	20	552	4.14	.14	1.03	1589	4	.06	19	.13	7	.06	2	<2	153	5	.01	<5	70	126	1
284196	.1	1.03	12	<5	28	<10	4.74	<1	20	29	2280	4.04	.12	.92	1573	2	.04	19	.14	3	.21	<2	<2	86	7	.02	<5	81	126	1
284197	.4	.63	7	<5	124	<10	4.53	<1	18	15	3415	4.22	.15	1.46	1825	1	.06	15	.12	4	.27	3	<2	156	5	.01	<5	60	108	2
284198	.3	2.42	6	10	73	<10	3.50	<1	15	41	632	3.80	.16	1.99	654	2	.03	26	.14	7	.03	<2	<2	50	6	.09	<5	99	88	1
284199	.4	1.66	9	<5	57	<10	1.45	<1	16	44	1903	3.87	.14	1.25	421	4	.05	19	.13	8	.16	<2	<2	25	8	.22	<5	125	70	4

ENT SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
284200	.2	2.23	5	9	52	<10	7.68	<1	18	25	64	4.60	.26	1.22	1118	4	.01	15	.12	6	.01	<2	<2	65	12	.01	<5	64	87	1
284201	1.0	1.46	16	6	69	<10	6.38	<1	12	30	308	2.82	.25	.77	658	5	.03	16	.13	4	.02	2	<2	67	5	.03	<5	70	53	2
284202	.2	1.99	6	<5	64	<10	2.86	<1	17	39	825	4.62	.15	1.45	508	2	.04	20	.15	3	.16	<2	<2	43	8	.20	<5	136	55	6
284203	.1	1.59	11	<5	122	<10	1.90	<1	15	41	423	3.98	.14	1.20	440	3	.05	19	.14	2	.05	6	<2	34	5	.17	<5	125	69	11
284204	.2	1.28	9	<5	62	<10	13.26	<1	13	18	133	2.42	.15	.91	1491	1	.01	14	.08	5	.03	<2	<2	115	6	.02	<5	39	50	1
284205	.2	2.15	5	7	66	<10	6.11	<1	18	22	151	3.84	.21	1.13	824	2	.02	20	.13	3	.02	<2	<2	68	7	.02	<5	104	76	1
284206	.3	1.77	16	<5	90	<10	1.62	<1	17	30	176	4.15	.19	1.32	441	1	.04	17	.14	6	.22	<2	<2	37	8	.18	<5	172	61	1
284207	.1	2.26	27	6	54	<10	2.61	<1	24	50	34	3.75	.12	1.29	490	3	.06	20	.13	10	.53	<2	<2	81	6	.18	<5	135	56	6
284208	.5	2.04	37	<5	9	<10	2.52	<1	140	67	194	8.15	.04	1.38	636	4	.02	23	.13	8	6.82	<2	<2	102	17	.13	<5	72	44	3
284209	.2	1.89	20	<5	38	<10	2.16	<1	37	61	151	2.70	.03	.99	508	20	.02	16	.14	5	.75	2	<2	144	6	.13	<5	74	37	1
284210	.1	1.77	5	<5	46	<10	1.71	<1	20	43	289	3.37	.08	1.39	627	3	.04	16	.12	7	.13	<2	<2	69	8	.14	<5	129	55	1
284211	3.6	1.94	23	<5	9	<10	2.35	<1	289	40	7492	8.70	.03	1.36	753	6	.01	27	.10	13	7.49	<2	<2	144	19	.06	<5	35	65	3
284212	1.5	2.05	15	<5	9	<10	1.79	<1	55	65	3102	3.92	.04	1.38	787	18	.02	22	.11	9	1.71	<2	<2	172	6	.08	<5	49	77	1
284213	.2	1.68	12	<5	281	<10	.95	<1	19	31	582	3.60	.16	1.47	538	1	.05	18	.14	3	.10	3	<2	34	7	.17	<5	138	55	1
284214	.2	1.52	6	<5	6	<10	2.00	<1	20	59	96	1.76	.03	.93	640	2	.01	15	.09	8	.09	<2	<2	178	5	.08	<5	38	48	1
284215	.1	1.38	5	<5	6	<10	2.96	<1	12	50	871	1.69	.02	.80	573	3	.02	11	.08	5	.20	<2	<2	177	6	.09	<5	40	45	1
284216	.2	3.52	6	5	10	<10	7.40	<1	34	64	47	1.96	.01	.79	436	4	.03	13	.10	8	.74	<2	<2	153	5	.08	<5	72	22	1
284217	.5	3.20	19	<5	1436	<10	6.96	<1	10	33	80	2.03	.06	.94	427	2	.06	11	.08	3	.05	3	<2	157	6	.06	<5	94	26	1
284218	.1	2.41	11	6	3022	<10	2.18	<1	16	39	424	3.71	.08	1.81	767	4	.08	21	.17	8	.08	6	<2	149	5	.07	<5	137	62	1
284219	.3	2.70	9	<5	467	<10	2.44	<1	21	29	368	4.34	.09	2.36	1016	5	.06	28	.17	10	.05	<2	<2	124	8	.05	<5	138	74	1
284220	.4	3.25	7	<5	221	<10	2.40	<1	30	26	560	4.29	.16	2.89	1093	1	.04	30	.16	14	.07	<2	<2	133	9	.01	<5	81	98	1
284221	.9	1.93	18	6	21	<10	3.32	<1	11	40	6978	3.22	.14	1.15	691	2	.03	17	.13	10	.79	2	<2	210	7	.04	<5	69	62	2
284222	.1	2.18	6	6	62	<10	2.22	<1	20	30	204	4.81	.13	1.00	573	3	.08	24	.17	9	.04	<2	<2	130	8	.03	<5	153	72	1
284223	.2	.99	11	<5	28	<10	7.15	<1	16	14	97	3.64	.21	1.38	2340	1	.03	16	.14	8	.11	8	<2	121	6	.02	<5	59	127	1
284224	.2	1.90	15	6	31	<10	5.02	<1	23	17	388	4.86	.19	.43	1010	3	.05	21	.18	8	.04	<2	<2	144	9	.02	<5	91	116	1
284225	.1	.76	6	<5	21	<10	10.88	<1	10	21	68	2.14	.29	.24	3365	1	.03	8	.14	5	.09	<2	<2	145	5	.01	<5	57	95	1
284226	.3	3.60	5	8	**1000**	<10	3.61	<1	42	80	185	5.71	.31	1.32	1050	2	.17	56	.24	10	.12	<2	<2	452	11	.07	<5	78	109	1
284227	.1	1.96	23	<5	41	<10	2.28	<1	16	32	1306	2.71	.06	1.93	923	1	.03	21	.19	13	.12	<2	<2	84	6	.08	<5	88	68	1
284228	.7	1.83	10	7	82	<10	2.30	<1	11	40	4612	3.34	.07	.81	366	2	.06	16	.19	2	.46	<2	<2	79	8	.10	<5	133	27	1
284229	.1	2.24	25	<5	9	<10	2.29	<1	20	31	2353	2.22	.03	1.90	702	3	.04	26	.18	5	.25	3	<2	108	6	.13	<5	83	64	1
284230	.2	1.72	8	7	366	<10	2.22	<1	11	15	754	1.68	.05	1.44	548	1	.05	17	.20	6	.09	<2	<2	83	5	.09	<5	66	44	1
284231	.5	2.28	9	<5	12	<10	2.22	<1	20	29	4456	2.78	.06	2.03	746	2	.02	25	.18	5	.38	<2	<2	124	6	.08	<5	64	59	3
284232	.2	2.14	21	<5	21	<10	2.38	<1	17	22	2362	2.90	.04	1.88	698	1	.04	19	.22	3	.22	3	<2	70	5	.09	<5	94	51	1
284233	.4	1.96	10	<5	15	<10	2.09	<1	15	23	677	2.26	.03	1.63	580	2	.02	23	.21	7	.05	<2	<2	98	6	.08	<5	75	45	1
284234	.1	1.86	6	<5	6	<10	2.26	<1	15	31	1901	2.10	.01	1.69	628	1	.02	24	.17	2	.18	3	<2	91	7	.09	<5	61	52	1
284235	2.1	1.77	20	<5	18	<10	2.74	<1	11	21	379	2.01	.06	1.58	637	2	.04	18	.20	3	.04	<2	<2	70	5	.08	<5	91	35	1
284236	.2	2.21	25	<5	8	<10	2.27	<1	16	33	72	2.16	.02	1.72	579	1	.02	25	.17	5	.01	<2	<2	159	6	.10	<5	57	48	1
284237	8.0	2.02	<5	<5	23	<10	2.75	<1	10	55	**>10000**	7.14	.01	1.70	628	2	.01	30	.10	2	3.84	<2	<2	120	5	.01	<5	52	54	5
284238	.1	1.95	12	<5	21	<10	2.94	<1	15	21	434	2.28	.04	1.78	661	1	.02	26	.17	10	.04	3	<2	120	6	.07	<5	69	47	1
284239	.2	1.64	14	9	26	<10	1.96	<1	11	26	406	2.61	.05	1.08	402	1	.05	17	.20	3	.04	<2	<2	76	6	.10	<5	117	27	1
284240	.1	2.50	6	15	44	<10	2.78	<1	18	29	1453	3.79	.03	1.35	569	3	.04	22	.22	2	.15	<2	<2	96	10	.09	<5	159	39	1
284241	.2	1.76	27	11	75	<10	1.74	<1	12	34	1233	3.05	.05	.96	339	2	.06	17	.19	6	.13	<2	<2	65	11	.11	<5	134	25	1
284242	.1	1.30	7	<5	10	<10	3.18	<1	7	30	175	1.30	.02	.93	409	1	.02	19	.16	3	.02	<2	<2	148	5	.10	<5	77	37	1
284243	.2	1.64	6	<5	469	<10	1.35	<1	17	76	847	4.46	.35	1.12	232	6	.09	24	.17	5	.20	<2	<2	163	10	.21	<5	215	35	1
284244	.2	1.47	8	8	399	<10	2.38	<1	6	18	6503	1.68	.06	.69	247	10	.07	11	.17	14	.69	<2	<2	241	6	.09	<5	75	13	1

CLIENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
284245	.2	1.65	6	<5	8	<10	2.82	<1	9	33	931	1.42	.02	.84	324	3	.04	14	.18	6	.11	<2	<2	99	6	.08	<5	62	16	21
284246	.1	2.07	31	<5	118	<10	5.80	<1	14	28	220	2.97	.12	1.43	648	2	.03	20	.14	7	.02	3	<2	123	7	.01	<5	85	40	1
284247	.2	2.49	7	6	59	<10	5.86	<1	16	32	249	3.35	.15	1.43	573	3	.02	16	.14	3	.03	<2	<2	129	5	.02	<5	82	43	2
284248	.1	1.32	23	<5	18	<10	1.71	<1	11	33	1309	2.19	.06	1.26	534	5	.04	16	.16	8	.12	<2	<2	36	6	.06	<5	78	44	2
284249	.6	1.62	9	<5	4	<10	2.00	<1	10	34	162	1.77	.04	1.41	570	1	.02	17	.13	22	.02	<2	<2	120	5	.07	<5	51	68	1
284250	.1	1.66	5	<5	14	<10	3.66	<1	12	32	17	2.23	.08	1.38	730	2	.05	24	.15	6	.01	<2	<2	76	6	.02	<5	73	73	1
285151	.2	1.71	9	<5	47	<10	5.83	<1	19	21	329	4.34	.09	1.01	1426	4	.03	19	.17	5	.20	<2	<2	59	8	.01	<5	129	69	2
285152	.1	1.63	6	<5	66	<10	2.99	<1	16	30	592	4.72	.07	.95	687	2	.04	20	.20	6	.02	<2	<2	48	7	.03	<5	165	50	3
285153	.1	1.44	23	<5	34	<10	1.58	<1	15	26	194	3.36	.04	.80	368	6	.03	17	.21	5	.33	<2	<2	31	7	.05	<5	135	30	2
285154	.4	1.28	18	<5	48	<10	1.46	<1	12	45	1830	3.86	.09	.61	185	4	.10	16	.23	4	.35	2	<2	40	9	.08	<5	183	21	6
285155	.2	1.54	9	6	33	<10	1.90	<1	10	28	249	2.95	.06	.80	193	5	.04	17	.20	7	.48	<2	<2	35	6	.05	<5	133	24	3
285156	.1	.97	17	<5	42	<10	1.06	<1	12	31	217	3.33	.05	.64	144	11	.05	16	.21	4	.37	<2	<2	27	7	.08	<5	151	15	4
285157	3.1	1.61	12	<5	499	<10	4.17	<1	12	29	356	3.74	.10	1.00	508	2	.04	18	.18	6	.05	<2	<2	246	8	.06	<5	157	33	5
285158	.2	1.13	6	<5	43	<10	1.25	<1	19	40	441	3.68	.07	.59	145	10	.05	15	.20	2	.44	<2	<2	31	7	.09	<5	165	21	4
285159	.4	1.05	5	<5	37	<10	1.36	<1	9	32	1079	3.19	.05	.49	171	4	.06	11	.17	3	.08	<2	<2	35	9	.07	<5	139	18	7
285160	.3	1.06	6	<5	161	<10	1.18	<1	10	29	1412	3.34	.06	.59	148	28	.04	15	.20	2	.19	<2	<2	30	8	.08	<5	142	18	8
285161	.6	1.09	5	<5	42	<10	1.10	<1	12	32	1485	3.42	.08	.82	257	847	.05	16	.20	3	.14	<2	<2	26	6	.10	<5	138	34	10
285162	.8	1.04	21	<5	64	<10	1.24	<1	14	55	1751	4.63	.13	.82	210	53	.07	21	.23	6	.10	<2	<2	30	12	.13	<5	233	35	13
285163	.1	1.29	6	<5	69	<10	4.88	<1	10	25	419	2.72	.08	.47	505	16	.09	14	.19	3	.03	<2	<2	80	5	.03	<5	134	29	2
285164	2.3	1.44	20	7	26	<10	1.39	<1	22	32	**>10000**	5.19	.07	.78	237	14	.05	20	.19	2	2.38	<2	<2	25	10	.10	<5	137	26	10
285165	.6	1.31	26	<5	124	<10	1.14	<1	14	24	1238	3.79	.12	.95	263	80	.06	12	.20	4	.08	<2	<2	29	8	.10	<5	164	36	8
285166	.6	1.22	26	<5	113	<10	1.58	<1	11	29	2815	3.71	.08	.78	219	47	.05	11	.20	3	.22	<2	<2	43	9	.09	<5	165	24	13
285167	.9	1.30	22	<5	105	<10	1.78	<1	10	18	2587	3.98	.09	.71	242	10	.06	10	.18	4	.25	4	<2	50	7	.06	<5	174	28	23
285168	.1	3.24	99	<5	278	<10	3.05	<1	24	94	145	4.65	.42	2.99	668	16	.19	84	.20	9	.50	<2	<2	163	7	.12	<5	140	72	1
285169	.3	1.38	12	<5	66	<10	1.43	<1	12	29	1602	4.19	.07	.81	235	14	.05	13	.23	4	.09	<2	<2	28	9	.10	<5	189	28	5
285170	.6	1.37	5	<5	136	11	1.60	<1	11	26	2414	4.10	.09	.84	200	24	.04	13	.23	3	.29	<2	<2	29	8	.14	<5	186	31	14
285171	.7	2.36	17	<5	100	<10	3.94	<1	19	25	2322	5.28	.08	1.46	799	13	.06	17	.26	17	.16	<2	<2	86	13	.07	<5	207	157	9
285172	.3	1.61	23	<5	472	<10	2.14	<1	16	29	1356	4.64	.11	1.13	435	4	.07	16	.24	5	.15	2	<2	79	10	.09	<5	198	43	18
285173	.9	1.85	6	<5	73	<10	2.98	<1	14	19	4826	4.04	.06	1.13	351	37	.04	15	.20	2	.53	<2	<2	61	9	.07	<5	148	32	16
285174	.6	1.62	5	<5	109	<10	2.68	<1	12	26	1652	4.54	.09	.90	324	2	.06	13	.23	3	.08	<2	<2	63	12	.09	<5	204	24	11
285175	.1	2.37	11	<5	36	<10	2.51	<1	13	21	1009	4.34	.06	1.06	368	7	.04	14	.24	5	.11	3	<2	55	11	.07	<5	187	30	9
285176	.4	1.14	29	<5	147	<10	1.33	<1	12	22	1383	3.79	.10	.70	194	11	.05	11	.25	2	.08	<2	<2	29	6	.10	<5	179	25	8
285177	.3	1.31	7	<5	48	<10	1.39	<1	10	19	739	3.68	.06	.76	208	18	.06	11	.23	5	.22	<2	<2	27	12	.09	<5	168	22	1
285178	.7	2.65	18	8	54	<10	3.23	<1	33	20	3086	5.34	.05	1.32	489	12	.04	16	.22	4	3.20	<2	<2	55	13	.08	<5	133	34	7
285179	.3	1.50	15	<5	114	<10	1.44	<1	11	23	881	4.39	.06	.84	238	4	.05	11	.24	2	.52	<2	<2	65	9	.07	<5	181	22	4
285180	.2	1.67	17	8	46	<10	2.04	<1	30	12	716	2.13	.07	.71	203	1	.06	11	.25	7	1.46	<2	<2	34	5	.08	<5	64	18	1
285181	.3	1.61	5	7	396	<10	1.68	<1	21	20	800	4.20	.05	.76	282	11	.05	12	.25	3	.71	<2	<2	35	7	.07	<5	165	22	3
285182	.6	1.96	7	7	69	<10	2.29	<1	91	19	714	5.16	.04	1.06	327	12	.04	16	.26	4	3.56	<2	<2	43	6	.06	<5	117	24	4
285183	.3	1.43	19	7	169	<10	1.58	<1	17	18	1186	3.37	.05	.60	259	2	.04	10	.24	4	.65	<2	<2	32	8	.07	<5	143	21	3
285184	.2	2.02	17	<5	140	<10	4.59	<1	15	29	183	3.47	.12	1.28	589	1	.06	19	.15	5	.02	<2	<2	125	6	.06	<5	124	40	2
285185	.2	2.58	5	<5	20	<10	2.46	<1	15	13	289	3.40	.05	1.33	374	7	.04	16	.16	4	.76	<2	<2	47	6	.04	<5	108	24	1
285186	.1	1.48	24	<5	165	<10	1.55	<1	12	20	273	3.78	.04	.92	293	2	.05	15	.20	2	.04	<2	<2	47	7	.06	<5	165	23	1
285187	.3	2.05	8	<5	99	<10	1.78	<1	20	29	2055	4.37	.06	1.16	345	100	.04	18	.18	5	.36	<2	<2	35	8	.09	<5	169	34	3
285188	.1	1.90	15	<5	47	<10	1.93	<1	10	18	143	3.72	.04	.79	248	11	.05	13	.20	6	.05	<2	<2	46	9	.05	<5	163	28	2
285189	.2	2.69	5	5	26	<10	2.78	<1	15	17	146	3.50	.05	1.23	363	6	.04	13	.17	4	.47	<2	<2	52	5	.04	<5	114	31	1

