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**Report
Of
Geophysics and MMI Surveys
on the**

Aurum Project

of

Superior Canadian Resources Inc.



**O'Sullivan and Maun Lake Areas
Thunder Bay Mining Division, Ontario
N.T.S. 42 L 6/NE and 42 L 7/NW**

November 19th, 2008
Thunder Bay, Ontario

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INTRODUCTION

Clark Exploration Consulting of Thunder Bay, Ontario was contracted by Superior Canadian Resources Inc. of Calgary, Alberta to plan, supervise and report on the geophysics survey (Magnetics and VLF-EM) and to incorporate the MMI survey in the report of the Aurum Project. The geophysics was completed on 41 lines over structures east and west O'Sullivan Lake Mine and areas of interest defined by the airborne surveys. The line cutters and technicians and support staff were housed at a trailer camp constructed at the old mine site. Camp operations including room and board were provided by Superior Canadian Resources.

The Aurum Project claims are underlain by Archean metavolcanics of the Wabigoon Belt of the Superior Province. The metavolcanics consist of mafic to intermediate flows and tuffs, which have been locally intruded by felsic dykes, sills and small stocks. All rocks in the area have been sheared or foliated in a north-easterly direction (045° to 065°) and there are numerous northeast-trending structures that have acted as conduits for hydrothermal, gold-bearing fluids.

The gold mineralization is consistently associated with quartz veins in or adjacent to quartz and quartz-feldspar porphyries, and occurs as both native gold and associated with sulphides.

PROPERTY DESCRIPTION and LOCATION

The Aurum Project consists of 27 contiguous, unsurveyed, unpatented claims in the O'Sullivan Lake and Maun Lake Areas (see Table 1). The property is approximately 35 km northwest of Nakina, Ontario, and approximately 300 km northeast of Thunder Bay, Ontario.

The claims are held in good standing by Superior Canadian Resources, and are illustrated on the O'Sullivan Lake and Maun Lake Areas claim sheets (G-0362 and G-0319) N.T.S. 42 L 6/NE and 42 L 7/NW.

Superior Canadian Resources Inc. also has the Consolidated Louanna Mine under option which is comprised of 21 partial patents.

Table 1. Aurum Project Claims

Claim Number	Recording Date	Claim Number	Recording Date
<u>3012083</u>	2003-Jan-31	<u>3012091</u>	2003-Jan-31
<u>3012084</u>	2003-Jan-31	<u>3012351</u>	2003-Apr-23
<u>3012086</u>	2003-Jan-31	<u>3012352</u>	2003-Apr-23
<u>3012087</u>	2003-Jan-31	<u>3012364</u>	2003-Apr-23
<u>3012089</u>	2003-Jan-31	<u>3014675</u>	2005-Oct-13
<u>3012090</u>	2003-Jan-31	<u>3014676</u>	2005-Oct-13
<u>3012092</u>	2003-Jan-31	<u>3014677</u>	2005-Oct-13
<u>1196090</u>	2002-Jun-13	<u>3014678</u>	2005-Oct-13
<u>1242501</u>	2002-Jun-13	<u>3014679</u>	2005-Oct-13
<u>1242503</u>	2002-Jun-13	<u>3014680</u>	2005-Oct-13
<u>1242504</u>	2002-Jun-13	<u>3014681</u>	2005-Oct-13
<u>3012082</u>	2003-Jan-31	<u>3014682</u>	2005-Oct-13
<u>3012085</u>	2003-Jan-31	<u>3014683</u>	2005-Oct-13
<u>3012088</u>	2003-Jan-31		

Table 2. Consolidated Louanna Patents

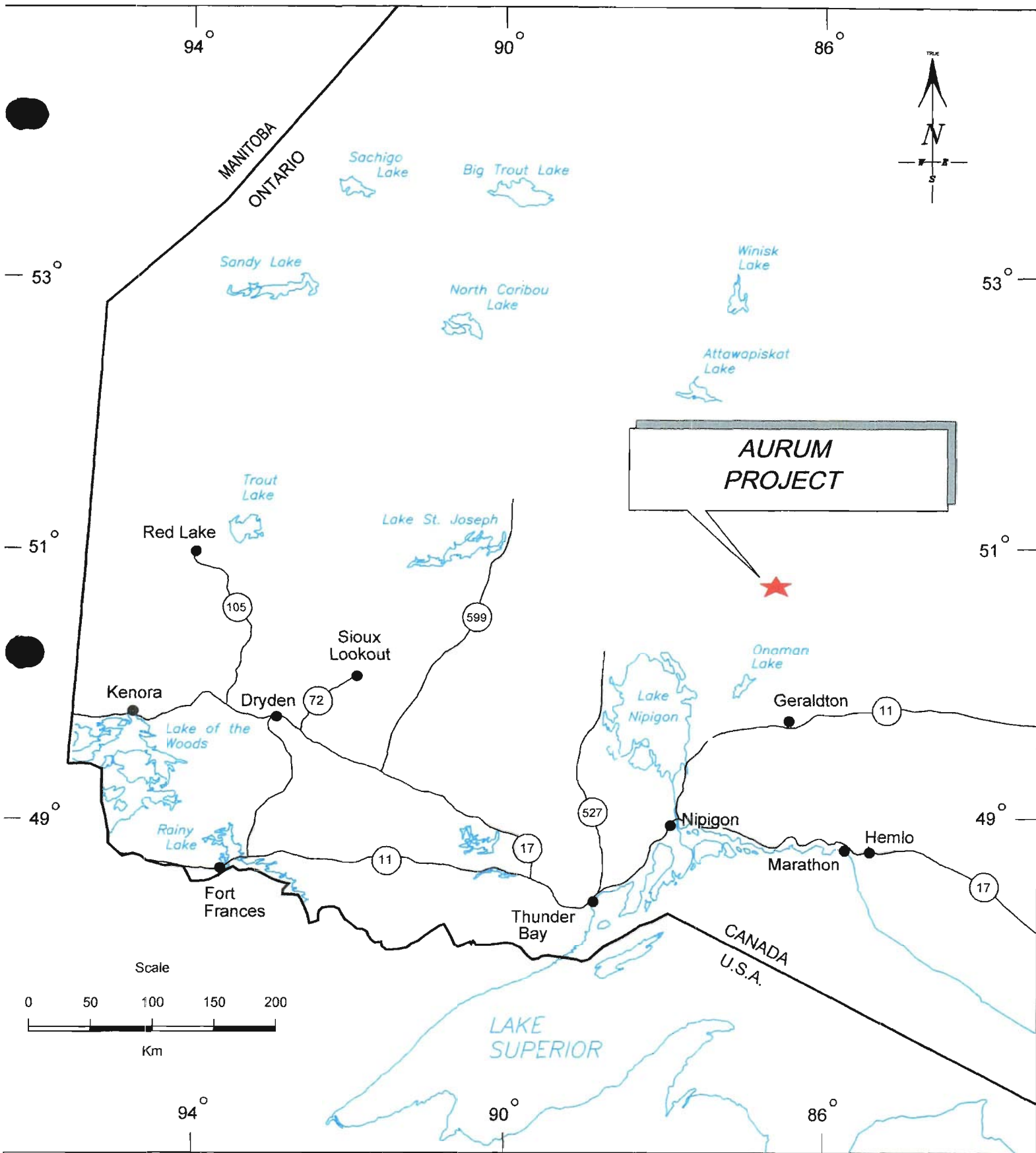
KK3199	KK3336
KK3200	KK3337
KK3201	KK3338
KK3202	KK3339
KK3203	KK3340
KK3204	KK3341
KK3205	KK3342
KK3206	KK3346
KK3207	KK3347
KK3334	KK3348
KK3335	

ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE and PHYSIOGRAPHY

The Superior Canadian Resources Dog Exploration Inc., Aurum Project is located in the O'Sullivan Lake and Maun Lake Areas, Thunder Bay Mining Division.

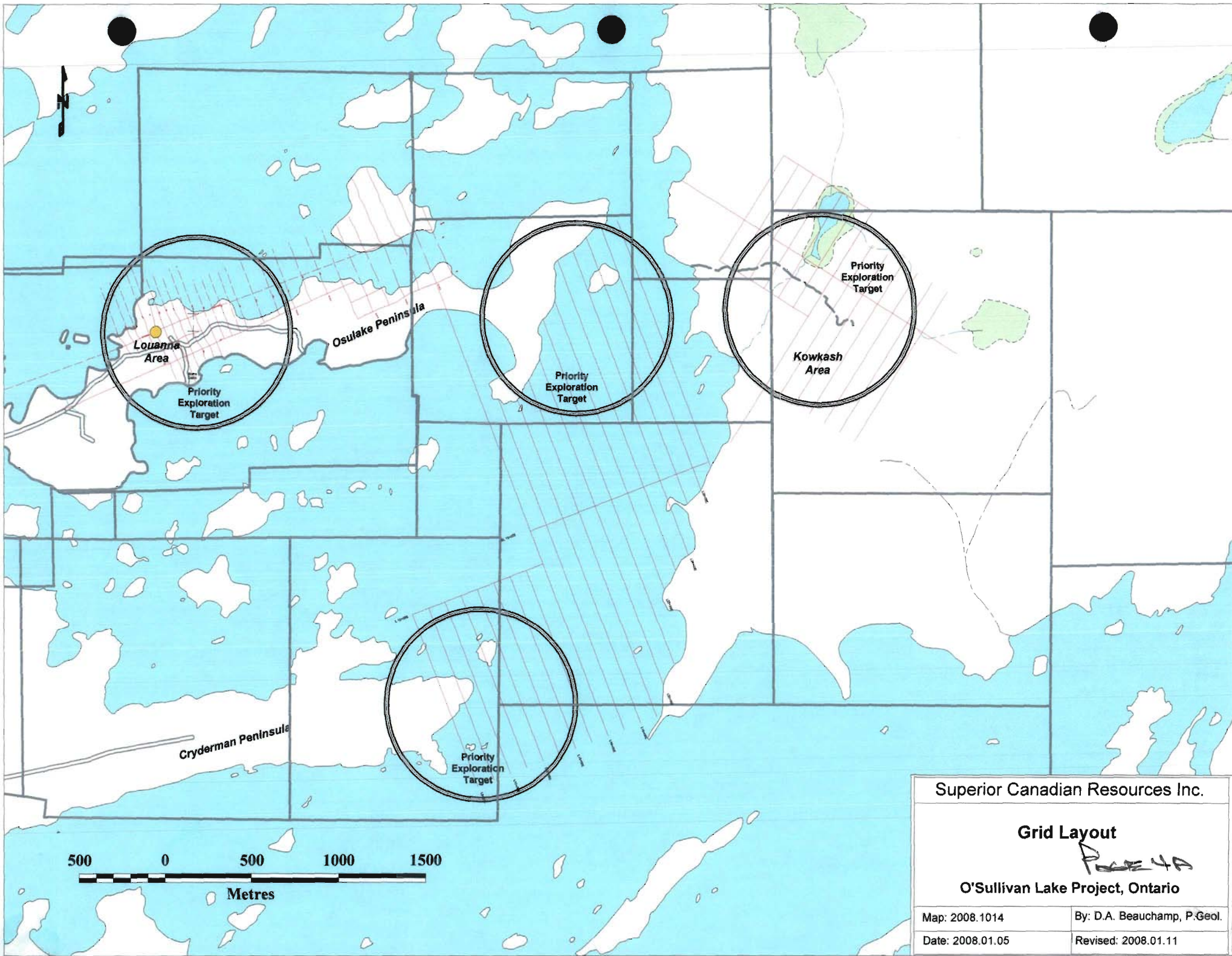
The O'Sullivan Lake property areas lie approximately 300 km northeast of Thunder Bay, Ontario and 35 km northwest of Nakina (Figure 1). The property is within the Beardmore-Geraldton area of the Thunder Bay Mining Division. The claim map sheets are O'Sullivan Lake, G-362 and Maun Lake, G-319 with latitude 50 27'20" and longitude 87 00'00" in the NTS 42L6NE and 42L7NW.

Access is via Highway 643 from Nakina north to O'Sullivan Lake and branching off on the road to the Consolidated Louanna Mine. From here, a boat will be needed to access the other side of the lake where the claims covering Hurd Lake Fault Zone have been staked.



● FIGURE 1

Regional-Scale Location Map



Superior Canadian Resources Inc.

Grid Layout

RUE 4A

O'Sullivan Lake Project, Ontario

Map: 2008.1014	By: D.A. Beauchamp, P.Geol.
Date: 2008.01.05	Revised: 2008.01.11



Louanna Area

Osulake Peninsula

Kowkash Area

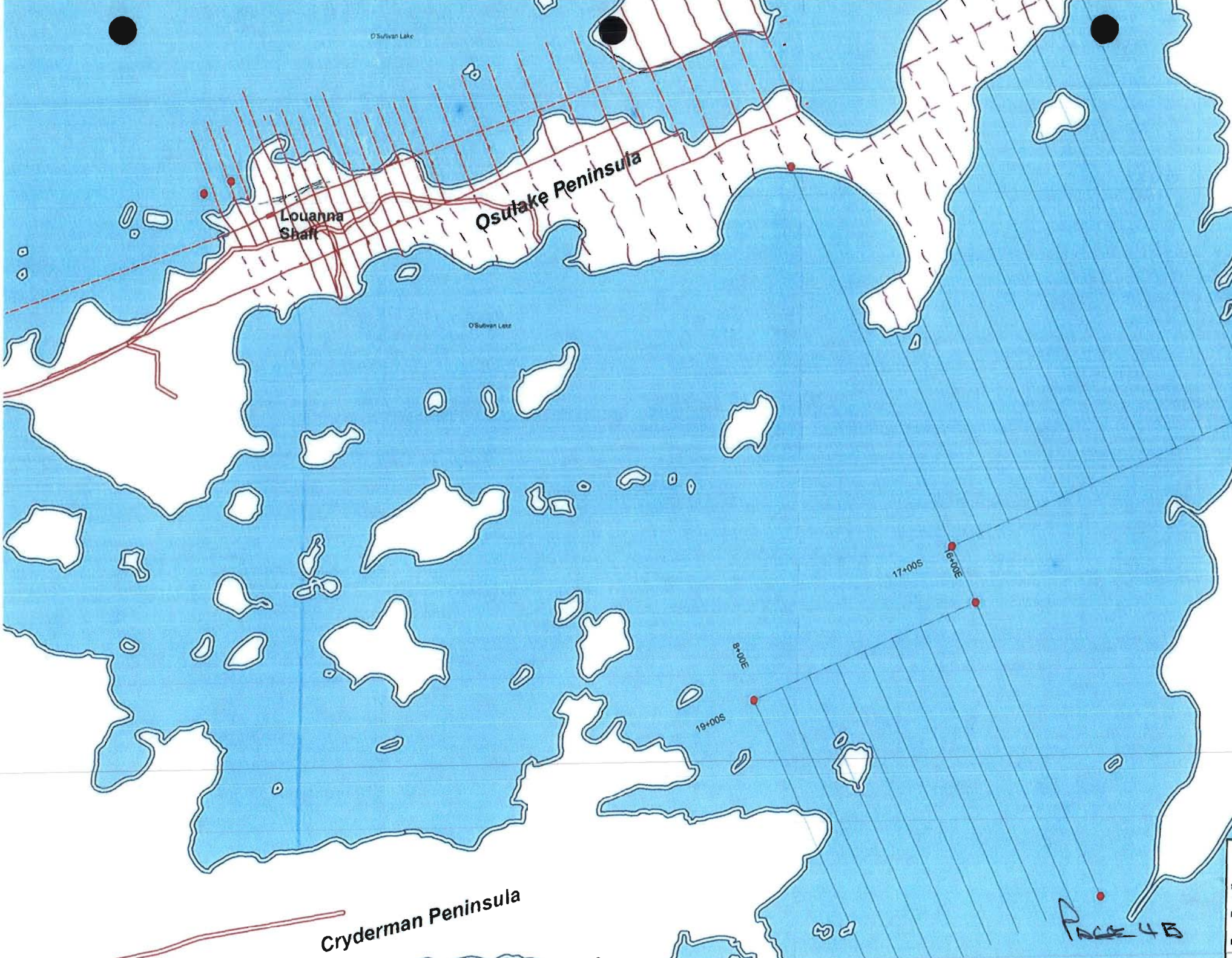
Cryderman Peninsula

Priority Exploration Target

Priority Exploration Target

Priority Exploration Target

Priority Exploration Target



O'Sullivan Lake

Qsulake Peninsula

Louanna Shaff

O'Sullivan Lake

Cryderman Peninsula

17+00S

6+00E

8+00E

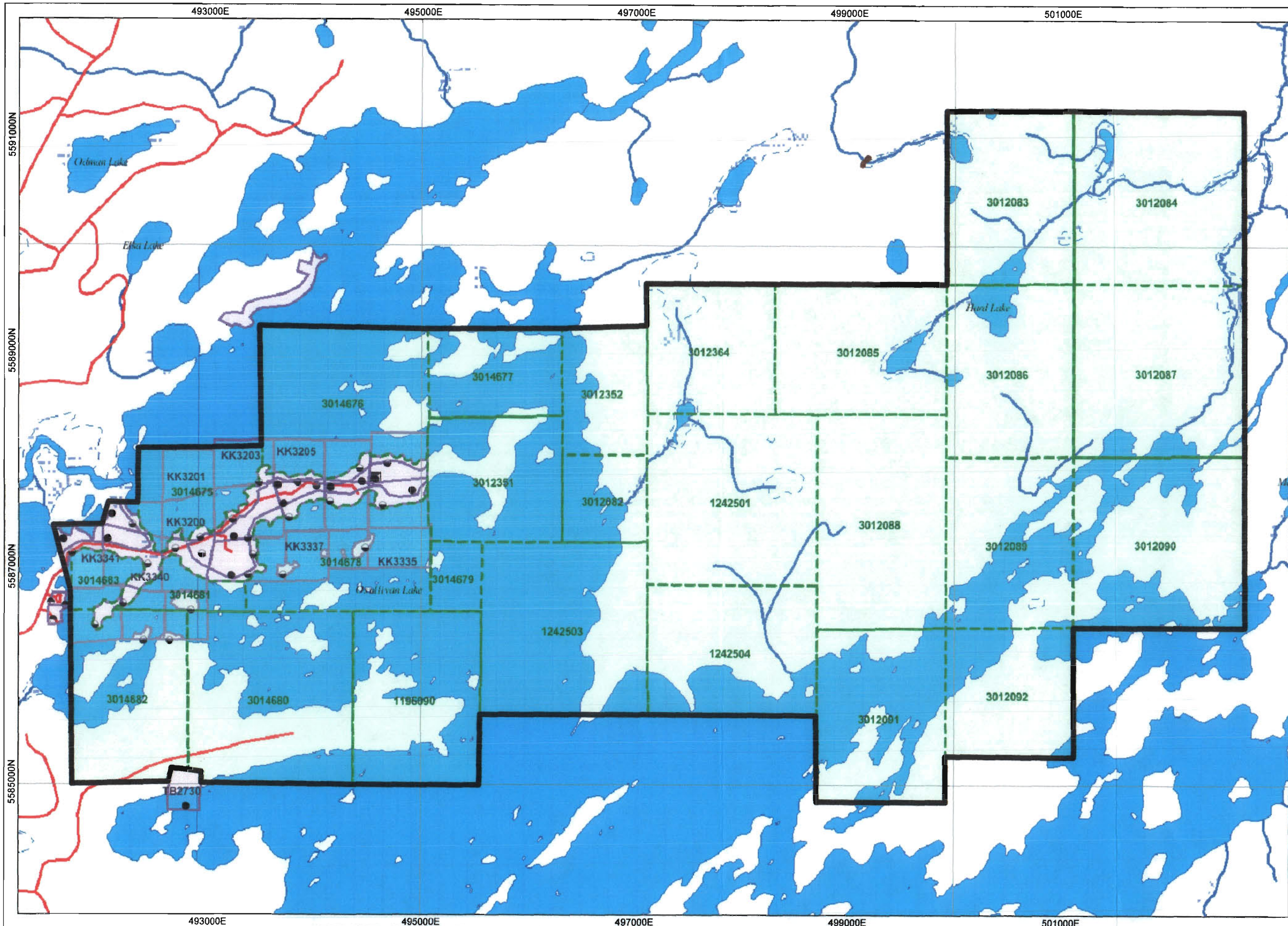
19+00S

6+00E

PAGE 4 B

F1
R1
B1





EXTERNAL CLAIM BOUNDARY



SUPERIOR CANADIAN RESOURCES INC
 O'SULLIVAN LAKE PROPERTY
 O'SULLIVAN LAKE AREA - THUNDER BAY MINING DIVISION
CLAIM DISPOSITION
 NAD 83 ZONE 16 G-0962
 November 2008
 CLARK EXPLORATION CONSULTING

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PROPERTY HISTORY

Gold mineralization was first reported in the O'Sullivan Lake area by Kindle (1931), who reported the gold on the Cryderman claims (on the west end of the Cryderman Peninsula, west of the current Aurum Project claims) occurred in quartz stringers in sheared porphyry, with associated extensive carbonatization of the adjacent volcanics.

The original claims of the Consolidated Louanna Gold Mine were staked in 1935 by Jack Miller. A shaft was eventually sunk on the property in 1947, on a mineralized zone in sheared tuffs and quartz porphyry. Sporadic work was performed on this property between 1947 and 1983, and in late 1983 production was reported from the mine, with the mill concentrating 190 – 200 tons per day. Production continued until the mill closed in October 1984, with a total of approximately 70,00 tons milled at a grade of 0.22 ounces/ton (Mason and White, 1986).

The area was mapped in detail by the Ontario Department of Mines in 1947 and 1948 by Moorhouse (1956). Recent government work has included an airborne electromagnetic and magnetic geophysical survey in 1989, and mapping by Parker and Stott (1998).

Some of the showings on the current Aurum Project claims have been worked since the 1940's, with work being reported in the MNM assessment files in 1950. A summary of the previous work is presented in Table 2, and is taken from Moorhouse (1956), and the MNM assessment files located in the Thunder Bay Resident Geologist's office. Most of the assessment files did not include assay results or certificates since they were not required when the work was done; as a result the values from the older work could not be verified.

GEOLOGICAL SETTING

REGIONAL GEOLOGY AND DEPOSIT TYPES

The O'Sullivan Lake area is underlain by an Archean Metavolcanic sequence of the Wabigoon Subprovince. The metavolcanic sequence trends east-west to northeast, dips sub-vertically and youngs to the north. The belt consists of massive to pillowed mafic flows intercalated with metasediments and intermediate tuffs overlain by a narrow belt of felsic to intermediate tuffs and metasediments.

Intrusives of mafic and felsic composition are intruded both conformably and unconformably into the volcanics. The mafic intrusives include diorite and gabbro sills and dykes. Felsic intrusives range from quartz feldspar porphyry dykes and sills to small granitoid bodies.

The metamorphic grade of the belt ranges from greenschist facies to upper greenschist-lower amphibolite facies near the granitoid intrusives. The strongest structural imprint on the area is a northeast fabric developed as a regional schistosity and locally as kilometre-scale faults. These faults have been noted by numerous authors and correspond to the northeast-trending lineaments.

The area is covered by a variable thickness of glacial outwash which includes sand, till, and local esker material.

The O'Sullivan Lake Belt is host to the past-producing Lake OSU Gold Mine (Consolidated Louanna Gold Mine). The mine property was first explored in detail in 1935. This work led to the sinking of a shaft to the 150 foot level in 1947. Extensive but sporadic work was carried out from 1947 until 1984, with overall production of approximately 15 400 ounces of gold. The ore zones of the mine occur within a strongly sheared and altered mafic to intermediate tuffaceous horizon. The tuff horizon is hosted by massive to pillowed mafic flows. The tuffaceous band has been the focus of shearing, porphyry intrusion and associated alteration. The intrusions consist of quartz- and quartz-feldspar porphyries, are irregular in shape and size, and are frequently sheared. The alteration of the tuffaceous horizon consists of pervasive carbonate and weak sericite with intense silicification and sericitization near the intrusive contacts.

The mineralization at the mine is associated with bluish quartz veins hosted by the quartz-feldspar porphyries and the sheared tuff. The veins contain up to 15% sulphides (pyrite, pyrrhotite, arsenopyrite, sphalerite, and chalcopyrite) and native gold.

2008 GEOPHYSICAL PROGRAM

Superior Canadian Resources completed a magnetic and VLF-EM survey over approximately 40.55 kilometres of cut and ice grid. The grid was oriented with wing lines at 339 degrees. A GSM 19 magnetometer and VLF-EM system was utilized for the data collection. Due to the orientation of the gold mineralized structures a TX 27 transmitter was used to collect VLF-EM data as well as utilizing the transmitter at Cutler, Maine. Todd Maitland completed the geophysical survey from January 22/08 to January 28/08. The line cutting and gridding was completed from June 01/07 to just prior to commencement of the magnetic survey by consulting staff of Superior Canadian. The consulting staff included at various times 2 -3 men crews each working independent of each other under the supervision of the project manager at either end of the grid along with a surveyors assistant and his tools. The total man days accumulated on the grid totalled 1075 covering all personal involved. The geophysical data is presented in Appendix I.

DISCUSSION OF GEOPHYSICAL RESULTS

The area covered by the ground geophysical survey includes a few lines to the west of the Louanna shaft and an area extending east of there for about 1500m. Further south a larger area was covered within O'Sullivan Lake.

The ten GPS readings of the grid location showed that the grid was well located in the field and on the lake. The grid measurements were excellent and matched up very well. Plotting of the geophysical data was somewhat difficult and time-consuming.

The field crew reported difficulties with the data from the TX-27 transmitter and recommended not using the data. The VLF-EM data for Cutler was used.

The magnetometer data is good and appears to have been well processed. In the lake, it shows a zone of magnetic low to the south, possibly changing to a different geological domain toward the north where a higher magnetic background predominates. A structure shown as a zone of magnetic high trends northeast (#1 on Plate 1) and could possibly represent a diabase dyke, although these dykes generally trend north-northwest. The area near Cryderman Point shows higher magnetometer readings and reflects the gabbroic rocks reported in geological mapping.

Only one subtle feature in the lake could correspond to a magnetic low, possibly indicating hydrothermal alteration and possible injection of quartz porphyry (#2 Plate 1). On the Louanna Grid, several zones of magnetic high may indicate the edges of diabase dykes (#1, 2 Plate 2). The zones of magnetic low may indicate zones of shearing that have been injected by quartz porphyry.

Two such zones of magnetic low are located on the island in the northeastern part of the grid where outcrops of quartz porphyry were mapped. The one at the northern end of the island is on the northern edge of the survey and only the a few readings were taken there (#3, Plate 2).

At the southern end of the island a broad elongated magnetic crosses at least three grid lines and is oriented parallel to the general strike of the rocks. A large outcrop of quartz porphyry was mapped near this area (#4, Plate 2).

Another zone is present immediately to the south of the island on the south shore, where another elongated magnetic low may represent a zone of shearing and injection of quartz porphyry, rocks that have been associated with gold mineralization (#5, Plate 2). Further west the magnetic patterns are less distinct and may have been complicated by late diabase dykes.