ENT - SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
285190	.1	2.27	12	<5	41	<10	1.97	<1	16	21	608	4.00	.04	1.38	359	65	.05	18	.22	3	.67	<2	<2	41	12	.06	<5	159	34	1
285191	.6	2.09	22	<5	24	<10	2.76	<1	98	20	492	8.19	.05	.99	250	16	.03	30	.19	11	8.31	<2	<2	50	14	.05	<5	72	25	1
285192	.1	2.65	30	11	221	<10	3.47	<1	7	18	102	1.62	.04	.85	233	5	.04	10	.21	5	.77	<2	<2	47	5	.06	<5	85	19	1
285193	.4	1.31	9	5	24	<10	1.49	<1	78	17	93	8.53	.05	.77	207	19	.03	20	.19	10	8.86	<2	<2	26	17	.05	<5	48	18	1
285194	.3	1.50	8	<5	70	<10	2.10	<1	14	19	539	3.49	.04	.98	253	5	.02	17	.22	7	2.65	3	<2	36	7	.06	<5	103	22	3
285195	.2	1.33	30	<5	335	<10	1.39	<1	14	23	1397	3.27	.03	.68	193	35	.04	14	.21	8	.63	<2	<2	43	12	.04	<5	114	17	2
285196	.1	1.27	6	<5	56	<10	1.21	<1	10	31	1195	3.33	.02	.60	162	18	.05	12	.20	5	.26	<2	<2	32	6	.05	<5	129	15	1
285197	.3	1.20	9	<5	59	<10	1.27	<1	13	22	537	3.50	.04	.53	167	18	.04	12	.21	5	.69	<2	<2	32	6	.04	<5	127	14	1
285198	.1	2.59	6	<5	33	<10	4.04	<1	12	17	960	2.50	.03	.70	399	2	.05	14	.13	6	.48	<2	<2	62	5	.03	<5	85	32	1
285199	.2	1.23	14	<5	28	<10	1.27	<1	11	25	309	3.65	.05	.63	190	3	.04	11	.21	5	.41	<2	<2	28	6	.06	<5	155	18	1
285200	.3	1.94	10	6	20	<10	1.90	<1	20	67	332	4.75	.06	1.33	419	2	.03	24	.19	7	.98	<2	<2	25	9	.14	<5	195	44	1
285201	.2	1.74	6	6	21	<10	1.74	<1	22	41	329	3.88	.04	1.05	258	18	.02	19	.14	4	2.56	2	<2	25	7	.07	<5	85	22	1
285202	.2	1.48	30	6	53	<10	2.70	<1	61	39	312	4.49	.05	1.07	368	2	.04	22	.20	6	3.38	<2	<2	35	9	.07	<5	96	26	1
285203	.1	1.32	31	7	49	<10	2.10	<1	66	17	1202	3.28	.06	.58	183	7	.05	14	.20	5	2.84	<2	<2	42	7	.06	<5	59	17	1
285204	.2	1.60	32	<5	12	<10	4.64	<1	45	17	522	3.83	.07	1.10	460	14	.04	22	.21	7	1.10	5	<2	58	9	.03	<5	112	42	2
285205	.1	1.67	22	<5	21	<10	2.35	<1	17	15	365	4.62	.08	.95	262	4	.06	17	.22	6	.08	5	<2	56	11	.01	<5	130	39	2
285206	.2	.72	37	<5	33	<10	5.32	<1	17	18	405	4.42	.11	1.74	682	2	.03	18	.13	4	.09	12	<2	83	8	.02	<5	140	46	1
285207	.1	.68	97	<5	16	<10	7.11	<1	15	26	397	4.32	.10	1.78	706	5	.02	15	.09	4	.22	51	<2	90	12	.01	<5	113	70	1
285208	.2	1.86	12	11	24	<10	2.46	<1	41	21	698	3.63	.08	.93	313	20	.06	15	.19	8	1.39	<2	<2	51	7	.05	<5	127	22	1

PIONEER LABORATORIES INC. #103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5 TELEPHONE (604) 231-8165

GEOCHEMICAL ANALYSIS CERTIFICATE

SNL ENTERPRISES LTD.
Project: Logan Copper
Sample Type: Cores

Multi-element ICP Analysis - 0.500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with water. This leach is partial for B, Ba, Cr, Fe, Mg, Mn, Na, P, S, Sn, Ti and limited for Na, K and Al. *Au Analysis- 20 gram sample is digested with aqua regia, MIBK extracted, and is finished by AA or graphite furnace AA.

Analyst RSam
Report No. 2092379
Date: September 04, 2009

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
285209	.4	1.07	13	5	50	<10	1.18	<1	12	35	225	3.67	.07	.73	202	3	.06	16	.15	7	.03	<2	<2	28	10	0.09	<5	161	77	1
285210	.1	1.37	20	6	62	<10	1.78	<1	10	29	272	3.07	.13	.63	184	2	.04	12	.13	9	.01	<2	<2	27	7	0.12	<5	134	87	2
285211	.2	2.29	<5	<5	23	<10	2.81	<1	27	34	721	4.12	.15	2.20	1667	1	.02	24	.11	12	.05	<2	<2	51	6	0.02	<5	110	121	1
285212	.6	2.24	31	<5	35	<10	2.77	<1	24	42	585	4.87	.14	2.23	1528	1	.03	25	.12	11	.04	<2	<2	37	9	0.03	<5	144	109	2
285213	.4	1.51	<5	<5	28	<10	2.07	<1	18	25	223	3.76	.12	1.59	1011	2	.01	18	.11	10	.02	<2	<2	31	7	0.08	<5	136	102	3
285214	.7	2.74	14	<5	13	<10	1.65	<1	34	35	2583	4.42	.13	2.57	1490	2	.02	24	.09	14	.17	5	<2	55	8	0.05	<5	89	119	1
285215	.5	2.23	13	<5	23	<10	2.48	<1	27	28	1161	4.14	.16	2.17	1463	1	.01	21	.13	13	.08	<2	<2	36	7	0.03	<5	105	115	1
285216	.3	2.28	<5	<5	55	<10	2.79	<1	26	31	922	4.35	.20	2.19	1454	2	.03	24	.12	14	.07	<2	<2	42	9	0.01	<5	114	137	2
285217	.2	1.79	7	<5	440	<10	3.83	<1	19	25	389	3.90	.14	1.50	1246	1	.02	19	.11	8	.03	<2	<2	56	8	0.02	<5	123	94	1
285218	.4	1.91	5	<5	24	<10	2.78	<1	18	24	160	4.41	.16	1.63	940	2	.03	24	.13	12	.01	<2	<2	47	10	0.01	<5	130	106	2
285219	.7	1.23	6	<5	401	<10	1.39	<1	14	30	254	3.67	.10	1.26	531	1	.05	15	.11	13	.02	<2	<2	34	8	0.09	<5	138	99	1
285220	.4	1.24	15	<5	541	<10	1.40	<1	12	29	186	3.57	.09	1.29	558	2	.04	14	.12	9	.03	<2	<2	40	6	0.08	<5	134	85	2
285221	.2	1.23	23	5	77	<10	1.38	<1	13	26	88	3.56	.10	1.32	520	1	.03	17	.11	11	.01	<2	<2	26	7	0.09	<5	133	100	3
285222	.3	1.60	22	<5	26	<10	2.49	<1	16	30	95	4.39	.15	1.50	686	2	.04	20	.12	8	.02	<2	<2	41	8	0.06	<5	149	97	1
285223	.4	1.67	9	6	23	<10	2.26	<1	17	24	328	4.44	.16	1.46	546	3	.03	17	.15	12	.09	<2	<2	42	12	0.04	<5	152	80	1
285224	1.1	1.93	51	<5	131	<10	4.57	1	21	35	1137	5.25	.37	1.85	834	15	.10	27	.16	22	1.42	<2	<2	135	7	0.03	<5	133	124	147
285225	.1	3.00	<5	<5	31	<10	2.35	<1	5	26	49	2.33	.09	.35	148	2	.34	5	.07	12	.02	3	<2	70	<5	0.06	<5	182	78	1
285226	.3	1.96	<5	6	59	<10	3.41	<1	18	22	129	4.46	.20	1.56	776	1	.03	25	.12	10	.03	<2	<2	60	13	0.01	<5	119	103	1
285227	.2	1.36	<5	<5	16	<10	3.13	<1	20	16	127	4.31	.19	1.33	594	2	.01	22	.11	11	.02	<2	<2	65	11	0.02	<5	87	99	2
285228	.5	1.16	15	<5	59	<10	5.43	<1	21	15	326	4.18	.23	1.31	1199	1	.02	21	.12	132	.04	<2	<2	96	8	0.01	<5	83	119	1
285229	.5	1.09	5	<5	37	<10	6.68	<1	17	22	280	3.07	.22	1.22	1742	3	.01	22	.07	11	.03	3	<2	89	<5	0.02	<5	85	121	2
285230	.1	.96	<5	<5	29	<10	6.06	<1	16	11	813	3.28	.23	.76	1250	2	.01	18	.13	10	.08	<2	<2	79	<5	0.01	<5	98	131	3
285231	.7	.65	15	7	968	<10	4.43	<1	18	15	986	3.64	.26	1.21	1725	1	.02	17	.11	12	.12	3	<2	90	<5	0.02	<5	67	120	1
285232	18.8	.47	41	<5	662	<10	3.56	2	12	18	885	2.16	.34	1.24	1290	2	.02	10	.12	9	.08	78	<2	76	<5	0.01	<5	28	147	1
285233	1.1	1.38	6	5	51	<10	4.63	<1	20	22	1009	3.38	.26	1.33	1596	1	.01	18	.10	15	.09	<2	<2	59	6	0.02	<5	73	120	1
285234	.4	1.40	<5	<5	35	<10	4.97	<1	22	24	433	3.71	.25	1.41	1626	2	.01	20	.11	12	.04	<2	<2	64	7	0.01	<5	83	125	1
285235	.6	1.51	9	5	18	<10	4.87	<1	21	20	850	3.50	.20	1.35	1536	1	.02	19	.10	11	.07	<2	<2	55	5	0.02	<5	76	133	2
285236	.3	2.05	<5	<5	69	<10	4.21	<1	22	26	271	3.88	.23	1.79	1518	2	.01	23	.09	14	.02	2	<2	67	6	0.01	<5	81	120	1
285237	1.4	1.75	22	<5	158	<10	3.73	<1	20	27	322	3.56	.24	1.59	1486	1	.02	21	.10	15	.01	<2	<2	72	7	0.01	<5	63	109	2
285238	1.3	1.93	<5	<5	189	<10	4.11	<1	24	31	230	4.08	.25	1.94	1668	2	.01	25	.09	16	.02	5	<2	81	5	0.02	<5	64	110	1
285239	1.0	1.51	13	6	19	<10	3.89	<1	18	20	274	3.71	.30	.98	1190	1	.02	19	.11	8	.01	<2	<2	86	<5	0.02	<5	81	107	2
285240	1.1	2.01	<5	<5	270	<10	4.61	<1	23	26	547	3.82	.22	1.83	1521	2	.01	25	.10	14	.06	7	<2	71	9	0.01	<5	102	126	4
285241	1.0	1.79	51	<5	126	<10	4.23	1	19	33	1080	4.93	.34	1.73	782	16	.09	26	.15	18	1.34	<2	<2	127	10	0.03	<5	123	123	148
285242	.1	2.85	13	<5	92	<10	1.30	<1	9	29	45	3.44	.11	.33	150	3	.33	5	.09	12	.02	<2	<2	153	7	0.05	<5	203	74	1
285243	2.0	.87	8	6	61	<10	3.02	<1	10	11	372	1.82	.41	.95	1445	1	.02	11	.12	13	.04	9	<2	81	<5	0.02	<5	56	118	2

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
285244	.8	.88	8	<5	20	<10	3.11	<1	13	13	371	2.82	.23	1.14	1315	2	.01	15	.10	12	.03	<2	<2	123	<5	0.01	<5	76	107	6
285245	.1	1.55	<5	6	34	<10	1.25	<1	17	20	82	4.23	.13	1.32	700	1	.03	18	.09	8	.01	<2	<2	75	9	0.02	<5	115	103	2
285246	.3	1.49	12	5	36	<10	1.73	<1	26	21	175	4.05	.11	1.39	888	2	.02	19	.10	11	.05	<2	<2	71	8	0.02	<5	109	106	1
285247	1.1	1.87	11	<5	27	<10	1.75	<1	22	20	278	4.64	.15	1.51	962	1	.02	24	.08	10	.03	<2	<2	107	9	0.01	<5	97	132	2
285248	5.2	1.61	31	6	292	<10	2.98	2	19	16	3224	4.00	.20	1.35	1399	3	.01	19	.09	15	.59	57	<2	92	6	0.02	<5	72	134	2
285249	.5	2.18	<5	<5	35	<10	2.83	<1	18	17	236	3.88	.17	2.07	1569	2	.02	20	.14	10	.02	<2	<2	66	<5	0.01	<5	91	136	1
285250	.3	1.42	6	<5	29	<10	2.66	<1	14	14	183	3.56	.24	1.22	1331	1	.01	16	.13	16	.03	4	<2	70	6	0.02	<5	95	125	1
287051	.7	.61	<5	<5	751	<10	4.27	<1	16	12	372	3.85	.23	2.70	1644	2	.03	15	.09	15	.06	2	<2	107	<5	0.01	<5	74	120	2
287052	.1	1.63	32	6	19	<10	2.82	<1	19	14	163	4.06	.19	1.11	1121	1	.02	25	.13	11	.02	<2	<2	85	6	0.02	<5	86	131	1
287053	.3	1.70	10	8	27	<10	3.02	<1	17	16	138	4.29	.18	1.14	1271	2	.03	24	.10	12	.01	2	<2	91	10	0.01	<5	101	111	1
287054	.2	2.07	<5	<5	22	<10	1.84	<1	14	19	228	3.97	.13	2.10	1171	1	.02	25	.11	14	.02	<2	<2	59	<5	0.01	<5	103	122	1
287055	.1	1.95	<5	<5	12	<10	2.39	<1	15	23	77	3.57	.08	2.11	1231	2	.03	24	.10	20	.15	<2	<2	80	<5	0.02	<5	94	139	1
287056	.3	1.52	<5	6	142	<10	1.18	<1	17	22	229	4.72	.12	1.35	563	3	.04	20	.11	11	.03	<2	<2	59	10	0.05	<5	133	103	2
287057	.2	1.35	<5	5	1000	<10	3.17	<1	18	15	73	4.07	.14	1.72	1401	1	.03	25	.10	14	.07	<2	<2	173	9	0.01	<5	83	139	1
287058	1.2	1.83	44	<5	144	<10	2.60	<1	19	34	1090	5.57	.35	1.75	792	14	.09	26	.15	18	1.35	<2	<2	128	8	0.03	<5	137	111	135
287059	.1	2.42	<5	<5	46	<10	1.22	<1	7	27	50	3.25	.09	.32	148	5	.27	4	.08	9	.01	<2	<2	78	6	0.05	<5	196	81	1
287060	.4	.58	<5	<5	21	<10	3.20	<1	14	14	280	2.91	.27	1.58	1679	3	.03	16	.11	13	.04	3	<2	104	<5	0.01	<5	47	153	2
287061	.7	.63	8	5	25	<10	2.59	<1	16	24	219	3.27	.26	1.09	1686	2	.02	22	.12	11	.02	<2	<2	71	<5	0.02	<5	72	150	1
287062	.8	.68	<5	<5	61	<10	3.32	<1	13	36	493	3.38	.28	1.02	1832	2	.03	18	.10	9	.05	2	<2	77	8	0.01	<5	95	140	1
287063	.3	1.40	<5	<5	140	<10	3.28	<1	18	23	264	3.75	.24	1.27	1896	1	.02	21	.11	8	.04	<2	<2	65	7	0.01	<5	96	150	2
287064	.6	1.72	31	<5	442	<10	2.18	<1	29	54	3002	4.41	.23	2.21	1898	4	.01	27	.12	11	.36	<2	<2	72	<5	0.02	<5	73	102	1
287065	.5	1.73	17	<5	1454	<10	3.02	<1	23	40	587	4.18	.21	1.72	1972	3	.02	24	.11	9	.08	<2	<2	68	10	0.01	<5	90	93	2
287066	.3	2.05	20	<5	124	<10	2.84	<1	24	35	1164	4.51	.17	1.95	1943	2	.01	23	.10	11	.11	<2	<2	47	9	0.01	<5	110	109	1
287067	.4	2.19	9	<5	29	<10	2.30	<1	25	43	951	5.20	.18	2.05	1847	2	.02	28	.11	15	.09	<2	<2	45	7	0.02	<5	143	105	1
287068	.7	2.30	19	5	23	<10	2.43	<1	24	26	403	4.74	.24	2.03	1789	2	.01	24	.10	11	.03	<2	<2	62	5	0.01	<5	101	94	1
287069	1.5	1.76	<5	<5	92	<10	2.69	<1	23	23	919	4.34	.26	1.57	2015	2	.02	23	.11	14	.09	<2	<2	64	6	0.02	<5	90	112	1
287070	2.2	1.76	25	<5	58	<10	3.14	<1	22	25	1642	4.48	.22	1.58	2178	1	.01	21	.12	13	.15	16	<2	61	<5	0.01	<5	94	109	2
287071	.6	2.09	24	<5	76	<10	2.62	<1	26	24	1034	5.00	.20	1.98	2149	1	.02	24	.10	14	.09	<2	<2	60	5	0.02	<5	106	114	1
287072	.7	1.04	14	<5	21	<10	3.15	<1	24	22	1448	4.88	.21	1.93	2146	1	.03	22	.11	8	.12	<2	<2	96	6	0.01	<5	102	161	2
287073	1.3	.66	27	<5	66	<10	2.61	<1	19	20	1505	3.79	.23	1.04	1844	1	.02	19	.10	13	.13	5	<2	73	<5	0.02	<5	61	85	1
287074	1.9	.74	9	6	262	<10	4.23	<1	16	12	1385	3.20	.31	.62	2118	2	.01	15	.11	9	.12	<2	<2	91	6	0.01	<5	36	79	1
287075	1.1	1.80	65	5	127	<10	2.52	<1	18	34	1073	5.50	.35	1.73	783	16	.10	26	.15	19	1.34	<2	<2	127	<5	0.03	<5	136	120	145
287076	.2	1.94	<5	<5	45	<10	.91	<1	5	30	35	2.90	.11	.50	204	2	.16	5	.07	10	.01	<2	<2	52	<5	0.07	<5	144	21	1
287077	1.2	.57	12	<5	396	<10	4.94	<1	16	12	1171	3.46	.28	.71	2411	2	.02	13	.10	9	.12	5	<2	101	<5	0.01	<5	29	85	12
287078	1.6	.42	<5	<5	2383	<10	2.61	<1	15	11	289	3.39	.27	1.07	1441	2	.03	12	.08	12	.08	16	<2	116	6	0.02	<5	47	65	1
287079	3.1	.35	13	6	1902	<10	2.44	1	13	14	467	3.07	.28	.85	1288	2	.02	14	.05	11	.11	17	<2	83	<5	0.01	<5	35	85	2
287080	3.0	.37	16	5	996	<10	3.06	<1	15	13	537	3.45	.29	1.09	1681	1	.03	21	.09	17	.08	3	<2	121	6	0.02	<5	50	84	1
287081	1.1	.54	28	7	1544	<10	4.73	<1	13	12	564	3.32	.38	.63	1556	2	.02	16	.10	16	.17	<2	<2	133	<5	0.01	<5	37	200	1
287082	1.6	.75	32	6	120	<10	4.59	<1	14	13	339	2.99	.33	.71	1324	1	.04	14	.08	13	.07	8	<2	120	5	0.02	<5	42	128	2
287083	.3	.53	<5	5	29	<10	4.52	<1	18	21	232	4.66	.35	.85	1705	2	.03	22	.07	9	.03	<2	<2	91	9	0.01	<5	69	156	1

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287084	.2	.60	25	6	23	<10	4.27	<1	23	24	224	4.74	.31	1.09	1629	1	.02	21	.09	13	.05	<2	<2	106	7	0.01	<5	88	197	1
287085	.3	.62	28	5	22	<10	5.12	<1	19	19	342	4.20	.32	.88	1725	2	.03	20	.08	12	.04	<2	<2	100	<5	0.01	<5	79	130	1
287086	.1	.69	16	5	25	<10	4.19	<1	18	14	453	4.10	.31	.82	1532	1	.01	23	.10	11	.05	<2	<2	88	8	0.02	<5	74	185	2
287087	1.3	.49	<5	6	43	<10	6.21	4	13	15	740	3.23	.30	.55	2036	2	.02	12	.08	24	.13	12	<2	85	<5	0.01	<5	40	608	1
287088	6.7	.41	125	5	59	<10	4.66	12	8	11	733	2.08	.27	.31	1457	3	.01	8	.09	32	.26	73	<2	68	<5	0.02	<5	24	1286	1
287089	3.7	.43	61	5	85	<10	6.25	5	6	13	422	1.40	.29	.19	1658	2	.02	6	.10	40	.12	41	<2	74	<5	0.01	<5	25	633	1
287090	6.6	.45	96	6	307	<10	6.68	4	5	15	1008	1.71	.28	.20	1604	3	.01	5	.09	92	.10	124	<2	84	<5	0.02	<5	48	554	2
287091	2.1	.72	33	<5	354	<10	6.32	2	10	16	770	2.38	.27	.35	1683	2	.02	12	.11	128	.11	50	<2	74	<5	0.01	<5	57	378	1
287092	1.2	1.81	56	<5	137	<10	4.05	1	19	34	1050	4.96	.36	1.73	786	14	.09	27	.15	21	1.33	4	<2	126	14	0.03	<5	125	120	135
287093	.1	2.13	17	<5	38	<10	1.55	<1	6	28	32	2.60	.11	.51	219	1	.21	5	.07	11	.01	<2	<2	46	6	0.08	<5	130	28	1
287094	1.8	.63	20	5	1104	<10	5.11	<1	7	17	1232	1.63	.30	.19	1095	5	.02	6	.09	73	.17	20	<2	74	<5	0.01	<5	36	180	1
287095	5.0	.52	33	6	325	<10	4.52	3	5	15	1448	1.13	.27	.15	1040	2	.01	5	.07	87	.16	51	<2	65	<5	0.02	<5	17	215	1
287096	1.4	.63	<5	5	33	<10	4.08	1	6	16	1128	1.44	.28	.22	1112	3	.02	6	.08	32	.13	11	<2	57	<5	0.01	<5	24	189	2
287097	.1	.66	<5	6	114	<10	5.74	<1	8	15	580	1.82	.29	.30	1806	2	.01	7	.09	18	.08	3	<2	70	<5	0.02	<5	31	165	1
287098	7.1	.30	85	<5	557	<10	3.03	3	7	20	1005	1.25	.27	.24	1024	3	.02	4	.08	43	.32	132	<2	61	<5	0.01	<5	11	215	1
287099	3.3	.48	58	5	456	<10	3.81	5	10	15	812	2.22	.30	.81	1726	4	.03	8	.09	85	.37	42	<2	98	<5	0.02	<5	20	455	3
287100	15.8	.57	53	6	99	<10	4.91	13	9	14	1605	2.05	.28	.28	1617	7	.02	7	.10	132	.60	53	<2	73	<5	0.01	<5	22	1500	2
287101	.9	.90	13	5	463	<10	5.08	2	11	18	586	2.32	.30	.44	1810	5	.01	10	.09	103	.39	9	<2	75	<5	0.01	<5	31	386	4
287102	1.7	.59	54	6	245	<10	3.63	1	9	14	694	1.77	.27	.45	1354	7	.02	7	.07	46	.56	15	<2	79	<5	0.01	<5	21	243	2
287103	2.5	1.82	72	5	21	<10	2.30	<1	24	21	1682	5.11	.26	1.42	2712	14	.01	21	.08	20	.57	34	<2	57	8	0.02	<5	43	318	4
287104	1.7	2.57	41	6	16	<10	2.62	<1	27	24	3527	5.87	.24	1.74	2749	10	.02	25	.06	24	.61	21	<2	49	12	0.01	<5	55	287	1
287105	1.6	2.65	65	<5	23	<10	1.59	<1	24	21	5750	5.54	.25	1.69	2267	12	.01	19	.08	14	.72	43	<2	40	9	0.02	<5	47	285	1
287106	1.8	3.18	48	7	19	<10	1.54	<1	26	22	1969	6.47	.23	1.91	2281	11	.02	16	.09	15	.43	23	<2	47	10	0.01	<5	51	304	2
287107	.8	2.66	22	<5	29	<10	2.22	<1	22	23	1824	5.20	.24	1.73	2588	5	.01	15	.07	14	.47	6	<2	44	<5	0.02	<5	47	263	1
287108	3.2	1.98	52	<5	95	<10	.82	1	15	55	3188	4.58	.19	.93	744	38	.06	130	.08	97	.85	4	<2	36	10	0.10	<5	57	344	289
287109	.1	2.40	<5	<5	36	<10	1.79	<1	6	33	44	2.66	.10	.53	226	1	.21	7	.06	4	.01	<2	<2	47	7	0.09	<5	136	25	1
287110	1.2	2.37	40	5	16	<10	2.64	<1	24	35	2550	5.23	.23	1.58	2181	6	.02	25	.08	23	1.37	4	<2	50	11	0.01	<5	88	244	1
287111	.6	2.81	<5	<5	15	<10	3.27	<1	23	34	623	5.31	.23	1.99	2441	5	.03	24	.07	18	.58	<2	<2	67	9	0.02	<5	106	253	1
287112	.5	2.50	40	<5	21	<10	4.29	3	21	28	346	4.48	.22	1.72	2792	4	.02	23	.08	22	.44	<2	<2	75	<5	0.01	<5	84	505	2
287113	.4	2.76	<5	<5	17	<10	2.03	<1	23	22	74	5.70	.20	1.64	2536	3	.01	17	.07	12	.49	<2	<2	30	9	0.01	<5	61	218	1
287114	.1	2.04	27	<5	25	<10	4.71	<1	18	24	39	3.96	.24	1.24	2054	4	.02	18	.08	19	.65	<2	<2	64	<5	0.02	<5	67	185	1
287115	.2	1.83	24	<5	30	<10	5.37	<1	15	22	65	3.38	.23	1.13	2003	2	.01	17	.09	13	.39	<2	<2	70	8	0.01	<5	68	131	1
287116	.1	1.98	50	<5	23	<10	5.14	<1	14	25	53	3.67	.22	1.14	1931	3	.02	19	.08	10	.24	<2	<2	63	<5	0.01	<5	79	140	2
287117	.2	2.03	13	<5	22	<10	4.23	<1	17	24	58	4.14	.23	1.41	2022	1	.01	21	.09	13	.34	<2	<2	60	7	0.02	<5	92	190	14
287118	.1	1.87	16	<5	18	<10	3.78	<1	15	26	66	3.94	.22	1.37	1771	2	.03	20	.08	10	.13	<2	<2	74	6	0.01	<5	94	142	10
287119	.2	1.71	11	6	198	<10	4.31	<1	16	25	112	3.75	.21	1.26	1544	3	.01	19	.09	12	.23	<2	<2	68	<5	0.02	<5	105	138	2
287120	.3	2.18	25	<5	21	<10	4.54	<1	18	22	147	4.27	.22	1.44	1986	6	.02	18	.07	14	.24	<2	<2	66	<5	0.01	<5	87	186	2
287121	.1	1.77	15	<5	22	<10	3.17	<1	17	21	163	3.81	.18	1.47	1651	2	.03	17	.08	7	.06	<2	<2	58	<5	0.01	<5	97	140	3
287122	.3	2.19	26	<5	29	<10	2.68	<1	23	22	235	4.01	.19	1.61	1713	4	.01	21	.09	10	.12	<2	<2	56	8	0.01	<5	119	164	1
287123	10.4	2.17	38	<5	24	<10	3.65	<1	22	23	62	3.81	.18	1.56	1838	5	.02	19	.08	14	.34	<2	<2	48	7	0.02	<5	113	146	1

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287124	9.9	2.06	<5	<5	24	<10	2.13	<1	20	25	116	3.90	.14	1.82	1543	4	.03	20	.09	11	.02	<2	<2	38	5	0.01	<5	128	130	1
287125	1.5	1.85	49	<5	99	<10	3.88	1	23	26	1050	4.50	.33	1.66	753	17	.09	25	.15	20	1.29	<2	<2	117	11	0.02	<5	127	126	145
287126	.2	2.39	<5	<5	34	<10	1.62	<1	6	27	35	2.30	.11	.47	210	1	.22	4	.06	8	.01	<2	<2	46	<5	0.07	<5	126	26	1
287127	.4	2.38	7	<5	25	<10	1.82	<1	23	23	226	4.24	.15	1.92	1902	2	.03	19	.10	10	.10	<2	<2	35	8	0.01	<5	120	169	1
287128	.1	2.06	13	<5	37	<10	2.00	<1	20	27	303	3.84	.16	1.53	1907	1	.02	17	.09	11	.08	<2	<2	33	<5	0.02	<5	108	146	1
287129	.8	2.23	20	<5	30	<10	1.90	<1	23	23	2667	4.60	.15	1.52	1903	5	.03	19	.08	9	.51	<2	<2	38	9	0.01	<5	114	179	2
287130	1.6	3.61	24	<5	19	<10	.97	<1	34	21	4150	7.68	.17	1.95	3255	28	.02	18	.07	15	1.28	<2	<2	27	12	0.02	<5	80	284	1
287131	1.0	3.62	28	<5	24	<10	1.32	<1	30	18	2610	7.13	.18	1.92	3240	13	.01	17	.08	14	.68	<2	<2	36	11	0.01	<5	82	291	1
287132	.3	2.02	15	<5	23	<10	3.23	<1	19	17	266	3.24	.17	1.36	1792	2	.02	18	.07	12	.11	<2	<2	49	<5	0.01	<5	79	199	1
287133	.1	2.22	14	<5	33	<10	3.67	<1	20	16	131	3.69	.19	1.59	1898	1	.01	20	.08	13	.20	<2	<2	62	6	0.02	<5	106	279	2
287134	2.2	2.93	46	<5	29	<10	.97	<1	31	21	4205	6.37	.20	1.63	2579	31	.02	16	.07	16	1.51	<2	<2	35	11	0.01	<5	71	237	13
287135	2.5	2.84	53	<5	34	<10	1.20	<1	30	25	7890	6.43	.18	1.61	2585	30	.01	14	.06	15	1.54	<2	<2	26	16	0.01	<5	67	230	6
287136	3.2	2.37	67	<5	22	<10	1.82	<1	31	17	5710	5.53	.19	1.29	2331	58	.02	15	.05	24	1.85	<2	<2	35	12	0.02	<5	49	220	9
287137	.4	2.32	22	<5	93	<10	4.38	<1	22	16	350	3.70	.27	1.39	2463	4	.03	20	.09	15	.26	<2	<2	90	<5	0.01	<5	78	205	3
287138	.1	2.30	7	<5	23	<10	3.29	<1	21	22	135	4.00	.16	1.71	1881	1	.04	22	.08	12	.04	<2	<2	98	<5	0.02	<5	133	166	1
287139	.1	2.04	<5	<5	21	<10	3.60	<1	20	21	99	3.88	.13	1.63	1712	4	.03	20	.09	10	.02	<2	<2	88	11	0.01	<5	144	145	1
287140	.2	1.77	10	<5	27	<10	2.50	<1	18	19	86	3.66	.14	1.43	1335	3	.04	18	.07	8	.01	<2	<2	79	6	0.02	<5	127	108	2
287141	.3	1.82	8	<5	52	<10	2.31	<1	17	18	74	3.54	.13	1.55	1476	1	.03	19	.08	10	.02	<2	<2	54	<5	0.01	<5	113	132	4
287142	1.1	2.01	55	<5	132	<10	4.20	1	24	28	1119	4.87	.35	1.80	819	17	.10	27	.16	18	1.40	2	<2	130	<5	0.03	<5	139	121	150
287143	.1	2.68	<5	<5	48	<10	2.04	<1	6	21	19	2.53	.10	.53	224	1	.19	4	.06	9	.01	<2	<2	59	<5	0.06	<5	198	28	1
287144	15.7	1.63	<5	<5	37	<10	2.44	<1	19	20	64	3.77	.17	1.38	1186	2	.04	19	.09	10	.02	<2	<2	67	6	0.03	<5	145	95	1
287145	.3	1.95	12	<5	30	<10	3.88	<1	20	18	84	3.74	.15	1.45	1450	1	.03	20	.08	9	.03	<2	<2	105	<5	0.01	<5	128	107	2
287146	.2	2.23	11	<5	23	<10	4.18	<1	18	16	96	3.82	.19	1.36	2106	2	.04	18	.09	12	.15	<2	<2	111	7	0.02	<5	90	166	1
287147	.3	1.99	44	<5	22	<10	3.95	<1	22	18	107	3.95	.18	1.33	2181	5	.02	19	.08	39	1.02	<2	<2	62	8	0.01	<5	88	175	2
287148	.1	2.11	34	<5	67	<10	3.34	<1	20	22	119	4.00	.17	1.54	1718	4	.04	21	.09	15	.21	2	<2	77	6	0.02	<5	134	110	3
287149	.3	1.75	<5	5	34	<10	4.59	<1	17	18	603	3.36	.20	1.17	1548	8	.02	18	.08	11	.07	<2	<2	132	7	0.01	<5	119	85	1
287150	.4	2.15	39	<5	24	<10	3.80	<1	22	20	116	3.87	.18	1.59	1786	5	.03	19	.09	25	.50	<2	<2	76	8	0.01	<5	116	139	1
287151	.1	1.77	36	<5	32	<10	4.72	<1	18	15	119	3.27	.20	1.03	1642	7	.04	18	.08	18	.27	<2	<2	119	6	0.02	<5	90	98	1
287152	.2	1.96	21	<5	23	<10	5.08	<1	20	16	107	3.49	.21	1.11	1721	4	.03	20	.09	24	.40	<2	<2	93	<5	0.01	<5	91	150	2
287153	.1	2.05	<5	<5	17	<10	2.23	<1	22	18	1080	3.87	.13	1.39	1658	2	.01	16	.08	12	.14	<2	<2	44	6	0.01	<5	88	163	1
287154	1.4	2.75	55	<5	21	<10	1.80	<1	29	17	2345	5.41	.18	1.68	2595	25	.02	18	.07	20	.84	<2	<2	33	10	0.02	<5	79	217	1
287155	1.3	2.62	42	<5	22	<10	1.49	<1	26	18	4390	5.09	.19	1.62	2323	6	.01	17	.08	15	.90	<2	<2	42	<5	0.01	<5	77	206	4
287156	5.3	1.98	22	<5	36	<10	2.74	<1	22	22	175	4.15	.18	1.44	1483	4	.03	22	.09	56	.39	<2	<2	56	9	0.02	<5	128	184	1
287157	.3	1.66	<5	<5	34	<10	1.70	<1	20	26	129	3.77	.12	1.69	976	2	.05	20	.07	10	.03	4	<2	39	8	0.14	<5	160	87	1
287158	.2	1.74	<5	<5	37	<10	2.46	<1	19	25	120	3.72	.14	1.60	1195	4	.04	19	.08	14	.20	<2	<2	48	7	0.12	<5	144	112	3
287159	2.8	1.90	57	<5	88	<10	.70	<1	16	38	3150	3.97	.16	.85	678	42	.06	120	.07	90	.78	<2	<2	31	10	0.07	<5	54	308	290
287160	.2	3.17	<5	<5	35	<10	2.05	<1	6	30	47	2.13	.09	.37	168	1	.35	4	.05	12	.01	3	<2	70	<5	0.06	<5	193	31	1
287161	.4	1.66	12	<5	99	<10	2.17	<1	20	28	92	3.73	.13	1.50	1043	2	.05	19	.09	13	.16	6	<2	43	5	0.14	<5	154	89	7
287162	.3	1.59	27	<5	20	<10	2.80	<1	15	30	111	3.60	.14	1.39	1211	3	.03	18	.08	19	.41	<2	<2	42	<5	0.09	<5	121	114	5
287163	.2	1.50	49	<5	95	<10	2.15	<1	14	26	83	3.59	.12	1.43	1163	2	.02	17	.07	60	.36	<2	<2	38	<5	0.10	<5	120	188	2

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287164	3.7	1.62	11	<5	27	<10	1.95	<1	15	30	73	3.55	.07	1.66	857	3	.04	18	.08	18	.05	8	<2	54	5	0.13	<5	133	100	1
287165	.4	1.79	<5	6	26	<10	2.26	<1	16	29	102	3.71	.08	1.78	895	2	.03	19	.07	13	.01	2	<2	68	<5	0.12	<5	137	101	2
287166	.5	1.77	20	5	29	<10	1.83	<1	17	35	144	4.22	.10	1.75	1124	7	.04	22	.09	15	.02	<2	<2	46	9	0.14	<5	161	144	1
287167	.1	1.76	21	6	36	<10	1.61	<1	15	29	97	3.53	.08	1.52	790	3	.06	19	.07	12	.01	<2	<2	65	8	0.11	<5	151	80	2
287168	.4	1.77	15	5	38	<10	1.59	<1	16	22	41	3.47	.07	1.50	756	1	.05	17	.08	11	.02	<2	<2	64	5	0.13	<5	144	78	1
287169	.1	2.22	6	<5	49	<10	2.88	<1	14	21	63	3.28	.08	1.65	1031	2	.04	19	.07	13	.01	<2	<2	77	7	0.07	<5	124	86	2
287170	.2	1.83	<5	<5	38	<10	3.04	<1	16	23	67	3.82	.15	1.58	1488	1	.03	17	.09	8	.03	<2	<2	57	<5	0.01	<5	114	121	1
287171	.1	2.12	16	7	638	<10	5.07	<1	14	17	57	2.70	.16	1.31	1395	2	.04	16	.08	13	.01	<2	<2	118	<5	0.03	<5	71	80	1
287172	.2	1.70	22	<5	41	<10	2.85	<1	13	22	81	3.46	.09	1.53	1380	1	.03	15	.07	11	.02	<2	<2	57	6	0.08	<5	122	124	1
287173	.1	1.52	<5	<5	27	<10	2.37	<1	14	26	62	3.70	.08	1.46	1413	2	.02	19	.08	10	.03	<2	<2	43	<5	0.11	<5	137	199	7
287174	.6	1.27	7	<5	39	<10	1.33	<1	15	33	67	3.74	.15	1.36	661	7	.06	18	.09	12	.05	<2	<2	42	8	0.16	<5	156	95	9
287175	.2	1.44	20	<5	31	<10	2.42	<1	14	27	62	3.63	.14	1.24	1059	2	.04	17	.08	14	.06	2	<2	50	7	0.11	<5	136	110	14
287176	1.1	1.73	60	<5	122	<10	4.00	1	19	33	1043	4.91	.33	1.70	771	14	.09	27	.15	21	1.32	3	<2	122	9	0.02	<5	132	120	150
287177	.1	2.65	<5	<5	36	<10	1.90	<1	6	28	40	2.13	.10	.45	177	2	.28	4	.05	13	.01	<2	<2	60	<5	0.08	<5	148	26	3
287178	.3	1.31	15	<5	27	<10	1.36	<1	16	32	58	3.74	.09	1.45	707	1	.06	19	.09	12	.02	<2	<2	41	7	0.15	<5	160	89	1

PIONEER LABORATORIES INC.