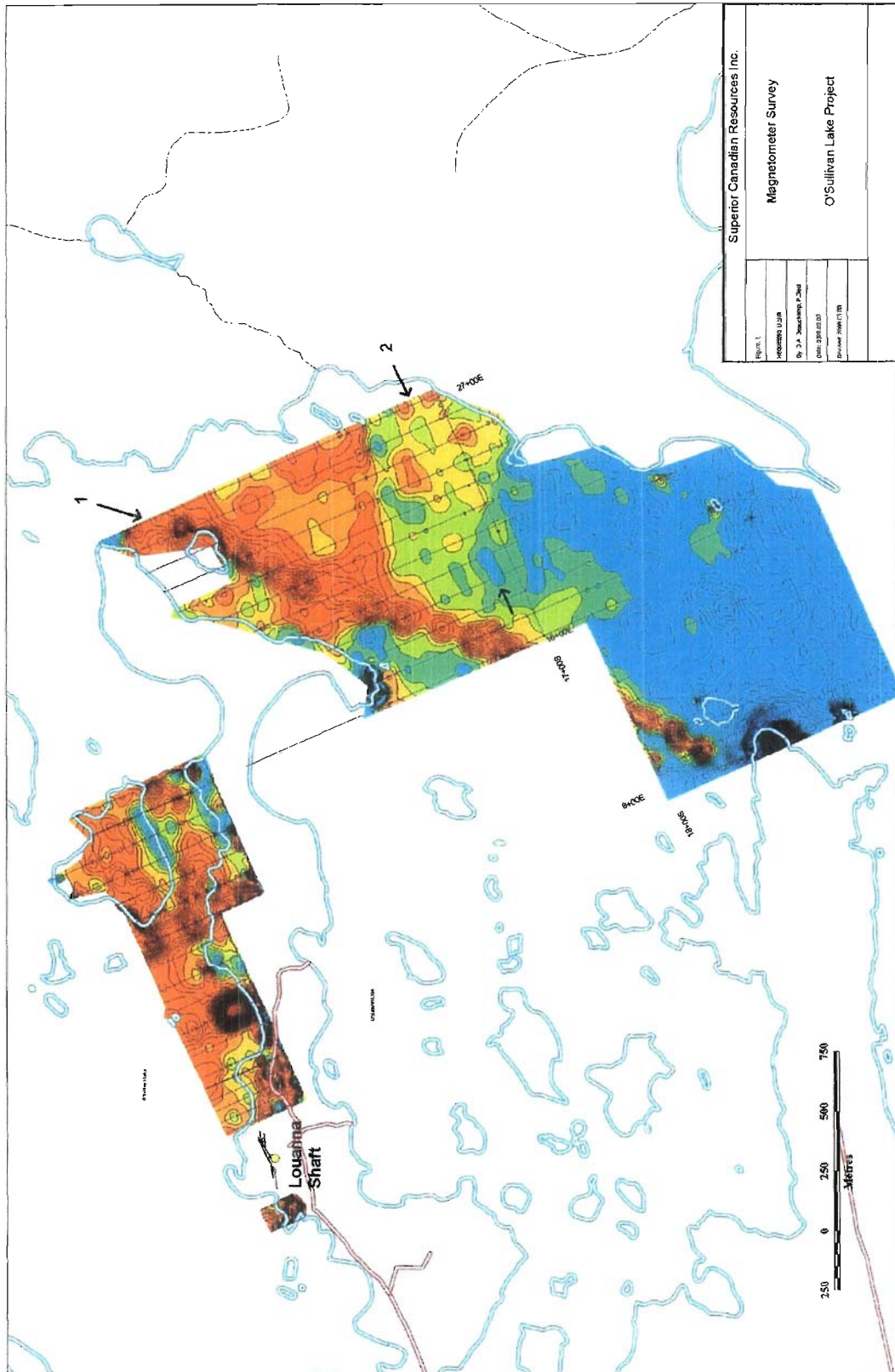


Plate 1

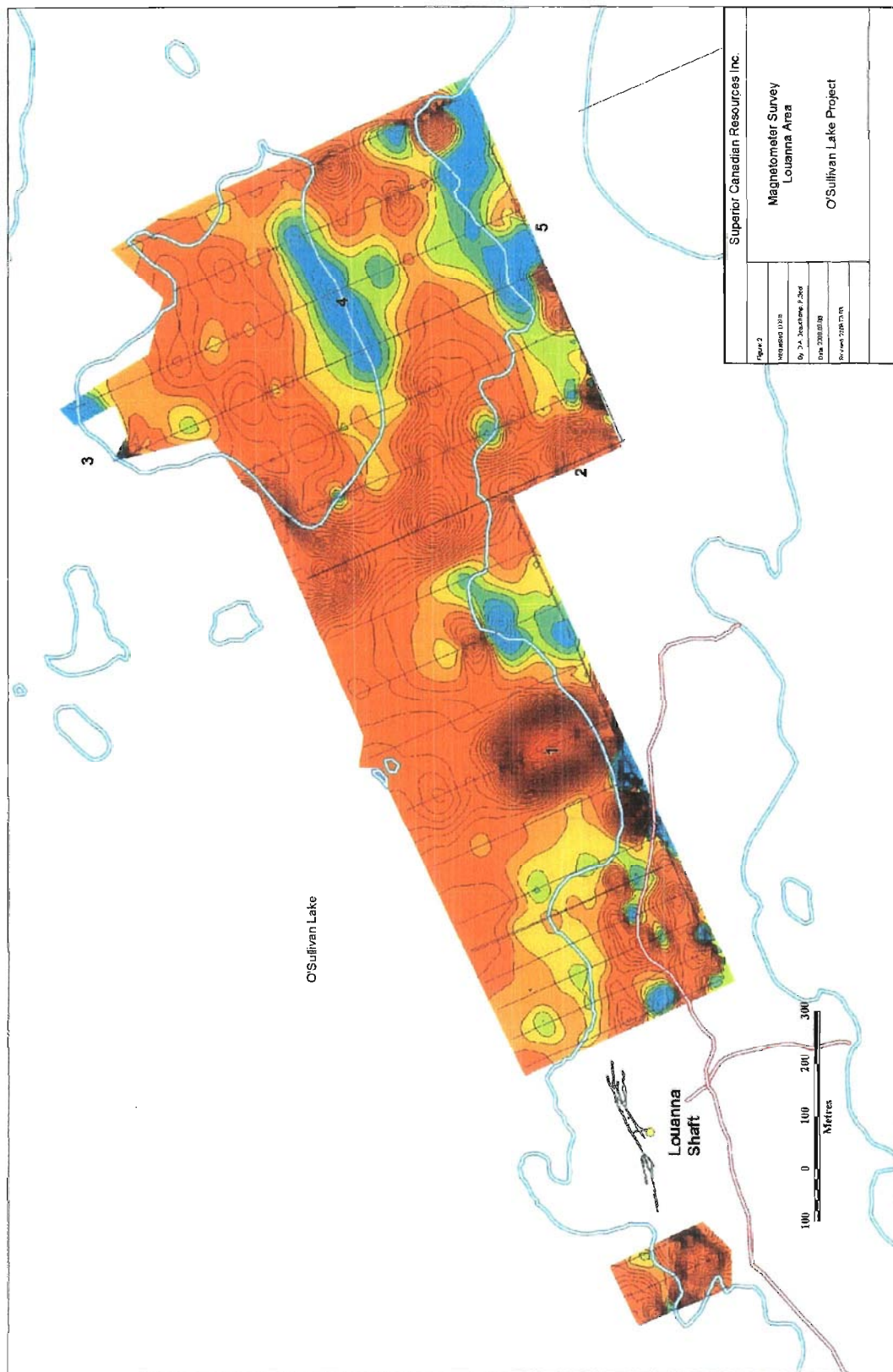


Plate 2

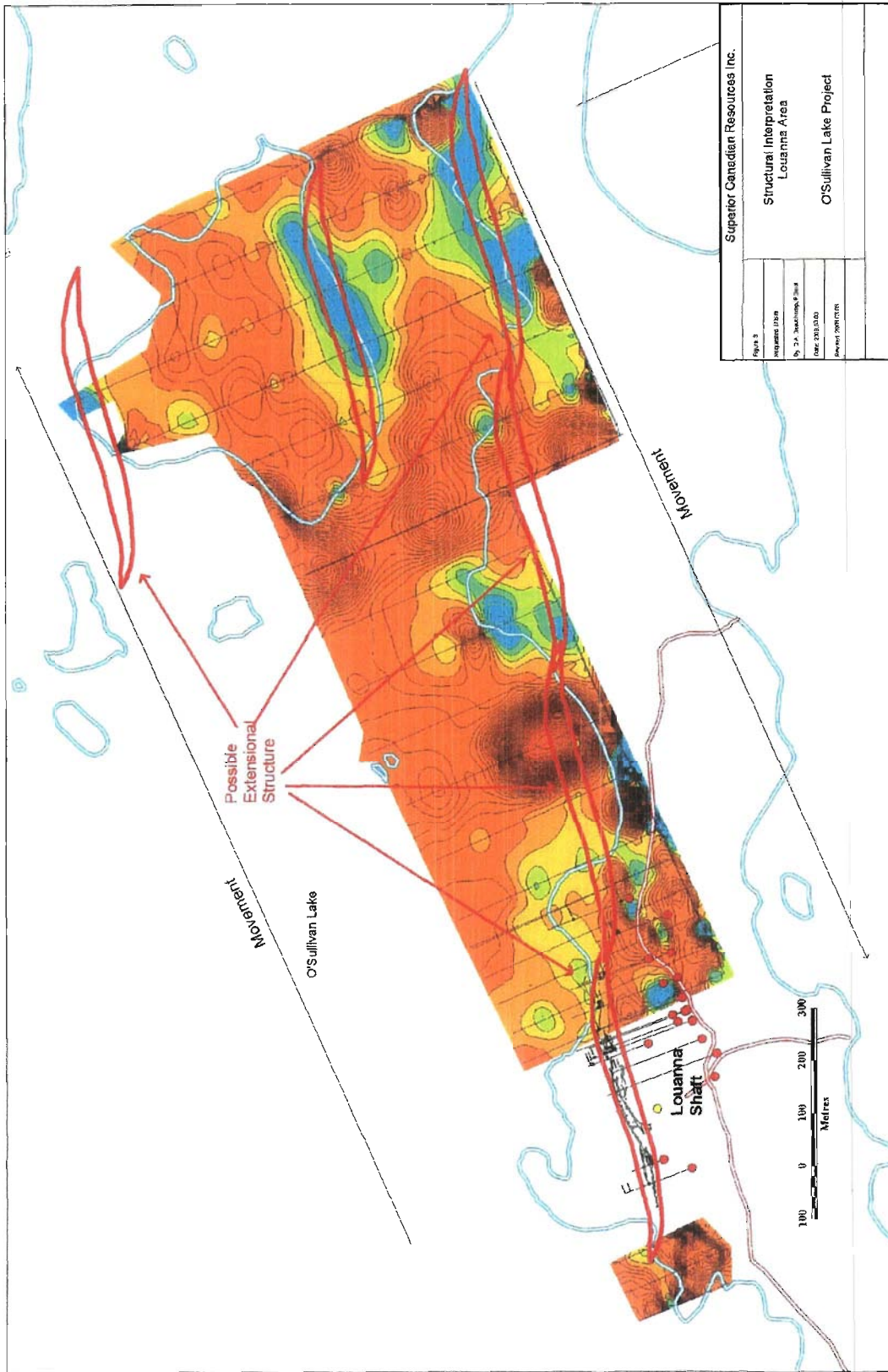


Plate 3

VLF-EM RESULTS

The VLF-EM survey indicates some short length weak conductors. Numerous cross overs seem to match shorelines and may be shoreline response. The Cutler data is presented in Map 3. The data acquired from the TX 27 transmitter was not deemed as usable for plotting as the values were extreme. The raw data is presented in Appendix I.

MMI SURVEY INTERPRETATION and CONCLUSIONS

The MMI is presented as Appendix II.

INTERPRETATION

Geology

The mafic tuff described in the core is spatially associated with the quartz eye tuff and these two rock types are always found within thick zones of mafic volcanic rocks. It has been suggested that the faulting and shearing may have preferentially localized along the mafic tuff unit.

It is probable that the mafic tuff is the result of extensive shearing of the mafic volcanic rock in a right-lateral extensional terrain, and that this zone of weakness was later intruded by quartz porphyry, described as quartz eye tuff in the current drilling.

In his notes, M. Young also questioned that the mafic tuff horizon may "not a rock type but a deformational texture" (Internal report to Superior Canadian Resources, December 2006).

The mafic tuff horizons were most likely formed by shearing the mafic volcanic rocks and they are spatially associated with the gold mineralization. The voids and zones of weakness in the rock were later injected with the quartz porphyry, or quartz eye tuff. These can appear as zones of magnetic low.

Structure

Near the shaft at the Louanna Mine, the zone of mineralization and the envelope of shearing surrounding it generally trend at 069°. Further east, the gold mineralization intersected in drill core shows a gradual bending to the southeast (Plate 3, #1).

In plan view, this may well be due to a structure known as a right-lateral zone of extensional shearing in a ductile fault zone. This type of structure is occasionally referred to as a cymoid or as a rhombochasm. This concept is supported by Young in his field notes, who described extensive right-lateral shearing at Louanna.

At Louanna, these extensional shear zones are relatively thin and elongated at the regional trend of 069°, and may be offset en echelon to the southeast. This conforms to the general appearance of the magnetic low shown on the maps.

In longitudinal section, Young describes the mineralization as plunging deeply to the east, although a lineation has been mapped in the area as plunging 55-75° to the west. Other than a general impression that the mineralization appears to plunge to the southeast, there is little geological information to support this view, although this view will continue to be supported until hard evidence is obtained.

CONCLUSION

- The mineralization and the geological environment are typical of quartz and quartz-carbonate mineralization in Archean volcanic rocks.
- The mafic tuff is more likely a zone of shearing within the mafic volcanic rocks.
- The regional structure is typical of en echelon extensional shear zones striking 069° but may be offset to the southeast.
- The grid should be extended north of the island (#3, Plate 1) before the end of the winter season to determine the full extent and geometry of the magnetic low.
- When diamond drilling resumes, serious consideration should be given to drilling the magnetic lows at #3, #4 and #5 from Plate 1.

REFERENCES

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- Clark, J.G., and Eveleigh, A.J. 1992. Summary Report on the Hurd Lake Property for Mercier Limited Inc.
- Clark, J.G., and Nelson, B. 1998. 1998 OPAP Report for the O'Sullivan Lake Project for Mike Atkins and Todd Maitland.
- Kindle, L.F., 1931. Kowkash-Ogoki Area, Thunder Bay District; Ontario Department of Mines, Annual Report 1931, Volume 40, Part 4, p. 55-104. Accompanied by Map 40F, scale 1:126 720.
- Mason, J., and White, G., 1986. Gold Occurrences, Prospects, and Deposits of the Beardmore-Geraldton Area, Districts of Thunder Bay and Cochrane; Ontario Geological Survey, Open File Report 5630, 680p., 21 figures, 11 tables, and 1 map in back pocket.
- Moorhouse, W.W., 1956. Geology of the O'Sullivan Lake Area, District of Thunder Bay, Ontario; Annual Report, 1955, Vol. 64, Part 4, p. 1-32.
- Parker, J.R. and Stott, G.M., 1998. Precambrian Geology, O'Sullivan Lake Area (west half), north-eastern Onaman-Tashota greenstone belt, eastern Wabigoon Subprovince; Ontario Geological Survey, Preliminary Map P.3377, scale 1:20 000.

Appendix I: Magnetic and VLF-EM Data

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
-200	200	493414	5587706	57815	*	*	*	24	65.2	11.1
-200	212.5	493409	5587717	57820	*	*	*	24	55.6	8.8
-200	225	493404	5587729	57766	*	*	*	24	46.8	8.1
-200	237.5	493399	5587740	57815	*	*	*	24	37.6	3.4
-200	250	493394	5587752	57860	*	*	*	24	27.2	-4.6
-200	262.5	493389	5587763	58119	*	*	*	24	14.7	-15.4
-200	275	493384	5587774	57916	*	*	*	24	7.8	-21
-200	287.5	493379	5587786	57771	*	*	*	24	-8.2	-20.2
-200	300	493374	5587797	57681	*	*	*	24	-15.7	-13.1
-200	312.5	493369	5587809	57970	*	*	*	24	-14.6	-3.3
-200	325	493364	5587820	57844	*	*	*	24	-11.7	4.3
-200	337.5	493359	5587832	57836	*	*	*	24	-7.6	7.5
-200	350	493354	5587843	57834	*	*	*	24	-4.1	7.9
-150	175	493470	5587703	57859	*	*	*	24	44.5	15.1
-150	187.5	493465	5587714	57862	*	*	*	24	34.2	7
-150	200	493460	5587725	58085	*	*	*	24	26	4.9
-150	212.5	493455	5587737	57852	*	*	*	24	20.4	2.4
-150	225	493450	5587748	57930	*	*	*	24	10.6	1.5
-150	237.5	493445	5587760	57876	*	*	*	24	3.6	-7.1
-150	250	493440	5587771	58026	*	*	*	24	-5.8	-12.7
-150	262.5	493435	5587783	57813	*	*	*	24	-14.9	-15.8
-150	275	493430	5587794	57767	*	*	*	24	-28.2	-24.3
-150	287.5	493425	5587806	57765	*	*	*	24	-39.9	-31.1
-150	300	493420	5587817	57803	*	*	*	24	-43.4	-20.1
-150	312.5	493415	5587829	57817	*	*	*	24	-33.2	-5.9
-150	325	493410	5587840	57829	*	*	*	24	-21.4	1.5
-150	337.5	493405	5587852	57836	*	*	*	24	-12.1	2.3
-150	350	493400	5587863	57838	*	*	*	24	-3.1	6.1
-100	200	493506	5587745	58178	*	*	*	24	-13.5	-5.8
-100	212.5	493501	5587757	57944	*	*	*	24	-18.6	-9.5
-100	225	493496	5587768	57865	*	*	*	24	-30.3	-13.6
-100	237.5	493491	5587780	57766	*	*	*	24	-45.4	-23.3
-100	250	493486	5587791	57797	*	*	*	24	-57.6	-27.1
-100	262.5	493481	5587803	57831	*	*	*	24	-70.8	-28.4
-100	275	493476	5587814	57767	*	*	*	24	-45.8	-12.7
-100	287.5	493471	5587826	57755	*	*	*	24	-31.7	-5.1

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
-100	300	493466	5587837	57763	*	*	*	24	-19.2	-0.4
-100	312.5	493461	5587849	57776	*	*	*	24	-10.7	4.9
-100	325	493456	5587860	57798	*	*	*	24	-4.3	6.3
-100	337.5	493451	5587872	57790	*	*	*	24	4.2	10.3
-100	350	493446	5587883	57795	*	*	*	24	9.9	12.1
250	0	493906	5587701	57758	18.6	-14.5	20.3	24	48.6	6.4
250	12.5	493901	5587712	57730	18.6	-4.2	22.3	24	55	14.7
250	25	493896	5587724	57737	18.6	-25.7	38.9	24	48.2	11.6
250	37.5	493891	5587735	57810	18.6	-39.9	47.3	24	41.8	9.9
250	50	493886	5587747	57839	18.6	-51.4	53.8	24	32.3	6.3
250	62.5	493881	5587758	57811	18.6	-62.4	60.1	24	25.5	1.8
250	75	493876	5587770	57883	18.6	-75.1	66.5	24	18.7	-1
250	87.5	493871	5587781	57669	18.6	-88.1	77.9	24	10.5	-8.7
250	100	493866	5587792	57721	18.6	-105.1	77.6	24	4	-14.1
250	112.5	493861	5587804	57598	18.6	-125.2	81.6	24	-3	-20.2
250	125	493857	5587815	57802	18.6	-200	141.3	24	-10.6	-39.6
250	137.5	493852	5587827	57806	18.6	-130.8	77.1	24	-26	-37.1
250	150	493847	5587838	57812	18.6	-88.2	62	24	-26.4	-17.9
250	162.5	493842	5587850	57856	18.6	-73.5	56	24	-29.6	-7.8
250	175	493837	5587861	57803	18.6	-63.8	55.5	24	-29.6	-3.9
250	187.5	493832	5587873	57793	18.6	-47.9	54.6	24	-26.9	4.3
250	200	493827	5587884	57785	18.6	-38.5	55.6	24	-26.8	6.5
250	212.5	493822	5587896	57780	18.6	-33.8	56.9	24	-25.9	8.8
250	225	493817	5587907	57770	18.6	-29.9	60.5	24	-25.5	9.4
250	237.5	493812	5587919	57772	18.6	-27.7	59.1	24	-24.8	10.3
250	250	493807	5587930	57776	18.6	-24.9	60.6	24	-22.6	9.4
250	262.5	493802	5587942	57779	18.6	-19	57.8	24	-19	12.7
250	275	493797	5587953	57777	18.6	-12.9	58.4	24	-16.4	15
250	287.5	493792	5587965	57778	18.6	-9.6	60.6	24	-16.4	16.6
250	300	493787	5587976	57782	18.6	-9.5	60	24	-16.8	15.1
250	312.5	493782	5587988	57786	18.6	-8	58.9	24	-15.9	15.4
250	325	493777	5587999	57790	18.6	-3	56.3	24	-13	18.3
250	337.5	493772	5588011	57790	18.6	1.1	51.9	24	-10.6	18.2
250	350	493767	5588022	57797	18.6	5.9	50.8	24	-9.3	16.3
300	0	493952	5587721	57870	18.6	33.3	-40.4	24	-20.5	3
300	12.5	493947	5587732	57860	18.6	21.4	-41.3	24	-23.9	-5.8

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
450	287.5	493976	5588044	57787	18.6	-13.7	55.6	24	-13.2	10.2
450	300	493971	5588055	57794	18.6	-14	54.8	24	-11.7	6.4
450	312.5	493966	5588067	57799	18.6	-10	49.6	24	-11	7.9
450	325	493961	5588078	57803	18.6	-8.7	50	24	-8.8	5.4
450	337.5	493956	5588090	57803	18.6	-1.7	43.1	24	-5.2	8
450	350	493951	5588101	57799	18.6	3.5	38.9	24	-1.8	7.4
500	0	494136	5587800	57805	18.6	47.5	-71.5	24	13.1	6.8
500	12.5	494131	5587811	57754	18.6	59.9	-77.1	24	20.4	10.8
500	25	494126	5587823	57776	18.6	74.4	-86	24	25.9	15.7
500	37.5	494121	5587834	57764	18.6	88.3	-98.4	24	36.7	26.8
500	50	494116	5587846	57796	18.6	96.4	-95.8	24	47.9	31.2
500	62.5	494111	5587857	57772	18.6	108.5	-104.7	24	65.8	33.5
500	75	494106	5587869	57749	18.6	107.1	-86.1	24	70.1	27.3
500	87.5	494101	5587880	57780	18.6	80	-63.7	24	54	12.1
500	100	494096	5587892	57762	18.6	63.8	-59.9	24	44.6	4.1
500	112.5	494091	5587903	57763	18.6	56.5	-58.8	24	40	1.6
500	125	494086	5587915	57762	18.6	48.6	-55.1	24	33.5	-2.2
500	137.5	494081	5587926	57768	18.6	41.1	-50.5	24	28.6	-4.7
500	150	494076	5587938	57762	18.6	37.8	-52	24	24.3	-3.4
500	162.5	494071	5587949	57770	18.6	30.6	-49.8	24	20	-4.4
500	175	494066	5587961	57779	18.6	27.1	-50.1	24	18	-5.5
500	187.5	494061	5587972	57770	18.6	20.9	-48.2	24	15.4	-7.7
500	200	494056	5587984	57762	18.6	20.4	-48.2	24	12.8	-7.1
500	212.5	494051	5587995	57753	18.6	17.9	-48.3	24	12.4	-7.8
500	225	494046	5588006	57754	18.6	16.8	-48.3	24	11.9	-8.8
500	237.5	494041	5588018	57771	18.6	18.7	-47.3	24	13.1	-7.7
500	250	494036	5588029	57791	18.6	15.3	-47.6	24	11	-8.4
500	262.5	494032	5588041	57797	18.6	13.2	-46.2	24	11.1	-7.7
500	275	494027	5588052	57803	18.6	12.4	-44.2	24	9.5	-7.1
500	287.5	494022	5588064	57805	18.6	6.6	-41.9	24	6.5	-7
500	300	494017	5588075	57800	18.6	4.6	-37.8	24	3.9	-5.4
500	312.5	494012	5588087	57798	18.6	0.2	-38.1	24	2.4	-8.1
500	325	494007	5588098	57797	18.6	0.1	-35.5	24	0.9	-6.8
500	337.5	494002	5588110	57805	18.6	-2.8	-34.1	24	0	-5.7
500	350	493997	5588121	57805	18.6	-3.4	-31.2	24	-0.9	-4
600	0	494227	5587840	57904	18.6	-84.6	104.1	24	-46	-24.1

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
450	287.5	493976	5588044	57787	18.6	-13.7	55.6	24	-13.2	10.2
450	300	493971	5588055	57794	18.6	-14	54.8	24	-11.7	6.4
450	312.5	493966	5588067	57799	18.6	-10	49.6	24	-11	7.9
450	325	493961	5588078	57803	18.6	-8.7	50	24	-8.8	5.4
450	337.5	493956	5588090	57803	18.6	-1.7	43.1	24	-5.2	8
450	350	493951	5588101	57799	18.6	3.5	38.9	24	-1.8	7.4
500	0	494136	5587800	57805	18.6	47.5	-71.5	24	13.1	6.8
500	12.5	494131	5587811	57754	18.6	59.9	-77.1	24	20.4	10.8
500	25	494126	5587823	57776	18.6	74.4	-86	24	25.9	15.7
500	37.5	494121	5587834	57764	18.6	88.3	-98.4	24	36.7	26.8
500	50	494116	5587846	57796	18.6	96.4	-95.8	24	47.9	31.2
500	62.5	494111	5587857	57772	18.6	108.5	-104.7	24	65.8	33.5
500	75	494106	5587869	57749	18.6	107.1	-86.1	24	70.1	27.3
500	87.5	494101	5587880	57780	18.6	80	-63.7	24	54	12.1
500	100	494096	5587892	57762	18.6	63.8	-59.9	24	44.6	4.1
500	112.5	494091	5587903	57763	18.6	56.5	-58.8	24	40	1.6
500	125	494086	5587915	57762	18.6	48.6	-55.1	24	33.5	-2.2
500	137.5	494081	5587926	57768	18.6	41.1	-50.5	24	28.6	-4.7
500	150	494076	5587938	57762	18.6	37.8	-52	24	24.3	-3.4
500	162.5	494071	5587949	57770	18.6	30.6	-49.8	24	20	-4.4
500	175	494066	5587961	57779	18.6	27.1	-50.1	24	18	-5.5
500	187.5	494061	5587972	57770	18.6	20.9	-48.2	24	15.4	-7.7
500	200	494056	5587984	57762	18.6	20.4	-48.2	24	12.8	-7.1
500	212.5	494051	5587995	57753	18.6	17.9	-48.3	24	12.4	-7.8
500	225	494046	5588006	57754	18.6	16.8	-48.3	24	11.9	-8.8
500	237.5	494041	5588018	57771	18.6	18.7	-47.3	24	13.1	-7.7
500	250	494036	5588029	57791	18.6	15.3	-47.6	24	11	-8.4
500	262.5	494032	5588041	57797	18.6	13.2	-46.2	24	11.1	-7.7
500	275	494027	5588052	57803	18.6	12.4	-44.2	24	9.5	-7.1
500	287.5	494022	5588064	57805	18.6	6.6	-41.9	24	6.5	-7
500	300	494017	5588075	57800	18.6	4.6	-37.8	24	3.9	-5.4
500	312.5	494012	5588087	57798	18.6	0.2	-38.1	24	2.4	-8.1
500	325	494007	5588098	57797	18.6	0.1	-35.5	24	0.9	-6.8
500	337.5	494002	5588110	57805	18.6	-2.8	-34.1	24	0	-5.7
500	350	493997	5588121	57805	18.6	-3.4	-31.2	24	-0.9	-4
600	0	494227	5587840	57904	18.6	-84.6	104.1	24	-46	-24.1