#103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5

TELEPHONE (604) 231-8165

GEOCHEMICAL ANALYSIS CERTIFICAT

SNL ENTERPRISES LTD.
Project: Logan Copper
Sample Type: Cores

Multi-element ICP Analysis - 0.500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with water. This leach is partial for B, Ba, Cr, Fe, Mg, Mn, Na, P, S, Sn, Ti and limited for Na, K and Al. *Au Analysis- 20 gram sample is digested with aqua regia, MIBK extracted, and is finished by AA or graphite furnace AA.

Analyst R Gilly
Report No. 2092409
Date: September 23, 2009

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287179	.5	1.04	<5	<5	122	<10	.73	<1	12	57	142	2.80	.38	.92	317	3	.05	16	.07	5	.01	4	<2	20	10	.39	<5	108	52	1
287180	.7	2.70	<5	<5	14	<10	1.29	<1	34	52	1857	4.19	.09	2.69	1407	2	.02	21	.10	2	.15	7	<2	35	<5	.03	<5	77	130	2
287181	17.2	1.72	80	<5	43	<10	6.59	4	20	40	1135	3.61	.20	1.44	1802	3	.01	16	.09	7	.10	424	<2	74	5	.01	<5	107	260	1
287182	.4	1.43	<5	<5	56	<10	5.32	<1	22	25	148	4.02	.17	.68	1199	2	.02	20	.10	5	.01	11	<2	75	6	.02	<5	110	130	2
287183	.3	1.72	<5	<5	25	<10	2.06	<1	20	33	205	4.40	.09	1.56	729	1	.05	19	.11	7	.02	5	<2	53	<5	.08	<5	139	44	1
287184	.4	1.82	<5	<5	47	<10	2.51	<1	19	34	161	4.25	.13	1.79	933	2	.03	20	.10	2	.01	8	<2	44	<5	.04	<5	132	68	3
287185	23.0	1.91	52	<5	94	<10	3.69	4	21	35	770	4.14	.17	1.72	1375	2	.02	18	.09	8	.05	312	<2	51	<5	.02	<5	115	210	2
287186	.4	1.42	<5	<5	138	<10	1.39	<1	16	40	180	3.98	.07	1.49	635	1	.05	16	.10	5	.01	8	<2	35	<5	.10	<5	138	53	6
287187	.3	1.58	<5	<5	34	<10	2.30	<1	18	32	492	4.04	.10	1.54	830	2	.03	18	.09	11	.04	5	<2	41	10	.07	<5	133	52	5
287188	12.1	1.26	8	<5	33	<10	1.52	<1	16	37	184	3.74	.09	1.28	609	1	.04	15	.10	9	.01	7	<2	33	<5	.10	<5	132	47	8
287189	.3	1.42	<5	<5	71	<10	1.17	<1	13	40	122	4.01	.08	1.49	453	2	.05	16	.11	5	.02	2	<2	32	9	.19	<5	140	33	9
287190	.2	1.50	<5	<5	111	<10	3.29	<1	16	35	175	3.85	.17	1.47	852	1	.03	17	.09	2	.01	7	<2	49	<5	.10	<5	122	68	2
287191	.3	1.51	<5	<5	76	<10	1.59	<1	15	49	213	4.31	.11	1.57	505	2	.06	15	.10	7	.04	3	<2	38	12	.17	<5	144	32	1
287192	.2	1.45	<5	<5	129	<10	1.03	<1	14	43	249	3.95	.08	1.73	469	1	.04	16	.09	5	.06	2	<2	31	<5	.18	<5	139	30	1
287193	1.2	2.30	<5	<5	29	<10	1.30	<1	31	59	2524	5.55	.10	2.44	758	2	.03	25	.08	16	1.30	7	<2	39	13	.17	<5	132	89	2
287194	3.4	2.01	62	<5	90	<10	.72	1	16	57	3182	4.63	.15	.99	744	43	.07	126	.06	119	.85	5	<2	35	<5	.16	<5	60	365	300
287195	.3	2.67	11	<5	41	<10	1.73	<1	6	40	40	2.33	.06	.42	167	2	.26	7	.05	4	.01	7	<2	65	5	.13	<5	157	14	4
287196	.4	1.60	<5	5	97	<10	1.66	<1	14	48	153	4.33	.09	1.71	729	4	.05	24	.06	11	.02	3	<2	39	<5	.15	<5	172	64	1
287197	.1	1.17	31	<5	16	<10	1.49	<1	10	28	223	3.01	.08	1.25	502	5	.03	13	.11	7	.01	4	<2	44	<5	.12	<5	105	38	1
287198	.3	1.53	<5	<5	367	<10	1.92	<1	14	33	211	3.45	.07	1.67	762	4	.04	15	.12	8	.02	2	<2	51	<5	.13	<5	117	71	6
287199	.2	1.88	<5	<5	32	<10	2.86	<1	17	31	655	3.60	.10	2.07	1175	2	.03	18	.13	7	.06	5	<2	44	<5	.12	<5	118	111	1
287200	.1	1.42	<5	<5	26	<10	2.11	<1	14	28	65	3.68	.09	1.56	765	1	.04	16	.12	9	.01	6	<2	42	<5	.13	<5	132	64	1
287201	.2	1.65	12	<5	16	<10	2.55	<1	13	25	150	3.16	.10	1.81	905	2	.03	17	.11	4	.02	7	<2	55	<5	.10	<5	103	81	2
287202	.1	1.88	9	6	25	<10	2.90	<1	17	28	155	3.71	.14	1.84	759	1	.04	19	.13	7	.01	8	<2	74	<5	.03	<5	109	72	1
287203	.1	1.76	23	<5	20	<10	5.26	<1	11	33	15	2.56	.06	1.77	1261	2	.03	20	.09	8	.02	11	<2	152	<5	.08	<5	90	70	2
287204	.2	2.11	<5	5	15	<10	3.22	<1	18	29	140	4.01	.14	2.18	951	1	.02	19	.12	9	.01	5	<2	74	<5	.01	<5	118	81	1
287205	4.8	1.84	24	6	23	<10	3.10	<1	17	25	199	3.93	.11	1.88	863	2	.04	18	.13	5	.02	4	<2	82	<5	.04	<5	119	62	5
287206	.3	1.77	<5	9	43	<10	3.14	<1	16	22	490	3.47	.12	1.83	904	1	.03	16	.12	9	.06	5	<2	79	<5	.07	<5	111	69	4
287207	.4	1.97	28	6	28	<10	3.21	<1	17	25	498	3.73	.11	2.20	1059	2	.04	18	.13	7	.06	6	<2	91	<5	.06	<5	128	89	1
287208	.3	1.50	11	8	29	<10	2.44	<1	15	26	1264	3.15	.09	1.65	721	1	.03	14	.12	8	.16	3	<2	71	6	.12	<5	114	58	2
287209	.6	1.82	19	7	23	<10	2.83	<1	16	34	1841	3.16	.13	1.97	967	2	.05	21	.10	9	.21	4	<2	72	5	.09	<5	108	89	1
287210	7.7	1.79	24	<5	31	<10	2.50	<1	15	28	98	3.79	.10	1.65	738	1	.04	17	.09	7	.01	<2	<2	74	<5	.10	<5	129	63	2
287211	1.1	2.01	59	<5	140	<10	4.32	0	23	36	1206	5.46	.31	2.05	874	17	.11	25	.14	17	1.45	9	<2	148	9	.06	<5	138	120	145
287212	.3	2.95	<5	<5	39	<10	1.81	<1	6	43	38	2.45	.06	.36	160	1	.32	4	.05	4	.01	<2	<2	73	<5	.12	<5	183	13	16
287213	.1	1.68	<5	6	31	<10	2.55	<1	20	31	100	3.41	.09	1.72	741	2	.04	18	.09	8	.08	6	<2	75	<5	.10	<5	115	59	1

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287214	.2	1.52	9	7	24	<10	2.54	<1	19	23	211	3.24	.10	1.62	650	1	.03	17	.08	5	.09	3	<2	53	9	.05	8	97	69	3
287215	.2	1.25	13	<5	23	<10	1.80	<1	10	29	300	2.55	.09	1.26	523	1	.05	13	.10	2	.04	2	<2	54	<5	.14	<5	86	39	1
287216	.3	1.26	<5	<5	16	<10	2.07	<1	12	25	144	3.49	.08	1.25	568	2	.04	15	.09	6	.02	4	<2	46	<5	.10	<5	117	52	3
287217	.2	1.40	9	6	24	<10	4.67	<1	21	17	214	3.45	.16	.85	914	1	.05	18	.10	7	.07	6	<2	99	<5	.01	<5	88	96	2
287218	.1	1.86	33	<5	23	<10	3.43	<1	19	22	115	4.00	.09	1.73	958	2	.04	20	.09	4	.02	2	<2	91	<5	.04	<5	104	63	1
287219	.2	1.96	14	<5	26	<10	4.26	<1	22	23	168	4.38	.12	1.52	1026	1	.05	23	.08	3	.01	3	<2	98	<5	.01	<5	98	90	2
287220	.6	1.13	<5	6	250	<10	4.79	<1	15	19	192	3.17	.27	.45	1062	4	.04	14	.10	6	.02	5	<2	107	<5	.02	<5	71	82	1
287221	.8	1.60	<5	7	82	<10	4.77	1	16	30	140	3.48	.26	1.05	1178	1	.03	17	.09	6	.01	7	<2	101	<5	.01	<5	74	100	1
287222	2.6	1.51	<5	5	67	<10	6.75	<1	15	29	47	2.93	.29	1.09	1596	3	.02	14	.08	8	.02	4	<2	76	<5	.02	<5	49	119	2
287223	.4	1.82	11	7	29	<10	5.77	<1	30	21	136	3.63	.28	1.37	1347	2	.03	19	.10	11	.34	3	<2	69	<5	.01	7	74	100	1
287224	.5	1.76	14	6	65	<10	2.51	<1	25	29	217	3.96	.10	1.88	903	4	.05	20	.09	5	.13	4	<2	48	<5	.09	<5	120	67	2
287225	.4	1.41	<5	5	63	<10	3.09	<1	27	46	100	3.65	.14	1.36	806	3	.04	16	.10	6	.25	5	<2	47	<5	.07	<5	106	60	6
287226	.1	1.64	<5	6	42	<10	1.77	<1	18	33	245	3.61	.09	1.96	725	2	.05	17	.11	2	.04	2	<2	41	6	.17	<5	124	55	1
287227	.3	1.82	17	5	65	<10	2.73	<1	34	34	116	3.94	.08	2.11	956	1	.06	21	.10	7	.28	<2	<2	58	<5	.16	<5	134	66	2
287228	1.1	2.08	45	<5	142	<10	4.64	0	23	37	1128	5.61	.35	2.07	878	16	.12	28	.15	16	1.30	3	<2	138	<5	.05	<5	136	122	140
287229	.3	3.02	<5	<5	44	<10	2.01	<1	6	44	32	2.90	.07	.39	151	1	.35	3	.06	3	.01	2	<2	71	<5	.14	<5	185	15	4
287230	.5	2.10	<5	7	40	<10	3.79	<1	24	34	421	4.64	.14	2.09	1279	2	.04	22	.10	6	.04	<2	<2	52	6	.15	<5	129	105	3
287231	.4	1.55	<5	<5	34	<10	1.70	<1	20	38	153	4.13	.09	1.78	632	1	.05	18	.11	3	.18	4	<2	37	<5	.25	5	132	52	2
287232	.1	1.32	<5	<5	30	<10	1.08	<1	17	41	155	3.85	.08	1.39	509	2	.06	14	.10	4	.16	3	<2	33	10	.20	<5	127	38	12
287233	.5	1.22	13	<5	157	<10	1.21	<1	39	33	358	3.29	.07	1.13	461	6	.04	12	.11	7	.59	4	<2	36	<5	.15	<5	90	35	4
287234	.4	1.53	<5	5	300	<10	1.51	<1	16	30	192	3.59	.06	1.34	545	1	.05	13	.10	4	.04	2	<2	39	8	.17	<5	113	48	2
287235	.1	1.63	7	<5	18	<10	2.49	<1	19	26	471	3.68	.07	1.70	911	2	.04	18	.09	3	.08	3	<2	46	<5	.19	6	117	84	4
287236	7.1	1.06	12	8	17	<10	1.79	<1	25	24	333	2.41	.06	1.02	441	1	.06	12	.10	5	.66	2	<2	52	8	.18	<5	68	29	1
287237	.2	1.30	13	5	73	<10	1.41	<1	13	30	128	3.78	.08	1.16	448	2	.05	14	.09	2	.02	4	<2	37	<5	.21	<5	125	45	1
287238	.3	1.04	<5	6	114	<10	1.18	<1	23	34	770	3.05	.09	.80	355	1	.08	12	.10	6	.16	2	<2	54	<5	.17	<5	99	29	2
287239	.9	1.20	<5	5	16	<10	1.77	<1	74	35	979	3.22	.08	1.07	562	5	.05	16	.11	13	.76	4	<2	49	<5	.18	<5	90	70	1
287240	.1	1.34	24	7	35	<10	1.59	<1	15	34	86	3.36	.10	1.10	487	2	.06	13	.10	7	.05	<2	<2	53	<5	.16	<5	108	36	3
287241	.2	1.30	15	6	135	<10	1.48	<1	14	35	92	3.46	.08	1.07	437	3	.05	12	.09	5	.03	3	<2	40	<5	.17	<5	114	33	1
287242	.8	1.41	16	5	15	<10	1.41	<1	37	29	933	2.99	.07	1.30	618	2	.04	16	.08	7	.44	4	<2	56	6	.14	<5	74	54	5
287243	.2	1.15	<5	6	21	<10	1.57	<1	12	30	185	3.14	.08	1.14	586	1	.05	14	.09	2	.02	2	<2	41	5	.15	<5	104	51	76
287244	.1	1.18	5	5	175	<10	1.08	<1	15	32	169	3.62	.07	1.13	435	2	.04	12	.10	3	.01	1	<2	47	<5	.19	<5	111	36	3
287245	1.0	1.87	54	<5	137	<10	4.26	0	22	34	1095	5.06	.31	1.89	800	17	.11	24	.14	18	1.30	4	<2	123	<5	.06	<5	128	120	145
287246	.1	2.30	<5	<5	50	<10	1.53	<1	14	39	46	3.31	.08	.42	136	2	.25	5	.08	2	.03	1	<2	81	<5	.13	<5	178	17	1
287247	.2	2.18	<5	<5	13	<10	2.56	<1	23	27	710	3.74	.06	2.27	1389	1	.05	20	.10	4	.08	5	<2	99	4	.03	<5	96	144	2
287248	.5	1.13	<5	7	113	<10	1.30	<1	22	26	156	3.21	.08	1.05	437	2	.04	12	.11	2	.25	5	<2	53	6	.14	<5	104	32	1
287249	1.2	1.16	<5	<5	129	<10	1.59	<1	16	28	148	3.44	.07	1.22	692	1	.05	16	.10	8	.07	2	<2	30	<5	.16	<5	116	68	2
287250	.3	1.34	<5	5	14	<10	2.29	<1	35	29	385	3.59	.08	1.48	882	2	.04	15	.09	11	.47	<2	<2	40	<5	.15	<5	91	103	1
287251	.5	1.49	<5	<5	22	<10	1.59	<1	20	28	1247	3.35	.07	1.65	737	1	.05	17	.10	7	.19	<2	<2	43	7	.21	6	104	60	2
287252	.2	1.51	<5	7	13	<10	4.10	<1	16	30	566	2.91	.06	1.72	1057	2	.04	19	.09	6	.06	2	<2	63	<5	.18	<5	97	86	4
287253	.1	1.52	<5	6	12	<10	1.92	<1	13	29	1865	2.20	.07	1.40	568	3	.05	14	.10	7	.20	3	<2	82	<5	.20	<5	76	52	3