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
600	12.5	494222	5587851	57489	18.6	-99.5	103.7	24	-55.8	-27.4
600	25	494217	5587863	57737	18.6	-117.9	123.5	24	-72.1	-39.1
600	37.5	494213	5587874	57770	18.6	-130.6	108.3	24	-85.1	-37.6
600	50	494208	5587886	57782	18.6	-104.5	85.2	24	-69.7	-20.8
600	62.5	494203	5587897	57789	18.6	-76	59.8	24	-51.1	-9.4
600	75	494198	5587908	57800	18.6	-52.9	52.7	24	-31.9	-2.9
600	87.5	494193	5587920	57783	18.6	-32	45	24	-17.9	1.4
600	100	494188	5587931	57766	18.6	-15.5	42.7	24	-5.6	5.6
600	112.5	494183	5587943	57766	18.6	-7.7	45	24	0.2	7
600	125	494178	5587954	57782	18.6	-8.8	48.5	24	-3.1	7.1
600	137.5	494173	5587966	57776	18.6	-11.9	51.3	24	-5.6	7.9
600	150	494168	5587977	57785	18.6	-14.3	51.6	24	-6.8	7.4
600	162.5	494163	5587989	57781	18.6	-11.5	50.7	24	-6.1	6.8
600	175	494158	5588000	57781	18.6	-8.1	49.5	24	-4.3	6.7
600	187.5	494153	5588012	57785	18.6	-7.1	48.3	24	-3.1	4.8
600	200	494148	5588023	57786	18.6	-4	45.6	24	-1.8	5.1
600	212.5	494143	5588035	57792	18.6	-1.5	44.4	24	0.6	5.3
600	225	494138	5588046	57795	18.6	-1.1	42	24	1.4	4.4
600	237.5	494133	5588058	57789	18.6	0.5	37.2	24	3.6	4.1
600	250	494128	5588069	57791	18.6	3.8	37.1	24	6.3	4.3
600	262.5	494123	5588081	57781	18.6	4.6	34.5	24	7.7	2.8
600	275	494118	5588092	57781	18.6	5.6	32.2	24	8	0.8
600	287.5	494113	5588104	57787	18.6	8	29.4	24	10.2	2.4
600	300	494108	5588115	57788	18.6	9.7	29.3	24	11	1.2
600	312.5	494104	5588127	57791	18.6	9.8	28.3	24	12.2	1.2
600	325	494099	5588138	57797	18.6	12.1	27.3	24	10.3	2.7
600	337.5	494094	5588149	57791	18.6	12.6	26.6	24	11.3	0.6
600	350	494089	5588161	57789	18.6	14.8	27.7	24	11.1	2.9
700	0	494319	5587879	57877	18.6	76.5	-71.4	24	50.9	11.3
700	12.5	494314	5587891	57896	18.6	61.9	-63.4	24	41	5.4
700	25	494309	5587902	57926	18.6	58.3	-59.2	24	38.3	3.3
700	37.5	494304	5587914	57984	18.6	51.1	-53.7	24	33.2	-0.1
700	50	494299	5587925	58066	18.6	44.2	-51.3	24	28.3	-2.2
700	62.5	494294	5587937	58163	18.6	37.1	-49.9	24	22.4	-3.3
700	75	494289	5587948	58224	18.6	28.9	-49.6	24	16.1	-5.4
700	87.5	494284	5587960	58224	18.6	28.3	-51.2	24	16.8	-6.8

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
700	100	494280	5587971	58245	18.6	27.4	-50.4	24	17	-7
700	112.5	494275	5587983	58221	18.6	15.6	-46.7	24	8.4	-8.8
700	125	494270	5587994	58217	18.6	9.3	-49.1	24	4.5	-10.9
700	137.5	494265	5588006	58232	18.6	9.9	-53.5	24	7.5	-12
700	150	494260	5588017	58188	18.6	20.3	-61.6	24	14.5	-8.2
700	162.5	494255	5588028	58118	18.6	29.7	-63.8	24	21.7	-6.2
700	175	494250	5588040	57984	18.6	30.2	-61.2	24	20	-4.7
700	187.5	494245	5588051	57880	18.6	26.5	-53.5	24	19.3	-5.9
700	200	494240	5588063	57853	18.6	20.9	-49.6	24	13.3	-7.2
700	212.5	494235	5588074	57830	18.6	13.2	-44.3	24	8	-6.9
700	225	494230	5588086	57819	18.6	7.7	-39.7	24	4.1	-7.1
700	237.5	494225	5588097	57811	18.6	1.1	-34.8	24	-0.6	-6.4
700	250	494220	5588109	57814	18.6	-3.9	-31.3	24	-5.6	-5.7
700	262.5	494215	5588120	57822	18.6	-10	-28.4	24	-7.3	-6.2
700	275	494210	5588132	57832	18.6	-12.3	-25.6	24	-10.4	-5.6
700	287.5	494205	5588143	57855	18.6	-15.4	-23.4	24	-12	-5.7
700	300	494200	5588155	57849	18.6	-18.6	-21.9	24	-14.8	-8.2
700	312.5	494195	5588166	57842	18.6	-22.2	-21.8	24	-16.1	-10.6
700	325	494190	5588178	57836	18.6	-25.3	-23	24	-16.7	-15.9
700	337.5	494185	5588189	57831	18.6	-24.6	-25.4	24	-15.8	-16.5
700	350	494180	5588201	57819	18.6	-23.2	-29	24	-13	-19.2
800	-2950	495585	5585200	57670	18.6	-24.8	3.7	24	-11.5	10.8
800	-2937.5	495580	5585211	57666	18.6	-26.5	4.3	24	-14.5	9.3
800	-2925	495575	5585223	57662	18.6	-26.9	1.6	24	-14.9	7.3
800	-2912.5	495570	5585234	57661	18.6	-22.5	-0.1	24	-15.3	2.4
800	-2900	495565	5585246	57664	18.6	-16.8	1	24	-9.6	3.6
800	-2887.5	495560	5585257	57668	18.6	-12	2.6	24	-4.4	4.3
800	-2875	495555	5585269	57673	18.6	-10.9	1.4	24	-0.4	2
800	-2862.5	495550	5585280	57669	18.6	-12	4.2	24	5.2	4.7
800	-2850	495545	5585292	57658	18.6	-4.3	6	24	8	4.1
800	-2837.5	495540	5585303	57655	18.6	-4.5	3.7	24	13.6	2.7
800	-2825	495535	5585315	57667	18.6	2.6	6.3	24	14.8	4
800	-2812.5	495531	5585326	57677	18.6	-0.6	6.3	24	15.7	2.6
800	-2800	495526	5585338	57682	18.6	-4.7	4.1	24	13.8	-0.4
800	-2787.5	495521	5585349	57686	18.6	-8.2	5.5	24	11	-2.2
800	-2775	495516	5585361	57683	18.6	-13	6.9	24	8	-1.9

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
800	-2762.5	495511	5585372	57675	18.6	-17.5	7.6	24	5.7	-2.4
800	-2750	495506	5585384	57667	18.6	-26.5	6.5	24	4.9	-2.3
800	-2737.5	495501	5585395	57670	18.6	-32.3	5.5	24	5.5	-3.1
800	-2725	495496	5585407	57672	18.6	-37.4	5.1	24	16.5	7
800	-2712.5	495491	5585418	58246	18.6	-22.2	9.5	24	31.6	17.5
800	-2700	495486	5585430	57548	18.6	-17	11.5	24	39.8	18.7
800	-2687.5	495481	5585441	56712	18.6	-4.3	19.6	24	53.2	30.1
800	-2675	495476	5585452	57678	18.6	11.7	19.2	24	53.1	16.5
800	-2662.5	495471	5585464	57674	18.6	15.8	13.9	24	48	6.5
800	-2650	495466	5585475	57672	18.6	20.2	11.3	24	42.7	0.5
800	-2637.5	495461	5585487	57659	18.6	35.2	13.7	24	38.7	-6.3
800	-2625	495456	5585498	57657	18.6	22.1	1.3	24	35.4	-6.3
800	-2612.5	495451	5585510	57648	18.6	22.6	0.4	24	32.8	-7.5
800	-2600	495446	5585521	57630	18.6	19.2	-4.4	24	27.5	-11.1
800	-2587.5	495441	5585533	57613	18.6	15.1	-5.2	24	22.9	-14.4
800	-2575	495436	5585544	57606	18.6	12.3	-6.8	24	19.3	-15
800	-2562.5	495431	5585556	57602	18.6	9.1	-8.7	24	15.4	-19.1
800	-2550	495426	5585567	57601	18.6	5.8	-8.5	24	10.7	-19.7
800	-2537.5	495422	5585579	57600	18.6	2.3	-8.7	24	7.4	-22.5
800	-2525	495417	5585590	57602	18.6	1	-8.9	24	6.1	-23.2
800	-2512.5	495412	5585602	57612	18.6	2.3	-10.8	24	8.2	-27.2
800	-2500	495407	5585613	57639	18.6	0.4	-10.7	24	5.5	-30.1
800	-2487.5	495402	5585625	57706	18.6	0.1	-10.8	24	8.3	-37.1
800	-2475	495397	5585636	57823	18.6	1.7	-11.7	24	13.1	-42.9
800	-2462.5	495392	5585648	58034	18.6	4.6	-10.8	24	30.4	-48.5
800	-2450	495387	5585659	58290	18.6	5.8	-11	24	41.2	-53
800	-2437.5	495382	5585671	58827	18.6	12.2	-11.9	24	70.6	-45.2
800	-2425	495377	5585682	59412	18.6	13.5	-8	24	68.9	-44.1
800	-2412.5	495372	5585693	58138	18.6	22.5	-6	24	65.7	-39.1
800	-2400	495367	5585705	61149	18.6	27.2	-5.1	24	67.8	-32.7
800	-2387.5	495362	5585716	58616	18.6	28.1	-1.5	24	71	-27.2
800	-2375	495357	5585728	58169	18.6	33	-1.6	24	77.9	-25.4
800	-2362.5	495352	5585739	58305	18.6	42.1	0.2	24	81.4	-28.3
800	-2350	495347	5585751	57457	18.6	45.5	1.3	24	82	-20.2
800	-2337.5	495342	5585762	57241	18.6	51.6	3.1	24	88.7	-18.8
800	-2325	495337	5585774	57895	18.6	53.3	3.6	24	85.7	-13.4

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
800	-2312.5	495327	5585797	56514	18.6	75.5	9.6	24	107.5	-10.4
800	-2312.5	495332	5585785	56495	18.6	72.3	6.6	24	106	-12.3
800	-2300	495322	5585808	57358	18.6	75.7	7.1	24	112.6	-6.5
800	-2287.5	495317	5585820	57397	18.6	85	12.4	24	118.7	-2.1
800	-2275	495313	5585831	57426	18.6	88.7	10.9	24	116.5	-1.7
800	-2262.5	495308	5585843	57673	18.6	88.1	3.1	24	101.4	-4.7
800	-2250	495303	5585854	57593	18.6	73.1	-5.2	24	78.7	-13.1
800	-2237.5	495298	5585866	57546	18.6	64.2	-10.4	24	68.4	-15.2
800	-2225	495293	5585877	57554	18.6	52.4	-12.7	24	56.6	-16.8
800	-2212.5	495288	5585889	57582	18.6	41	-12	24	47.2	-15.6
800	-2200	495283	5585900	57619	18.6	32.9	-11.1	24	36.4	-13.8
800	-2187.5	495278	5585912	57655	18.6	24.7	-9.5	24	24.8	-11.5
800	-2175	495273	5585923	57692	18.6	14.8	-6.4	24	13.6	-7.4
800	-2162.5	495268	5585934	57725	18.6	3.4	-2	24	0	-6.9
800	-2150	495263	5585946	57733	18.6	-7.3	0.7	24	-12.2	-5.3
800	-2137.5	495258	5585957	57701	18.6	-10.8	2.4	24	-20.5	-1.4
800	-2125	495253	5585969	57659	18.6	-14.4	3.5	24	-26.8	-1.7
800	-2112.5	495248	5585980	57641	18.6	-11.7	2.8	24	-21.1	0.3
800	-2100	495243	5585992	57636	18.6	-6.9	1	24	-16.8	-1.7
800	-2087.5	495238	5586003	57637	18.6	-1.7	0.3	24	-9.7	-4.9
800	-2075	495233	5586015	57647	18.6	2.5	-1.4	24	-3.9	-6.1
800	-2062.5	495228	5586026	57655	18.6	7.1	-3.1	24	0.8	-6.7
800	-2050	495223	5586038	57659	18.6	13.1	-4.8	24	7.8	-7.7
800	-2037.5	495218	5586049	57662	18.6	14.2	-6.7	24	10.1	-12.1
800	-2025	495213	5586061	57668	18.6	15.3	-6.5	24	13.8	-10
800	-2012.5	495209	5586072	57677	18.6	15.4	-7.9	24	14.9	-11.6
800	-2000	495204	5586084	57686	18.6	14.9	-7.9	24	15.2	-11.3
800	-1987.5	495199	5586095	57687	18.6	12.7	-8.4	24	13.8	-12.5
800	-1975	495194	5586107	57685	18.6	8.7	-7.2	24	9.8	-14.1
800	-1962.5	495189	5586118	57686	18.6	5.9	-7.3	24	6.4	-14
800	-1950	495184	5586130	57688	18.6	6.5	-7.8	24	3.7	-14.9
800	-1937.5	495179	5586141	57696	18.6	7.3	-8.2	24	6.9	-15.8
800	-1925	495174	5586153	57694	18.6	7.2	-9.3	24	10.3	-18.4
800	-1912.5	495169	5586164	57692	18.6	15.8	-10.7	24	15.6	-15.2
800	-1900	495164	5586176	57690	18.6	11.9	-10.4	24	13.8	-17.6
800	0	494411	5587920	57767	18.6	-11	77.5	24	17.7	9.1

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
800	12.5	494406	5587931	57772	18.6	-33	85.3	24	20.9	8.8
800	25	494401	5587943	57785	18.6	-21.5	81	24	21.7	9.3
800	37.5	494396	5587954	57778	18.6	-24.5	82.3	24	20.7	10.5
800	50	494391	5587966	57776	18.6	-32.3	81.7	24	23.7	12
800	62.5	494386	5587977	57785	18.6	-27.8	79.6	24	22.2	14.1
800	75	494381	5587989	57778	18.6	-30.6	77.8	24	18.2	13.4
800	87.5	494376	5588000	57782	18.6	-34.9	74.8	24	16.2	13.8
800	100	494371	5588012	57801	18.6	-36	68.8	24	10.3	11.7
800	112.5	494366	5588023	57815	18.6	-34.4	65.5	24	2.1	11.3
800	125	494361	5588035	57805	18.6	-26.8	64.3	24	-6.1	11.7
800	137.5	494356	5588046	57801	18.6	-24.3	62.9	24	-14	12.6
800	150	494352	5588058	57793	18.6	-24.5	61.9	24	-20.6	9.5
800	162.5	494347	5588069	57792	18.6	-22.9	63.8	24	-24.7	10.7
800	175	494342	5588081	57804	18.6	-21.7	60.7	24	-23.2	10.9
800	187.5	494337	5588092	57810	18.6	-14	56.6	24	-18	12.9
800	200	494332	5588104	57809	18.6	-9.4	52.8	24	-14.4	9.7
800	212.5	494327	5588115	57812	18.6	1.3	46.1	24	-9.1	13.5
800	225	494322	5588127	57814	18.6	5.4	38.8	24	-6.5	11
800	237.5	494317	5588138	57817	18.6	10.6	31.5	24	-4.8	8.4
800	250	494312	5588149	57821	18.6	17.5	19.8	24	-2.3	11.7
800	262.5	494307	5588161	57824	18.6	20.5	16.4	24	-1	5.8
800	275	494302	5588172	57822	18.6	24.8	7.1	24	3.2	6.2
800	287.5	494297	5588184	57820	18.6	30.9	-2.3	24	5.8	8.9
800	300	494292	5588195	57821	18.6	37.2	-9.4	24	6.4	8.5
800	312.5	494287	5588207	57828	18.6	43	-11.5	24	-0.1	9.3
800	325	494282	5588218	57823	18.6	42.5	-6.2	24	-12.5	6.7
800	337.5	494277	5588230	57828	18.6	40.2	-1.6	24	-23.6	4.1
800	350	494272	5588241	57825	18.6	36	5	24	-32.9	6
800	362.5	494267	5588253	57823	18.6	34.4	8.5	24	-40.9	5.1
800	375	494262	5588264	57834	18.6	31.5	12.5	24	-43.8	4
900	-2950	495677	5585240	57684	18.6	8.7	-14.6	24	13.7	-3.5
900	-2937.5	495672	5585251	57688	18.6	3.6	-14.4	24	15.9	0.1
900	-2925	495667	5585263	57681	18.6	-3.4	-12.1	24	16.1	0.6
900	-2912.5	495662	5585274	57679	18.6	-3.3	-8.5	24	14.8	-0.7
900	-2900	495657	5585286	57666	18.6	-6.4	-9.6	24	10.1	2.1
900	-2887.5	495652	5585297	57663	18.6	-13.9	-9.5	24	5.3	3.8

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
900	-2875	495647	5585309	57672	18.6	-21.5	-6.7	24	-3.1	2.7
900	-2862.5	495642	5585320	57683	18.6	-22.3	-7.3	24	-7.6	4.1
900	-2850	495637	5585332	57690	18.6	-21.1	-3.8	24	-9.6	5.7
900	-2837.5	495632	5585343	57695	18.6	-20.6	-4.1	24	-10	6.7
900	-2825	495627	5585354	57696	18.6	-20.3	-1.3	24	-11.2	9.4
900	-2812.5	495622	5585366	57697	18.6	-21.2	-2.1	24	-10.2	11.1
900	-2800	495617	5585377	57696	18.6	-18.4	-2	24	-9.2	11.5
900	-2787.5	495612	5585389	57691	18.6	-15	-3	24	-6.7	11.2
900	-2775	495607	5585400	57684	18.6	-11.3	-3.4	24	-5.1	8.8
900	-2762.5	495602	5585412	57676	18.6	-10.7	-5.3	24	-4.5	10.2
900	-2750	495598	5585423	57666	18.6	-2.8	-1.6	24	-5.4	9.8
900	-2737.5	495593	5585435	57657	18.6	-7.2	-5.7	24	-7.9	11.7
900	-2725	495588	5585446	57655	18.6	-10.6	-9.7	24	-11.6	7.9
900	-2712.5	495583	5585458	57662	18.6	-12.2	-7	24	-14.9	13.2
900	-2700	495578	5585469	57673	18.6	-18.1	-7.9	24	-18.3	10.6
900	-2687.5	495573	5585481	57681	18.6	-18.8	-7.6	24	-19.5	12.4
900	-2675	495568	5585492	57690	18.6	-22.4	-6.9	24	-19.7	11.7
900	-2662.5	495563	5585504	57697	18.6	-20.1	-4	24	-20.2	10.4
900	-2650	495558	5585515	57698	18.6	-21.2	-1.6	24	-17.6	11.7
900	-2637.5	495553	5585527	57698	18.6	-17.7	-0.8	24	-13.7	11.7
900	-2625	495548	5585538	57692	18.6	-16.4	1.4	24	-10.5	12.6
900	-2612.5	495543	5585550	57685	18.6	-12.8	1.4	24	-7.4	9.9
900	-2600	495538	5585561	57676	18.6	-11.7	3.3	24	-4.8	9.2
900	-2587.5	495533	5585573	57662	18.6	-10.7	2.3	24	-1.8	9.4
900	-2575	495528	5585584	57650	18.6	-9.2	3.6	24	-0.7	11.5
900	-2562.5	495523	5585595	57642	18.6	-8.4	4.3	24	0.3	8.5
900	-2550	495518	5585607	57638	18.6	-8.8	4.5	24	2.3	8.9
900	-2537.5	495513	5585618	57633	18.6	-7	5.4	24	1.9	9.4
900	-2525	495508	5585630	57629	18.6	-9.1	5.5	24	4.1	8
900	-2512.5	495503	5585641	57622	18.6	-7	5.2	24	3	10.8
900	-2500	495498	5585653	57615	18.6	-9.1	9.4	24	1.8	12.3
900	-2487.5	495494	5585664	57607	18.6	-9.4	9.3	24	2.1	14.5
900	-2475	495489	5585676	57595	18.6	-12.9	10	24	0.9	15.5
900	-2462.5	495484	5585687	57582	18.6	-13.9	10.5	24	-1.8	18.7
900	-2450	495479	5585699	57566	18.6	-14.9	9	24	-1.6	24.7
900	-2437.5	495474	5585710	57549	18.6	-18.9	8.6	24	-6.5	32.2

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
900	-2425	495469	5585722	57531	18.6	-27.2	8.4	24	-17.1	36.1
900	-2412.5	495464	5585733	57516	18.6	-34	10.5	24	-23.3	39.7
900	-2400	495459	5585745	57497	18.6	-44.4	5.8	24	-39.8	42.3
900	-2387.5	495454	5585756	57457	18.6	-51.4	4.7	24	-56.6	33.9
900	-2375	495449	5585768	57438	18.6	-58.6	4.8	24	-58.1	37.9
900	-2362.5	495444	5585779	57447	18.6	-58	2.1	24	-63.7	23.9
900	-2350	495439	5585791	57479	18.6	-61.3	4.3	24	-63.1	21.1
900	-2337.5	495434	5585802	57521	18.6	-49.6	3.9	24	-53.3	14.2
900	-2325	495429	5585814	57559	18.6	-40.4	2.9	24	-44	12.1
900	-2312.5	495424	5585825	57600	18.6	-31.9	4.1	24	-34.4	11.6
900	-2300	495419	5585836	57635	18.6	-26.9	2.6	24	-26	10.3
900	-2287.5	495414	5585848	57649	18.6	-21.7	2.4	24	-18.7	7.9
900	-2275	495409	5585859	57643	18.6	-16.6	1.5	24	-11.1	7.3
900	-2262.5	495404	5585871	57645	18.6	-6.8	1.1	24	-4.2	8.4
900	-2250	495399	5585882	57668	18.6	-4.1	-0.1	24	4.5	4.8
900	-2237.5	495394	5585894	57680	18.6	4.6	-0.1	24	14	5.4
900	-2225	495389	5585905	57685	18.6	9.8	-2.4	24	19.7	6.8
900	-2212.5	495385	5585917	57694	18.6	7.9	-3	24	23	3.7
900	-2200	495380	5585928	57707	18.6	8.6	-3.4	24	24.2	1.4
900	-2187.5	495375	5585940	57724	18.6	10.1	-4.4	24	25.9	1.3
900	-2175	495370	5585951	57741	18.6	10.1	-4.2	24	27.1	0.8
900	-2162.5	495365	5585963	57755	18.6	13.3	-5	24	30.8	0.8
900	-2150	495360	5585974	57773	18.6	14.8	-3.3	24	34.4	-0.5
900	-2137.5	495355	5585986	57799	18.6	21.7	0.3	24	42.8	4
900	-2125	495350	5585997	57821	18.6	19.1	1.1	24	43.5	3.8
900	-2112.5	495345	5586009	57808	18.6	23.1	6.4	24	45.6	11.8
900	-2100	495340	5586020	57849	18.6	6.9	3.6	24	32.2	10.6
900	-2087.5	495335	5586032	58141	18.6	-9.9	-0.8	24	9.7	4
900	-2075	495330	5586043	57810	18.6	-9.6	2.1	24	12.4	6.7
900	-2062.5	495325	5586055	57735	18.6	-15.3	1.4	24	5.7	9.4
900	-2050	495320	5586066	57741	18.6	-19.8	2.5	24	0.6	9.6
900	-2037.5	495315	5586077	57760	18.6	-27.4	5.1	24	-6.4	9
900	-2025	495310	5586089	57785	18.6	-34.1	5.8	24	-16	8
900	-2012.5	495305	5586100	57757	18.6	-34.9	9.6	24	-18.7	6.9
900	-2000	495300	5586112	57743	18.6	-29	12.2	24	-16.7	8.7
900	-1987.5	495295	5586123	57740	18.6	-26.5	9.9	24	-10.7	7.8

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
900	-1975	495290	5586135	57740	18.6	-22.8	9.3	24	-6.7	7.8
900	-1962.5	495285	5586146	57740	18.6	-11.5	8.1	24	-2.6	11.8
900	-1950	495281	5586158	57740	18.6	-9.9	6.8	24	-0.2	9.7
900	-1937.5	495276	5586169	57739	18.6	-8.4	6.5	24	1.3	8.4
900	-1925	495271	5586181	57732	18.6	-6.5	4.6	24	3.8	7.2
900	-1912.5	495266	5586192	57725	18.6	-0.5	3	24	5.3	8.8
900	-1900	495261	5586204	57716	18.6	-2.4	1.7	24	6.8	6.7
900	0	494503	5587960	57757	18.6	17.9	39.2	24	19.2	17.5
900	12.5	494498	5587971	57752	18.6	22.8	37.5	24	21.4	18.1
900	25	494493	5587983	57750	18.6	29.9	34.7	24	18.5	19.1
900	37.5	494488	5587994	57759	18.6	36	40.5	24	14.6	22.5
900	50	494483	5588006	57753	18.6	31.6	48.4	24	5	21.1
900	62.5	494478	5588017	57775	18.6	23.8	56.8	24	1	18.6
900	75	494473	5588028	57750	18.6	22	69.1	24	1.9	30.1
900	87.5	494468	5588040	57777	18.6	7.9	77.2	24	-12.3	19
900	100	494463	5588051	57610	18.6	0.7	86.1	24	-21.2	14.9
900	112.5	494458	5588063	57722	18.6	-15	93.4	24	-30.7	11.5
900	125	494453	5588074	57774	18.6	-30.2	102.2	24	-37.7	9
900	137.5	494448	5588086	58006	18.6	-37.4	107.9	24	-43.7	8.6
900	150	494443	5588097	57765	18.6	-45.6	95.1	24	-48.2	7.2
900	162.5	494438	5588109	57775	18.6	-38.9	86.1	24	-44.2	11.3
900	175	494433	5588120	57775	18.6	-38.1	74.3	24	-42.8	17.1
900	187.5	494428	5588132	57768	18.6	-33.9	78.6	24	-37.4	17.1
900	200	494424	5588143	57773	18.6	-21.9	71.2	24	-33.2	21.3
900	212.5	494419	5588155	57777	18.6	-19.9	62	24	-24.8	22.5
900	225	494414	5588166	57780	18.6	-13.5	56.2	24	-19.7	23.6
900	237.5	494409	5588178	57783	18.6	-8.9	49.3	24	-15.3	23.1
900	250	494404	5588189	57788	18.6	-3.3	43.5	24	-12.2	21.1
900	262.5	494399	5588201	57793	18.6	3.8	35.8	24	-6.9	20.9
900	275	494394	5588212	57801	18.6	7.9	29	24	-4.9	16.6
900	287.5	494389	5588224	57806	18.6	11.5	21.3	24	-4.2	14.6
900	300	494384	5588235	57808	18.6	13	13.8	24	-2.6	10.3
900	312.5	494379	5588247	57807	18.6	13.9	6.7	24	-3.6	11
900	325	494374	5588258	57805	18.6	16.1	-2.4	24	-2.9	12.2
900	337.5	494369	5588270	57805	18.6	12.9	-2.5	24	-2.8	9.9
900	350	494364	5588281	57806	18.6	11.6	-5	24	-4.8	8.6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1000	-2950	495769	5585279	57703	18.6	-18.4	-3.8	24	-0.4	-3.1
1000	-2937.5	495764	5585291	57699	18.6	-17.8	-4.8	24	-0.5	-5.6
1000	-2925	495759	5585302	57694	18.6	-20.4	-5	24	-1	-4.3
1000	-2912.5	495754	5585314	57689	18.6	-21.8	-6.9	24	1.6	-5.3
1000	-2900	495749	5585325	57685	18.6	-18.5	-5.3	24	5.2	-8
1000	-2887.5	495744	5585337	57687	18.6	-14.1	-9	24	10.2	-10.3
1000	-2875	495739	5585348	57692	18.6	-8.9	-10.3	24	17.2	-10.9
1000	-2862.5	495734	5585360	57693	18.6	-3.2	-10	24	24.7	-8.4
1000	-2850	495729	5585371	57690	18.6	7.7	-9.5	24	30.4	-8.3
1000	-2837.5	495724	5585383	57691	18.6	12.8	-9.8	24	29.2	-9.5
1000	-2825	495719	5585394	57689	18.6	14.6	-9.3	24	27.8	-10.8
1000	-2812.5	495714	5585406	57692	18.6	14.1	-11.1	24	22.5	-12.1
1000	-2800	495709	5585417	57692	18.6	5.3	-12.2	24	17.7	-10.9
1000	-2787.5	495704	5585429	57690	18.6	4.6	-11.9	24	12.1	-13.2
1000	-2775	495699	5585440	57690	18.6	-0.7	-12.8	24	7.6	-11.9
1000	-2762.5	495694	5585452	57693	18.6	-4.5	-13.8	24	4.6	-10.2
1000	-2750	495689	5585463	57695	18.6	-6.2	-9.8	24	2.3	-11
1000	-2737.5	495684	5585475	57696	18.6	-8.3	-10.8	24	0.4	-7.3
1000	-2725	495679	5585486	57698	18.6	-9.3	-6.9	24	-0.6	-7.8
1000	-2712.5	495674	5585497	57702	18.6	-6.6	-6.4	24	-0.7	-7.5
1000	-2700	495670	5585509	57705	18.6	-6.7	-7	24	-0.8	-7.4
1000	-2687.5	495665	5585520	57710	18.6	-9	-6.3	24	-0.8	-10.2
1000	-2675	495660	5585532	57714	18.6	-9.4	-6.3	24	-0.9	-8.5
1000	-2662.5	495655	5585543	57716	18.6	-8.1	-7.1	24	0	-4.8
1000	-2650	495650	5585555	57716	18.6	-8.2	-4.8	24	-1.3	-5.2
1000	-2637.5	495645	5585566	57714	18.6	-9.2	-5.5	24	-3.3	-5.1
1000	-2625	495640	5585578	57715	18.6	-10	-4.9	24	-3.3	-6
1000	-2612.5	495635	5585589	57718	18.6	-10.5	-5.2	24	-3.8	-5.8
1000	-2600	495630	5585601	57715	18.6	-13.2	-5.5	24	-4.2	-6.1
1000	-2587.5	495625	5585612	57705	18.6	-11.2	-8.1	24	-4.4	-5.3
1000	-2575	495620	5585624	57706	18.6	-11.8	-5.9	24	-4	-4.4
1000	-2562.5	495615	5585635	57705	18.6	-8.9	-6.4	24	-3	-5.5
1000	-2550	495610	5585647	57702	18.6	-6.9	-8.1	24	-1.8	-5.1
1000	-2537.5	495605	5585658	57698	18.6	-6.3	-6.2	24	-1.3	-6.1
1000	-2525	495600	5585670	57692	18.6	-4.5	-8	24	-0.4	-6.5
1000	-2512.5	495595	5585681	57686	18.6	-2	-7	24	0.9	-5.7

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1000	-2050	495412	5586106	57807	18.6	32.2	-10.5	24	39.7	-11.1
1000	-2037.5	495407	5586117	57858	18.6	27.7	-9.7	24	36.7	-13
1000	-2025	495402	5586129	57969	18.6	26.1	-11.9	24	29.8	-15.9
1000	-2012.5	495397	5586140	57974	18.6	22.9	-12.7	24	30.2	-16.6
1000	-2000	495392	5586152	57762	18.6	31.5	-13.3	24	38.7	-16.4
1000	-1987.5	495387	5586163	57723	18.6	32.3	-14.4	24	44.1	-16.8
1000	-1975	495382	5586175	57726	18.6	41	-16.2	24	45	-14.6
1000	-1962.5	495377	5586186	57727	18.6	35.9	-15.6	24	38.6	-16
1000	-1950	495372	5586198	57729	18.6	30.6	-13.1	24	32.7	-14.4
1000	-1937.5	495367	5586209	57736	18.6	25.3	-9.6	24	23.4	-12.8
1000	-1925	495362	5586220	57740	18.6	10	-5.5	24	15.4	-16.5
1000	-1912.5	495357	5586232	57745	18.6	9.4	-1.4	24	8.2	-10.2
1000	-1900	495352	5586243	57749	18.6	6.8	1.7	24	3.1	-6.4
1000	0	494595	5587999	57790	18.6	-44.4	41.7	24	-2.3	12.5
1000	12.5	494590	5588011	57787	18.6	-34.5	45.1	24	-7.7	17.5
1000	25	494585	5588022	57794	18.6	-33.8	38.4	24	-9.3	14.9
1000	37.5	494580	5588034	57796	18.6	-26.6	35.5	24	-12.3	15
1000	50	494575	5588045	57788	18.6	-12.5	35.5	24	-16.9	18.5
1000	62.5	494570	5588057	57788	18.6	-1.8	33.1	24	-21.4	19.3
1000	75	494565	5588068	57777	18.6	5.7	32.5	24	-28.3	19.7
1000	87.5	494560	5588080	57778	18.6	15.9	29.7	24	-41.3	17.3
1000	100	494555	5588091	57754	18.6	22.3	32.3	24	-52.4	11.5
1000	112.5	494550	5588103	57741	18.6	15.8	37	24	-64.1	8.4
1000	125	494545	5588114	57757	18.6	4.9	48	24	-61.4	7.2
1000	137.5	494540	5588126	57757	18.6	-5.6	55	24	-60.8	8.6
1000	150	494535	5588137	57773	18.6	-14.7	61.4	24	-56.6	11.3
1000	162.5	494530	5588149	57773	18.6	-8.6	65.8	24	-54.5	16.5
1000	175	494525	5588160	57774	18.6	-11.7	71.3	24	-57.3	18.3
1000	187.5	494520	5588171	57779	18.6	-14.1	76.8	24	-56.6	18
1000	200	494515	5588183	57790	18.6	-13.6	74.8	24	-50.2	16.4
1000	212.5	494510	5588194	57794	18.6	-8.9	71.4	24	-40.4	18
1000	225	494505	5588206	57790	18.6	4.6	66.5	24	-30.2	18.8
1000	237.5	494500	5588217	57787	18.6	4.3	59.5	24	-21.7	18
1000	250	494495	5588229	57790	18.6	9.1	52.8	24	-14.6	13.9
1000	262.5	494491	5588240	57798	18.6	9.9	43.6	24	-7.8	10.8
1000	275	494486	5588252	57805	18.6	16.1	38	24	-1.8	4.7

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1000	287.5	494481	5588263	57813	18.6	16.1	27.9	24	1.8	1.9
1000	300	494476	5588275	57814	18.6	15.8	23	24	3.9	-2.3
1000	312.5	494471	5588286	57814	18.6	12.6	18.4	24	5.4	-6.7
1000	325	494466	5588298	57812	18.6	12.2	15	24	6	-10.8
1000	337.5	494461	5588309	57809	18.6	11.6	11.4	24	8.1	-12.9
1000	350	494456	5588321	57808	18.6	9.6	8.7	24	8.2	-15.8
1100	-2950	495860	5585319	57729	18.6	-11.5	-0.4	24	-0.8	5.6
1100	-2937.5	495855	5585331	57728	18.6	-12.6	-1.2	24	0.1	7.4
1100	-2925	495850	5585342	57725	18.6	-8.7	0.2	24	0.3	4.2
1100	-2912.5	495846	5585354	57720	18.6	-10.8	-3	24	0	6.3
1100	-2900	495841	5585365	57716	18.6	-10.6	-3.8	24	0	7.3
1100	-2887.5	495836	5585376	57710	18.6	-10.6	-4.2	24	-1.2	5.9
1100	-2875	495831	5585388	57704	18.6	-9.4	-4	24	-1.6	7.9
1100	-2862.5	495826	5585399	57698	18.6	-9.2	-4.8	24	-1.6	8.4
1100	-2850	495821	5585411	57694	18.6	-9	-3.3	24	-1.5	7.1
1100	-2837.5	495816	5585422	57694	18.6	-6.8	-1.9	24	-2.1	6.7
1100	-2825	495811	5585434	57697	18.6	-8.7	-2.7	24	-2.3	6.1
1100	-2812.5	495806	5585445	57697	18.6	-11.4	-2.7	24	-2	5.3
1100	-2800	495801	5585457	57694	18.6	-7.9	1.3	24	-1.2	6.3
1100	-2787.5	495796	5585468	57692	18.6	-10.1	-1.1	24	-0.4	5.3
1100	-2775	495791	5585480	57694	18.6	-8.9	-0.2	24	0.7	3.9
1100	-2762.5	495786	5585491	57694	18.6	-10.8	-1.8	24	1.7	4.8
1100	-2750	495781	5585503	57695	18.6	-8.3	-2.3	24	0.5	-0.2
1100	-2737.5	495776	5585514	57695	18.6	-7.7	0.9	24	1.2	2.9
1100	-2725	495771	5585526	57696	18.6	-6.4	-1.8	24	2.3	3
1100	-2712.5	495766	5585537	57699	18.6	-4.2	-1.5	24	2.9	0
1100	-2700	495761	5585549	57700	18.6	-2.3	-2.3	24	3.8	0.9
1100	-2687.5	495756	5585560	57700	18.6	-4.2	-3	24	3.8	-0.2
1100	-2675	495751	5585572	57698	18.6	-3.6	-2.5	24	2.9	-0.7
1100	-2662.5	495746	5585583	57695	18.6	-1.5	-4.3	24	4.5	1.9
1100	-2650	495742	5585595	57694	18.6	-1.5	-3.2	24	3.5	-2.1
1100	-2637.5	495737	5585606	57695	18.6	-1.6	-4.3	24	3.6	0
1100	-2625	495732	5585617	57698	18.6	-1	-3.4	24	2.9	-3
1100	-2612.5	495727	5585629	57704	18.6	-4.3	-4.7	24	3.2	-1.1
1100	-2600	495722	5585640	57708	18.6	-3.9	-3.8	24	3.5	0.3
1100	-2587.5	495717	5585652	57708	18.6	-2	-3	24	3.7	0

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1100	-2575	495712	5585663	57706	18.6	-3.4	-3.4	24	4	0.9
1100	-2562.5	495707	5585675	57705	18.6	-3.1	-2	24	3.3	0.8
1100	-2550	495702	5585686	57703	18.6	-2.2	-1.9	24	1.9	0.8
1100	-2537.5	495697	5585698	57703	18.6	-5.5	-2.9	24	1.2	-0.2
1100	-2525	495692	5585709	57699	18.6	-6.3	-1.7	24	0.2	-1
1100	-2512.5	495687	5585721	57694	18.6	-5.1	-2.6	24	-1	0.2
1100	-2500	495682	5585732	57693	18.6	-6.5	-3.2	24	-1.1	-1.8
1100	-2487.5	495677	5585744	57693	18.6	-8	-3.4	24	-1	-3
1100	-2475	495672	5585755	57691	18.6	-4.4	-2	24	-1.5	-0.2
1100	-2462.5	495667	5585767	57690	18.6	-7	-3.5	24	1.1	-0.2
1100	-2450	495662	5585778	57691	18.6	-5.8	-2.8	24	0	-0.6
1100	-2437.5	495657	5585790	57690	18.6	3	-2.4	24	1.5	3.3
1100	-2425	495652	5585801	57691	18.6	-1.4	-6.2	24	2.5	-1.6
1100	-2412.5	495647	5585813	57692	18.6	0	-7.6	24	3.8	-3.7
1100	-2400	495642	5585824	57691	18.6	2.1	-8.7	24	4.8	-5.2
1100	-2387.5	495637	5585836	57690	18.6	6.1	-9.4	24	6.5	-4.4
1100	-2375	495633	5585847	57689	18.6	8.8	-9.8	24	9.2	-4.8
1100	-2362.5	495628	5585858	57689	18.6	12.6	-12.5	24	10.9	-4.9
1100	-2350	495623	5585870	57690	18.6	16.4	-13.3	24	13.6	-6.4
1100	-2337.5	495618	5585881	57692	18.6	18.5	-13	24	15.2	-3.2
1100	-2325	495613	5585893	57695	18.6	20.3	-9.9	24	15.9	0.4
1100	-2312.5	495608	5585904	57698	18.6	21.4	-7.5	24	14.4	4.8
1100	-2300	495603	5585916	57701	18.6	21.7	-6.8	24	13	10
1100	-2287.5	495598	5585927	57701	18.6	21.4	-2.5	24	9.2	11.1
1100	-2275	495593	5585939	57699	18.6	15.4	-1.4	24	3.6	15.3
1100	-2262.5	495588	5585950	57700	18.6	13.3	2.5	24	-2.5	20.1
1100	-2250	495583	5585962	57706	18.6	8.6	4.5	24	-13.7	21.8
1100	-2237.5	495578	5585973	57716	18.6	1.9	4.5	24	-25.2	21.1
1100	-2225	495573	5585985	57727	18.6	-7.8	5.8	24	-44	18.3
1100	-2212.5	495568	5585996	57717	18.6	-18.7	0.9	24	-62.2	10.2
1100	-2200	495563	5586008	57673	18.6	-31.9	-3.9	24	-77.5	-0.1
1100	-2187.5	495558	5586019	57560	18.6	-40.5	-4.6	24	-76.4	0.2
1100	-2175	495553	5586031	57742	18.6	-40.8	-3.3	24	-68.7	6.3
1100	-2162.5	495548	5586042	57755	18.6	-49.9	-2.1	24	-69.9	9.6
1100	-2150	495543	5586054	57753	18.6	-47.5	1.4	24	-64.4	13
1100	-2137.5	495538	5586065	57741	18.6	-51.8	5.7	24	-64.6	15.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1100	-2125	495533	5586077	57730	18.6	-43.9	10.5	24	-51.7	16.8
1100	-2112.5	495528	5586088	57732	18.6	-32.8	12.2	24	-39.4	18.6
1100	-2100	495524	5586100	57735	18.6	-28.5	14.4	24	-31.2	19.9
1100	-2087.5	495519	5586111	57737	18.6	-25.8	16.1	24	-24.4	19.6
1100	-2075	495514	5586122	57739	18.6	-17.1	15.4	24	-18.8	19.3
1100	-2062.5	495509	5586134	57741	18.6	-14.3	17.1	24	-13.1	19.2
1100	-2050	495504	5586145	57745	18.6	-9.8	14.5	24	-9.1	18.8
1100	-2037.5	495499	5586157	57748	18.6	-8.5	15.1	24	-6	18.7
1100	-2025	495494	5586168	57753	18.6	-7.6	13.1	24	-3.9	16.5
1100	-2012.5	495489	5586180	57760	18.6	-7.7	11.6	24	-2	15.9
1100	-2000	495484	5586191	57769	18.6	-5.8	10.3	24	-2.3	16
1100	-1987.5	495479	5586203	57781	18.6	-6.7	8.7	24	-2.1	16.9
1100	-1975	495474	5586214	57796	18.6	-5.2	6.2	24	-3.8	15.6
1100	-1962.5	495469	5586226	57812	18.6	-7.8	5	24	-3	13.5
1100	-1950	495464	5586237	57828	18.6	-7.5	1.9	24	-3.1	11.5
1100	-1937.5	495459	5586249	57833	18.6	-7.3	-0.7	24	-1.1	9.7
1100	-1925	495454	5586260	57815	18.6	-5.1	-2.3	24	-0.4	9.5
1100	-1912.5	495449	5586272	57791	18.6	-4.6	-5.4	24	1.7	6.5
1100	-1900	495444	5586283	57767	18.6	-2.9	-9.1	24	4.3	1.4
1100	-200	494766	5587855	57859	18.6	-149.7	150.5	24	-31.6	-22.9
1100	-187.5	494761	5587867	57948	18.6	-122.3	78.1	24	-30.7	-18.6
1100	-175	494756	5587878	57896	18.6	-79.7	52.3	24	-16.2	-6.1
1100	-162.5	494751	5587890	57865	18.6	-58.2	48.8	24	-3.6	-0.9
1100	-150	494746	5587901	57942	18.6	-37.4	55.4	24	6.4	4.2
1100	-137.5	494741	5587913	57983	18.6	-27.7	55.9	24	14.7	5.9
1100	-125	494736	5587924	57982	18.6	-17	67	24	19.4	13
1100	-112.5	494731	5587936	57975	18.6	-19.6	74.7	24	21.3	18.6
1100	-100	494726	5587947	57937	18.6	-44.9	81.8	24	17.5	18.3
1100	-87.5	494721	5587959	57868	18.6	-17.5	84.1	24	17.4	22.8
1100	-75	494716	5587970	57790	18.6	-13.7	114.8	24	9.6	21.3
1100	-62.5	494711	5587982	57833	18.6	-62.4	133.5	24	-2.7	14.2
1100	-50	494706	5587993	57825	18.6	-97.4	139.7	24	-12.5	7.8
1100	-37.5	494701	5588005	57878	18.6	-103.2	155.8	24	-23.3	0.8
1100	-25	494696	5588016	57889	18.6	-107.1	80.1	24	-22.6	5.5
1100	-12.5	494691	5588028	57890	18.6	-96.6	72	24	-21.9	8.6
1100	0	494686	5588039	57885	18.6	-91	62	24	-22.2	9.6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1100	12.5	494681	5588051	57873	18.6	-76.5	66.2	24	-23.3	12.4
1100	25	494676	5588062	57873	18.6	-71.2	64.4	24	-23.8	12.7
1100	37.5	494672	5588073	57852	18.6	-58.5	57.6	24	-24.3	15
1100	50	494667	5588085	57855	18.6	-56.4	56.8	24	-24.2	15.3
1100	62.5	494662	5588096	57847	18.6	-53.6	48.2	24	-23.7	13.1
1100	75	494657	5588108	57861	18.6	-40.6	43.8	24	-20.6	12.8
1100	87.5	494652	5588119	57876	18.6	-29.9	43	24	-19.2	16
1100	100	494647	5588131	57893	18.6	-16.5	40.8	24	-17.5	13
1100	112.5	494642	5588142	57927	18.6	-12.4	40.5	24	-19	13.9
1100	125	494637	5588154	57958	18.6	-3.4	39.2	24	-19	13.8
1100	137.5	494632	5588165	57948	18.6	2.8	37.9	24	-17.3	12.9
1100	150	494627	5588177	57907	18.6	11	36	24	-16.8	11.9
1100	162.5	494622	5588188	57875	18.6	16.2	38.2	24	-16.6	10.3
1100	175	494617	5588200	57859	18.6	18.9	40	24	-15.9	9.5
1100	187.5	494612	5588211	57847	18.6	20.5	43.4	24	-12.7	6.7
1100	200	494607	5588223	57840	18.6	28.4	39	24	-6.2	5.9
1100	212.5	494602	5588234	57836	18.6	23.4	35.8	24	1.3	2.5
1100	225	494597	5588246	57838	18.6	23.4	27.9	24	9.9	0.3
1100	237.5	494592	5588257	57847	18.6	22.1	19.7	24	20.7	-3
1100	250	494587	5588269	57860	18.6	19.3	13.9	24	29.8	-5.8
1100	262.5	494582	5588280	57873	18.6	14.7	17.2	24	38.5	-8
1100	275	494577	5588292	57898	18.6	9.2	20	24	48.6	-9.7
1100	287.5	494572	5588303	57943	18.6	1.4	22.9	24	59.2	-8.9
1100	300	494567	5588314	58002	18.6	-6.1	29.5	24	68	-9.8
1100	312.5	494563	5588326	58025	18.6	-16.9	37.1	24	66.2	-7.4
1100	325	494558	5588337	58019	18.6	-24.3	42.6	24	61.7	-7.3
1100	337.5	494553	5588349	57986	18.6	-32.3	43.2	24	54.7	-9.7
1100	350	494548	5588360	57956	18.6	-28.7	35.3	24	43.9	-14.1
1200	-2950	495952	5585359	57711	18.6	-8.3	-9.7	24	3.3	-5.4
1200	-2937.5	495947	5585370	57711	18.6	-11.1	-10.4	24	2.7	-3.5
1200	-2925	495942	5585382	57712	18.6	-7.7	-11	24	2.2	-3.8
1200	-2912.5	495937	5585393	57712	18.6	-8.7	-9.7	24	0.7	-4.1
1200	-2900	495932	5585405	57700	18.6	-11.4	-10.1	24	1.9	-2.7
1200	-2887.5	495927	5585416	57698	18.6	-11	-8.6	24	1.1	-1.7
1200	-2875	495922	5585428	57696	18.6	-10.5	-8.1	24	1.1	-1.7
1200	-2862.5	495918	5585439	57692	18.6	-11.2	-6.6	24	1.5	0.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1200	-2850	495913	5585451	57688	18.6	-12.3	-6.9	24	0.5	-0.7
1200	-2837.5	495908	5585462	57685	18.6	-12.2	-5.6	24	1.1	1
1200	-2825	495903	5585474	57683	18.6	-13	-4	24	0.9	1.3
1200	-2812.5	495898	5585485	57681	18.6	-11	-1.6	24	0.6	-0.1
1200	-2800	495893	5585497	57679	18.6	-11.6	-2.8	24	1.3	-0.3
1200	-2787.5	495888	5585508	57678	18.6	-11	-2.5	24	1.5	-1
1200	-2775	495883	5585519	57679	18.6	-8.9	-1.2	24	2	0.6
1200	-2762.5	495878	5585531	57681	18.6	-11.2	-1.2	24	1.9	-0.8
1200	-2750	495873	5585542	57686	18.6	-11.2	-3	24	1.3	0.4
1200	-2737.5	495868	5585554	57687	18.6	-10.5	-2	24	0.7	0.2
1200	-2725	495863	5585565	57692	18.6	-10.1	-3.1	24	0.9	0.6
1200	-2712.5	495858	5585577	57693	18.6	-9	-1.4	24	0	0.7
1200	-2700	495853	5585588	57694	18.6	-9.1	-0.6	24	0.9	2.4
1200	-2687.5	495848	5585600	57694	18.6	-9	1.5	24	0	2
1200	-2675	495843	5585611	57694	18.6	-7.2	-1.2	24	0.9	2.8
1200	-2662.5	495838	5585623	57695	18.6	-8.2	-1.7	24	0.7	2.5
1200	-2650	495833	5585634	57696	18.6	-8.5	-2.2	24	1	2.1
1200	-2637.5	495828	5585646	57697	18.6	-6.8	-2.1	24	1	0.8
1200	-2625	495823	5585657	57697	18.6	-8.5	-2.6	24	0	-0.3
1200	-2612.5	495818	5585669	57697	18.6	-6	-1.3	24	0.9	2.8
1200	-2600	495813	5585680	57699	18.6	-8.1	-1	24	0.1	0.2
1200	-2587.5	495809	5585692	57700	18.6	-7	-1.7	24	1.3	1.6
1200	-2575	495804	5585703	57702	18.6	-8.6	-2.3	24	-0.1	0.4
1200	-2562.5	495799	5585715	57703	18.6	-8.4	-1.4	24	0	-0.2
1200	-2550	495794	5585726	57710	18.6	-7.6	-1.2	24	-0.2	0.7
1200	-2537.5	495789	5585738	57706	18.6	-7.6	-2	24	0.3	3.5
1200	-2525	495784	5585749	57703	18.6	-5.3	-0.4	24	0	0.8
1200	-2512.5	495779	5585760	57700	18.6	-4.8	-3	24	1.1	1.6
1200	-2500	495774	5585772	57701	18.6	-4.4	-1.9	24	2.2	0.2
1200	-2487.5	495769	5585783	57703	18.6	-1.2	-3.3	24	3.3	1.5
1200	-2475	495764	5585795	57705	18.6	0.1	-3	24	2.7	-0.1
1200	-2462.5	495759	5585806	57707	18.6	-0.8	-2	24	3.1	0.3
1200	-2450	495754	5585818	57708	18.6	-2.8	-1.2	24	2.7	-0.5
1200	-2437.5	495749	5585829	57709	18.6	-1.5	-1.3	24	2.3	0
1200	-2425	495744	5585841	57710	18.6	-3.6	0	24	2.9	-1.5
1200	-2412.5	495739	5585852	57711	18.6	0.4	-1.3	24	1.1	1.6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1200	-2400	495734	5585864	57711	18.6	-1.5	0.3	24	1.5	1.7
1200	-2387.5	495729	5585875	57711	18.6	-0.8	0.6	24	0.7	1.5
1200	-2375	495724	5585887	57712	18.6	-2.5	1.3	24	0.5	1.8
1200	-2362.5	495719	5585898	57712	18.6	-3.1	2.3	24	-0.2	2.3
1200	-2350	495714	5585910	57714	18.6	-4.7	2.3	24	-0.5	0.4
1200	-2337.5	495709	5585921	57715	18.6	-4.9	2.1	24	0.1	0.6
1200	-2325	495705	5585933	57717	18.6	-4.9	3.9	24	-1.5	0.7
1200	-2312.5	495700	5585944	57720	18.6	-5.1	3.7	24	-1.7	0.7
1200	-2300	495695	5585956	57722	18.6	-5.9	2.1	24	-2.6	0
1200	-2287.5	495690	5585967	57725	18.6	-6.2	1.3	24	-3.1	-1.9
1200	-2275	495685	5585979	57726	18.6	-5	-0.9	24	-2.3	-4.5
1200	-2262.5	495680	5585990	57729	18.6	-4.5	1.9	24	-2.2	-1.8
1200	-2250	495675	5586001	57731	18.6	-3.6	-0.2	24	-0.8	-7.4
1200	-2237.5	495670	5586013	57729	18.6	0	-0.8	24	-0.5	-6.2
1200	-2225	495665	5586024	57727	18.6	-1	-4.2	24	0.3	-11
1200	-2212.5	495660	5586036	57728	18.6	-0.2	-3.5	24	0.1	-11.9
1200	-2200	495655	5586047	57730	18.6	3.9	-5.5	24	0.9	-11.8
1200	-2187.5	495650	5586059	57731	18.6	-0.4	-8	24	1.9	-13.6
1200	-2175	495645	5586070	57732	18.6	3.3	-6.8	24	3.3	-13.1
1200	-2162.5	495640	5586082	57733	18.6	5	-7.7	24	2.7	-14
1200	-2150	495635	5586093	57734	18.6	4	-9	24	2.6	-12.9
1200	-2137.5	495630	5586105	57735	18.6	3.6	-8.5	24	3.1	-13
1200	-2125	495625	5586116	57735	18.6	4.6	-9.1	24	2	-11.7
1200	-2112.5	495620	5586128	57736	18.6	1.7	-8.4	24	2.8	-12.3
1200	-2100	495615	5586139	57734	18.6	0.9	-5.6	24	1.3	-9.8
1200	-2087.5	495610	5586151	57733	18.6	1.3	-7.6	24	1.3	-8.5
1200	-2075	495605	5586162	57731	18.6	1.7	-6.4	24	0.3	-7.2
1200	-2062.5	495600	5586174	57730	18.6	0	-5.6	24	0	-5.5
1200	-2050	495596	5586185	57730	18.6	0.8	-5.4	24	-2.2	-4
1200	-2037.5	495591	5586197	57731	18.6	0.1	-4.3	24	-2.2	-1.9
1200	-2025	495586	5586208	57732	18.6	0.1	-4.7	24	-1.9	-1.7
1200	-2012.5	495581	5586220	57735	18.6	0.9	-4.3	24	-1.1	-0.8
1200	-2000	495576	5586231	57735	18.6	2	-3.6	24	-0.6	0.4
1200	-1987.5	495571	5586242	57740	18.6	1.3	-3.5	24	-1.1	0
1200	-1975	495566	5586254	57744	18.6	2.5	-0.5	24	0.1	0.9
1200	-1962.5	495561	5586265	57750	18.6	5.6	2.3	24	0.3	1.9

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1200	-1950	495556	5586277	57757	18.6	4.8	4.1	24	-0.7	2.1
1200	-1937.5	495551	5586288	57766	18.6	4.5	7.8	24	0.3	2.1
1200	-1925	495546	5586300	57773	18.6	4	10.1	24	1.3	3.3
1200	-1912.5	495541	5586311	57784	18.6	7.5	12.8	24	-1	4.6
1200	-1900	495536	5586323	57798	18.6	7.5	15.6	24	-1.6	8.1
1200	-200	494857	5587895	57697	18.6	-55.3	67	24	19.8	19.7
1200	-187.5	494852	5587907	58176	18.6	-160.1	52.9	24	6.1	15.2
1200	-175	494848	5587918	57467	18.6	-130	60.4	24	-3.9	11.9
1200	-162.5	494843	5587930	57713	18.6	-129.2	46.5	24	-10.5	6.1
1200	-150	494838	5587941	57762	18.6	-131.6	22.6	24	-10.7	6.3
1200	-137.5	494833	5587952	57787	18.6	-81.5	42.8	24	-8.3	8.6
1200	-125	494828	5587964	57784	18.6	-46.5	47.4	24	-3.3	12.5
1200	-112.5	494823	5587975	57754	18.6	-9.5	63.3	24	5.1	21
1200	-100	494818	5587987	57774	18.6	-47.3	83.2	24	-7.2	14.3
1200	-87.5	494813	5587998	57799	18.6	-84.7	85.5	24	-16.4	11.1
1200	-75	494808	5588010	57784	18.6	-85.7	87.6	24	-24.4	6.9
1200	-62.5	494803	5588021	57914	18.6	-97.4	88.1	24	-28.3	8.8
1200	-50	494798	5588033	57754	18.6	-101.3	90.9	24	-35	5.9
1200	-37.5	494793	5588044	57753	18.6	-167.2	71.9	24	-47.4	1.3
1200	-25	494788	5588056	57754	18.6	-144.5	113	24	-67.8	-5.8
1200	-12.5	494783	5588067	57709	18.6	-135.3	101.2	24	-70.9	-4.6
1200	0	494778	5588079	57776	18.6	-98.1	69.1	24	-50.7	2.9
1200	12.5	494773	5588090	57807	18.6	-77.4	67.8	24	-38.1	5.8
1200	25	494768	5588102	57794	18.6	-58.3	84	24	-29.4	9.9
1200	37.5	494763	5588113	57800	18.6	-80.7	86.1	24	-35.7	8.1
1200	50	494758	5588125	57822	18.6	-104.5	82.7	24	-51.6	3.6
1200	62.5	494753	5588136	57862	18.6	-84.8	69.4	24	-41.4	2.5
1200	75	494748	5588148	57879	18.6	-60.3	55	24	-24.8	2.5
1200	87.5	494743	5588159	57890	18.6	-18.1	67.3	24	-9.5	2.6
1200	100	494739	5588171	57865	18.6	-8.1	49.8	24	5	1.8
1200	112.5	494734	5588182	57824	18.6	-5.2	61.8	24	16	-2.4
1200	125	494729	5588194	57791	18.6	22.2	37.8	24	28.3	-1.2
1200	137.5	494724	5588205	57782	18.6	42.2	-35.8	24	39.4	-2.7
1200	150	494719	5588216	57778	18.6	16.6	-169	24	51.2	-3.4
1200	162.5	494714	5588228	57773	18.6	-53.2	-142.7	24	62.8	-3.7
1200	175	494709	5588239	57772	18.6	-60.2	-200	24	76.4	-1.1