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287254	.4	1.84	12	8	135	<10	2.23	<1	18	31	1369	2.63	.09	1.24	433	2	.06	15	.09	18	.43	1	<2	98	<5	.21	12	90	32	13
287255	.1	1.10	25	9	238	<10	1.23	<1	10	27	274	2.14	.07	.95	327	1	.05	10	.10	4	.04	4	<2	51	6	.16	<5	79	21	1
287256	.2	1.20	14	8	78	<10	1.65	<1	15	25	1136	2.30	.06	1.21	459	2	.06	12	.09	5	.32	2	<2	59	<5	.18	<5	75	28	4
287257	.3	1.22	12	6	20	<10	1.95	<1	13	26	1034	2.73	.08	1.28	736	3	.05	15	.11	6	.11	1	<2	45	8	.15	11	91	74	3
287258	.4	1.07	<5	7	15	<10	1.43	<1	15	25	1281	2.02	.10	1.11	542	2	.04	12	.10	12	.20	2	<2	49	<5	.18	<5	64	53	2
287259	.3	1.23	15	6	14	<10	1.39	<1	12	24	284	2.82	.08	1.32	653	1	.05	13	.09	8	.03	3	<2	41	<5	.16	<5	92	57	1
287260	.7	.19	<5	<5	4	26	.26	<1	9	3	3212	.58	<0.01	.20	118	3	.01	4	.02	2	.61	2	<2	8	<5	.01	<5	9	12	2
287261	.6	2.24	30	6	400	<10	2.47	<1	32	26	1644	5.25	.11	1.91	1030	5	.05	24	.10	5	.19	4	<2	91	7	.01	<5	110	159	3
287262	3.3	2.09	60	<5	98	<10	.76	1	16	59	3287	4.76	.16	1.01	766	43	.07	127	.07	109	.76	5	<2	33	<5	.16	<5	60	366	290
287263	.4	2.80	<5	<5	45	<10	1.98	<1	7	31	51	2.28	.06	.35	186	2	.31	3	.05	5	.01	3	<2	56	<5	.14	<5	186	20	10
287264	.3	1.73	9	8	1000	<10	3.02	<1	30	22	320	5.89	.21	1.37	922	3	.06	23	.10	9	.07	5	<2	118	<5	.02	<5	96	140	1
287265	.2	1.19	18	6	1971	<10	5.45	<1	19	17	307	3.18	.18	1.79	1288	1	.08	16	.07	7	.10	3	<2	223	7	.01	<5	66	92	5
287266	.1	.92	<5	<5	1999	<10	6.07	<1	21	16	293	3.65	.15	2.11	1611	2	.05	17	.08	8	.08	4	<2	159	<5	.01	<5	61	108	4
287267	.7	1.02	11	5	879	<10	5.66	<1	17	18	355	3.13	.31	.93	1537	1	.03	13	.09	9	.04	7	<2	127	<5	.02	<5	58	152	2
287268	.3	.86	17	<5	38	<10	6.17	<1	14	20	1817	2.69	.30	.69	1582	2	.04	14	.10	11	.24	4	<2	118	<5	.01	<5	56	135	3
287269	13.8	.78	50	<5	45	<10	6.64	4	17	19	749	3.35	.29	.98	2390	5	.03	16	.09	15	.06	80	<2	119	<5	.02	<5	48	260	10
287270	5.3	.44	34	<5	2028	<10	6.10	2	12	31	409	2.33	.34	.61	2608	3	.02	7	.10	10	.05	83	<2	118	<5	.01	<5	35	182	1
287271	7.7	.47	59	<5	1574	<10	5.51	3	14	28	685	2.31	.33	.47	2292	9	.01	8	.09	11	.09	115	<2	105	<5	.02	<5	28	226	2
287272	14.4	.50	188	7	129	77	5.89	6	21	20	14564	3.64	.32	.35	2059	69	.02	7	.08	10	1.20	250	<2	101	12	.01	<5	25	308	24
287273	4.5	.53	37	5	1959	<10	6.88	1	18	19	851	3.26	.31	.62	2663	15	.03	10	.10	11	.12	61	<2	119	<5	.02	<5	42	231	2
287274	32.6	.37	371	7	363	30	7.35	18	12	39	4290	1.92	.27	.46	2280	86	.02	5	.08	97	.29	811	<2	128	<5	.01	<5	19	656	7
287275	26.1	.53	110	6	1291	<10	5.99	8	17	13	1113	2.49	.33	.70	2173	9	.04	9	.10	12	.15	248	<2	132	<5	.02	<5	31	323	23
287276	1.6	.52	11	<5	1000	<10	6.12	<1	15	18	205	2.16	.35	.40	1890	2	.03	10	.09	7	.08	22	<2	121	<5	.01	<5	26	109	3
287277	.3	.53	15	6	92	<10	5.20	<1	20	21	154	4.41	.23	1.78	2187	3	.04	16	.07	15	.05	7	<2	112	<5	.02	<5	58	189	2
287278	.1	.47	<5	5	24	<10	4.22	<1	17	26	177	3.80	.24	1.41	1780	2	.03	12	.08	11	.02	2	<2	106	<5	.01	<5	60	109	3
287279	1.0	1.94	54	<5	141	<10	4.23	0	22	33	1132	5.20	.33	1.92	827	16	.11	24	.14	19	1.30	6	<2	124	<5	.06	<5	123	125	140
287280	.1	2.59	<5	<5	59	<10	1.69	<1	8	55	66	2.79	.08	.57	217	1	.28	5	.06	2	.01	2	<2	69	<5	.18	<5	140	21	18
287281	.2	.61	<5	6	76	<10	4.11	<1	22	28	269	4.93	.26	1.62	2079	2	.03	15	.08	8	.02	6	<2	103	6	.01	<5	70	158	1
287282	.1	.48	<5	5	52	<10	4.57	<1	18	20	185	4.17	.23	1.73	1939	3	.04	13	.07	9	.01	2	<2	112	<5	.02	<5	61	184	2
287283	.5	.54	<5	6	98	<10	3.35	<1	15	19	365	3.00	.29	.60	1367	2	.03	8	.09	14	.11	4	<2	80	4	.01	<5	35	160	1
287284	.2	.48	<5	7	18	<10	4.09	<1	14	23	224	2.98	.28	.47	1457	1	.02	8	.08	8	.03	3	<2	78	<5	.01	<5	34	130	2
287285	.1	.41	9	6	17	<10	6.32	<1	24	22	215	5.13	.21	.96	2287	2	.03	17	.07	11	.02	4	<2	94	<5	.02	<5	57	306	1
287286	.2	.51	<5	7	23	<10	4.50	<1	21	25	117	4.66	.24	1.54	1935	1	.04	15	.08	8	.01	1	<2	117	<5	.01	<5	64	140	3
287287	.1	.37	<5	6	112	<10	4.87	<1	19	26	173	4.04	.23	.88	1788	2	.03	16	.07	9	.03	4	<2	96	<5	.02	<5	50	176	2
287288	.2	.38	9	7	66	<10	4.17	<1	14	27	47	3.12	.24	.52	1436	1	.02	14	.08	6	.01	2	<2	90	<5	.01	<5	38	154	3
287289	.3	.47	<5	6	78	<10	3.89	<1	21	22	195	4.59	.25	1.25	1797	2	.04	15	.07	11	.03	4	<2	96	<5	.02	<5	56	177	4
287290	.2	.44	6	8	50	<10	5.92	<1	13	20	257	2.90	.24	.86	1992	1	.03	7	.08	8	.05	2	<2	101	<5	.01	<5	43	133	3
287291	8.9	.48	<5	7	972	13	4.46	1	14	16	491	2.73	.26	.60	1684	2	.04	8	.09	9	.10	10	<2	104	<5	.01	<5	36	311	2
287292	.2	.47	<5	6	147	<10	4.45	<1	22	27	136	4.95	.24	1.09	1710	3	.03	21	.08	8	.01	8	<2	106	7	.02	<5	66	171	1
287293	.1	.46	<5	9	288	<10	5.79	<1	17	22	229	3.62	.26	.70	1776	2	.02	14	.07	7	.04	7	<2	101	<5	.01	<5	50	218	3

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287294	.2	.41	<5	7	1281	<10	4.81	<1	16	31	108	3.52	.27	.82	1627	3	.03	16	.08	8	.05	5	<2	96	<5	.02	<5	47	142	2
287295	.1	.38	14	5	390	<10	4.43	<1	20	22	100	4.27	.24	.92	1699	1	.02	20	.07	12	.02	6	<2	103	<5	.01	<5	59	137	10
287296	1.0	1.89	50	<5	136	<10	4.26	<1	22	34	1090	5.19	.31	1.92	832	15	.11	25	.14	20	1.32	3	<2	128	7	.06	<5	128	120	135
287297	.2	2.55	<5	<5	73	<10	1.78	<1	7	38	41	2.07	.06	.32	178	1	.31	3	.06	4	.01	1	<2	61	<5	.12	<5	147	17	7
287298	.1	.62	<5	6	804	<10	5.77	<1	22	22	121	4.17	.25	.97	1886	2	.03	20	.07	11	.05	4	<2	122	<5	.01	<5	66	208	16
287299	.1	.63	<5	5	719	<10	5.33	<1	15	27	108	3.34	.27	.68	1545	1	.02	15	.08	9	.04	5	<2	130	<5	.02	<5	58	102	4
287300	.2	.55	<5	6	1018	<10	5.66	<1	19	41	96	3.14	.28	.64	1640	2	.03	14	.07	10	.05	4	<2	133	<5	.01	<5	52	140	6
287301	.1	1.09	<5	<5	67	<10	4.95	<1	20	33	79	4.40	.27	.98	1717	3	.04	18	.08	11	.03	6	<2	123	<5	.02	<5	74	134	3
287302	.1	2.03	<5	5	487	<10	5.15	<1	27	34	230	4.86	.25	1.65	1955	2	.03	23	.07	10	.18	3	<2	107	<5	.01	<5	71	177	4
287303	.2	1.39	<5	<5	717	<10	4.90	<1	20	36	747	3.77	.27	1.06	1634	4	.02	19	.08	23	.27	6	<2	117	<5	.02	<5	53	147	3
287304	.1	1.45	18	<5	142	<10	4.02	<1	21	29	207	3.70	.25	1.12	1375	2	.04	20	.09	10	.06	4	<2	126	<5	.01	<5	59	121	5
287305	.2	1.65	19	6	183	<10	4.07	<1	20	34	73	3.82	.27	1.22	1414	5	.03	21	.08	11	.11	9	<2	123	<5	.02	<5	66	125	4
287306	.1	1.66	<5	6	196	<10	4.57	<1	19	26	59	3.92	.23	1.24	1610	1	.04	20	.07	7	.02	5	<2	137	<5	.01	<5	67	111	3
287307	.2	2.53	<5	8	136	<10	4.01	<1	24	27	102	5.26	.22	1.69	1663	2	.03	23	.08	6	.01	2	<2	114	<5	.02	<5	79	156	8
287308	.1	2.37	<5	6	1271	<10	4.90	<1	21	34	170	4.66	.23	1.45	1816	3	.02	20	.07	22	.11	3	<2	104	<5	.01	<5	62	160	1
287309	.2	2.54	33	7	212	<10	3.83	<1	20	36	134	4.92	.25	1.63	1796	1	.03	21	.06	8	.04	4	<2	97	<5	.02	<5	72	162	2
287310	.1	2.33	10	<5	139	<10	3.97	<1	18	34	77	4.32	.22	1.72	1789	2	.04	20	.08	7	.02	6	<2	113	<5	.01	<5	83	124	1
287311	.3	2.19	8	5	43	<10	4.16	<1	19	33	212	4.41	.25	1.41	1545	1	.03	19	.07	13	.04	7	<2	118	<5	.02	<5	88	126	2
287312	.1	2.12	15	6	65	<10	5.49	<1	21	27	141	4.34	.24	1.38	1722	2	.04	22	.08	10	.02	5	<2	130	<5	.01	<5	75	133	20
287313	1.0	1.97	61	<5	136	<10	4.23	<1	23	36	1044	5.43	.30	2.00	844	17	.11	25	.14	19	1.41	4	<2	141	3	.06	<5	133	112	150
287314	.2	2.75	8	<5	49	<10	1.92	<1	4	47	47	2.11	.08	.32	162	3	.30	3	.05	4	.01	4	<2	68	<5	.11	8	151	16	3
287315	.1	1.69	<5	8	228	<10	6.62	<1	16	28	140	3.46	.26	1.04	2076	1	.03	14	.07	20	.03	3	<2	118	<5	.02	<5	64	134	1
287316	.3	2.65	<5	5	273	<10	4.88	<1	23	34	738	4.85	.24	1.86	2230	2	.02	21	.08	18	.10	4	<2	85	<5	.01	<5	69	169	2
287317	.6	2.54	14	<5	138	<10	5.65	<1	26	35	1235	5.08	.21	1.84	2091	3	.03	20	.07	25	.14	3	<2	101	<5	.02	<5	89	144	1
287318	.1	2.21	11	7	79	<10	4.55	<1	20	37	79	4.49	.25	1.49	1673	2	.04	19	.08	12	.02	9	<2	125	<5	.01	<5	92	126	18
287319	.4	2.09	29	8	777	<10	6.94	<1	21	31	281	4.44	.21	1.25	2487	3	.02	16	.05	20	.07	8	<2	102	<5	.01	<5	59	144	1
287320	.1	1.99	<5	7	145	<10	6.12	<1	20	32	111	4.29	.24	1.38	1881	2	.04	20	.08	11	.02	4	<2	140	<5	.02	<5	101	112	2
287321	.4	2.58	<5	6	192	<10	5.49	<1	24	28	137	5.02	.22	1.69	2029	1	.03	22	.07	13	.03	6	<2	99	<5	.01	<5	74	173	1
287322	.3	2.05	14	7	529	<10	4.73	<1	20	29	259	4.17	.24	1.33	1647	2	.02	20	.08	14	.05	7	<2	124	<5	.01	<5	82	156	2
287323	.1	2.64	<5	10	227	<10	5.29	<1	26	38	149	5.72	.26	1.52	1860	3	.03	22	.07	19	.03	8	<2	106	<5	.02	<5	91	205	4
287324	.4	2.54	15	9	175	<10	5.30	<1	25	31	176	5.38	.24	1.58	1868	2	.04	23	.08	13	.02	3	<2	127	<5	.02	<5	101	186	14
287325	.5	2.35	14	7	163	<10	5.75	<1	23	32	187	4.93	.25	1.53	1975	3	.03	22	.07	36	.04	5	<2	120	<5	.01	<5	98	203	2
287326	1.4	2.22	<5	9	144	<10	6.42	<1	22	39	295	4.70	.24	1.27	2121	2	.02	19	.06	23	.06	12	<2	101	<5	.02	<5	75	184	1
287327	.3	2.31	<5	5	71	<10	5.48	<1	21	32	247	4.39	.25	1.62	1817	1	.03	20	.08	13	.04	6	<2	132	<5	.01	<5	90	150	6
287328	.1	2.00	<5	6	55	<10	4.76	<1	19	34	84	4.11	.26	1.37	1543	2	.04	21	.09	7	.02	5	<2	145	<5	.02	<5	95	124	2
287329	.8	1.90	19	8	710	<10	5.27	<1	20	47	240	3.93	.23	1.13	1857	3	.03	17	.07	14	.09	7	<2	104	<5	.01	<5	70	153	3
287330	1.0	2.02	56	<5	140	<10	4.19	0	23	36	1070	5.38	.32	1.98	842	17	.11	25	.14	17	1.40	3	<2	145	5	.06	<5	134	125	135
287331	.1	2.37	14	<5	44	<10	1.68	<1	9	41	56	2.50	.09	.51	232	1	.21	4	.05	2	.01	2	<2	47	<5	.19	<5	131	23	5
287332	7.5	2.29	25	8	187	<10	5.35	<1	22	27	175	4.94	.22	1.31	2045	2	.03	19	.07	10	.07	9	<2	99	<5	.01	<5	73	201	2
287333	1.2	2.59	21	11	269	<10	5.27	<1	27	26	312	5.91	.21	1.27	1967	3	.02	18	.06	7	.10	15	<2	85	<5	.01	<5	68	289	1