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1200	187.5	494704	5588251	57765	18.6	-56.1	-200	24	89	0.3
1200	200	494699	5588262	57772	18.6	11	-102.8	24	97.3	5.3
1200	212.5	494694	5588274	57806	18.6	23.3	-87.6	24	100	10.1
1200	225	494689	5588285	57844	18.6	40.5	-18.3	24	100.2	14.2
1200	237.5	494684	5588297	57696	18.6	30.4	-8.4	24	89.4	11.6
1200	250	494679	5588308	57773	18.6	17.1	11.9	24	75.7	6.3
1200	262.5	494674	5588320	57814	18.6	14.4	17	24	73	7
1200	275	494669	5588331	57810	18.6	4.2	27.2	24	61.6	0.2
1200	287.5	494664	5588343	57788	18.6	-5.9	33.3	24	51.5	-4.3
1200	300	494659	5588354	57796	18.6	-12.8	38.9	24	46.1	-4.2
1200	312.5	494654	5588366	57810	18.6	-22.1	42.7	24	39.3	-7.6
1200	325	494649	5588377	57849	18.6	-35.2	49.1	24	32.7	-12.9
1200	337.5	494644	5588389	58246	18.6	-51.6	50.5	24	21.5	-18.4
1200	350	494639	5588400	57761	18.6	-57.1	44	24	12.3	-18.6
1300	-2950	496044	5585399	57726	18.6	-12.1	-5.8	24	1.9	3.2
1300	-2937.5	496039	5585410	57725	18.6	-13.7	-1.1	24	0.5	3.3
1300	-2925	496034	5585421	57719	18.6	-13.6	-1	24	1.1	2.6
1300	-2912.5	496029	5585433	57714	18.6	-12.3	-1.3	24	0.2	3.5
1300	-2900	496024	5585444	57716	18.6	-12.1	-1	24	-1.1	2.9
1300	-2887.5	496019	5585456	57717	18.6	-13.5	-2.1	24	-1.6	2.6
1300	-2875	496014	5585467	57715	18.6	-12.4	-1.6	24	-0.5	2.1
1300	-2862.5	496009	5585479	57712	18.6	-8.7	-2.8	24	0.5	1.1
1300	-2850	496004	5585490	57708	18.6	-8.6	-4.8	24	-0.8	-0.4
1300	-2837.5	495999	5585502	57704	18.6	-9.1	-6.2	24	1.2	0
1300	-2825	495994	5585513	57699	18.6	-6.9	-6.2	24	0.4	-2.5
1300	-2812.5	495990	5585525	57696	18.6	-5.8	-7.7	24	2.7	-2.4
1300	-2800	495985	5585536	57691	18.6	-5.3	-6.1	24	1.5	-3
1300	-2787.5	495980	5585548	57689	18.6	-1.4	-9.9	24	3	-5.2
1300	-2775	495975	5585559	57686	18.6	-4.2	-10.2	24	3	-5.8
1300	-2762.5	495970	5585571	57689	18.6	-3.5	-10	24	5.1	-5.4
1300	-2750	495965	5585582	57691	18.6	-1.2	-9.1	24	3.9	-7.2
1300	-2737.5	495960	5585594	57696	18.6	-1.7	-8.7	24	4.9	-6.8
1300	-2725	495955	5585605	57705	18.6	0.2	-8.5	24	4.2	-6.5
1300	-2712.5	495950	5585617	57715	18.6	-2.5	-9.5	24	3.5	-4.9
1300	-2700	495945	5585628	57722	18.6	-3.3	-8.1	24	2.8	-4
1300	-2687.5	495940	5585640	57727	18.6	-1.7	-4.7	24	2.6	-3.4

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1300	362.5	494726	5588451	57798	18.6	200	200	24	-34.8	-20.9
1300	375	494721	5588463	57797	18.6	52.9	-39.7	24	-29.2	-16.5
1400	-2950	496136	5585438	57712	18.6	-13.9	-10.6	24	3.9	1.5
1400	-2937.5	496131	5585450	57713	18.6	4	-5.3	24	3.9	-3.2
1400	-2925	496126	5585461	57715	18.6	-10.6	-11.7	24	3.3	-2
1400	-2912.5	496121	5585473	57720	18.6	4.9	-4.3	24	4.8	-3.5
1400	-2900	496116	5585484	57723	18.6	-6.8	-11.9	24	4.2	-5.2
1400	-2887.5	496111	5585496	57725	18.6	-9.5	-10.3	24	4.5	-2.5
1400	-2875	496106	5585507	57722	18.6	-9.4	-9.4	24	2.8	-1.2
1400	-2862.5	496101	5585519	57720	18.6	1.4	-0.2	24	4.5	0.7
1400	-2850	496096	5585530	57717	18.6	-10.1	-7.6	24	2.3	-0.2
1400	-2837.5	496091	5585541	57715	18.6	-11.2	-5.3	24	0.8	1.6
1400	-2825	496086	5585553	57711	18.6	-3	4.6	24	1.5	4.1
1400	-2812.5	496081	5585564	57704	18.6	-13.8	-3.6	24	-0.3	4.5
1400	-2800	496076	5585576	57697	18.6	-12.4	-0.2	24	0	3.7
1400	-2787.5	496071	5585587	57695	18.6	-11.5	-2.1	24	-0.5	1.9
1400	-2775	496066	5585599	57699	18.6	-15.6	0.9	24	-1.9	5.9
1400	-2762.5	496061	5585610	57702	18.6	-13.9	-1.7	24	-1.4	5.2
1400	-2750	496057	5585622	57702	18.6	-16.4	0.3	24	-2.9	4.2
1400	-2737.5	496052	5585633	57700	18.6	-15	-1.3	24	-1.6	4.4
1400	-2725	496047	5585645	57702	18.6	-15.1	-3	24	-1.8	3
1400	-2712.5	496042	5585656	57713	18.6	-11	-0.6	24	0.9	3
1400	-2700	496037	5585668	57725	18.6	-7.4	-2.9	24	5.3	3.1
1400	-2687.5	496032	5585679	57728	18.6	-5.4	-2.2	24	7.1	1.8
1400	-2675	496027	5585691	57724	18.6	1.3	-2.3	24	8.7	-0.2
1400	-2662.5	496022	5585702	57724	18.6	-2.2	-3.7	24	5.3	-1.5
1400	-2650	496017	5585714	57725	18.6	-5.6	-5.8	24	4.3	0
1400	-2637.5	496012	5585725	57727	18.6	-7.9	-7.3	24	1.5	-1.3
1400	-2625	496007	5585737	57730	18.6	-9.7	-3.8	24	2.4	0.5
1400	-2612.5	496002	5585748	57734	18.6	-11.6	-6.1	24	0.9	-1.4
1400	-2600	495997	5585760	57737	18.6	-1	-1.4	24	0.2	-1.6
1400	-2587.5	495992	5585771	57739	18.6	-8.2	-8	24	0	-2.9
1400	-2575	495987	5585782	57741	18.6	-9	-5	24	1.4	-3.6
1400	-2562.5	495982	5585794	57742	18.6	-6.1	-6.8	24	1.4	-0.1
1400	-2550	495977	5585805	57740	18.6	-6.2	-5.4	24	1.5	-1.5
1400	-2537.5	495972	5585817	57735	18.6	-9	-4	24	1.2	-1.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1300	362.5	494726	5588451	57798	18.6	200	200	24	-34.8	-20.9
1300	375	494721	5588463	57797	18.6	52.9	-39.7	24	-29.2	-16.5
1400	-2950	496136	5585438	57712	18.6	-13.9	-10.6	24	3.9	1.5
1400	-2937.5	496131	5585450	57713	18.6	4	-5.3	24	3.9	-3.2
1400	-2925	496126	5585461	57715	18.6	-10.6	-11.7	24	3.3	-2
1400	-2912.5	496121	5585473	57720	18.6	4.9	-4.3	24	4.8	-3.5
1400	-2900	496116	5585484	57723	18.6	-6.8	-11.9	24	4.2	-5.2
1400	-2887.5	496111	5585496	57725	18.6	-9.5	-10.3	24	4.5	-2.5
1400	-2875	496106	5585507	57722	18.6	-9.4	-9.4	24	2.8	-1.2
1400	-2862.5	496101	5585519	57720	18.6	1.4	-0.2	24	4.5	0.7
1400	-2850	496096	5585530	57717	18.6	-10.1	-7.6	24	2.3	-0.2
1400	-2837.5	496091	5585541	57715	18.6	-11.2	-5.3	24	0.8	1.6
1400	-2825	496086	5585553	57711	18.6	-3	4.6	24	1.5	4.1
1400	-2812.5	496081	5585564	57704	18.6	-13.8	-3.6	24	-0.3	4.5
1400	-2800	496076	5585576	57697	18.6	-12.4	-0.2	24	0	3.7
1400	-2787.5	496071	5585587	57695	18.6	-11.5	-2.1	24	-0.5	1.9
1400	-2775	496066	5585599	57699	18.6	-15.6	0.9	24	-1.9	5.9
1400	-2762.5	496061	5585610	57702	18.6	-13.9	-1.7	24	-1.4	5.2
1400	-2750	496057	5585622	57702	18.6	-16.4	0.3	24	-2.9	4.2
1400	-2737.5	496052	5585633	57700	18.6	-15	-1.3	24	-1.6	4.4
1400	-2725	496047	5585645	57702	18.6	-15.1	-3	24	-1.8	3
1400	-2712.5	496042	5585656	57713	18.6	-11	-0.6	24	0.9	3
1400	-2700	496037	5585668	57725	18.6	-7.4	-2.9	24	5.3	3.1
1400	-2687.5	496032	5585679	57728	18.6	-5.4	-2.2	24	7.1	1.8
1400	-2675	496027	5585691	57724	18.6	1.3	-2.3	24	8.7	-0.2
1400	-2662.5	496022	5585702	57724	18.6	-2.2	-3.7	24	5.3	-1.5
1400	-2650	496017	5585714	57725	18.6	-5.6	-5.8	24	4.3	0
1400	-2637.5	496012	5585725	57727	18.6	-7.9	-7.3	24	1.5	-1.3
1400	-2625	496007	5585737	57730	18.6	-9.7	-3.8	24	2.4	0.5
1400	-2612.5	496002	5585748	57734	18.6	-11.6	-6.1	24	0.9	-1.4
1400	-2600	495997	5585760	57737	18.6	-1	-1.4	24	0.2	-1.6
1400	-2587.5	495992	5585771	57739	18.6	-8.2	-6	24	0	-2.9
1400	-2575	495987	5585782	57741	18.6	-9	-5	24	1.4	-3.6
1400	-2562.5	495982	5585794	57742	18.6	-6.1	-6.8	24	1.4	-0.1
1400	-2550	495977	5585805	57740	18.6	-6.2	-5.4	24	1.5	-1.5
1400	-2537.5	495972	5585817	57735	18.6	-9	-4	24	1.2	-1.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1400	-2525	495967	5585828	57729	18.6	-7.7	-2.5	24	2	-0.1
1400	-2512.5	495962	5585840	57722	18.6	-5.1	-0.2	24	1.9	0
1400	-2500	495957	5585851	57712	18.6	-6.2	-2.1	24	1.5	-0.9
1400	-2487.5	495953	5585863	57702	18.6	-0.5	3.5	24	0	2.1
1400	-2475	495948	5585874	57691	18.6	-7.9	0.8	24	1.2	0.3
1400	-2462.5	495943	5585886	57681	18.6	-7.9	0.1	24	0.2	1.2
1400	-2450	495938	5585897	57677	18.6	-7	1.1	24	1	0.8
1400	-2437.5	495933	5585909	57674	18.6	-6.1	-1	24	1.9	-1.1
1400	-2425	495928	5585920	57676	18.6	-6.2	-0.5	24	1.9	-2
1400	-2412.5	495923	5585932	57680	18.6	-5.4	-0.8	24	2.5	0.6
1400	-2400	495918	5585943	57688	18.6	-4.7	-2.5	24	1.7	-1
1400	-2387.5	495913	5585955	57695	18.6	-6.3	-2.4	24	1.2	-2
1400	-2375	495908	5585966	57704	18.6	-4.6	-2.3	24	1.6	-2
1400	-2362.5	495903	5585978	57711	18.6	-4.6	-1.6	24	1.3	-1.9
1400	-2350	495898	5585989	57719	18.6	-5.4	-1.7	24	1.4	-1.6
1400	-2337.5	495893	5586001	57726	18.6	-6.6	-1.3	24	0.9	-2.6
1400	-2325	495888	5586012	57733	18.6	-6	-2.1	24	0.5	-2.2
1400	-2312.5	495883	5586024	57740	18.6	-4.5	-2.7	24	0.7	-2.2
1400	-2300	495878	5586035	57746	18.6	-4	-1.2	24	0	-1.8
1400	-2287.5	495873	5586046	57750	18.6	-3.7	-1.8	24	1.9	-2.7
1400	-2275	495868	5586058	57750	18.6	-5.8	-2.1	24	0.8	-3
1400	-2262.5	495863	5586069	57749	18.6	-6.7	-2.4	24	2	-3
1400	-2250	495858	5586081	57748	18.6	-3.4	-1	24	2.7	-1.4
1400	-2237.5	495853	5586092	57743	18.6	-4.4	0.1	24	2.7	-1.8
1400	-2225	495848	5586104	57739	18.6	-5.1	-0.9	24	2.2	0.7
1400	-2212.5	495844	5586115	57737	18.6	-4.6	0.7	24	1.8	0.6
1400	-2200	495839	5586127	57735	18.6	-2.8	1.5	24	2.2	0.9
1400	-2187.5	495834	5586138	57737	18.6	-3.7	0.4	24	1.6	-0.6
1400	-2175	495829	5586150	57735	18.6	-3.6	0	24	2.6	0.4
1400	-2162.5	495824	5586161	57733	18.6	-2.9	1.3	24	3.6	0.1
1400	-2150	495819	5586173	57734	18.6	-0.3	1.5	24	2.6	0
1400	-2137.5	495814	5586184	57734	18.6	-1.1	1.9	24	3.1	-0.2
1400	-2125	495809	5586196	57732	18.6	-2.1	0.8	24	2.8	-2.1
1400	-2112.5	495804	5586207	57731	18.6	0	0.9	24	3.4	-0.1
1400	-2100	495799	5586219	57730	18.6	0	2.1	24	4.1	3.2
1400	-2087.5	495794	5586230	57730	18.6	1.7	1.6	24	2.5	-0.5

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1400	-2525	495967	5585828	57729	18.6	-7.7	-2.5	24	2	-0.1
1400	-2512.5	495962	5585840	57722	18.6	-5.1	-0.2	24	1.9	0
1400	-2500	495957	5585851	57712	18.6	-6.2	-2.1	24	1.5	-0.9
1400	-2487.5	495953	5585863	57702	18.6	-0.5	3.5	24	0	2.1
1400	-2475	495948	5585874	57691	18.6	-7.9	0.8	24	1.2	0.3
1400	-2462.5	495943	5585886	57681	18.6	-7.9	0.1	24	0.2	1.2
1400	-2450	495938	5585897	57677	18.6	-7	1.1	24	1	0.8
1400	-2437.5	495933	5585909	57674	18.6	-6.1	-1	24	1.9	-1.1
1400	-2425	495928	5585920	57676	18.6	-6.2	-0.5	24	1.9	-2
1400	-2412.5	495923	5585932	57680	18.6	-5.4	-0.8	24	2.5	0.6
1400	-2400	495918	5585943	57688	18.6	-4.7	-2.5	24	1.7	-1
1400	-2387.5	495913	5585955	57695	18.6	-6.3	-2.4	24	1.2	-2
1400	-2375	495908	5585966	57704	18.6	-4.6	-2.3	24	1.6	-2
1400	-2362.5	495903	5585978	57711	18.6	-4.6	-1.6	24	1.3	-1.9
1400	-2350	495898	5585989	57719	18.6	-5.4	-1.7	24	1.4	-1.6
1400	-2337.5	495893	5586001	57726	18.6	-6.6	-1.3	24	0.9	-2.6
1400	-2325	495888	5586012	57733	18.6	-6	-2.1	24	0.5	-2.2
1400	-2312.5	495883	5586024	57740	18.6	-4.5	-2.7	24	0.7	-2.2
1400	-2300	495878	5586035	57746	18.6	-4	-1.2	24	0	-1.8
1400	-2287.5	495873	5586046	57750	18.6	-3.7	-1.8	24	1.9	-2.7
1400	-2275	495868	5586058	57750	18.6	-5.8	-2.1	24	0.8	-3
1400	-2262.5	495863	5586069	57749	18.6	-6.7	-2.4	24	2	-3
1400	-2250	495858	5586081	57748	18.6	-3.4	-1	24	2.7	-1.4
1400	-2237.5	495853	5586092	57743	18.6	-4.4	0.1	24	2.7	-1.8
1400	-2225	495848	5586104	57739	18.6	-5.1	-0.9	24	2.2	0.7
1400	-2212.5	495844	5586115	57737	18.6	-4.6	0.7	24	1.8	0.6
1400	-2200	495839	5586127	57735	18.6	-2.8	1.5	24	2.2	0.9
1400	-2187.5	495834	5586138	57737	18.6	-3.7	0.4	24	1.6	-0.6
1400	-2175	495829	5586150	57735	18.6	-3.6	0	24	2.6	0.4
1400	-2162.5	495824	5586161	57733	18.6	-2.9	1.3	24	3.6	0.1
1400	-2150	495819	5586173	57734	18.6	-0.3	1.5	24	2.6	0
1400	-2137.5	495814	5586184	57734	18.6	-1.1	1.9	24	3.1	-0.2
1400	-2125	495809	5586196	57732	18.6	-2.1	0.8	24	2.8	-2.1
1400	-2112.5	495804	5586207	57731	18.6	0	0.9	24	3.4	-0.1
1400	-2100	495799	5586219	57730	18.6	0	2.1	24	4.1	3.2
1400	-2087.5	495794	5586230	57730	18.6	1.7	1.6	24	2.5	-0.5

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1400	-2075	495789	5586242	57731	18.6	0.9	1.9	24	2.8	0.5
1400	-2062.5	495784	5586253	57732	18.6	1.9	1.6	24	4.5	0.9
1400	-2050	495779	5586265	57734	18.6	1.9	1.7	24	2.9	1.5
1400	-2037.5	495774	5586276	57736	18.6	1.6	3	24	3.8	0.3
1400	-2025	495769	5586287	57737	18.6	2.7	4.1	24	3.2	1.1
1400	-2012.5	495764	5586299	57738	18.6	2.7	6	24	2.8	1.9
1400	-2000	495759	5586310	57739	18.6	4.3	5.5	24	2.9	1.6
1400	-1987.5	495754	5586322	57739	18.6	4.7	7.6	24	1.9	3.8
1400	-1975	495749	5586333	57740	18.6	3.8	9.3	24	1.8	4.1
1400	-1962.5	495744	5586345	57741	18.6	3	10	24	1.9	3.1
1400	-1950	495740	5586356	57741	18.6	5	12.1	24	2.4	5.2
1400	-1937.5	495735	5586368	57740	18.6	4.4	13.9	24	0.1	4.4
1400	-1925	495730	5586379	57739	18.6	1.9	15.4	24	0.9	5.6
1400	-1912.5	495725	5586391	57739	18.6	0.9	17.6	24	-0.6	4.3
1400	-1900	495720	5586402	57739	18.6	0.4	18.7	24	-1.7	6.3
1400	-200	495041	5587974	57751	18.6	-80.7	-197.7	24	-25.3	11.6
1400	-187.5	495036	5587986	57893	18.6	-200	-200	24	-31.9	7.7
1400	-175	495031	5587997	57803	18.6	-43.8	-200	24	-36.5	4.7
1400	-162.5	495026	5588009	57716	18.6	-122.9	-200	24	-41.4	3.4
1400	-150	495021	5588020	57713	18.6	30.5	-200	24	-49.9	-1.7
1400	-137.5	495016	5588031	57663	18.6	-200	-200	24	-58.2	-5.3
1400	-125	495011	5588043	57737	18.6	-200	-200	24	-74.2	-7.8
1400	-112.5	495006	5588054	57759	18.6	-200	-200	24	-61.9	3.8
1400	-100	495001	5588066	57788	18.6	-200	-200	24	-47	12.5
1400	-87.5	494996	5588077	57787	18.6	7.8	-137.3	24	-41.7	14.4
1400	-75	494992	5588089	57775	18.6	-42.8	-144.8	24	-35	15.3
1400	-62.5	494987	5588100	57778	18.6	-51	-139.2	24	-29.3	13.7
1400	-50	494982	5588112	57787	18.6	-90.4	-145.1	24	-22.4	12.1
1400	-37.5	494977	5588123	57798	18.6	4.9	-78.3	24	-18.3	12.7
1400	-25	494972	5588135	57806	18.6	15.2	-69.9	24	-15.4	10.4
1400	-12.5	494967	5588146	57805	18.6	-11.5	-73.9	24	-12.8	8
1400	0	494962	5588158	57799	18.6	-134	-127.7	24	-9.1	5.2
1400	12.5	494957	5588169	57793	18.6	15.3	-47.6	24	-4	1.8
1400	25	494952	5588181	57792	18.6	-29.1	-47.6	24	3.7	1
1400	37.5	494947	5588192	57787	18.6	-200	14	24	10.5	-3
1400	50	494942	5588204	57779	18.6	-30.7	27.4	24	18.9	-6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1400	62.5	494937	5588215	57767	18.6	-34.9	68.4	24	30.8	-6.8
1400	75	494932	5588227	57752	18.6	-2.7	200	24	44.3	-9.2
1400	87.5	494927	5588238	57742	18.6	200	200	24	61.2	-8
1400	100	494922	5588250	57742	18.6	-68.4	71	24	78.4	-5.7
1400	112.5	494917	5588261	57731	18.6	-21.9	200	24	91.1	2.9
1400	125	494912	5588272	57711	18.6	-76.2	81.5	24	86.7	-0.2
1400	137.5	494907	5588284	57753	18.6	-52.9	70.2	24	67.4	-1.7
1400	150	494902	5588295	57763	18.6	-37.8	89.7	24	54.9	-6.2
1400	162.5	494897	5588307	57757	18.6	-38.3	37.5	24	49.1	-7.5
1400	175	494892	5588318	57769	18.6	33.8	73.6	24	38.9	-10.7
1400	187.5	494887	5588330	57777	18.6	17	96.1	24	32.4	-14.1
1400	200	494883	5588341	57767	18.6	-200	200	24	22.2	-17.5
1400	212.5	494878	5588353	57765	18.6	-54.9	83	24	13.9	-18.8
1400	225	494873	5588364	57786	18.6	-68.2	-1.5	24	6.9	-21.8
1400	237.5	494868	5588376	57783	18.6	-74.8	54.9	24	-1.2	-22.4
1400	250	494863	5588387	57827	18.6	-84.7	33.1	24	-11.7	-26.4
1400	262.5	494858	5588399	57746	18.6	-53.3	35.6	24	-29.2	-31.8
1400	275	494853	5588410	57784	18.6	-60.5	27	24	-40.4	-34.9
1400	287.5	494848	5588422	57824	18.6	-75.7	13.2	24	-26.9	-19.7
1400	300	494843	5588433	57829	18.6	21.3	-34.1	24	-15.5	-12.7
1400	312.5	494838	5588445	57824	18.6	20.9	40.8	24	-8.6	-8.9
1400	325	494833	5588456	57823	18.6	32.6	-32.6	24	-4.6	-7.2
1400	337.5	494828	5588468	57822	18.6	118.3	-10.8	24	0	-1.8
1400	350	494823	5588479	57815	18.6	-1	-39.7	24	10.8	3.9
1400	362.5	494818	5588491	57800	18.6	-5.1	-32.7	24	15.4	1.1
1400	375	494813	5588502	57772	18.6	-8.2	-38.8	24	23.5	7.2
1400	387.5	494808	5588513	57763	18.6	-19.6	-35.7	24	34.9	14.4
1400	400	494803	5588525	57779	18.6	-34.1	-39.2	24	50.7	27.5
1400	412.5	494798	5588536	57756	18.6	-44.7	-39.9	24	58.3	38
1400	425	494793	5588548	57761	18.6	-23.4	65.5	24	38.9	33.7
1400	437.5	494788	5588559	57778	18.6	-14.1	-43.4	24	29.5	28.6
1400	450	494783	5588571	57769	18.6	-23.2	56.5	24	19.4	23.4
1400	462.5	494779	5588582	57799	18.6	-7.4	-45.4	24	16	23.9
1400	475	494774	5588594	57791	18.6	-16.1	58.8	24	18.2	25.9
1400	487.5	494769	5588605	57758	18.6	-24.3	53	24	11.2	27.5
1400	500	494764	5588617	57794	18.6	-23	52.8	24	1.5	23.8

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1400	512.5	494759	5588628	57793	18.6	-34	55	24	-6.7	19.4
1400	525	494754	5588640	57899	18.6	-52.4	51.2	24	-14.4	17.6
1400	537.5	494749	5588651	57441	18.6	-45.3	53.8	24	-22.6	13.5
1400	550	494744	5588663	57729	18.6	39.1	-70.6	24	-33.8	8
1500	-2950	496228	5585478	57729	18.6	-19.5	-0.5	24	-2.7	3.1
1500	-2937.5	496223	5585489	57722	18.6	-18.1	-2.8	24	-0.5	3
1500	-2925	496218	5585501	57716	18.6	-14.8	-2	24	-1.5	0
1500	-2912.5	496213	5585512	57716	18.6	-14	-2.6	24	-0.4	1.2
1500	-2900	496208	5585524	57719	18.6	-13.6	-2.3	24	-1.1	0.9
1500	-2887.5	496203	5585535	57718	18.6	-14.2	-1.4	24	0.3	1.5
1500	-2875	496198	5585547	57721	18.6	-11.7	-3.7	24	-0.5	0
1500	-2862.5	496193	5585558	57720	18.6	-9.1	-1.6	24	0.8	0.4
1500	-2850	496188	5585570	57721	18.6	-13.6	-5.8	24	0.9	1.4
1500	-2837.5	496183	5585581	57717	18.6	-11.4	-8.3	24	0.9	-0.6
1500	-2825	496178	5585593	57714	18.6	-5.7	-8.3	24	3.2	-3.9
1500	-2812.5	496173	5585604	57711	18.6	-6.8	-9.1	24	4.1	-3.2
1500	-2800	496168	5585616	57707	18.6	-7.8	-9.8	24	3.7	-4.1
1500	-2787.5	496163	5585627	57700	18.6	-6.8	-10.8	24	5.9	-4.5
1500	-2775	496158	5585639	57696	18.6	0.9	-11.5	24	5.1	-11
1500	-2762.5	496153	5585650	57695	18.6	-3.8	-11.6	24	4	-8.4
1500	-2750	496148	5585662	57697	18.6	-3.6	-10.3	24	2.8	-7.1
1500	-2737.5	496143	5585673	57699	18.6	-7.3	-9.5	24	2.5	-6.5
1500	-2725	496138	5585684	57703	18.6	-6.4	-9.7	24	2	-8.4
1500	-2712.5	496133	5585696	57706	18.6	-7.5	-7.5	24	1.8	-4.9
1500	-2700	496129	5585707	57706	18.6	-6.8	-7.1	24	1	-5.8
1500	-2687.5	496124	5585719	57708	18.6	-5.1	-5.1	24	2	-5.3
1500	-2675	496119	5585730	57709	18.6	-6.8	-5.5	24	2	-3.1
1500	-2662.5	496114	5585742	57710	18.6	-1.7	-3.2	24	3.9	-4.2
1500	-2650	496109	5585753	57710	18.6	-4.1	-2.9	24	4.4	-3.2
1500	-2637.5	496104	5585765	57714	18.6	-5.3	-3.8	24	3.4	-3.4
1500	-2625	496099	5585776	57720	18.6	-3.2	-2.7	24	4.4	-3.4
1500	-2612.5	496094	5585788	57726	18.6	2	4.2	24	2.7	-2.6
1500	-2600	496089	5585799	57730	18.6	-3.3	-0.1	24	2.5	-2.1
1500	-2587.5	496084	5585811	57732	18.6	-1.2	1.5	24	3	-1
1500	-2575	496079	5585822	57736	18.6	-5.8	0	24	0.8	0.2
1500	-2562.5	496074	5585834	57740	18.6	-2.4	1.1	24	1.5	-0.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1500	-2550	496069	5585845	57741	18.6	2.2	8.2	24	1.3	0.8
1500	-2537.5	496064	5585857	57741	18.6	-2.5	2.5	24	1.2	2.6
1500	-2525	496059	5585868	57740	18.6	-3.3	2	24	1.7	1.5
1500	-2512.5	496054	5585880	57739	18.6	-4	3.7	24	1.9	-1.6
1500	-2500	496049	5585891	57740	18.6	-2.8	0.2	24	1.8	3.2
1500	-2487.5	496044	5585903	57739	18.6	-2.4	0	24	1.6	-0.1
1500	-2475	496039	5585914	57735	18.6	-0.3	0.4	24	1.6	-0.1
1500	-2462.5	496034	5585925	57729	18.6	-1.7	-1	24	3.1	1.4
1500	-2450	496029	5585937	57722	18.6	-0.3	-0.7	24	0.7	-0.3
1500	-2437.5	496024	5585948	57717	18.6	-2.6	-0.7	24	1.1	-1.3
1500	-2425	496020	5585960	57713	18.6	-3	-1.9	24	0.8	0.2
1500	-2412.5	496015	5585971	57711	18.6	-1.7	-1.6	24	1.3	-1.8
1500	-2400	496010	5585983	57707	18.6	-2.9	-0.9	24	1.5	-1.2
1500	-2387.5	496005	5585994	57705	18.6	-3.5	-0.7	24	1.4	-0.4
1500	-2375	496000	5586006	57702	18.6	-0.7	-1.6	24	2.2	-0.8
1500	-2362.5	495995	5586017	57702	18.6	-0.8	-1.1	24	2.7	-0.3
1500	-2350	495990	5586029	57703	18.6	0.6	0	24	1.8	0.3
1500	-2337.5	495985	5586040	57707	18.6	1.4	0.4	24	2.3	0.6
1500	-2325	495980	5586052	57713	18.6	1.2	1.9	24	2	0.8
1500	-2312.5	495975	5586063	57721	18.6	0.3	1.2	24	1.8	1.6
1500	-2300	495970	5586075	57728	18.6	-2	1.6	24	0.5	1.9
1500	-2287.5	495965	5586086	57735	18.6	-2.5	1	24	-0.3	-0.9
1500	-2275	495960	5586098	57738	18.6	-2.1	1.4	24	0.4	0
1500	-2262.5	495955	5586109	57741	18.6	-2.6	2.3	24	0.8	-1.7
1500	-2250	495950	5586121	57740	18.6	0.3	2.1	24	1.2	1.3
1500	-2237.5	495945	5586132	57739	18.6	0	0.4	24	0.1	0
1500	-2225	495940	5586144	57737	18.6	0	2	24	1.6	-0.4
1500	-2212.5	495935	5586155	57737	18.6	-2.1	1.1	24	0.9	-2.6
1500	-2200	495930	5586166	57737	18.6	0.4	-1.2	24	0	-3.3
1500	-2187.5	495925	5586178	57737	18.6	-2.2	-2.1	24	0.4	-4.9
1500	-2175	495920	5586189	57734	18.6	-0.7	-1.7	24	0.4	-4.5
1500	-2162.5	495916	5586201	57731	18.6	0.7	-2.4	24	0.8	-4.2
1500	-2150	495911	5586212	57729	18.6	-1.1	-5.1	24	1.6	-7.5
1500	-2137.5	495906	5586224	57728	18.6	-0.4	-5.9	24	1.8	-10.6
1500	-2125	495901	5586235	57727	18.6	0	-6.9	24	2.7	-10.7
1500	-2112.5	495896	5586247	57725	18.6	1.5	-7.6	24	3.6	-12.1

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1500	-2100	495891	5586258	57723	18.6	2.3	-7.9	24	6.6	-15.3
1500	-2087.5	495886	5586270	57720	18.6	5.1	-8.1	24	8.5	-13.1
1500	-2075	495881	5586281	57719	18.6	7.9	-7.7	24	11.1	-15
1500	-2062.5	495876	5586293	57720	18.6	6.3	-8.1	24	14.1	-17.4
1500	-2050	495871	5586304	57721	18.6	6.4	-7.5	24	17.1	-18.8
1500	-2037.5	495866	5586316	57724	18.6	6.1	-6.4	24	16.5	-16.2
1500	-2025	495861	5586327	57730	18.6	4	-3.4	24	14.8	-15.7
1500	-2012.5	495856	5586339	57735	18.6	0.1	-2.4	24	12.4	-17.1
1500	-2000	495851	5586350	57737	18.6	-1.8	-1.1	24	7	-14.6
1500	-1987.5	495846	5586362	57737	18.6	-2.3	-1.7	24	4	-11.1
1500	-1975	495841	5586373	57737	18.6	-4.1	-2.1	24	3.5	-10.3
1500	-1962.5	495836	5586385	57737	18.6	-3.5	-2.2	24	2.5	-9.7
1500	-1950	495831	5586396	57737	18.6	-4.7	-4.5	24	2.4	-9.3
1500	-1937.5	495826	5586407	57738	18.6	-4.8	-5.6	24	2.3	-8.7
1500	-1925	495821	5586419	57739	18.6	-3.7	-7.5	24	1.9	-6.7
1500	-1912.5	495816	5586430	57739	18.6	-1.2	-8.6	24	2.2	-5
1500	-1900	495811	5586442	57733	18.6	0	-8	24	3.7	-5.9
1500	-200	495133	5588014	57792	18.6	54.6	-110	24	-29.4	15.5
1500	-187.5	495128	5588025	57786	18.6	52.1	-101.8	24	-31.2	14.3
1500	-175	495123	5588037	57745	18.6	35.1	-106.6	24	-26.4	15.6
1500	-162.5	495118	5588048	57727	18.6	41.8	-96.7	24	-26.9	18.8
1500	-150	495113	5588060	57840	18.6	43.7	-105.1	24	-28	21.4
1500	-137.5	495108	5588071	57896	18.6	55.7	-112.2	24	-35.2	21
1500	-125	495103	5588083	57593	18.6	59.4	-138.5	24	-44.1	19.7
1500	-112.5	495098	5588094	57726	18.6	71.3	-135.7	24	-55.1	17.9
1500	-100	495093	5588106	57763	18.6	26.3	-151.2	24	-50.7	17
1500	-87.5	495088	5588117	57767	18.6	-200	-200	24	-46.6	18.4
1500	-75	495083	5588129	57763	18.6	-22.1	-150.4	24	-40	19.4
1500	-62.5	495078	5588140	57758	18.6	-38.7	-147.1	24	-36.8	18.9
1500	-50	495073	5588151	57751	18.6	-200	-200	24	-34.3	18.5
1500	-37.5	495068	5588163	57760	18.6	-200	-88.6	24	-30.1	16.8
1500	-25	495064	5588174	57783	18.6	-158.2	-32.3	24	-24	12.3
1500	-12.5	495059	5588186	57799	18.6	-115	-12.6	24	-14.3	8.1
1500	0	495054	5588197	57787	18.6	-57.4	11	24	-2.8	3.8
1500	12.5	495049	5588209	57760	18.6	-46.8	7.7	24	7.1	-3.8
1500	25	495044	5588220	57746	18.6	-29.3	27.9	24	15.4	-6.1

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1500	37.5	495039	5588232	57741	18.6	-6.6	35.1	24	19	-8.6
1500	50	495034	5588243	57751	18.6	-52.3	58.7	24	18	-10.1
1500	62.5	495029	5588255	57760	18.6	-52.3	25.4	24	17.9	-10.7
1500	75	495024	5588266	57761	18.6	26	67.2	24	24.6	-10.2
1500	87.5	495019	5588278	57766	18.6	42.5	67.6	24	33	-10.4
1500	100	495014	5588289	57762	18.6	63	55.1	24	44.7	-9.1
1500	112.5	495009	5588301	57737	18.6	114.1	160.6	24	56.5	-6.7
1500	125	495004	5588312	57639	18.6	140.8	200	24	56.3	-6.1
1500	137.5	494999	5588324	57728	18.6	-36.1	63.6	24	34.9	-14.3
1500	150	494994	5588335	57750	18.6	-33.6	3.4	24	22.3	-18.1
1500	162.5	494989	5588347	57755	18.6	-41.9	14.7	24	10.4	-18.6
1500	175	494984	5588358	57780	18.6	-88.9	2.3	24	-0.2	-23.3
1500	187.5	494979	5588370	57773	18.6	-37.3	-43.4	24	-12.9	-27.8
1500	200	494974	5588381	57777	18.6	-5.3	-38.5	24	-20.1	-26.1
1500	212.5	494969	5588393	57804	18.6	-2.9	-32.7	24	-12.4	-16.4
1500	225	494964	5588404	57806	18.6	-38.1	-23.1	24	-5.8	-9.7
1500	237.5	494959	5588415	57798	18.6	-15.4	-24.4	24	2	-6.4
1500	250	494955	5588427	57799	18.6	-21.6	-23.9	24	12.5	-3.7
1500	262.5	494950	5588438	57790	18.6	6.3	66.7	24	33.2	9.9
1500	275	494945	5588450	57768	18.6	-48.8	-7.2	24	35.1	15
1500	287.5	494940	5588461	57806	18.6	-38.7	-24.2	24	16.7	4.7
1500	300	494935	5588473	57794	18.6	-81.5	12.4	24	13.8	6.5
1500	312.5	494930	5588484	57773	18.6	-39.6	-38.6	24	2.8	1.1
1500	325	494925	5588496	57773	18.6	-19.3	-47.7	24	-11.5	-3.9
1500	337.5	494920	5588507	57759	18.6	-9.3	-66.2	24	-29.2	-14
1500	350	494915	5588519	57792	18.6	-89.2	-1	24	-53.1	-21.1
1500	362.5	494910	5588530	57804	18.6	-44.4	-9.1	24	16.5	10.6
1500	375	494905	5588542	57802	18.6	9.8	46.5	24	20.9	18.1
1500	387.5	494900	5588553	57829	18.6	-43.3	-36.4	24	3.6	12.1
1500	400	494895	5588565	57814	18.6	-39.8	-43.6	24	-2.3	10.6
1500	412.5	494890	5588576	57811	18.6	-27.8	46.9	24	-7.6	11.9
1500	425	494885	5588588	57789	18.6	-68.2	-47.6	24	-12.6	9.5
1500	437.5	494880	5588599	57780	18.6	-48.2	41.1	24	-18	7.7
1500	450	494875	5588611	57782	18.6	-20.1	-61.4	24	-29.4	1.6
1500	462.5	494870	5588622	57787	18.6	-59	35	24	-24.1	7.8
1500	475	494865	5588634	57776	18.6	-10.2	-58.7	24	-31	6.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1500	487.5	494860	5588645	57795	18.6	-200	-200	24	-41.9	0.1
1500	500	494855	5588656	57770	18.6	-46.8	-0.6	24	-48.3	0.3
1500	512.5	494850	5588668	57781	18.6	51.4	-93.1	24	-55.1	-1.2
1500	525	494846	5588679	57764	18.6	32.9	-66.8	24	-60.7	-1
1500	537.5	494841	5588691	57723	18.6	63.1	-75	24	-74.8	-4.8
1500	550	494836	5588702	57750	18.6	55.7	-63	24	-79.5	-3.8
1500	562.5	494831	5588714	57700	18.6	117.1	-44.4	24	-91.7	-8.8
1500	575	494826	5588725	57647	18.6	87.8	-68.1	24	-91.6	-11.2
1600	-2950	496319	5585518	57720	18.6	-19.2	13.6	24	-13.9	1.7
1600	-2937.5	496314	5585529	57713	18.6	-11.2	11.9	24	-8.4	2.7
1600	-2925	496309	5585541	57709	18.6	-9.4	13.4	24	-3.9	2.1
1600	-2912.5	496305	5585552	57705	18.6	-9.8	12.6	24	-3.4	3.1
1600	-2900	496300	5585564	57713	18.6	-16.9	-5.5	24	-5.2	1.6
1600	-2887.5	496295	5585575	57720	18.6	-14.6	11.9	24	-5.9	1.8
1600	-2875	496290	5585586	57727	18.6	-11.6	11.3	24	-3.3	-0.7
1600	-2862.5	496285	5585598	57730	18.6	-6.8	9.1	24	-2.1	-0.7
1600	-2850	496280	5585609	57727	18.6	-10.4	-3.9	24	0.6	-4.5
1600	-2837.5	496275	5585621	57727	18.6	-13.5	-4.3	24	2.6	-6.1
1600	-2825	496270	5585632	57724	18.6	-8.2	-9.3	24	4.7	-7.3
1600	-2812.5	496265	5585644	57728	18.6	-5.6	-9.8	24	6.4	-9.2
1600	-2800	496260	5585655	57731	18.6	-1.5	-8	24	7.1	-10.5
1600	-2787.5	496255	5585667	57724	18.6	9.3	-7.6	24	9.8	-13.4
1600	-2775	496250	5585678	57718	18.6	-0.1	-11.2	24	13.6	-14.6
1600	-2762.5	496245	5585690	57712	18.6	16.1	-10.3	24	17.3	-17.7
1600	-2750	496240	5585701	57704	18.6	17.7	-11.9	24	20.3	-15.9
1600	-2737.5	496235	5585713	57698	18.6	-0.8	-14.6	24	21.5	-16.1
1600	-2725	496230	5585724	57697	18.6	2.2	-14.7	24	22.7	-15.9
1600	-2712.5	496225	5585736	57699	18.6	10.4	-9.3	24	21.9	-14.2
1600	-2700	496220	5585747	57702	18.6	6.9	-7.3	24	21.6	-15.4
1600	-2687.5	496215	5585759	57706	18.6	-9.9	-14.4	24	19	-14.7
1600	-2675	496210	5585770	57708	18.6	-11.6	-10	24	16.1	-14.3
1600	-2662.5	496205	5585782	57709	18.6	-9.2	-6.8	24	14.1	-12.5
1600	-2650	496201	5585793	57711	18.6	-12.8	-7.3	24	10.1	-9.5
1600	-2637.5	496196	5585805	57717	18.6	-10.2	-7.6	24	8.7	-10.1
1600	-2625	496191	5585816	57722	18.6	-5.6	-7	24	8.6	-9.8
1600	-2612.5	496186	5585827	57727	18.6	-1.5	6.7	24	6	-6.2

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1600	-2600	496181	5585839	57733	18.6	-9.4	-1.9	24	6.1	-5.6
1600	-2587.5	496176	5585850	57738	18.6	-9.3	0	24	4.1	-2.7
1600	-2575	496171	5585862	57667	18.6	-9	1	24	1.8	-1.1
1600	-2562.5	496166	5585873	57745	18.6	-0.5	9.6	24	2.8	-0.6
1600	-2550	496161	5585885	57746	18.6	-0.6	9	24	1.1	3.7
1600	-2537.5	496156	5585896	57747	18.6	-10.3	-0.1	24	3.4	0.8
1600	-2525	496151	5585908	57747	18.6	-7.9	1.9	24	3.8	0.5
1600	-2512.5	496146	5585919	57745	18.6	1.9	6.9	24	3	1.1
1600	-2500	496141	5585931	57744	18.6	-9.9	-0.3	24	3.5	0.9
1600	-2487.5	496136	5585942	57745	18.6	3	4.7	24	3	0.1
1600	-2475	496131	5585954	57746	18.6	5.1	4	24	0.8	-3.5
1600	-2462.5	496126	5585965	57747	18.6	-3.5	-3.1	24	5	-2
1600	-2450	496121	5585977	57747	18.6	-2	-2.9	24	5.7	-3.7
1600	-2437.5	496116	5585988	57746	18.6	-5	-2.9	24	4.9	-2.7
1600	-2425	496111	5586000	57746	18.6	2.4	0.2	24	5.4	-2.9
1600	-2412.5	496106	5586011	57744	18.6	-6.9	-3	24	4.8	-4.4
1600	-2400	496101	5586023	57744	18.6	-5.3	-2.1	24	2.8	-2.6
1600	-2387.5	496096	5586034	57742	18.6	-4.8	-4.9	24	5.2	-5
1600	-2375	496092	5586046	57741	18.6	-0.9	1	24	-0.7	-3.8
1600	-2362.5	496087	5586057	57742	18.6	-4.9	-2.9	24	4.2	-3.8
1600	-2350	496082	5586068	57741	18.6	-4.2	-3.3	24	6	-5
1600	-2337.5	496077	5586080	57741	18.6	-5.4	-1.1	24	3.7	-2.9
1600	-2325	496072	5586091	57740	18.6	-5.5	-1.7	24	5.4	-3.2
1600	-2312.5	496067	5586103	57740	18.6	-3.8	-1.7	24	4.4	-2.6
1600	-2300	496062	5586114	57740	18.6	-4	-0.9	24	5.3	-3.2
1600	-2287.5	496057	5586126	57741	18.6	-4	-1.6	24	5.1	-3.7
1600	-2275	496052	5586137	57741	18.6	-4.1	-0.3	24	4.8	-3.6
1600	-2262.5	496047	5586149	57741	18.6	-3.3	0	24	0.2	-2.8
1600	-2250	496042	5586160	57742	18.6	-4.9	-0.4	24	-0.9	-5.3
1600	-2237.5	496037	5586172	57743	18.6	-4.9	-2.3	24	0	-4.2
1600	-2225	496032	5586183	57743	18.6	-4.3	-2.5	24	-0.5	-5.6
1600	-2212.5	496027	5586195	57743	18.6	-4.2	-4.4	24	-1.1	-4.7
1600	-2200	496022	5586206	57743	18.6	-5.5	-5.1	24	-0.4	-8.6
1600	-2187.5	496017	5586218	57741	18.6	-4.4	-5.1	24	-0.2	-9
1600	-2175	496012	5586229	57742	18.6	-3.5	-5.8	24	-1.4	-10.1
1600	-2162.5	496007	5586241	57743	18.6	-1.5	-7.3	24	0.1	-9.7

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1600	-2150	496002	5586252	57743	18.6	-4.2	-8.4	24	1.2	-13.5
1600	-2137.5	495997	5586264	57742	18.6	-3.8	-8.1	24	1.3	-12.9
1600	-2125	495992	5586275	57743	18.6	-1	-11.1	24	1.8	-12.5
1600	-2112.5	495987	5586287	57745	18.6	0.9	-12.4	24	3.8	-13.1
1600	-2100	495983	5586298	57746	18.6	1.1	-11.2	24	4	-12.8
1600	-2087.5	495978	5586309	57747	18.6	2.8	-11.6	24	6.3	-14.9
1600	-2075	495973	5586321	57747	18.6	5	-10.6	24	8.7	-15.2
1600	-2062.5	495968	5586332	57745	18.6	8	-12.6	24	9.8	-14.2
1600	-2050	495963	5586344	57745	18.6	8.6	-11.4	24	11.9	-13.3
1600	-2037.5	495958	5586355	57752	18.6	11.2	-12.3	24	12.6	-12.2
1600	-2025	495953	5586367	57759	18.6	10.4	-8.7	24	12.9	-9.8
1600	-2012.5	495948	5586378	57758	18.6	9.1	-7.7	24	11.1	-10.5
1600	-2000	495943	5586390	57762	18.6	3.3	-6	24	7.8	-10.1
1600	-1987.5	495938	5586401	57758	18.6	1.8	-2.8	24	6.8	-5.4
1600	-1975	495933	5586413	57747	18.6	-4.7	-0.6	24	5.2	-7.6
1600	-1962.5	495928	5586424	57757	18.6	-10.2	3.1	24	-0.2	-7.9
1600	-1950	495923	5586436	57757	18.6	-13.1	4.1	24	-3.8	-7.3
1600	-1937.5	495918	5586447	57747	18.6	-14.5	6.8	24	-6.5	-6.5
1600	-1925	495913	5586459	57744	18.6	-18.4	7.8	24	-9.3	-7.6
1600	-1912.5	495908	5586470	57747	18.6	-13.9	7.1	24	-8	-5.8
1600	-1900	495903	5586482	57749	18.6	-11	6	24	-5.1	-4.3
1600	-1887.5	495898	5586493	57748	18.6	-8.4	3.8	24	-3.5	-4.2
1600	-1875	495893	5586505	57751	18.6	-6	2.9	24	-2.3	-3.3
1600	-1862.5	495888	5586516	57753	18.6	-2.5	0.2	24	1.1	-3.1
1600	-1850	495883	5586528	57755	18.6	0.9	-0.1	24	2.5	-2.3
1600	-1837.5	495879	5586539	57754	18.6	0.1	-0.7	24	3.8	-3.3
1600	-1825	495874	5586550	57755	18.6	0.2	0.1	24	2.8	-1.9
1600	-1812.5	495869	5586562	57758	18.6	-2.8	3.2	24	2.3	-2
1600	-1800	495864	5586573	57761	18.6	-5.8	5	24	1.4	-1.4
1600	-1787.5	495859	5586585	57758	18.6	-2.7	7.2	24	-0.1	-0.8
1600	-1775	495854	5586596	57756	18.6	-3	9	24	0.3	1.4
1600	-1762.5	495849	5586608	57756	18.6	-4.2	10.6	24	-0.5	0.1
1600	-1750	495844	5586619	57758	18.6	-2.6	11.7	24	-1.1	3.1
1600	-1737.5	495839	5586631	57760	18.6	-3.4	12.1	24	-0.5	2
1600	-1725	495834	5586642	57761	18.6	-3	9.6	24	0.8	2.2
1600	-1712.5	495829	5586654	57764	18.6	-2.6	7.1	24	0.8	1.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1600	-1700	495824	5586665	57766	18.6	-3.4	2.8	24	2.2	-0.7
1600	-1687.5	495819	5586677	57768	18.6	-4.1	-2.2	24	0.9	-2.3
1600	-1675	495814	5586688	57769	18.6	-3.8	-7.3	24	1.4	-3.4
1600	-1662.5	495809	5586700	57769	18.6	-3.8	-13.4	24	2.7	-5.1
1600	-1650	495804	5586711	57770	18.6	-3.6	-18.6	24	2.9	-7.2
1600	-1637.5	495799	5586723	57773	18.6	-3.4	-24.6	24	4.4	-8.7
1600	-1625	495794	5586734	57776	18.6	-1.1	-29	24	4.6	-8.2
1600	-1612.5	495789	5586746	57779	18.6	1	-32.7	24	7.1	-9.8
1600	-1600	495784	5586757	57784	18.6	2.4	-35.5	24	9.2	-10.4
1600	-1587.5	495779	5586769	57795	18.6	3.5	-35.4	24	11.9	-10.8
1600	-1575	495774	5586780	57811	18.6	2.2	-33.9	24	13.8	-10.3
1600	-1562.5	495770	5586791	57826	18.6	-0.5	-30.8	24	13.4	-10.5
1600	-1550	495765	5586803	57844	18.6	-2.7	-25.8	24	13	-10.5
1600	-1537.5	495760	5586814	57870	18.6	-2.8	-21.3	24	10.4	-8.3
1600	-1525	495755	5586826	57896	18.6	-1.9	-18	24	11.4	-7.8
1600	-1512.5	495750	5586837	57913	18.6	-2	-15.4	24	9.5	-7.5
1600	-1500	495745	5586849	57896	18.6	0	-12.4	24	9.2	-4.5
1600	-1487.5	495740	5586860	57848	18.6	1.3	-10.1	24	9	-5.8
1600	-1475	495735	5586872	57811	18.6	2.8	-7.9	24	9.2	-3
1600	-1462.5	495730	5586883	57785	18.6	4.1	-4.9	24	9.8	-2.3
1600	-1450	495725	5586895	57775	18.6	3	-1.7	24	10.3	-3.4
1600	-1437.5	495720	5586906	57772	18.6	0	3.7	24	7.5	-2.3
1600	-1425	495715	5586918	57766	18.6	-3.2	8.3	24	5.1	-1.7
1600	-1412.5	495710	5586929	57759	18.6	-6.5	12.4	24	2.7	-1.1
1600	-1400	495705	5586941	57755	18.6	-7.6	13.2	24	0.9	1.1
1600	-1387.5	495700	5586952	57752	18.6	-5.4	12	24	0	0
1600	-1375	495695	5586964	57749	18.6	-2.6	8.9	24	2.8	-0.2
1600	-1362.5	495690	5586975	57744	18.6	0.6	6.4	24	2.9	-0.5
1600	-1350	495685	5586987	57740	18.6	2	4.2	24	4.7	-3.1
1600	-1337.5	495680	5586998	57739	18.6	3.4	2.9	24	4.4	0.4
1600	-1325	495675	5587010	57739	18.6	3	1.6	24	4.2	-0.1
1600	-1312.5	495670	5587021	57742	18.6	1.5	-2.8	24	3.2	1.2
1600	-1300	495666	5587033	57747	18.6	2.4	-6.6	24	2.6	0
1600	-1287.5	495661	5587044	57751	18.6	2.5	-12.9	24	3.5	-1.1
1600	-1275	495656	5587055	57754	18.6	3.4	-17.9	24	2.3	-2.1
1600	-1262.5	495651	5587067	57755	18.6	5	-23	24	1.8	-1.6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1600	-1250	495646	5587078	57755	18.6	5.5	-29.5	24	2.1	-4.9
1600	-1237.5	495641	5587090	57754	18.6	7.9	-35.1	24	1.7	-5.5
1600	-1225	495636	5587101	57753	18.6	9.6	-40.6	24	2	-7.4
1600	-1212.5	495631	5587113	57753	18.6	14.8	-48.1	24	2.6	-10.1
1600	-1200	495626	5587124	57754	18.6	18	-52.1	24	1.6	-11.2
1600	-1187.5	495621	5587136	57754	18.6	22.3	-57.8	24	2.4	-14
1600	-1175	495616	5587147	57755	18.6	27.8	-61.2	24	5.2	-17.3
1600	-1162.5	495611	5587159	57756	18.6	33	-67	24	6.1	-16.8
1600	-1150	495606	5587170	57757	18.6	36.8	-70.5	24	8.3	-17.6
1600	-1137.5	495601	5587182	57759	18.6	40	-73.2	24	9.9	-17.7
1600	-1125	495596	5587193	57759	18.6	43.1	-77.3	24	11.7	-18
1600	-1112.5	495591	5587205	57762	18.6	44.6	-80.6	24	11.9	-17.1
1600	-1100	495586	5587216	57767	18.6	45.2	-80.6	24	13.1	-17.8
1600	-1087.5	495581	5587228	57771	18.6	49	-83.5	24	14	-16.8
1600	-1075	495576	5587239	57773	18.6	53.4	-85.3	24	15.6	-16.6
1600	-1062.5	495571	5587251	57772	18.6	56.9	-87.5	24	15.8	-14.4
1600	-1050	495566	5587262	57773	18.6	59.1	-90	24	17	-14
1600	-1037.5	495561	5587274	57776	18.6	63.1	-89.7	24	19.1	-14.1
1600	-1025	495557	5587285	57780	18.6	68	-88.7	24	19.7	-14.7
1600	-1012.5	495552	5587296	57785	18.6	74.6	-86.6	24	22.9	-14
1600	-1000	495547	5587308	57790	18.6	82.3	-90.9	24	25.3	-12.5
1600	-987.5	495542	5587319	57791	18.6	100.9	-95.6	24	30.2	-12.2
1600	-975	495537	5587331	57786	18.6	109.2	-95.2	24	35.5	-11
1600	-962.5	495532	5587342	57779	18.6	105.2	-93.3	24	36.8	-8.7
1600	-950	495527	5587354	57769	18.6	110	-93.6	24	43	-6.7
1600	-937.5	495522	5587365	57755	18.6	102.8	-90.8	24	46	-3.6
1600	-925	495517	5587377	57732	18.6	106.4	-97.7	24	50.7	0.5
1600	-912.5	495512	5587388	57736	18.6	114.4	-111.8	24	51.5	2.1
1600	-900	495507	5587400	57743	18.6	104.6	-108.1	24	49.9	-0.8
1600	-200	495225	5588053	57771	18.6	19.6	-81.7	24	-7.8	25.2
1600	-187.5	495220	5588065	57755	18.6	-13.4	-78.3	24	4.8	33.3
1600	-175	495215	5588076	57737	18.6	-33.3	-76.6	24	10.9	42.1
1600	-162.5	495210	5588088	57732	18.6	-64.5	-76.3	24	17.6	54.4
1600	-150	495205	5588099	57717	18.6	-76.4	-111.3	24	-3.1	58.8
1600	-137.5	495200	5588111	57729	18.6	-35.1	-140.7	24	-20	46.1
1600	-125	495195	5588122	57727	18.6	0.3	-154	24	-34.3	36