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287334	4.3	1.58	48	7	97	<10	4.39	2	17	25	421	3.75	.29	.90	1490	2	.03	15	.09	19	.61	43	<2	114	<5	.03	<5	69	144	3
287335	9.4	.83	110	8	118	12	5.11	5	13	50	681	2.64	.23	.34	1671	4	.02	10	.06	120	1.39	137	<2	64	<5	.01	<5	24	149	9
287336	.9	2.32	15	9	152	<10	5.61	<1	24	35	198	5.23	.22	1.24	2089	3	.03	21	.08	20	.06	16	<2	100	<5	.02	<5	82	282	1
287337	1.5	2.71	<5	10	345	<10	6.25	<1	26	34	229	6.44	.23	1.25	2445	1	.02	17	.07	4	.07	32	<2	91	<5	.03	<5	81	328	2
287338	2.5	.58	40	<5	1000	10	>10	3	8	25	237	1.56	.13	.31	6542	2	.01	4	.02	5	.11	68	<2	166	<5	.01	<5	21	122	1
287339	5.1	.78	60	<5	2264	<10	10.91	4	9	45	568	1.92	.21	.32	3850	3	.02	6	.06	7	.14	111	<2	128	<5	.02	<5	38	154	2
287340	1.0	2.90	<5	13	1280	<10	6.39	<1	30	33	338	6.90	.22	1.13	2561	2	.01	19	.08	18	.09	9	<2	90	<5	.01	<5	78	405	1
287341	2.1	1.11	27	6	910	<10	11.53	1	14	34	196	2.86	.20	.40	4565	7	.01	9	.04	8	.09	46	<2	110	<5	.02	<5	38	233	3
287342	5.4	1.31	24	8	257	<10	8.04	3	15	36	391	3.28	.24	.44	3184	4	.02	11	.06	7	.08	93	<2	78	<5	.01	<5	39	284	2
287343	32.1	.70	166	<5	1525	<10	10.93	11	12	34	1110	2.75	.14	.65	4487	3	.01	5	.02	14	.14	558	<2	110	<5	.02	<5	38	424	25
287344	26.1	1.33	212	<5	1728	<10	12.35	9	20	24	993	4.46	.12	.99	4986	2	.02	9	.03	17	.16	443	<2	122	<5	.01	<5	58	545	9
287345	30.8	.99	177	5	1639	14	9.72	10	14	31	1422	3.17	.18	.64	3997	3	.01	8	.04	19	.20	507	<2	97	<5	.02	<5	45	454	3
287346	6.0	1.00	97	6	251	22	4.64	3	15	66	3004	2.74	.20	.34	1821	11	.02	7	.03	25	.71	155	<2	47	<5	.01	<5	29	228	5
287347	3.3	2.00	60	<5	94	<10	.74	1	16	59	3281	4.58	.16	.97	738	42	.07	124	.07	115	.78	5	<2	32	<5	.20	<5	62	354	290
287348	.3	1.61	<5	<5	35	<10	1.20	<1	6	30	30	1.80	.06	.31	155	2	.17	3	.06	2	.01	4	<2	28	<5	.13	<5	80	16	1
287349	2.5	1.07	100	<5	87	16	3.45	1	18	61	2299	3.12	.20	.46	1325	28	.02	7	.04	27	1.20	45	<2	36	<5	.02	<5	30	162	11
287350	3.9	.65	188	<5	132	31	5.86	2	13	50	4095	2.44	.18	.26	1737	25	.01	5	.03	44	1.33	121	<2	42	<5	.01	<5	18	143	2
287351	5.7	.57	164	5	297	29	5.78	5	8	74	3475	1.50	.19	.15	1747	8	.02	6	.05	26	.59	263	<2	55	<5	.01	<5	15	233	7
287352	8.7	.36	563	<5	59	68	4.70	6	12	63	12015	3.25	.16	.11	1402	23	.01	5	.03	132	2.68	421	<2	38	9	.02	<5	13	323	27
287353	8.4	.41	190	<5	399	<10	4.33	5	9	62	2188	1.22	.19	.12	1356	6	.02	4	.05	42	.43	334	<2	46	<5	.01	<5	14	235	5
287354	2.0	.61	81	<5	358	22	6.30	2	8	64	3822	1.95	.18	.32	2259	5	.01	3	.04	6	.52	110	<2	53	<5	.02	<5	18	153	2
287355	1.1	.99	<5	<5	60	24	6.51	<1	13	55	3307	2.57	.15	.48	1857	6	.02	6	.03	4	.47	12	<2	44	<5	.01	<5	22	146	1
287356	3.3	.82	56	<5	29	19	3.59	3	12	67	3904	2.34	.21	.34	1236	11	.01	6	.05	5	.57	87	<2	40	<5	.02	<5	20	173	4
287357	4.2	.40	98	<5	31	15	6.53	4	11	32	1034	2.17	.23	.24	2421	9	.02	5	.07	16	.40	121	<2	73	<5	.01	<5	21	207	3
287358	2.6	.32	87	<5	168	14	4.05	1	13	38	788	1.89	.21	.15	1477	13	.01	4	.08	46	1.07	52	<2	53	<5	.02	<5	15	120	6
287359	.1	.65	21	<5	605	<10	7.08	<1	11	33	566	2.01	.26	.34	2394	4	.02	7	.07	7	.17	6	<2	80	<5	.01	<5	26	169	1
287360	.2	.44	10	<5	1352	<10	6.54	0	7	31	485	1.66	.24	.32	2361	3	.01	6	.09	10	.11	17	<2	94	<5	.02	<5	27	181	2
287361	.3	.75	9	5	453	<10	6.82	2	9	32	288	1.76	.25	.25	2348	4	.02	7	.08	11	.15	5	<2	82	<5	.01	<5	29	266	1
287362	1.0	.97	20	<5	210	15	3.94	2	14	45	928	2.29	.24	.35	1477	5	.01	9	.10	20	.58	6	<2	56	<5	.02	<5	35	279	2
287363	.6	.98	28	<5	454	<10	5.91	3	11	38	447	2.19	.25	.38	1955	4	.02	8	.09	21	.35	5	<2	73	<5	.01	<5	38	402	10
287364	1.0	1.97	56	<5	140	<10	4.23	<1	22	33	1090	5.27	.32	1.92	826	18	.11	25	.14	20	1.32	9	<2	123	4	.06	<5	130	128	130
287365	.2	2.75	<5	<5	42	<10	1.95	<1	5	32	83	2.02	.06	.31	155	1	.32	3	.06	5	.01	6	<2	66	<5	.11	6	150	15	1
287366	1.0	.82	41	<5	215	13	3.76	1	12	48	683	1.97	.22	.30	1390	7	.02	7	.08	17	.61	9	<2	47	<5	.01	<5	27	211	6
287367	.1	.86	<5	<5	539	<10	3.50	<1	7	49	279	1.71	.25	.31	1279	5	.01	8	.10	2	.09	5	<2	61	<5	.02	<5	36	152	11
287368	.2	.63	13	<5	201	<10	4.75	<1	6	42	244	1.26	.25	.20	1651	4	.02	5	.09	6	.17	6	<2	60	<5	.01	<5	28	117	1
287369	.6	1.22	35	<5	266	14	4.08	1	14	51	1376	2.80	.24	.55	1762	3	.01	11	.08	9	.46	5	<2	51	<5	.02	<5	44	348	2
287370	.3	.70	17	<5	466	<10	4.97	3	7	53	716	1.68	.23	.28	1618	4	.02	7	.07	7	.21	9	<2	66	<5	.01	<5	41	287	1
287371	.1	.76	10	<5	475	<10	5.00	0	6	50	209	1.85	.28	.31	1663	5	.01	6	.10	6	.06	4	<2	76	<5	.01	<5	59	133	4
287372	.1	.57	<5	<5	374	<10	4.19	1	4	52	419	1.22	.29	.14	1244	4	.03	4	.09	9	.09	5	<2	72	<5	.02	<5	42	117	1
287373	.2	.43	<5	<5	1139	<10	5.08	0	3	49	290	.78	.25	.11	1390	3	.02	2	.07	2	.07	2	<2	89	<5	.01	<5	26	93	2

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287374	.1	1.08	<5	<5	1102	<10	4.87	<1	10	43	204	1.98	.26	.61	1576	4	.03	7	.09	6	.06	6	<2	86	<5	.01	<5	43	123	1
287375	8.2	1.15	22	<5	593	12	5.56	1	12	49	1089	2.42	.25	.60	1950	5	.02	10	.08	30	.27	4	<2	73	<5	.02	<5	47	209	2
287376	.1	1.00	8	6	286	<10	6.51	<1	9	31	898	1.84	.26	.39	2017	4	.01	9	.09	10	.18	5	<2	81	<5	.01	<5	28	148	1
287377	.2	1.92	28	<5	887	<10	5.47	<1	19	33	328	3.38	.24	1.18	2316	6	.03	15	.08	2	.06	6	<2	87	<5	.02	<5	60	258	7
287378	.1	1.59	<5	6	909	<10	5.38	<1	15	40	242	2.80	.26	1.01	2114	3	.02	13	.07	4	.05	5	<2	85	<5	.01	<5	58	180	5
287379	.2	1.55	<5	<5	1522	<10	5.56	<1	14	36	443	2.85	.25	1.04	2078	4	.03	11	.09	5	.10	10	<2	102	<5	.02	<5	60	161	1
287380	.1	1.33	<5	5	1114	<10	8.06	<1	12	34	585	2.34	.24	.84	2432	2	.02	10	.08	4	.09	5	<2	105	<5	.01	<5	45	127	4
287381	1.2	2.06	59	<5	141	<10	4.37	<1	23	35	1106	5.45	.34	1.98	854	17	.12	27	.14	19	1.33	3	<2	129	3	.06	<5	137	120	135
287382	.2	2.57	<5	<5	90	<10	1.70	<1	11	39	55	3.13	.11	.80	323	2	.21	6	.07	2	.01	4	<2	71	<5	.27	<5	150	29	1
287383	.5	2.06	21	<5	788	<10	5.36	<1	19	42	603	3.48	.25	1.40	2342	3	.03	13	.06	5	.08	16	<2	88	<5	.01	<5	54	211	2
287384	.4	2.25	8	<5	1207	<10	4.84	<1	21	47	550	4.06	.22	1.67	2295	4	.02	15	.08	2	.07	6	<2	91	<5	.01	<5	65	210	1
287385	.3	2.06	10	6	1346	<10	4.14	<1	20	48	624	3.82	.21	1.59	1953	3	.03	12	.07	5	.10	4	<2	97	<5	.02	<5	59	170	2
287386	.1	2.34	<5	<5	125	<10	4.38	<1	21	43	735	4.29	.19	1.63	2499	2	.02	14	.06	4	.09	3	<2	54	<5	.01	<5	52	275	1
287387	.2	1.99	26	<5	745	<10	6.29	<1	19	35	850	3.68	.21	1.38	2382	1	.03	11	.07	5	.11	8	<2	85	<5	.02	<5	55	213	1
287388	1.2	1.93	61	6	67	<10	4.59	0	18	34	819	3.65	.27	1.03	1944	4	.02	14	.09	10	.17	27	<2	72	<5	.01	<5	47	308	2
287389	2.9	1.76	49	10	70	<10	3.84	1	21	38	752	3.06	.35	.57	1583	5	.04	18	.08	23	.29	33	<2	109	<5	.02	<5	45	245	12
287390	.6	1.17	77	7	27	<10	3.92	0	13	43	910	2.56	.31	.33	1471	6	.02	14	.07	4	.13	65	<2	67	<5	.01	<5	24	195	1
287391	.5	1.76	41	6	31	<10	3.33	<1	20	42	298	4.15	.29	.67	1819	5	.01	13	.06	3	.37	23	<2	59	<5	.02	<5	36	183	2
287392	.6	3.18	13	7	32	<10	2.29	<1	23	38	251	7.29	.25	1.40	2589	2	.02	17	.08	4	.04	24	<2	46	10	.01	<5	60	273	1
287393	.5	2.75	34	6	28	<10	1.34	<1	25	41	120	8.94	.23	1.36	2420	9	.01	15	.07	7	.39	4	<2	36	17	.02	<5	62	260	3
287394	.1	2.00	<5	<5	39	<10	2.26	<1	19	38	269	4.15	.20	1.62	1671	3	.03	16	.08	3	.07	6	<2	45	<5	.01	<5	80	166	2
287395	.5	2.29	18	<5	29	<10	1.41	<1	23	41	326	5.12	.14	1.63	2419	4	.02	17	.07	2	.26	4	<2	35	<5	.02	<5	87	290	1
287396	.4	2.35	<5	<5	27	<10	1.55	<1	21	37	158	5.11	.15	1.81	2531	5	.03	18	.08	8	.23	3	<2	40	<5	.01	<5	97	323	2
287397	.3	2.60	<5	<5	26	<10	1.02	<1	24	44	276	5.88	.14	1.82	2493	7	.02	16	.07	2	.27	5	<2	30	<5	.01	<5	95	220	1
287398	1.1	1.79	56	<5	125	<10	4.34	0	22	33	1078	5.05	.31	1.80	809	17	.11	24	.15	18	1.34	4	<2	127	8	.02	<5	130	120	145
287399	.3	1.95	<5	<5	41	<10	1.54	<1	7	42	76	1.77	.06	.31	155	1	.21	3	.04	2	.02	3	<2	41	<5	.05	<5	101	20	9
287400	.4	2.86	23	<5	27	<10	2.30	<1	25	39	485	5.91	.17	1.82	3069	8	.02	16	.08	9	.45	7	<2	44	<5	.01	<5	85	307	1
287401	.9	3.15	39	<5	20	<10	2.19	<1	34	45	1276	6.81	.16	1.81	3356	23	.01	18	.07	5	.80	1	<2	35	<5	.02	<5	73	255	5
287402	.3	2.61	25	<5	25	<10	4.91	<1	24	33	499	5.44	.18	1.68	3011	9	.02	17	.06	10	.43	3	<2	53	<5	.01	<5	72	327	2
287403	.1	2.14	<5	<5	29	<10	3.58	<1	23	40	175	4.87	.22	1.85	1756	3	.03	22	.08	6	.04	<2	<2	80	5	.01	<5	119	250	1
287404	.2	1.42	<5	5	35	<10	3.38	<1	15	43	280	3.73	.28	1.11	1429	4	.04	16	.07	6	.05	3	<2	93	<5	.02	<5	102	182	2
287405	.1	1.57	<5	<5	32	<10	2.49	<1	20	46	78	4.25	.18	1.45	1565	3	.03	19	.08	1	.03	1	<2	54	<5	.01	<5	119	176	1
287406	.2	1.75	<5	5	30	<10	2.61	<1	19	40	159	4.58	.16	1.66	1491	5	.04	18	.07	2	.02	4	<2	57	<5	.02	<5	120	163	2

PIONEER LABORATORIES INC. #103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5 TELEPHONE (604) 231-8165

GEOCHEMICAL ANALYSIS CERTIFICATE

SNL ENTERPRISES LTD.
Project: Logan Copper
Sample Type: Cores

Multi-element ICP Analysis - 0.500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with water. This leach is partial for B, Ba, Cr, Fe, Mg, Mn, Na, P, S, Sn, Ti and limited for Na, K and Al. *Au Analysis- 20 gram sample is digested with aqua regia, MIBK extracted, and is finished by AA or graphite furnace AA.

Analyst RS
Report No. 2092438
Date: October 20, 2009

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287407	.1	1.77	18	<5	466	<10	2.27	<1	10	24	95	3.14	.10	1.01	346	1	.04	9	.11	7	.01	<2	<2	334	<5	.03	<5	129	39	2
287408	.2	2.14	17	<5	375	<10	2.44	1	11	28	37	3.60	.12	1.23	443	2	.03	10	.10	8	.02	<2	<2	187	7	.04	<5	140	51	1
287409	.1	2.06	7	<5	428	<10	2.56	<1	10	31	48	3.59	.11	1.32	412	1	.04	11	.11	9	.01	3	<2	349	8	.02	<5	137	55	28
287410	.3	2.18	10	<5	97	<10	2.51	1	13	37	171	3.99	.08	1.37	420	1	.03	14	.12	3	.01	<2	<2	108	6	.01	<5	150	51	2
287411	.2	1.92	14	<5	620	<10	2.61	<1	11	32	69	3.48	.10	1.02	333	2	.05	9	.11	4	.02	<2	<2	465	5	.03	<5	139	38	1
287412	.1	1.92	8	<5	974	<10	2.21	2	10	25	164	3.21	.09	1.08	296	1	.04	10	.12	6	.01	<2	<2	576	7	.02	<5	132	37	2
287413	.2	2.46	5	<5	661	<10	3.48	1	11	26	108	3.44	.12	1.23	398	1	.05	11	.11	11	.01	<2	<2	525	6	.04	<5	134	43	5
287414	.1	2.94	9	<5	191	<10	3.56	<1	13	28	85	3.88	.10	1.71	588	2	.04	14	.10	10	.02	3	<2	178	<5	.03	<5	140	62	2
287415	.1	3.01	5	<5	519	<10	4.85	<1	14	26	222	3.75	.09	1.70	529	1	.03	15	.11	8	.19	4	<2	466	5	.02	<5	137	45	10
287416	.2	2.42	7	<5	513	<10	3.25	<1	11	26	58	3.71	.10	1.26	445	2	.05	9	.13	7	.01	2	<2	385	6	.01	<5	145	51	2
287417	.1	2.25	5	<5	428	<10	3.53	2	10	28	203	3.53	.08	1.05	413	1	.04	10	.12	6	.02	<2	<2	164	<5	.02	<5	144	44	20
287418	.2	1.99	6	<5	141	<10	8.17	<1	9	23	68	2.99	.07	1.15	590	2	.03	11	.11	7	.04	5	<2	165	<5	.01	<5	121	32	3
287419	.1	1.80	5	<5	685	<10	3.46	<1	11	34	108	3.46	.10	1.13	366	1	.04	10	.14	6	.02	2	<2	600	<5	.02	<5	134	45	4
287420	.3	1.81	6	<5	922	<10	1.95	1	12	35	52	3.55	.13	1.14	322	2	.05	11	.13	7	.01	<2	<2	680	5	.01	<5	144	39	10
287421	.1	1.79	15	<5	129	<10	3.82	2	11	44	86	3.54	.12	1.23	484	1	.04	15	.12	3	.01	4	<2	111	6	.03	<5	137	48	3
287422	1.1	2.07	62	<5	130	<10	4.59	1	19	39	1084	5.06	.43	1.85	810	12	.09	22	.17	20	1.30	3	<2	120	12	.02	<5	130	117	130
287423	.1	.97	5	<5	35	<10	.86	<1	2	15	8	.73	.08	.19	148	2	.08	1	.07	4	.01	<2	<2	19	<5	.03	<5	39	22	30
287424	.1	2.42	7	<5	50	<10	4.86	<1	15	26	62	4.29	.07	1.45	641	1	.04	15	.14	8	.01	<2	<2	79	<5	.02	<5	162	53	15
287425	.2	2.44	8	<5	68	<10	4.24	2	10	21	86	3.37	.06	1.08	456	1	.03	11	.13	6	.02	2	<2	94	<5	.01	<5	127	41	9
287426	.1	1.67	5	<5	80	<10	3.21	1	9	24	85	3.54	.05	.89	379	1	.04	10	.14	4	.03	<2	<2	88	<5	.02	<5	139	28	16
287427	.1	2.15	6	<5	289	<10	4.46	<1	14	21	343	3.70	.07	1.17	470	2	.03	12	.15	6	.04	<2	<2	266	<5	.01	<5	145	33	24
287428	.2	1.63	5	<5	375	<10	2.73	<1	10	23	269	3.46	.05	.96	314	1	.04	9	.16	7	.03	2	<2	278	<5	.01	<5	131	29	15
287429	.1	1.37	8	<5	145	<10	1.45	2	9	26	71	3.22	.04	.86	233	2	.03	10	.15	3	.02	<2	<2	112	<5	.02	<5	139	26	3
287430	.2	1.44	6	<5	773	<10	2.24	1	10	31	157	3.04	.05	.82	340	1	.04	8	.14	7	.01	4	<2	185	<5	.01	<5	134	35	4
287431	.1	1.43	11	<5	208	<10	1.90	<1	9	26	179	3.00	.04	.86	388	1	.03	9	.16	3	.04	<2	<2	61	<5	.02	<5	139	36	5
287432	.1	1.56	5	<5	31	<10	3.32	1	13	31	479	3.49	.05	1.05	611	2	.04	10	.15	2	.07	<2	<2	52	<5	.01	<5	152	47	6
287433	.2	1.15	6	<5	48	<10	1.89	<1	9	32	165	3.11	.07	.74	327	1	.03	8	.14	6	.02	<2	<2	42	<5	.02	<5	142	30	45
287434	.1	1.32	5	<5	183	<10	1.58	<1	12	26	368	2.78	.05	1.02	445	1	.02	9	.15	2	.05	3	<2	63	<5	.01	<5	114	36	60
287435	.2	2.46	15	<5	5	<10	2.15	2	23	49	375	3.44	.02	2.56	1409	2	.01	17	.12	3	.04	<2	<2	44	<5	.03	<5	98	141	21
287436	.1	2.24	6	<5	8	<10	2.94	1	19	41	483	3.92	.05	2.23	1410	1	.03	18	.14	7	.05	<2	<2	41	<5	.02	<5	145	127	6
287437	.4	1.90	5	<5	22	<10	2.49	<1	22	31	2681	3.61	.08	1.69	1087	2	.02	14	.13	4	.33	<2	<2	42	<5	.01	<5	113	103	4
287438	.3	2.39	14	<5	5	<10	.80	<1	26	60	2561	3.84	.03	2.23	1134	1	.03	17	.14	6	.25	2	<2	36	<5	.05	<5	96	99	1
287439	1.0	1.93	49	<5	123	<10	4.31	2	19	38	1057	4.99	.42	1.93	804	13	.10	20	.18	20	1.26	3	<2	106	10	.02	<5	135	115	140
287440	.1	1.97	5	<5	44	<10	1.26	<1	6	41	31	2.39	.10	.40	146	1	.17	3	.08	2	.01	<2	<2	41	<5	.04	<5	153	22	3
287441	.1	1.34	8	<5	75	<10	1.71	1	14	37	220	3.37	.07	1.21	605	1	.04	11	.15	6	.12	<2	<2	37	<5	.05	<5	144	53	2

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287442	.2	1.36	5	<5	79	<10	2.81	<1	16	27	467	3.17	.05	1.29	623	2	.03	13	.16	8	.08	2	<2	49	<5	.04	<5	107	51	1
287443	.1	1.49	6	<5	105	<10	2.62	1	14	24	138	4.16	.12	1.27	569	2	.04	12	.13	4	.03	<2	<2	52	<5	.08	<5	138	46	2
287444	1.8	2.06	5	<5	24	<10	4.76	2	28	33	12783	5.17	.11	1.50	839	1	.03	14	.11	48	.81	<2	<2	116	<5	.07	<5	132	71	4
287445	.1	1.41	10	<5	361	<10	1.74	1	17	28	267	3.84	.08	.94	324	2	.05	9	.13	6	.20	<2	<2	61	<5	.09	<5	135	38	10
287446	.2	1.47	13	<5	46	<10	1.82	2	16	29	166	4.45	.09	.95	326	1	.04	10	.15	8	.12	<2	<2	52	<5	.08	<5	157	37	4
287447	.1	2.08	18	<5	23	<10	3.08	1	17	27	1169	4.70	.08	1.49	677	2	.05	12	.14	4	.10	<2	<2	66	<5	.09	<5	156	69	3
287448	.1	1.69	5	<5	23	<10	2.60	1	14	32	322	4.35	.07	1.35	632	1	.04	13	.13	5	.04	<2	<2	61	<5	.07	<5	144	61	6
287449	.2	2.11	6	<5	257	<10	3.80	2	18	32	1318	5.24	.08	1.67	855	2	.06	12	.16	6	.17	<2	<2	99	<5	.06	<5	147	72	8
287450	.1	1.60	5	<5	173	<10	2.04	1	12	43	351	4.04	.07	1.06	413	1	.07	13	.11	2	.03	<2	<2	76	<5	.08	<5	145	31	4
287451	.1	2.06	11	<5	256	<10	3.18	1	15	56	766	3.94	.06	1.28	482	1	.06	16	.07	5	.08	<2	<2	174	<5	.05	<5	146	37	125
287452	.2	1.89	8	<5	221	<10	2.70	2	13	47	41	4.17	.09	1.38	631	2	.05	14	.10	10	.01	<2	<2	65	<5	.08	<5	153	58	20
287453	.1	1.82	18	<5	107	<10	1.82	1	12	36	209	4.11	.08	1.19	452	1	.06	13	.11	6	.02	<2	<2	61	<5	.07	<5	149	42	9
287454	.1	2.43	17	<5	20	<10	3.07	2	18	65	213	4.94	.09	2.31	754	2	.05	24	.10	10	.04	<2	<2	68	<5	.10	<5	166	72	2
287455	.2	2.10	5	<5	30	<10	2.60	1	11	40	137	3.77	.08	.99	349	1	.06	13	.11	2	.05	2	<2	70	<5	.07	<5	134	32	11
287456	1.1	1.90	52	<5	132	<10	4.25	3	19	39	1105	5.10	.41	1.89	722	13	.11	21	.16	18	1.32	3	<2	132	12	.03	<5	132	115	130
287457	.1	1.48	5	<5	34	<10	2.05	<1	14	51	44	3.01	.07	.43	203	1	.04	4	.07	2	.05	<2	<2	51	<5	.09	<5	110	20	15
287458	.1	1.73	6	<5	120	<10	2.08	1	13	39	741	3.88	.08	1.05	341	2	.06	13	.12	5	.28	<2	<2	68	<5	.08	<5	135	28	4
287459	.2	1.67	12	<5	177	<10	2.73	2	15	53	212	3.87	.07	1.38	556	1	.05	15	.11	7	.23	<2	<2	59	<5	.10	<5	130	52	1
287460	.1	1.32	14	<5	26	<10	2.67	<1	21	28	1595	1.96	.08	.81	249	1	.06	10	.12	2	.77	<2	<2	48	<5	.07	5	73	24	1
287461	.1	1.73	5	<5	37	<10	1.65	2	9	31	46	3.67	.07	1.01	299	2	.05	12	.11	6	.03	<2	<2	56	<5	.06	<5	132	27	50
287462	.2	1.95	11	<5	42	<10	2.68	1	11	32	335	3.71	.06	1.16	397	1	.06	16	.12	4	.04	<2	<2	66	<5	.07	<5	133	41	7
287463	.1	1.48	5	<5	473	<10	1.70	1	10	44	406	3.85	.07	.83	230	2	.07	13	.13	5	.03	2	<2	54	<5	.08	<5	142	26	45
287464	.8	3.59	20	<5	161	<10	2.57	2	32	64	5200	5.79	.05	2.97	792	1	.09	33	.04	6	.44	<2	<2	77	<5	.06	<5	182	66	21
287465	.3	1.84	5	<5	776	<10	2.64	1	14	33	146	4.16	.04	1.29	467	1	.05	13	.14	4	.02	<2	<2	70	<5	.09	<5	151	49	7
287466	.1	1.57	20	<5	44	<10	1.91	2	12	40	46	4.19	.08	1.16	432	2	.06	12	.13	2	.01	2	<2	54	<5	.10	<5	158	42	3
287467	.2	1.88	5	<5	18	<10	2.53	1	14	32	146	4.42	.07	1.41	598	1	.05	14	.14	5	.03	<2	<2	54	<5	.09	<5	156	55	20
287468	.3	2.49	9	<5	22	<10	5.28	2	18	35	1615	3.98	.04	1.68	795	9	.04	15	.11	6	.23	<2	<2	187	<5	.07	<5	117	74	18
287469	.1	1.89	5	<5	36	<10	2.60	1	13	36	340	4.22	.09	1.10	363	1	.07	11	.12	7	.06	<2	<2	71	<5	.09	<5	166	32	7
287470	.2	1.54	17	<5	220	<10	1.86	2	14	29	144	4.13	.08	.96	246	2	.06	12	.14	3	.08	<2	<2	52	<5	.10	<5	153	26	6
287471	.3	1.74	16	<5	2424	<10	2.30	1	11	25	36	4.14	.11	.97	274	1	.08	10	.15	4	.02	<2	<2	79	<5	.08	<5	154	30	12
287472	.1	2.23	5	<5	1792	<10	2.70	2	27	48	140	4.69	.08	1.59	506	2	.09	19	.10	10	.24	1	<2	93	<5	.11	<5	177	50	10
287473	1.2	1.91	49	<5	141	<10	4.29	3	19	36	1105	5.10	.41	1.89	730	15	.11	24	.17	19	1.35	2	<2	130	<5	.03	<5	131	112	130
287474	.1	1.84	18	<5	41	<10	2.06	1	10	52	78	3.11	.08	.49	193	2	.09	5	.07	2	.05	<2	<2	57	<5	.10	<5	129	22	25
287475	.2	1.97	17	<5	1119	<10	2.18	2	14	45	338	4.11	.11	1.17	312	1	.08	14	.11	6	.04	<2	<2	83	<5	.12	<5	162	35	2
287476	.1	1.69	5	<5	601	<10	2.10	1	12	27	269	4.16	.09	.99	341	2	.07	10	.13	7	.03	<2	<2	67	<5	.11	<5	173	34	3
287477	.3	2.13	14	<5	361	<10	2.52	1	11	19	87	3.78	.08	1.08	382	1	.06	11	.15	5	.01	<2	<2	82	<5	.09	<5	146	42	1
287478	.1	2.71	5	<5	35	<10	4.29	2	17	24	285	4.62	.12	1.86	701	2	.07	14	.14	8	.08	<2	<2	134	<5	.12	<5	162	51	12
287479	.2	1.98	16	<5	27	<10	2.54	1	16	25	407	4.03	.08	1.63	544	2	.06	12	.16	12	.17	3	<2	87	<5	.11	<5	148	46	1
287480	.1	1.77	9	<5	>1000	<10	2.25	1	12	24	1306	3.59	.09	1.17	468	1	.10	9	.15	6	.12	<2	<2	83	<5	.08	<5	139	27	4
287481	.3	1.54	11	<5	149	<10	2.45	2	14	23	110	3.66	.08	1.32	556	2	.06	10	.16	7	.11	6	<2	81	<5	.07	<5	138	35	1

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287482	.1	1.68	5	<5	313	<10	2.54	1	15	24	320	3.97	.07	1.40	693	1	.07	11	.15	17	.04	<2	<2	74	<5	.06	<5	148	48	2
287483	.3	1.34	16	<5	77	<10	8.14	1	14	15	594	2.37	.35	.64	1168	2	.04	10	.10	10	.12	7	<2	132	<5	.01	<5	64	91	10
287484	.2	3.78	24	<5	24	<10	2.94	2	27	30	628	6.26	.10	3.39	1717	1	.05	29	.05	4	.06	2	<2	73	<5	.01	<5	223	112	20
287485	.1	3.77	23	<5	25	<10	2.97	1	30	39	383	6.04	.08	3.83	1973	1	.04	34	.03	12	.05	1	<2	60	<5	.02	<5	212	123	2
287486	.6	2.71	5	<5	21	<10	5.67	1	26	42	1685	4.85	.15	2.37	2168	2	.02	31	.04	11	.15	2	<2	59	<5	.01	<5	146	155	1
287487	.1	3.01	39	<5	45	<10	4.82	2	25	45	301	5.90	.13	2.77	2006	1	.03	45	.07	8	.04	<2	<2	53	<5	.01	<5	174	155	2
287488	.1	.70	11	<5	105	<10	11.69	<1	7	29	46	1.49	.16	.38	3439	2	.02	6	.03	9	.03	6	<2	83	<5	.02	<5	36	66	1
287489	.3	1.58	21	<5	68	<10	5.28	1	20	20	371	3.26	.28	.51	1437	1	.04	12	.17	17	.31	17	<2	72	<5	.01	<5	45	181	1
287490	1.2	2.01	59	<5	142	<10	3.94	2	18	37	1071	5.06	.32	1.79	806	11	.10	24	.18	18	1.24	6	<2	120	<5	.02	<5	129	118	140
287491	.2	1.64	10	<5	64	<10	1.75	<1	9	63	45	3.84	.06	.51	280	2	.05	6	.08	3	.05	3	<2	33	<5	.10	<5	148	22	1
287492	.3	2.11	13	<5	22	<10	4.33	1	26	36	445	4.54	.14	1.52	1402	1	.04	19	.16	8	.33	<2	<2	49	<5	.01	<5	119	124	2
287493	.5	1.64	8	<5	18	<10	4.75	<1	16	20	299	3.04	.23	.85	1175	2	.03	13	.17	9	.27	3	<2	77	<5	.01	<5	70	112	3
287494	.4	3.03	5	<5	25	<10	4.72	2	29	41	405	5.98	.12	2.34	1755	1	.04	41	.05	7	.04	<2	<2	49	<5	.02	<5	164	176	1
287495	1.2	1.23	20	<5	23	<10	7.27	1	10	23	385	2.14	.28	.56	2165	2	.03	11	.13	11	.06	13	<2	76	<5	.01	<5	52	123	2
287496	.7	1.93	10	<5	478	<10	2.49	1	19	53	243	4.43	.09	1.74	889	1	.07	27	.05	6	.02	<2	<2	44	<5	.06	<5	162	79	3
287497	.3	1.63	5	<5	131	<10	2.52	1	16	36	218	4.06	.07	1.52	694	2	.05	15	.16	7	.07	<2	<2	49	<5	.04	<5	165	43	25
287498	.1	1.82	6	<5	25	<10	4.36	2	15	29	35	3.87	.13	1.24	1060	1	.06	13	.15	11	.02	<2	<2	83	<5	.01	<5	142	57	2
287499	.2	1.16	21	<5	22	<10	8.90	1	9	30	158	2.21	.25	.55	2011	2	.03	12	.12	8	.03	6	<2	90	<5	.01	<5	67	79	6
287500	.1	1.74	14	<5	247	<10	2.39	1	17	56	200	4.30	.07	1.52	720	1	.09	25	.06	5	.02	3	<2	50	<5	.05	<5	180	45	3
287501	.1	1.59	7	<5	976	<10	3.01	<1	13	30	73	4.02	.06	1.31	727	2	.06	15	.16	7	.01	<2	<2	61	<5	.04	<5	165	33	1
287502	.1	2.82	21	<5	307	<10	4.19	1	20	23	21	4.92	.18	1.78	1158	1	.05	14	.15	12	.02	<2	<2	75	<5	.01	<5	113	169	2
287503	.1	2.06	8	<5	496	<10	2.98	1	22	38	509	4.45	.07	1.79	884	1	.09	25	.08	4	.06	5	<2	63	<5	.03	<5	173	64	4
287504	.1	3.22	22	<5	30	<10	5.27	2	31	48	182	6.10	.15	2.86	1777	2	.04	43	.05	20	.02	2	<2	70	<5	.01	<5	184	206	10
287505	.2	3.36	5	<5	117	<10	4.87	2	34	41	178	6.30	.12	3.00	1670	1	.05	47	.06	16	.03	<2	<2	72	<5	.01	<5	173	198	1
287506	.1	2.30	6	<5	835	<10	3.63	1	24	54	180	5.08	.07	2.08	1186	2	.09	34	.04	9	.02	<2	<2	60	<5	.04	<5	194	95	2
287507	1.0	1.90	52	<5	130	<10	3.93	2	18	38	1016	4.95	.25	1.76	789	11	.10	24	.18	20	1.24	7	<2	115	<5	.02	<5	136	120	130
287508	1.5	1.22	10	<5	23	<10	7.19	1	10	21	379	2.28	.28	.56	2115	1	.03	13	.12	13	.06	12	<2	78	<5	.01	<5	54	123	1
287509	.1	2.08	5	<5	308	<10	4.09	1	19	53	626	4.89	.07	2.04	1331	2	.05	29	.04	11	.05	<2	<2	57	<5	.09	<5	181	98	2
287510	.2	2.40	6	<5	17	<10	3.76	2	20	27	144	5.48	.10	2.19	1247	1	.04	24	.11	4	.01	2	<2	50	<5	.03	<5	180	120	1
287511	.3	2.23	15	<5	19	<10	2.85	1	19	29	211	5.33	.09	2.14	1177	3	.05	18	.12	9	.02	<2	<2	39	<5	.05	<5	175	100	2
287512	.2	3.55	5	<5	16	<10	4.41	2	25	27	227	7.65	.17	2.50	1652	1	.04	19	.12	7	.12	<2	<2	54	<5	.01	<5	157	246	1
287513	1.9	1.32	8	<5	12	<10	3.81	1	202	39	4899	6.15	.12	.86	1137	4	.03	29	.09	30	3.91	<2	<2	35	8	.02	<5	51	91	1
287514	.1	2.45	5	<5	21	<10	4.29	2	20	29	132	4.85	.17	1.77	1303	1	.04	20	.12	8	.08	2	<2	90	<5	.01	<5	119	113	3
287515	.2	1.62	6	<5	238	<10	2.79	1	19	26	85	4.05	.08	1.56	963	1	.05	16	.13	9	.30	<2	<2	48	<5	.02	<5	141	62	2
287516	.1	2.01	5	<5	22	<10	3.20	1	18	24	320	4.59	.09	1.85	1285	2	.04	19	.12	4	.03	<2	<2	47	<5	.01	<5	145	94	3
287517	.6	1.84	25	<5	27	<10	4.64	2	17	23	393	4.40	.12	1.40	1473	1	.03	16	.11	12	.14	5	<2	45	<5	.01	<5	109	144	2
287518	.1	2.21	24	<5	13	<10	4.48	1	20	17	390	4.34	.10	1.57	1413	2	.04	19	.10	11	.11	<2	<2	83	<5	.02	<5	87	190	8
287519	.2	1.37	15	<5	27	<10	8.79	2	16	18	368	2.86	.16	.95	2130	1	.03	13	.09	9	.12	9	<2	122	<5	.01	<5	68	133	2
287520	.1	2.26	11	<5	21	<10	2.29	1	15	23	207	4.30	.05	1.94	1063	1	.05	16	.11	13	.02	<2	<2	66	<5	.04	<5	128	78	3
287521	.1	1.45	15	<5	23	<10	1.23	<1	11	30	45	4.09	.07	1.40	654	2	.04	14	.12	5	.01	<2	<2	39	<5	.05	<5	132	50	10