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1600	-112.5	495190	5588134	57727	18.6	26.2	-169.8	24	-47.4	27.6
1600	-100	495185	5588145	57749	18.6	25.1	-170.9	24	-57.1	20.8
1600	-87.5	495180	5588157	57792	18.6	-3.3	-173.6	24	-55.3	22
1600	-75	495175	5588168	57793	18.6	-70.7	-173.9	24	-45.3	20.3
1600	-62.5	495170	5588180	57775	18.6	-153	-190.8	24	-36.5	19.1
1600	-50	495165	5588191	57765	18.6	-200	-200	24	-28.1	18.3
1600	-37.5	495160	5588203	57911	18.6	-44.6	-106.5	24	-23.3	15.8
1600	-25	495155	5588214	57792	18.6	-74.7	-104.8	24	-16.1	14.7
1600	-12.5	495150	5588226	57784	18.6	-155	-105	24	-11.8	13
1600	0	495145	5588237	57782	18.6	-62.2	-65.5	24	-5.7	10.5
1600	12.5	495140	5588249	57784	18.6	-33.8	-40.1	24	2.2	7.7
1600	25	495135	5588260	57784	18.6	-69.6	-13.1	24	8.6	7.4
1600	37.5	495131	5588272	57789	18.6	-110.9	98	24	12.9	7.4
1600	50	495126	5588283	57793	18.6	-50.7	102.6	24	14	4.5
1600	62.5	495121	5588294	57797	18.6	-9.5	67.2	24	14.2	1.2
1600	75	495116	5588306	57805	18.6	-62.3	87.3	24	14.4	-4.9
1600	87.5	495111	5588317	57781	18.6	-51.8	73.8	24	16.3	-7.1
1600	100	495106	5588329	57757	18.6	-46.2	80.4	24	17.9	-11.4
1600	112.5	495101	5588340	57762	18.6	-28.7	118.4	24	18.7	-15.2
1600	125	495096	5588352	57754	18.6	-39.8	86.3	24	19.7	-15.6
1600	137.5	495091	5588363	57744	18.6	-46.6	66	24	11.4	-15.3
1600	150	495086	5588375	57712	18.6	-54.9	69	24	12.2	-11.9
1600	162.5	495081	5588386	57747	18.6	-45	12.3	24	2.1	-13.4
1600	175	495076	5588398	57763	18.6	-49.7	-9.6	24	-8.5	-16.7
1600	187.5	495071	5588409	57779	18.6	-31	-22.4	24	-17.8	-13.7
1600	200	495066	5588421	57811	18.6	-65.6	-45.9	24	-23.6	-18.7
1600	212.5	495061	5588432	57818	18.6	-48.2	-11.5	24	1.5	-0.2
1600	225	495056	5588444	57738	18.6	-50.8	-38.7	24	-15	-3.6
1600	237.5	495051	5588455	57784	18.6	-97.6	-41.3	24	-28.5	-8.9
1600	250	495046	5588467	57817	18.6	-54.7	-63.7	24	-40.4	-11.1
1600	262.5	495041	5588478	57816	18.6	-200	-47.9	24	-39.2	-6.9
1600	275	495036	5588490	57814	18.6	-119.3	43.9	24	-25.5	-1.7
1600	287.5	495031	5588501	57801	18.6	-170	45.3	24	-10.1	2.4
1600	300	495027	5588513	57794	18.6	-35.3	-19.5	24	-5	3.4
1600	312.5	495022	5588524	57790	18.6	-38	-15.3	24	7.6	6.1
1600	325	495017	5588535	57783	18.6	-44.8	4	24	27.8	18.6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1600	337.5	495012	5588547	57793	18.6	-28.9	-25	24	15.7	14
1600	350	495007	5588558	57820	18.6	-17.1	-40.6	24	2.3	10.4
1700	-2950	496411	5585557	57704	18.6	22.4	10.4	24	-8.4	-1
1700	-2937.5	496406	5585569	57708	18.6	13.8	10.6	24	-11.6	4.5
1700	-2925	496401	5585580	57709	18.6	13.8	7.1	24	-7.1	3.7
1700	-2912.5	496396	5585592	57709	18.6	19.3	9.3	24	-1.9	2.2
1700	-2900	496391	5585603	57707	18.6	15.4	5.4	24	-1.3	3.8
1700	-2887.5	496386	5585615	57716	18.6	16.3	8.3	24	-0.7	0.7
1700	-2875	496381	5585626	57729	18.6	10.4	7.1	24	-6.3	1.9
1700	-2862.5	496377	5585638	57738	18.6	-4.8	-4.9	24	0.1	1.2
1700	-2850	496372	5585649	57744	18.6	16.5	9.2	24	-1.3	-1.5
1700	-2837.5	496367	5585661	57744	18.6	15.4	4.6	24	-2	-1.1
1700	-2825	496362	5585672	57742	18.6	13.7	5.9	24	-1.4	-3.4
1700	-2812.5	496357	5585684	57734	18.6	20.3	4.7	24	1.4	-5.2
1700	-2800	496352	5585695	57730	18.6	21.1	1.6	24	6.1	-7.1
1700	-2787.5	496347	5585706	57724	18.6	21.9	3.4	24	5.1	-7.7
1700	-2775	496342	5585718	57712	18.6	17.7	2.2	24	5.9	-7.5
1700	-2762.5	496337	5585729	57709	18.6	28.4	-0.3	24	11.6	-8.6
1700	-2750	496332	5585741	57711	18.6	29.9	-0.1	24	19.3	-9.1
1700	-2737.5	496327	5585752	57709	18.6	33.3	1	24	20.2	-8.8
1700	-2725	496322	5585764	57699	18.6	37.1	4.8	24	28.3	-8.8
1700	-2712.5	496317	5585775	57691	18.6	42.5	7	24	24.8	-6.9
1700	-2700	496312	5585787	57677	18.6	40.9	8.3	24	28.8	-5.3
1700	-2687.5	496307	5585798	57677	18.6	28.8	14	24	22.9	-3.6
1700	-2675	496302	5585810	57679	18.6	28.9	11.5	24	12.3	-7.2
1700	-2662.5	496297	5585821	57830	18.6	13	6.3	24	0.3	-6.6
1700	-2650	496292	5585833	57723	18.6	3.8	4.4	24	-0.8	-8.1
1700	-2637.5	496287	5585844	57688	18.6	-0.6	2.7	24	-6.9	-6.6
1700	-2625	496282	5585856	57711	18.6	4.6	5.5	24	-3.9	-4.7
1700	-2612.5	496277	5585867	57717	18.6	0.1	8.8	24	-7.6	0.8
1700	-2600	496272	5585879	57725	18.6	-11	2.9	24	-0.8	2.1
1700	-2587.5	496268	5585890	57731	18.6	3.7	11.4	24	-0.6	3.7
1700	-2575	496263	5585902	57735	18.6	-2.5	11.7	24	0.2	6.1
1700	-2562.5	496258	5585913	57736	18.6	-2.9	14	24	-0.1	8.8
1700	-2550	496253	5585925	57739	18.6	6.7	12.1	24	-1.2	7.4
1700	-2537.5	496248	5585936	57743	18.6	4	13.1	24	-4.8	7.5

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1700	-2525	496243	5585948	57748	18.6	4.3	12.1	24	-0.3	7.3
1700	-2512.5	496238	5585959	57753	18.6	5.7	11.9	24	-4.5	8.8
1700	-2500	496233	5585970	57755	18.6	7.7	13.2	24	-0.1	8.2
1700	-2487.5	496228	5585982	57754	18.6	3.4	9.2	24	0.9	8.7
1700	-2475	496223	5585993	57753	18.6	9.4	10.7	24	-4.2	9
1700	-2462.5	496218	5586005	57752	18.6	8	6.1	24	1.6	8.6
1700	-2450	496213	5586016	57752	18.6	12.1	7.3	24	2.2	7
1700	-2437.5	496208	5586028	57751	18.6	9.8	4.6	24	0.7	4.5
1700	-2425	496203	5586039	57749	18.6	12.4	5.3	24	0.7	6.6
1700	-2412.5	496198	5586051	57747	18.6	9.1	2.1	24	-0.2	1.7
1700	-2400	496193	5586062	57743	18.6	6.9	2.5	24	-0.4	4.2
1700	-2387.5	496188	5586074	57744	18.6	7.8	0.7	24	-1.1	4.5
1700	-2375	496183	5586085	57741	18.6	8.9	0.8	24	-1.8	2.7
1700	-2362.5	496178	5586097	57739	18.6	4.9	-0.8	24	-2.1	1.7
1700	-2350	496173	5586108	57740	18.6	8.1	-0.2	24	-2	3.3
1700	-2337.5	496168	5586120	57740	18.6	3.6	-2	24	-1.5	3.7
1700	-2325	496164	5586131	57741	18.6	6.7	1	24	-9	5.2
1700	-2312.5	496159	5586143	57740	18.6	5	-0.2	24	-8.7	3.5
1700	-2300	496154	5586154	57740	18.6	5	-0.9	24	-2.9	2.2
1700	-2287.5	496149	5586166	57739	18.6	5.8	-1.2	24	-2.2	3
1700	-2275	496144	5586177	57736	18.6	5.3	-1	24	-2	2.7
1700	-2262.5	496139	5586189	57735	18.6	4.8	-0.8	24	-2.8	1.8
1700	-2250	496134	5586200	57735	18.6	4.3	-2.3	24	-1.5	2.4
1700	-2237.5	496129	5586211	57734	18.6	4.2	-2.5	24	-2.4	-0.3
1700	-2225	496124	5586223	57734	18.6	1.4	-2.8	24	-2.4	-0.8
1700	-2212.5	496119	5586234	57734	18.6	4.9	-2.3	24	-1.3	1.9
1700	-2200	496114	5586246	57736	18.6	3.5	-1.2	24	-2.4	1.3
1700	-2187.5	496109	5586257	57736	18.6	4.8	-2.2	24	-2.2	2.5
1700	-2175	496104	5586269	57738	18.6	4.3	-3.2	24	-1.4	1
1700	-2162.5	496099	5586280	57739	18.6	3.2	-4.8	24	-2.6	1.3
1700	-2150	496094	5586292	57739	18.6	3.2	-5.1	24	-2.8	1.1
1700	-2137.5	496089	5586303	57739	18.6	2.7	-6.9	24	-2	0.5
1700	-2125	496084	5586315	57740	18.6	-1.6	-9.9	24	-1.1	2.6
1700	-2112.5	496079	5586326	57741	18.6	4.6	-9.1	24	-0.2	0.1
1700	-2100	496074	5586338	57743	18.6	8.1	-10.1	24	-3.3	-1.2
1700	-2087.5	496069	5586349	57749	18.6	8.2	-11.3	24	2.8	-0.7

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1700	-2075	496064	5586361	57749	18.6	7.3	-11.8	24	2.9	-0.5
1700	-2062.5	496059	5586372	57745	18.6	7.4	-11.6	24	3.2	-2
1700	-2050	496055	5586384	57745	18.6	6.2	-13.9	24	3.3	-1.8
1700	-2037.5	496050	5586395	57751	18.6	5.3	-10.7	24	1.2	-1
1700	-2025	496045	5586407	57752	18.6	4.4	-13.4	24	0.4	1.9
1700	-2012.5	496040	5586418	57748	18.6	4.9	-12.5	24	-1.8	1.4
1700	-2000	496035	5586430	57748	18.6	3.4	-12.2	24	-2.9	4
1700	-1987.5	496030	5586441	57741	18.6	5.9	-11.5	24	-8.6	4.9
1700	-1975	496025	5586452	57742	18.6	4.7	-11.3	24	-5.3	4.7
1700	-1962.5	496020	5586464	57753	18.6	4	-10	24	-8.1	7.8
1700	-1950	496015	5586475	57761	18.6	0.3	-8.2	24	-8.1	7.8
1700	-1937.5	496010	5586487	57755	18.6	0.4	-4.7	24	-16.7	9
1700	-1925	496005	5586498	57750	18.6	-4.9	-4.1	24	-13.8	9
1700	-1912.5	496000	5586510	57751	18.6	-8	-2.7	24	-15.9	9.8
1700	-1900	495995	5586521	57760	18.6	-10.1	0.6	24	-17	9
1700	-1887.5	495990	5586533	57764	18.6	-9.6	0.1	24	-16.7	5.9
1700	-1875	495985	5586544	57763	18.6	-5	-0.1	24	-13.3	10
1700	-1862.5	495980	5586556	57762	18.6	-4.1	-1.7	24	-6.7	10.1
1700	-1850	495975	5586567	57762	18.6	-1.1	-3.1	24	-5.7	9.1
1700	-1837.5	495970	5586579	57762	18.6	1.6	-4.8	24	-9	11
1700	-1825	495965	5586590	57762	18.6	3	-5.9	24	-2.9	9.1
1700	-1812.5	495960	5586602	57762	18.6	4.8	-5.4	24	-9.9	10.2
1700	-1800	495955	5586613	57762	18.6	2.7	-5.2	24	-6.8	8.4
1700	-1787.5	495951	5586625	57763	18.6	2.3	-4.9	24	-1.9	9.5
1700	-1775	495946	5586636	57763	18.6	2.7	-3.4	24	-1.2	8.2
1700	-1762.5	495941	5586648	57762	18.6	7	-2.4	24	-0.4	10.5
1700	-1750	495936	5586659	57761	18.6	8.4	-0.9	24	0.5	11.1
1700	-1737.5	495931	5586671	57762	18.6	2.6	1.3	24	-4.2	8.3
1700	-1725	495926	5586682	57762	18.6	2	3.1	24	-5	9
1700	-1712.5	495921	5586693	57760	18.6	0.6	5.4	24	-6.6	9.6
1700	-1700	495916	5586705	57760	18.6	0.6	8	24	-5.7	9.2
1700	-1687.5	495911	5586716	57760	18.6	-3	7.5	24	-9.7	11.3
1700	-1675	495906	5586728	57763	18.6	-4.2	6	24	-7.3	8.3
1700	-1662.5	495901	5586739	57767	18.6	-4.1	1.8	24	-6.2	7.2
1700	-1650	495896	5586751	57769	18.6	-1	-3.9	24	-3.8	5.7
1700	-1637.5	495891	5586762	57769	18.6	-0.8	-10.2	24	-4.7	4.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1700	-1625	495886	5586774	57768	18.6	-0.1	-17.6	24	-4.2	2.8
1700	-1612.5	495881	5586785	57767	18.6	2.8	-24.3	24	-2.7	2.3
1700	-1600	495876	5586797	57766	18.6	7	-30.9	24	-2.5	1.7
1700	-1587.5	495871	5586808	57764	18.6	10.3	-36.1	24	1.4	-2
1700	-1575	495866	5586820	57763	18.6	15.2	-42.5	24	2.7	-1.2
1700	-1562.5	495861	5586831	57762	18.6	21.4	-47.5	24	7.2	-0.5
1700	-1550	495856	5586843	57773	18.6	28.6	-51.9	24	12.2	0
1700	-1537.5	495851	5586854	57803	18.6	33.7	-56.2	24	13.5	3.5
1700	-1525	495846	5586866	57854	18.6	28.2	-56.9	24	7.4	4.5
1700	-1512.5	495842	5586877	57811	18.6	11.9	-46.3	24	-1.4	0.8
1700	-1500	495837	5586889	57794	18.6	-5	-34.6	24	-13.3	-2.1
1700	-1487.5	495832	5586900	57802	18.6	-14.3	-23.7	24	-23.6	-1.7
1700	-1475	495827	5586912	57808	18.6	-15.3	-17.9	24	-21.4	0.1
1700	-1462.5	495822	5586923	57814	18.6	-13.8	-12.9	24	-22.5	4
1700	-1450	495817	5586934	57831	18.6	-9.5	-9.3	24	-16.8	5.2
1700	-1437.5	495812	5586946	57852	18.6	-6	-7.1	24	-14.6	9.2
1700	-1425	495807	5586957	57871	18.6	-5.2	-5.2	24	-13.7	10.3
1700	-1412.5	495802	5586969	57881	18.6	-6.6	-1.2	24	-15.4	13.2
1700	-1400	495797	5586980	57854	18.6	-9	1.4	24	-14.9	12.9
1700	-1387.5	495792	5586992	57804	18.6	-11.2	3.5	24	-15.9	14.6
1700	-1375	495787	5587003	57780	18.6	-12	5.1	24	-13.9	14.2
1700	-1362.5	495782	5587015	57768	18.6	-9.8	3.4	24	-13	14.7
1700	-1350	495777	5587026	57762	18.6	-7.4	0.9	24	-10.1	12.5
1700	-1337.5	495772	5587038	57757	18.6	-4.4	-2.5	24	-9.3	13.1
1700	-1325	495767	5587049	57755	18.6	-0.8	-8.4	24	-8.5	12.4
1700	-1312.5	495762	5587061	57755	18.6	1.8	-15.3	24	-6.2	9.9
1700	-1300	495757	5587072	57755	18.6	5.1	-21.2	24	-4.7	7.2
1700	-1287.5	495752	5587084	57756	18.6	10.9	-29.4	24	-7.1	5.7
1700	-1275	495747	5587095	57755	18.6	14.7	-36.4	24	-1.8	-0.7
1700	-1262.5	495742	5587107	57755	18.6	18.8	-41.8	24	-2.6	-3.4
1700	-1250	495737	5587118	57754	18.6	20.9	-48.1	24	-3.5	-3.6
1700	-1237.5	495733	5587130	57753	18.6	23.6	-51.5	24	-1.9	-7.5
1700	-1225	495728	5587141	57754	18.6	25.4	-56.8	24	-3.3	-6.5
1700	-1212.5	495723	5587153	57754	18.6	31.3	-60.3	24	0.2	-10.5
1700	-1200	495718	5587164	57755	18.6	37.4	-62.3	24	2.9	-13.6
1700	-1187.5	495713	5587175	57757	18.6	44.2	-67	24	4.9	-13.8

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1700	-1175	495708	5587187	57755	18.6	54	-72.7	24	9.1	-16.4
1700	-1162.5	495703	5587198	57755	18.6	64.6	-81.7	24	14.5	-15
1700	-1150	495698	5587210	57751	18.6	77.3	-84	24	21.6	-16.1
1700	-1137.5	495693	5587221	57745	18.6	94	-91.3	24	30.7	-15.6
1700	-1125	495688	5587233	57742	18.6	111.4	-84.2	24	40.1	-15.6
1700	-1112.5	495683	5587244	57747	18.6	137.2	-123	24	51.4	-13.4
1700	-1100	495678	5587256	57755	18.6	150.8	-146.5	24	60.6	-10.4
1700	-1087.5	495673	5587267	57761	18.6	164.4	-155.6	24	72.5	-5.7
1700	-1075	495668	5587279	57768	18.6	200	-200	24	86.4	3.2
1700	-1062.5	495663	5587290	57784	18.6	200	-200	24	83.5	6.8
1700	-1050	495658	5587302	57792	18.6	200	-200	24	79.3	9.5
1700	-1037.5	495653	5587313	57784	18.6	200	-200	24	68.5	3.7
1700	-1025	495648	5587325	57784	18.6	120.6	-200	24	62.3	-1.8
1700	-1012.5	495643	5587336	57773	18.6	123.5	-144.9	24	52.4	-0.5
1700	-1000	495638	5587348	57760	18.6	142.3	-159.6	24	59.7	5.6
1700	-987.5	495633	5587359	57713	18.6	178.4	-191	24	65.2	16.6
1700	-975	495629	5587371	56962	18.6	200	-200	24	58.5	26
1700	-200	495316	5588093	57735	18.6	106.3	-167.5	24	-10.5	61.6
1700	-187.5	495312	5588105	57702	18.6	124.2	-200	24	-28.8	70.4
1700	-175	495307	5588116	57731	18.6	163.2	-200	24	-56.7	69.1
1700	-162.5	495302	5588128	57716	18.6	176.6	-200	24	-72.5	54.5
1700	-150	495297	5588139	57755	18.6	116.3	-200	24	-81.2	43.8
1700	-137.5	495292	5588151	57805	18.6	122.1	-200	24	-90.2	32.5
1700	-125	495287	5588162	58167	18.6	113.2	-200	24	-102.3	25.3
1700	-112.5	495282	5588174	57976	18.6	121	-200	24	-113.3	17.3
1700	-100	495277	5588185	57675	18.6	175.3	-200	24	-110.6	12
1700	-87.5	495272	5588196	57696	18.6	130.7	-200	24	-104.3	11.1
1700	-75	495267	5588208	57728	18.6	77.2	-165.9	24	-71.5	11
1700	-62.5	495262	5588219	57748	18.6	10.7	-184.4	24	-52.2	9.9
1700	-50	495257	5588231	57754	18.6	32.4	-90.1	24	-28.8	10.5
1700	-37.5	495252	5588242	57757	18.6	18	-75.7	24	-16.7	12.1
1700	-25	495247	5588254	57765	18.6	5.3	-76.3	24	-11.6	10.8
1700	-12.5	495242	5588265	57776	18.6	-11	-80.5	24	-10.9	9.9
1700	0	495237	5588277	57800	18.6	7.1	-61.3	24	-10.7	9.4
1700	12.5	495232	5588288	57819	18.6	-10.4	-60.9	24	-1.9	9.1
1700	25	495227	5588300	57866	18.6	-21.6	-65.4	24	-6	8.4

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1700	37.5	495222	5588311	57947	18.6	-16.9	-66.9	24	-6.9	8.2
1700	50	495217	5588323	57913	18.6	-27	-69.3	24	-9.5	5.4
1700	62.5	495212	5588334	57819	18.6	-36.5	-62.8	24	-9.1	7.6
1700	75	495207	5588346	57795	18.6	-37.8	-54.2	24	-8.6	5.3
1700	87.5	495203	5588357	57793	18.6	-17.1	-46.4	24	-6.2	2.4
1700	100	495198	5588369	57794	18.6	-24.5	-47.4	24	-7.8	-1.5
1700	112.5	495193	5588380	57786	18.6	-42.4	-28.6	24	-10.6	1.1
1700	125	495188	5588392	57782	18.6	-28.4	-35.3	24	-12	-2.6
1700	137.5	495183	5588403	57792	18.6	-41.4	-32.1	24	-16.8	-6.3
1700	150	495178	5588415	57792	18.6	-18.5	-41.6	24	-18.8	-7.8
1700	162.5	495173	5588426	57805	18.6	-16.3	-43.2	24	-21.4	-8
1700	175	495168	5588437	57793	18.6	-7.3	-47.6	24	-23	-5.9
1700	187.5	495163	5588449	57789	18.6	-4.2	-49	24	-24.8	-4.6
1700	200	495158	5588460	57793	18.6	2.2	-49.5	24	-26.6	-2.9
1700	212.5	495153	5588472	57785	18.6	7.1	-52.8	24	-30.3	-2.8
1700	225	495148	5588483	57762	18.6	17.6	-54.5	24	-36.5	-6.4
1700	237.5	495143	5588495	57761	18.6	34	-60.1	24	-43.9	-7
1700	250	495138	5588506	57773	18.6	40.7	-57.4	24	-49.3	-10
1700	262.5	495133	5588518	57786	18.6	39.5	-54.6	24	-45.6	-7.3
1700	275	495128	5588529	57785	18.6	33.6	-55	24	-44.1	-5.1
1700	287.5	495123	5588541	57785	18.6	19.6	-51.6	24	-33.1	0
1700	300	495118	5588552	57798	18.6	8.7	-49	24	-23.2	-1
1700	312.5	495113	5588564	57785	18.6	-9.9	-49.5	24	-13.8	3.7
1700	325	495108	5588575	57784	18.6	-26.5	-59.2	24	-19.7	7.7
1700	337.5	495103	5588587	57815	18.6	-9.8	-76.7	24	-40.5	6.4
1700	350	495098	5588598	57783	18.6	-11.4	-83.5	24	-56.2	0.7
1700	362.5	495094	5588610	57790	18.6	6.7	-83.2	24	-60.5	-2.2
1700	375	495089	5588621	57776	18.6	14.1	-89.1	24	-77.7	-5.6
1700	387.5	495084	5588633	57781	18.6	18.1	-100.1	24	-90.5	-12.4
1700	400	495079	5588644	57784	18.6	27.4	-94.4	24	-79.2	-11
1800	-2775	496434	5585758	57745	18.6	-41.8	73.3	24	4	-5.2
1800	-2762.5	496429	5585769	57742	18.6	-37.6	75.3	24	5.1	-4.7
1800	-2750	496424	5585781	57744	18.6	-31.4	62.8	24	6	-5.3
1800	-2737.5	496419	5585792	57740	18.6	-25	57.6	24	5.7	-8.2
1800	-2725	496414	5585804	57706	18.6	-16.8	48.5	24	5.7	-6.9
1800	-2712.5	496409	5585815	57717	18.6	-10.9	44	24	5.3	-6.4