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287522	.2	1.52	5	<5	30	<10	1.73	2	12	27	66	3.97	.06	1.36	760	1	.05	12	.13	7	.01	<2	<2	41	<5	.06	<5	138	48	8
287523	.1	1.78	6	<5	27	<10	1.55	1	13	23	118	3.86	.07	1.62	795	2	.04	14	.12	8	.02	3	<2	35	<5	.05	<5	129	62	23
287524	1.0	1.93	51	<5	129	<10	4.02	3	18	39	1105	5.64	.26	1.85	827	11	.09	26	.15	18	1.27	4	<2	119	10	.02	<5	125	120	135
287525	.2	1.90	6	<5	43	<10	1.16	<1	7	38	72	2.60	.05	.40	182	1	.13	7	.05	4	.03	<2	<2	29	<5	.05	<5	142	27	2
287526	.3	2.44	5	<5	30	<10	2.26	2	15	26	48	4.26	.06	2.10	1056	2	.04	19	.13	8	.01	2	<2	48	<5	.06	<5	132	92	47
287527	.1	2.16	32	<5	20	<10	3.10	1	17	25	88	4.31	.08	2.37	1117	1	.03	14	.12	17	.06	3	<2	45	<5	.05	<5	130	99	20
287528	.1	1.97	5	<5	227	<10	2.40	1	22	34	138	4.42	.12	2.13	922	2	.04	14	.13	12	.41	2	<2	35	<5	.06	<5	135	80	3
287529	.5	2.28	48	<5	19	<10	3.02	2	32	31	843	5.29	.10	2.51	1401	1	.03	15	.12	20	.89	3	<2	31	<5	.05	<5	129	163	14
287530	.1	2.47	25	<5	37	<10	2.27	1	47	40	255	4.66	.05	2.57	1441	2	.02	16	.11	23	.86	<2	<2	50	<5	.03	<5	85	165	10
287531	.1	2.56	11	<5	13	<10	2.82	1	21	29	303	4.71	.08	2.73	1580	1	.03	14	.13	12	.07	<2	<2	32	<5	.02	<5	118	179	2
287532	.2	2.37	5	<5	16	<10	3.28	<1	18	31	498	4.36	.10	2.57	1585	1	.02	15	.12	9	.06	<2	<2	36	<5	.03	<5	117	169	1
287533	.1	2.47	48	<5	12	<10	2.96	1	21	32	426	4.33	.08	2.66	1620	2	.03	16	.14	8	.05	4	<2	29	<5	.02	<5	111	166	2
287534	.1	2.46	5	<5	25	<10	3.34	1	20	31	630	4.54	.10	2.53	1803	1	.02	15	.13	6	.12	3	<2	32	<5	.01	<5	113	202	1
287535	.2	2.92	6	<5	15	<10	3.36	2	25	29	1007	5.20	.09	3.07	2055	2	.03	18	.12	2	.14	4	<2	28	7	.01	<5	143	236	1
287536	11.2	1.52	5	<5	11	<10	2.27	20	225	38	>10000	19.35	.23	.97	850	1	.02	20	.06	107	>10	<2	<2	37	9	.02	<5	20	1342	7
287537	3.5	1.15	41	<5	21	<10	10.73	3	13	23	1754	2.66	.40	.57	2340	3	.01	10	.07	12	.31	70	<2	83	<5	.01	<5	34	211	6
287538	4.2	.49	111	<5	198	<10	27.11	5	6	16	1025	1.48	.22	.34	7334	1	.02	3	.02	14	.28	178	<2	179	<5	.01	6	24	160	21
287539	2.8	2.62	18	<5	25	<10	6.42	3	23	19	1425	5.23	.27	2.05	1877	2	.03	12	.10	15	.36	54	<2	59	<5	.02	<5	96	253	1
287540	.1	2.16	5	<5	72	<10	5.50	1	18	20	99	4.61	.18	2.06	1258	1	.04	11	.13	5	.01	5	<2	56	<5	.01	<5	136	93	2
287541	3.0	2.13	57	<5	97	<10	.71	2	12	58	3160	5.03	.20	1.10	742	36	.06	125	.07	105	.75	3	<2	32	8	.08	<5	60	367	290
287542	.2	1.98	5	<5	48	<10	1.25	<1	5	45	58	2.01	.07	.38	154	1	.16	3	.05	2	.01	<2	<2	69	<5	.04	<5	185	22	3
287543	.1	2.41	39	<5	42	<10	3.57	1	17	23	139	4.75	.10	2.76	1240	2	.04	10	.12	6	.01	<2	<2	47	<5	.03	<5	157	78	2
287544	.1	2.28	5	<5	45	<10	4.75	2	15	25	97	4.25	.15	2.37	1557	1	.03	7	.11	2	.05	3	<2	56	<5	.01	<5	125	113	6
287545	.3	2.38	6	<5	101	<10	2.95	1	16	22	151	4.64	.10	2.72	1197	2	.04	8	.12	5	.02	5	<2	45	<5	.02	<5	154	78	2
287546	.1	2.46	39	<5	37	<10	3.50	2	15	23	254	4.90	.13	2.48	1207	1	.05	9	.11	2	.05	<2	<2	51	<5	.01	<5	158	89	9
287547	.2	2.25	5	<5	21	<10	6.66	1	17	27	588	4.54	.17	2.12	1682	2	.03	17	.15	5	.06	<2	<2	72	<5	.01	<5	130	110	8
287548	.1	1.38	6	<5	72	<10	7.21	1	10	22	148	2.73	.33	.93	1547	1	.02	8	.12	6	.05	4	<2	99	<5	.02	<5	60	86	17
287549	.1	1.92	39	<5	20	<10	6.98	2	17	14	568	4.06	.28	1.38	1894	2	.03	9	.13	3	.21	<2	<2	86	<5	.01	<5	61	141	10
287550	.2	1.07	5	<5	781	<10	8.80	4	10	25	170	2.18	.27	.76	2173	1	.02	7	.10	6	.03	18	<2	105	<5	.02	<5	41	93	7
287551	.1	2.40	34	<5	1746	<10	8.73	2	20	31	168	5.16	.33	1.88	2208	1	.04	15	.14	8	.06	<2	<2	99	<5	.01	<5	121	119	2
287552	6.4	1.50	48	<5	24	<10	5.08	10	26	29	2355	4.12	.53	.83	1322	4	.03	12	.15	14	.66	51	<2	76	<5	.01	<5	72	148	52
287553	.7	1.14	17	<5	53	<10	6.51	2	13	32	304	2.96	.55	.71	1832	2	.02	8	.13	8	.03	3	<2	78	<5	.02	<5	49	90	90
287554	.8	1.13	11	<5	859	<10	9.49	1	12	16	370	2.89	.42	.75	2455	1	.03	9	.12	3	.04	<2	<2	96	<5	.01	<5	58	97	3
287555	.2	.76	5	<5	199	<10	7.53	1	9	23	142	2.25	.47	.42	1850	2	.02	6	.16	5	.10	6	<2	86	<5	.01	<5	45	88	29
287556	1.8	1.05	21	<5	116	<10	8.45	2	13	26	302	3.43	.46	.69	2180	1	.03	11	.15	3	.03	15	<2	98	<5	.02	<5	83	83	12
287557	.2	.58	11	<5	384	<10	8.26	1	8	19	132	1.84	.45	.44	2092	1	.02	4	.16	7	.06	8	<2	95	<5	.01	<5	44	98	46
287558	1.0	1.98	65	<5	133	<10	4.49	4	19	37	1090	5.10	.39	1.90	839	13	.11	25	.17	23	1.36	5	<2	117	12	.03	<5	130	116	135
287559	.1	1.83	13	<5	34	<10	1.47	<1	5	29	35	1.77	.12	.44	265	1	.19	2	.06	7	.01	<2	<2	46	<5	.06	<5	127	23	20
287560	.1	1.73	14	<5	143	<10	4.57	1	19	27	227	5.07	.28	1.48	1242	1	.05	13	.16	8	.09	<2	<2	66	<5	.01	<5	140	78	7
287561	.7	2.12	29	<5	41	<10	5.18	2	37	26	3280	4.90	.27	2.38	1965	2	.03	17	.15	12	.79	<2	<2	61	<5	.01	<5	96	158	6

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287562	.1	2.22	27	<5	39	<10	6.55	1	29	30	1141	4.09	.25	2.49	2093	1	.02	15	.14	8	.14	<2	<2	66	<5	.02	<5	92	148	1
287563	.4	1.79	21	<5	20	<10	5.18	2	55	23	2794	4.25	.22	2.35	1812	2	.03	20	.15	9	.92	3	<2	60	<5	.01	<5	95	128	2
287564	2.7	.85	67	<5	16	<10	4.35	6	425	43	6090	12.42	.17	1.56	1268	13	.02	22	.11	14	>10	2	<2	50	<5	.01	<5	68	56	1
287565	.4	1.89	5	<5	141	<10	5.04	2	58	29	995	5.21	.25	1.98	1571	2	.04	17	.15	9	1.16	<2	<2	54	<5	.02	<5	127	125	3
287566	.1	1.16	6	<5	748	<10	6.17	1	21	21	630	3.68	.33	1.24	1969	1	.03	13	.14	7	.22	4	<2	71	<5	.01	<5	79	114	1
287567	2.5	1.04	19	<5	66	<10	7.04	1	98	22	3214	5.06	.27	1.16	1979	1	.02	17	.12	20	2.37	3	<2	73	<5	.01	<5	68	109	3
287568	.1	.76	32	<5	21	<10	4.96	2	24	26	116	3.95	.35	.75	1475	2	.04	14	.15	12	.09	6	<2	86	<5	.02	<5	97	104	4
287569	.7	.36	15	<5	69	<10	5.02	1	54	23	965	3.33	.18	1.49	1700	3	.03	12	.12	7	1.17	16	<2	92	<5	.01	<5	34	90	10
287570	.5	.56	11	<5	629	<10	3.69	1	15	14	736	2.35	.22	1.07	1362	2	.05	10	.11	8	.22	19	<2	135	<5	.01	<5	44	85	1
287571	.1	.51	6	<5	644	<10	5.13	2	14	15	240	2.61	.20	1.70	1360	1	.06	12	.10	11	.13	5	<2	171	<5	.02	<5	45	61	2
287572	.2	.52	15	<5	614	<10	5.16	1	16	14	265	3.23	.17	2.48	1314	2	.05	15	.09	3	.09	<2	<2	146	<5	.01	<5	66	64	61
287573	.1	.48	8	<5	31	<10	4.54	1	13	26	683	2.97	.15	1.71	1304	1	.04	17	.12	8	.06	<2	<2	125	<5	.02	<5	81	52	10
287574	.1	.90	12	<5	24	<10	4.61	2	15	29	138	3.71	.13	1.58	1211	1	.06	24	.13	7	.02	<2	<2	112	<5	.01	<5	124	76	6
287575	3.2	2.06	62	<5	93	<10	.72	3	14	62	3120	4.95	.14	1.01	733	42	.07	120	.08	107	.81	4	<2	30	10	.08	<5	62	348	295
287576	.1	2.33	5	<5	77	<10	1.44	1	8	47	60	3.06	.07	.52	221	2	.21	3	.07	4	.01	<2	<2	67	<5	.07	<5	160	19	20
287577	.1	.66	34	<5	21	<10	4.66	1	12	19	193	3.37	.18	1.60	1161	1	.06	14	.13	13	.02	3	<2	133	<5	.01	<5	84	58	6
287578	.2	.63	21	<5	19	<10	4.62	2	12	23	314	3.09	.15	1.76	1114	2	.05	15	.12	7	.03	<2	<2	105	<5	.01	<5	96	61	2
287579	.1	1.43	12	<5	33	<10	4.95	1	15	26	113	2.93	.11	1.42	1092	1	.04	22	.13	8	.02	<2	<2	84	<5	.02	<5	97	85	3
287580	.3	.76	6	<5	38	<10	5.17	1	13	18	343	2.86	.20	2.10	1488	2	.05	15	.11	10	.05	4	<2	121	<5	.01	<5	52	109	12
287581	.1	1.39	9	<5	18	<10	4.30	2	19	30	472	4.11	.10	1.82	1440	1	.04	24	.12	6	.06	<2	<2	87	<5	.01	<5	103	119	54
287582	.2	1.87	16	<5	19	<10	2.91	1	20	33	350	3.58	.08	2.41	1066	1	.05	22	.13	10	.14	2	<2	70	<5	.02	<5	112	89	180
287583	.1	1.99	14	<5	18	<10	2.85	2	17	31	139	4.62	.09	2.56	1169	2	.06	23	.12	7	.02	<2	<2	86	<5	.01	<5	129	95	25
287584	.1	2.17	23	<5	23	<10	3.34	1	16	32	77	4.29	.08	2.42	1185	1	.05	22	.11	8	.01	3	<2	146	<5	.01	<5	120	83	1
287585	.2	1.79	7	<5	15	<10	3.06	1	19	33	76	4.42	.09	2.04	1001	1	.06	23	.12	7	.17	<2	<2	101	<5	.02	<5	126	72	2
287586	.1	1.04	6	<5	17	<10	2.90	2	18	48	237	4.27	.06	1.51	744	2	.07	20	.14	6	.19	<2	<2	100	<5	.03	<5	155	45	1
287587	.1	1.20	29	<5	19	<10	2.75	1	15	32	109	3.56	.04	1.76	716	1	.06	21	.13	2	.10	<2	<2	131	<5	.02	<5	101	46	3
287588	.2	1.44	27	<5	18	<10	3.64	2	13	28	146	3.08	.06	2.05	963	2	.05	17	.12	6	.02	<2	<2	103	<5	.01	<5	76	73	2
287589	.1	1.50	6	<5	16	<10	3.92	1	16	25	165	3.89	.08	2.00	1181	1	.06	19	.13	5	.01	<2	<2	109	<5	.01	<5	99	81	3
287590	.1	1.32	31	<5	17	<10	3.58	2	17	40	39	3.74	.10	1.49	878	2	.05	22	.11	8	.09	6	<2	100	<5	.02	<5	95	63	1
287591	.2	.52	16	<5	19	<10	4.84	1	13	29	112	3.32	.09	1.93	1371	1	.04	17	.12	5	.02	3	<2	122	<5	.01	<5	77	66	1
287592	1.0	1.94	65	<5	132	<10	4.10	2	19	39	1021	5.08	.29	1.80	833	14	.10	26	.17	17	1.36	4	<2	116	9	.02	<5	130	115	130
287593	.1	2.73	5	<5	54	<10	1.53	<1	6	65	51	2.45	.06	.46	175	2	.28	5	.07	5	.01	3	<2	74	<5	.05	<5	150	30	12
287594	.1	.62	20	<5	19	<10	5.02	2	12	22	43	3.33	.12	2.22	1352	1	.05	19	.12	2	.02	<2	<2	119	<5	.01	<5	62	77	2
287595	.2	1.60	19	<5	18	<10	3.70	1	19	33	125	4.35	.07	1.79	1130	2	.06	28	.13	6	.03	<2	<2	108	<5	.01	<5	110	98	3
287596	.1	1.35	5	<5	293	<10	4.63	2	30	29	285	4.01	.11	2.11	1521	1	.05	22	.11	7	.15	3	<2	131	<5	.02	<5	93	86	1
287597	.1	.46	6	<5	901	<10	4.49	1	17	22	489	4.02	.12	1.39	1713	2	.04	20	.12	4	.09	<2	<2	101	<5	.01	<5	90	135	1
287598	.2	1.04	5	<5	39	<10	5.38	2	18	25	625	4.22	.17	1.32	1760	1	.03	24	.11	11	.08	3	<2	90	<5	.01	<5	86	167	2
287599	3.4	.34	43	<5	375	<10	7.11	4	14	15	732	3.15	.25	.56	2286	2	.02	10	.10	8	.10	102	<2	92	<5	.02	<5	23	220	1
287600	10.7	.37	42	<5	855	<10	6.94	5	9	22	533	2.03	.29	.30	1657	1	.03	9	.11	6	.08	167	<2	98	<5	.01	<5	27	196	2
287601	5.9	.28	107	<5	39	<10	7.59	4	7	32	1100	1.47	.20	.35	2037	2	.02	7	.08	19	.17	208	<2	93	<5	.01	<5	22	244	1

ELEMENT / SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	Au* ppb
287602	.5	.38	17	<5	955	<10	5.59	1	11	37	229	3.01	.24	.78	2036	1	.03	9	.11	7	.06	<2	<2	100	<5	.02	<5	41	177	1
287603	.1	.37	5	<5	56	<10	3.98	3	22	35	95	5.43	.19	1.20	2665	5	.02	12	.12	18	.29	<2	<2	63	<5	.01	<5	74	260	2
287604	.6	.38	21	<5	833	<10	5.40	2	15	32	1123	3.70	.17	1.40	2118	2	.03	11	.09	24	.15	11	<2	95	<5	.02	<5	57	193	1
287605	2.2	.52	5	<5	111	<10	4.83	3	13	36	1522	3.19	.20	.37	1808	4	.02	10	.10	17	.17	9	<2	72	<5	.01	<5	43	349	1
287606	3.9	.51	37	<5	411	<10	4.78	4	15	29	702	3.64	.21	.68	2340	1	.03	13	.11	32	.09	29	<2	78	<5	.01	<5	63	491	7
287607	1.6	.52	10	<5	271	<10	5.22	2	12	30	385	2.80	.20	.37	1880	2	.02	9	.10	17	.06	7	<2	75	<5	.02	<5	58	403	2
287608	1.5	.46	43	<5	687	<10	4.41	3	11	29	553	2.86	.22	1.09	2126	6	.03	8	.11	48	.24	6	<2	89	<5	.01	<5	50	325	3
287609	1.1	1.99	52	<5	129	<10	4.20	2	21	38	1053	5.68	.30	1.90	856	18	.11	25	.18	18	1.40	7	<2	120	9	.02	<5	130	119	135
287610	.1	2.73	12	<5	74	<10	1.53	1	6	48	38	2.46	.07	.48	209	2	.29	4	.08	6	.01	<2	<2	107	<5	.05	<5	147	25	10
287611	.1	1.42	25	<5	32	<10	2.65	2	18	40	251	4.97	.12	1.40	1699	4	.05	16	.12	11	.02	2	<2	50	<5	.04	<5	164	160	1
287612	.5	1.76	33	<5	43	<10	2.97	3	17	39	397	4.79	.13	1.76	1916	2	.04	15	.11	25	.08	<2	<2	51	<5	.01	<5	146	285	2
287613	.3	1.82	8	<5	44	<10	3.00	4	18	40	157	5.06	.12	1.83	2148	4	.03	16	.12	26	.03	<2	<2	49	<5	.01	<5	160	421	3
287614	.1	1.74	6	<5	34	<10	2.45	2	17	47	63	5.09	.13	1.80	1748	3	.04	15	.11	16	.01	<2	<2	51	<5	.03	<5	169	220	5
287615	.1	1.83	8	<5	73	<10	2.49	3	18	46	47	5.01	.17	1.74	1916	2	.03	14	.13	17	.02	<2	<2	39	<5	.01	<5	157	429	2

PIONEER LABORATORIES INC #103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5 TEL.(604)231-8165

A S S A Y C E R T I F I C A T E

Cu,Zn Analysis - 1.000 gm sample is digested with 50 ml of aqua regia, diluted to 100 ml with water and is finished by AA.

LOGAN COPPER INC.
Project: Logan Copper
Sample Type: Pulps

Analyst
Report No. 2102603
Date: March 19, 2010

SAMPLE	Cu %	Zn %
2092339 284057	4.79	-
2092339 284064	3.18	-
2092339 284076	1.70	-
2092339 284117	1.33	-
2092339 284164	2.22	-
2092360 284237	4.85	-
2092360 285164	1.12	-
2092438 287536	1.81	-
2092518 287831	-	1.36

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G E O C H E M I C A L A N A L Y S I S C E R T I F I C A T E

Cu Analysis - 1.000 gm sample is digested with 50 ml of aqua regia, diluted to 100 ml with water and is finished by AA.

SNL ENTERPRISES LTD.
Project: Logan Copper
Sample Type: Pulps

Analyst RSaw
Report No. 2102603A
Date: May 01, 2010

SAMPLE	Cu %
2092360 284237	4.90