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1800	-2700	496404	5585827	57722	18.6	-4.7	37.8	24	5	-4.7
1800	-2687.5	496399	5585838	57720	18.6	1.7	32.4	24	5.1	-4.7
1800	-2675	496394	5585849	57715	18.6	8.7	27.3	24	5.2	-4.3
1800	-2662.5	496389	5585861	57713	18.6	18.1	23.5	24	5.4	-1.2
1800	-2650	496384	5585872	57707	18.6	26.6	19.4	24	6.7	-1
1800	-2637.5	496379	5585884	57699	18.6	37.6	14.1	24	6.9	1.6
1800	-2625	496374	5585895	57691	18.6	44.6	17.4	24	6	3.2
1800	-2612.5	496369	5585907	57695	18.6	38	25.8	24	4.8	4.3
1800	-2600	496364	5585918	57715	18.6	29	41.8	24	10.1	9.5
1800	-2587.5	496359	5585930	57678	18.6	40.7	47.6	24	30.4	19.3
1800	-2575	496354	5585941	57692	18.6	30.6	89.1	24	20.2	29.7
1800	-2562.5	496349	5585953	57824	18.6	-48.5	123.1	24	11.1	23.2
1800	-2550	496344	5585964	57837	18.6	-45	110.2	24	-32.2	3
1800	-2537.5	496340	5585976	57710	18.6	-48.9	95.1	24	-38.3	3.4
1800	-2525	496335	5585987	57721	18.6	-36.2	80.8	24	-32.3	6.7
1800	-2512.5	496330	5585999	57732	18.6	-26.3	72.1	24	-24.8	9.8
1800	-2500	496325	5586010	57738	18.6	-18.1	69.4	24	-18.6	10.3
1800	-2487.5	496320	5586022	57741	18.6	-11	64.6	24	-12.4	10
1800	-2475	496315	5586033	57742	18.6	-4.3	58	24	-6.9	10.5
1800	-2462.5	496310	5586045	57741	18.6	0.2	55.2	24	-3.6	10.1
1800	-2450	496305	5586056	57741	18.6	5.7	52.3	24	-1	9.7
1800	-2437.5	496300	5586068	57739	18.6	7.4	47.2	24	0	7.3
1800	-2425	496295	5586079	57739	18.6	11.2	43.9	24	0.2	5.3
1800	-2412.5	496290	5586090	57737	18.6	10.7	38.4	24	-0.1	3.4
1800	-2400	496285	5586102	57734	18.6	13.4	32.7	24	1.3	3.2
1800	-2387.5	496280	5586113	57734	18.6	13.8	27.9	24	0	1.5
1800	-2375	496275	5586125	57733	18.6	13.8	21.4	24	1.6	0.2
1800	-2362.5	496270	5586136	57732	18.6	11.8	17.8	24	1.7	-0.5
1800	-2350	496265	5586148	57733	18.6	10.3	13.5	24	1.7	0.7
1800	-2337.5	496260	5586159	57731	18.6	9.3	10.9	24	2	1
1800	-2325	496255	5586171	57731	18.6	7.1	8.3	24	0	-1.3
1800	-2312.5	496250	5586182	57731	18.6	5.5	8	24	0.5	-2.9
1800	-2300	496245	5586194	57736	18.6	2.8	5.9	24	0.4	-3.9
1800	-2287.5	496240	5586205	57740	18.6	1.5	5.8	24	1.2	-3
1800	-2275	496235	5586217	57741	18.6	0.1	4.8	24	1.1	-2.9
1800	-2262.5	496231	5586228	57740	18.6	1.1	3.8	24	1.1	-1.7

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1800	-2250	496226	5586240	57741	18.6	0	2.9	24	2.2	-1.7
1800	-2237.5	496221	5586251	57739	18.6	-0.1	2	24	1.4	-2
1800	-2225	496216	5586263	57738	18.6	-1	1.8	24	1.2	-2
1800	-2212.5	496211	5586274	57738	18.6	-0.9	1.7	24	2.1	-2.5
1800	-2200	496206	5586286	57737	18.6	-1.6	2.5	24	0.8	-0.8
1800	-2187.5	496201	5586297	57735	18.6	-2.7	3.1	24	1.1	-1.3
1800	-2175	496196	5586309	57735	18.6	-4.8	4.3	24	0.2	-4
1800	-2162.5	496191	5586320	57736	18.6	-2.2	4.9	24	0.5	-1.7
1800	-2150	496186	5586331	57738	18.6	-3	4.9	24	-0.3	-1.3
1800	-2137.5	496181	5586343	57738	18.6	-3.1	4.7	24	-0.3	-2
1800	-2125	496176	5586354	57737	18.6	-3	3	24	-0.3	-1.1
1800	-2112.5	496171	5586366	57737	18.6	-2.8	1.3	24	0.3	-2.4
1800	-2100	496166	5586377	57737	18.6	-4.8	-1	24	1.3	-3.3
1800	-2087.5	496161	5586389	57738	18.6	-3.8	-2.2	24	1.5	-3.2
1800	-2075	496156	5586400	57738	18.6	-4.4	-3.7	24	2.2	-3.6
1800	-2062.5	496151	5586412	57740	18.6	-4.3	-5.4	24	0.9	-3.5
1800	-2050	496146	5586423	57741	18.6	-5.8	-5.5	24	2	-4.4
1800	-2037.5	496141	5586435	57739	18.6	-4.3	-6.1	24	1.4	-3.1
1800	-2025	496136	5586446	57744	18.6	-5.8	-5.6	24	1.2	-3.3
1800	-2012.5	496131	5586458	57748	18.6	-6.5	-5.1	24	1.1	-3.1
1800	-2000	496127	5586469	57757	18.6	-3.4	-4.7	24	0.8	0.8
1800	-1987.5	496122	5586481	57760	18.6	-6.7	-3.3	24	1.1	-1.6
1800	-1975	496117	5586492	57755	18.6	-6.1	-2.6	24	0.4	-2
1800	-1962.5	496112	5586504	57750	18.6	-6.4	-2.1	24	1	-0.4
1800	-1950	496107	5586515	57750	18.6	-6.8	-2.2	24	-1.4	0.5
1800	-1937.5	496102	5586527	57755	18.6	-8.9	-2.1	24	-0.9	0.7
1800	-1925	496097	5586538	57751	18.6	-8.7	-2.6	24	-2.6	1.2
1800	-1912.5	496092	5586550	57750	18.6	-8.6	-2.1	24	-3.5	2.4
1800	-1900	496087	5586561	57751	18.6	-8.5	-2.9	24	-3.8	4.3
1800	-1887.5	496082	5586573	57750	18.6	-8.9	-2.6	24	-4.2	4.1
1800	-1875	496077	5586584	57742	18.6	-9.4	-0.8	24	-3.8	4.2
1800	-1862.5	496072	5586595	57741	18.6	-9.6	-1.1	24	-3.2	4
1800	-1850	496067	5586607	57746	18.6	-8.8	0.5	24	-2.1	2.8
1800	-1837.5	496062	5586618	57748	18.6	-8.5	1.4	24	-0.8	4.2
1800	-1825	496057	5586630	57748	18.6	-7	0.9	24	-0.2	1.8
1800	-1812.5	496052	5586641	57747	18.6	-8.5	1	24	1.1	0.6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1800	-1800	496047	5586653	57747	18.6	-5.7	1.2	24	1.5	2.7
1800	-1787.5	496042	5586664	57745	18.6	-7.9	-0.2	24	1.5	1.3
1800	-1775	496037	5586676	57742	18.6	-6.1	1.3	24	2	-0.1
1800	-1762.5	496032	5586687	57741	18.6	-3.9	1.3	24	2.8	0.9
1800	-1750	496027	5586699	57740	18.6	0.9	4.1	24	3.3	1.8
1800	-1737.5	496022	5586710	57742	18.6	-2.9	-0.9	24	3	2.7
1800	-1725	496018	5586722	57741	18.6	1.4	5.2	24	2.5	3
1800	-1712.5	496013	5586733	57744	18.6	-6.4	1	24	1.3	2.8
1800	-1700	496008	5586745	57746	18.6	-6.9	2.4	24	0.3	2.7
1800	-1687.5	496003	5586756	57747	18.6	-7.8	2.1	24	0.4	4.4
1800	-1675	495998	5586768	57746	18.6	-7.8	2.8	24	-0.3	3.3
1800	-1662.5	495993	5586779	57747	18.6	-6.3	0.8	24	-0.2	3.3
1800	-1650	495988	5586791	57749	18.6	-7.4	-0.5	24	0.8	1.7
1800	-1637.5	495983	5586802	57750	18.6	-7.9	1.7	24	1.1	2.4
1800	-1625	495978	5586814	57753	18.6	-7.4	-0.6	24	1.6	0.5
1800	-1612.5	495973	5586825	57754	18.6	-6.5	-3.5	24	1.6	-0.6
1800	-1600	495968	5586836	57756	18.6	-6.8	-3.2	24	1.8	-1.1
1800	-1587.5	495963	5586848	57756	18.6	-9.2	-3.4	24	3	-2.1
1800	-1575	495958	5586859	57758	18.6	-10.4	-5.7	24	1.9	-3.2
1800	-1562.5	495953	5586871	57757	18.6	-9.8	-7.5	24	2.8	-3.8
1800	-1550	495948	5586882	57754	18.6	-8.1	-9	24	2.3	-4.8
1800	-1537.5	495943	5586894	57752	18.6	-6.2	-7.7	24	2.7	-3.1
1800	-1525	495938	5586905	57751	18.6	0.6	-4	24	1.8	-0.7
1800	-1512.5	495933	5586917	57753	18.6	-8.7	-6.3	24	0.7	0.6
1800	-1500	495928	5586928	57760	18.6	-3.1	-1.7	24	-0.8	2
1800	-1487.5	495923	5586940	57768	18.6	-5.2	-1.2	24	-3.2	5.9
1800	-1475	495918	5586951	57768	18.6	-18.3	-7.8	24	-3.2	4.2
1800	-1462.5	495914	5586963	57769	18.6	-16.3	-2.9	24	-4.5	6.5
1800	-1450	495909	5586974	57768	18.6	-22.2	-4.2	24	-3.9	5.9
1800	-1437.5	495904	5586986	57767	18.6	-19.9	-0.5	24	-5	7.8
1800	-1425	495899	5586997	57767	18.6	-20.5	-3.1	24	-4	8.9
1800	-1412.5	495894	5587009	57770	18.6	-19.2	-2.3	24	-2.6	8.4
1800	-1400	495889	5587020	57777	18.6	-21.4	-3.7	24	-4	8.1
1800	-1387.5	495884	5587032	57784	18.6	-20.5	-2.6	24	-3	8.6
1800	-1375	495879	5587043	57793	18.6	-21.3	-2.8	24	-1.9	7.8
1800	-1362.5	495874	5587055	57803	18.6	-17.1	0.8	24	-3.1	7.6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1800	-1350	495869	5587066	57812	18.6	-21.9	-3.9	24	-1.6	7.6
1800	-1337.5	495864	5587077	57818	18.6	-24.4	-4.6	24	-2.6	7.1
1800	-1325	495859	5587089	57820	18.6	-16.7	-1.2	24	-1.2	5
1800	-1312.5	495854	5587100	57816	18.6	-19.9	-5.7	24	-0.3	2.9
1800	-1300	495849	5587112	57806	18.6	-13.6	-5.1	24	1	-1.7
1800	-1287.5	495844	5587123	57793	18.6	-11.6	-9.2	24	1.8	-2.2
1800	-1275	495839	5587135	57780	18.6	-18	-11.2	24	1.7	-3.9
1800	-1262.5	495834	5587146	57770	18.6	-13.9	-12.7	24	2.8	-9.2
1800	-1250	495829	5587158	57763	18.6	-10.3	-13.2	24	3.3	-9.3
1800	-1237.5	495824	5587169	57759	18.6	-13.4	-16.7	24	3.4	-9.9
1800	-1225	495819	5587181	57759	18.6	-13.1	-15.9	24	3.2	-11.1
1800	-1212.5	495814	5587192	57759	18.6	-12.4	-17.8	24	3.8	-11.7
1800	-1200	495809	5587204	57760	18.6	-12.6	-17	24	4.6	-12.1
1800	-1187.5	495805	5587215	57762	18.6	-7.4	-20.5	24	8.1	-13.4
1800	-1175	495800	5587227	57763	18.6	-6.1	-18.3	24	11.6	-16.4
1800	-1162.5	495795	5587238	57763	18.6	1.5	-20.5	24	14.7	-16.2
1800	-1150	495790	5587250	57762	18.6	-1.1	-23	24	21.6	-16.4
1800	-1137.5	495785	5587261	57760	18.6	11.6	-21.3	24	24.9	-17.2
1800	-1125	495780	5587273	57755	18.6	2.3	-22.6	24	30.8	-15.3
1800	-1112.5	495775	5587284	57752	18.6	48.5	-16.1	24	37.7	-14.3
1800	-1100	495770	5587296	57754	18.6	15.8	-18.4	24	41.4	-11.2
1800	-1087.5	495765	5587307	57759	18.6	70.1	-1.6	24	49.4	-6.3
1800	-1075	495760	5587318	57749	18.6	-7.4	-15.4	24	52	0
1800	-1062.5	495755	5587330	57740	18.6	-11.2	-14.9	24	43.8	-4.2
1800	-1050	495750	5587341	57744	18.6	-16.5	-15.4	24	27.4	-13.9
1800	-1037.5	495745	5587353	57735	18.6	-15.9	-17.6	24	16.4	-16.8
1800	-1025	495740	5587364	57736	18.6	-25.4	-22.6	24	5	-22.3
1800	-1012.5	495735	5587376	57770	18.6	9	0.6	24	-3.4	-21.9
1800	-1000	495730	5587387	57764	18.6	-24	-17	24	-8.5	-20.1
1800	-987.5	495725	5587399	57744	18.6	-21.9	-12.6	24	-8.5	-11.3
1800	-975	495720	5587410	57746	18.6	-31.4	-14.2	24	-10	-3.7
1800	-962.5	495715	5587422	57742	18.6	11.4	28.8	24	-15.6	-3.2
1800	-950	495710	5587433	57733	18.6	-36.3	-13.4	24	-22.7	-2.9
1900	-2750	496516	5585820	57729	18.6	-59.3	80	24	-17.8	-4.7
1900	-2737.5	496511	5585832	57727	18.6	-47.8	65.5	24	-10.2	0
1900	-2725	496506	5585843	57728	18.6	-35	63.2	24	-4.2	0

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1900	-2712.5	496501	5585855	57728	18.6	-32.9	66.7	24	-2.4	0
1900	-2700	496496	5585866	57732	18.6	-29.9	64.3	24	-1.9	0.6
1900	-2687.5	496491	5585878	57732	18.6	-28.7	61.9	24	-4.4	1.4
1900	-2675	496486	5585889	57717	18.6	-25.2	58.7	24	-4.6	1.8
1900	-2662.5	496481	5585901	57705	18.6	-20.3	58.2	24	-4.9	2.5
1900	-2650	496476	5585912	57706	18.6	-17.7	56	24	-6	2.8
1900	-2637.5	496471	5585924	57700	18.6	-14.4	52	24	-9.6	4.5
1900	-2625	496466	5585935	57718	18.6	-13.9	52.5	24	-9.2	4.6
1900	-2612.5	496461	5585947	57724	18.6	-8.9	46.4	24	-9.7	5.9
1900	-2600	496456	5585958	57718	18.6	-2.1	41.9	24	-13.6	5.7
1900	-2587.5	496451	5585970	57725	18.6	4.5	37.7	24	-14.8	7.8
1900	-2575	496446	5585981	57719	18.6	8.6	36.5	24	-19.4	9.1
1900	-2562.5	496441	5585992	57719	18.6	13.1	36.8	24	-21.7	11.1
1900	-2550	496436	5586004	57721	18.6	16.5	37.2	24	-23.9	11.7
1900	-2537.5	496431	5586015	57723	18.6	18	41.1	24	-27.5	11.1
1900	-2525	496426	5586027	57726	18.6	13.4	47.6	24	-26.4	10.2
1900	-2512.5	496421	5586038	57726	18.6	9.6	53.7	24	-25.4	10.6
1900	-2500	496416	5586050	57738	18.6	5.5	57.1	24	-21.6	10
1900	-2487.5	496412	5586061	57747	18.6	5.4	56.3	24	-16.3	10.8
1900	-2475	496407	5586073	57748	18.6	6.6	55.1	24	-12.4	11
1900	-2462.5	496402	5586084	57747	18.6	9.9	52.9	24	-8.3	10.7
1900	-2450	496397	5586096	57746	18.6	11.5	50	24	-5.7	8.6
1900	-2437.5	496392	5586107	57744	18.6	12.8	47.6	24	-3.5	8.1
1900	-2425	496387	5586119	57745	18.6	13.1	46.1	24	-3	8.9
1900	-2412.5	496382	5586130	57746	18.6	12.8	42.5	24	-1.9	6.3
1900	-2400	496377	5586142	57745	18.6	12.9	37.6	24	-1.4	3.3
1900	-2387.5	496372	5586153	57736	18.6	13.8	31.8	24	-1.1	1.9
1900	-2375	496367	5586165	57730	18.6	14.8	26.7	24	-0.9	0.7
1900	-2362.5	496362	5586176	57724	18.6	14.6	21.5	24	0.8	-0.1
1900	-2350	496357	5586188	57720	18.6	15.1	16.9	24	0.5	-1
1900	-2337.5	496352	5586199	57720	18.6	15.8	15.1	24	0.9	0
1900	-2325	496347	5586211	57721	18.6	13.8	12.9	24	-1	-1.2
1900	-2312.5	496342	5586222	57724	18.6	12.4	13.1	24	-0.8	-2.1
1900	-2300	496337	5586233	57729	18.6	11.1	12.9	24	-1.9	-1.6
1900	-2287.5	496332	5586245	57727	18.6	10.2	11.9	24	-2.5	-1.8
1900	-2275	496327	5586256	57732	18.6	9.9	11.3	24	-4.1	-0.7

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1900	-2262.5	496322	5586268	57738	18.6	7	8.1	24	-1.3	-2.8
1900	-2250	496317	5586279	57735	18.6	6.3	6.2	24	-3.3	-3.5
1900	-2237.5	496312	5586291	57735	18.6	6.8	4.9	24	-3	-2
1900	-2225	496307	5586302	57736	18.6	6.6	3.5	24	-3.7	-1.3
1900	-2212.5	496303	5586314	57736	18.6	4.6	3.1	24	-2.6	-1.9
1900	-2200	496298	5586325	57733	18.6	6.2	2.6	24	-3.2	0
1900	-2187.5	496293	5586337	57729	18.6	4.6	2.7	24	-3	-1.3
1900	-2175	496288	5586348	57731	18.6	4	2.4	24	-3.6	-3.2
1900	-2162.5	496283	5586360	57733	18.6	4	2.2	24	-3	-0.8
1900	-2150	496278	5586371	57739	18.6	4	3	24	-4.8	-0.2
1900	-2137.5	496273	5586383	57741	18.6	2.6	2.7	24	-3.9	-0.8
1900	-2125	496268	5586394	57739	18.6	2.3	2.2	24	-3.5	-1
1900	-2112.5	496263	5586406	57737	18.6	2.2	2.7	24	-2.9	-1.6
1900	-2100	496258	5586417	57739	18.6	0.2	1.1	24	-2.3	-3.2
1900	-2087.5	496253	5586429	57742	18.6	0.7	0.3	24	-1.3	-3
1900	-2075	496248	5586440	57746	18.6	-0.7	-0.9	24	-1.5	-4.4
1900	-2062.5	496243	5586452	57747	18.6	-0.4	-0.2	24	-1.4	-3.8
1900	-2050	496238	5586463	57746	18.6	-1.6	-1.4	24	-0.5	-6.3
1900	-2037.5	496233	5586474	57743	18.6	-1.4	-2.1	24	0.2	-6.1
1900	-2025	496228	5586486	57738	18.6	-1.2	-1.6	24	0.4	-4.6
1900	-2012.5	496223	5586497	57737	18.6	-1.3	-3.2	24	1.2	-4.4
1900	-2000	496218	5586509	57738	18.6	-1.1	-3	24	0.5	-5.2
1900	-1987.5	496213	5586520	57740	18.6	0	-2.4	24	1.2	-4.7
1900	-1975	496208	5586532	57742	18.6	1	-2.6	24	1.3	-3.7
1900	-1962.5	496203	5586543	57744	18.6	2.7	-2.9	24	3.6	-3.5
1900	-1950	496199	5586555	57744	18.6	2.8	-0.6	24	2.3	-5.1
1900	-1937.5	496194	5586566	57745	18.6	2.2	0.2	24	1.3	-1.9
1900	-1925	496189	5586578	57750	18.6	1.5	2	24	-1.1	-2.9
1900	-1912.5	496184	5586589	57756	18.6	0.3	2.8	24	-2.7	-0.3
1900	-1900	496179	5586601	57756	18.6	0.4	4	24	-3.2	-2.7
1900	-1887.5	496174	5586612	57756	18.6	1.4	4.2	24	-3.2	-0.8
1900	-1875	496169	5586624	57752	18.6	0.5	3.3	24	-3	-2.2
1900	-1862.5	496164	5586635	57748	18.6	-0.1	3.9	24	-3.7	-3
1900	-1850	496159	5586647	57743	18.6	1.1	4.2	24	-3.3	-1.4
1900	-1837.5	496154	5586658	57739	18.6	2.2	4.1	24	-2.9	-0.3
1900	-1825	496149	5586670	57743	18.6	3.1	4.1	24	-1.8	-1

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1900	-1812.5	496144	5586681	57752	18.6	3.3	4.7	24	-2.2	-0.1
1900	-1800	496139	5586693	57749	18.6	2.2	3.1	24	-1.4	-1.7
1900	-1787.5	496134	5586704	57744	18.6	3.6	3.6	24	-1.7	-1.9
1900	-1775	496129	5586715	57745	18.6	4.5	5	24	-1.7	-1.1
1900	-1762.5	496124	5586727	57745	18.6	3.9	4.8	24	-1	-0.5
1900	-1750	496119	5586738	57746	18.6	4	4.2	24	-1.6	-2.3
1900	-1737.5	496114	5586750	57747	18.6	3.9	5.7	24	-1.3	-2.1
1900	-1725	496109	5586761	57748	18.6	5.5	6.1	24	-1.7	-2.6
1900	-1712.5	496104	5586773	57749	18.6	7.2	4.2	24	-0.5	-1.3
1900	-1700	496099	5586784	57749	18.6	6.3	4	24	-1.3	-1.9
1900	-1687.5	496094	5586796	57748	18.6	6.7	4.2	24	-0.1	-1.3
1900	-1675	496090	5586807	57747	18.6	6.7	4.3	24	-1.5	-0.9
1900	-1662.5	496085	5586819	57747	18.6	8.9	4.1	24	-0.3	-0.8
1900	-1650	496080	5586830	57746	18.6	9.2	5.2	24	0	-1.8
1900	-1637.5	496075	5586842	57745	18.6	11	5.7	24	0.4	-1.6
1900	-1625	496070	5586853	57744	18.6	10.3	6.4	24	0.5	-2.7
1900	-1612.5	496065	5586865	57742	18.6	2.9	3.4	24	1.8	-2.7
1900	-1600	496060	5586876	57741	18.6	9.6	8.5	24	0.4	-1.6
1900	-1587.5	496055	5586888	57745	18.6	9.6	7.3	24	-1.1	-2.1
1900	-1575	496050	5586899	57751	18.6	8.4	8.8	24	-1.4	-2
1900	-1562.5	496045	5586911	57756	18.6	6.3	5.6	24	-1.6	-0.9
1900	-1550	496040	5586922	57759	18.6	7.4	6.7	24	-2.1	-1.7
1900	-1537.5	496035	5586934	57760	18.6	6.1	2.7	24	-1.1	-1.5
1900	-1525	496030	5586945	57760	18.6	9.9	1.2	24	-1.3	-3.7
1900	-1512.5	496025	5586956	57759	18.6	2	-2.5	24	0.9	-0.9
1900	-1500	496020	5586968	57756	18.6	2.2	-3	24	0	-1.9
1900	-1487.5	496015	5586979	57753	18.6	12.4	3.9	24	1.2	-1.7
1900	-1475	496010	5586991	57754	18.6	1.3	-3.5	24	0.3	-3.2
1900	-1462.5	496005	5587002	57755	18.6	0.6	-2.7	24	-0.7	-3.4
1900	-1450	496000	5587014	57757	18.6	0.6	-1.5	24	0.5	-1.4
1900	-1437.5	495995	5587025	57761	18.6	10.2	5	24	0.4	-1.2
1900	-1425	495990	5587037	57761	18.6	13.3	7.5	24	1.9	-0.3
1900	-1412.5	495985	5587048	57758	18.6	14.3	8.8	24	3.1	-0.6
1900	-1400	495981	5587060	57754	18.6	13.4	9	24	4.1	0.9
1900	-1387.5	495976	5587071	57753	18.6	13.9	8.7	24	3.4	-0.6
1900	-1375	495971	5587083	57753	18.6	14.5	11	24	1.8	0.1

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1900	-1362.5	495966	5587094	57758	18.6	11.1	10.1	24	-0.4	2.2
1900	-1350	495961	5587106	57763	18.6	12.3	10.2	24	-1.4	2.2
1900	-1337.5	495956	5587117	57769	18.6	-4.1	6.2	24	-1.6	3.9
1900	-1325	495951	5587129	57776	18.6	-4.7	5.1	24	-2.9	3.1
1900	-1312.5	495946	5587140	57782	18.6	13.8	9.6	24	-4.1	2.8
1900	-1300	495941	5587152	57787	18.6	11.2	10.4	24	-3.4	2.3
1900	-1287.5	495936	5587163	57791	18.6	6.3	3.8	24	-3.7	-1
1900	-1275	495931	5587175	57795	18.6	12.6	6.3	24	-2.3	-1
1900	-1262.5	495926	5587186	57800	18.6	14.4	3.3	24	-2.2	-2.2
1900	-1250	495921	5587198	57804	18.6	16.8	2.5	24	-1.9	-6.1
1900	-1237.5	495916	5587209	57810	18.6	4.2	-13	24	-0.3	-8.3
1900	-1225	495911	5587220	57817	18.6	7.3	-15	24	1.2	-10
1900	-1212.5	495906	5587232	57831	18.6	19	-5.3	24	2	-10.3
1900	-1200	495901	5587243	57849	18.6	23.9	-3	24	5.4	-11.7
1900	-1187.5	495896	5587255	57867	18.6	26.2	-1.7	24	6.6	-12.7
1900	-1175	495891	5587266	57862	18.6	28.8	-0.3	24	8.3	-11.2
1900	-1162.5	495886	5587278	57824	18.6	28.8	-1.7	24	8.2	-11.5
1900	-1150	495881	5587289	57791	18.6	29.3	-4.5	24	8.6	-10.2
1900	-1137.5	495877	5587301	57762	18.6	34.7	3.5	24	7.6	-11.4
1900	-1125	495872	5587312	57751	18.6	34.3	3.1	24	6	-9.4
1900	-1112.5	495867	5587324	57744	18.6	30.4	0.5	24	3.2	-8.4
1900	-1100	495862	5587335	57742	18.6	23.6	-10.4	24	1.9	-9.3
1900	-1087.5	495857	5587347	57742	18.6	34.9	8	24	-1	-9.1
1900	-1075	495852	5587358	57739	18.6	33.5	4	24	-3.8	-6.5
1900	-1062.5	495847	5587370	57736	18.6	36.4	11.8	24	-6.6	-4.8
1900	-1050	495842	5587381	57734	18.6	34.1	14.5	24	-8.4	-2.1
1900	-1037.5	495837	5587393	57729	18.6	34.7	13.9	24	-9.5	-2.5
1900	-1025	495832	5587404	57731	18.6	36.2	19.2	24	-13	-1.9
1900	-1012.5	495827	5587416	57733	18.6	33	16.8	24	-14.6	0
1900	-1000	495822	5587427	57729	18.6	31.6	19.5	24	-10.9	5.7
1900	-987.5	495817	5587439	57743	18.6	26.8	17.1	24	-15	8.8
1900	-975	495812	5587450	57757	18.6	31.8	16.6	24	-21.9	5.7
1900	-962.5	495807	5587461	57761	18.6	24.4	16.6	24	-25.9	5.7
1900	-950	495802	5587473	57750	18.6	30.6	19.9	24	-29.4	6.4
1900	-937.5	495797	5587484	57762	18.6	20.2	17.2	24	-36.4	4.4
1900	-925	495792	5587496	57765	18.6	21.2	16.9	24	-41.6	3.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
1900	-912.5	495787	5587507	57765	18.6	18.6	21.3	24	-41.5	6.4
1900	-900	495782	5587519	57753	18.6	18.5	22.9	24	-41.3	5.1
1900	-887.5	495777	5587530	57772	18.6	14.4	21.5	24	-38.2	7
1900	-875	495772	5587542	57791	18.6	-4.8	19.8	24	-37.9	7.5
2000	-2712.5	496592	5585894	57727	18.6	-25.4	59.7	24	0.6	1.6
2000	-2700	496588	5585906	57735	18.6	-21.1	60	24	1.7	1.2
2000	-2687.5	496583	5585917	57719	18.6	-18.5	59.4	24	2.8	0.4
2000	-2675	496578	5585929	57709	18.6	-19.4	62.3	24	5.1	0.2
2000	-2662.5	496573	5585940	57711	18.6	-21	62.4	24	3.7	0.3
2000	-2650	496568	5585952	57721	18.6	-20.3	62.4	24	3.8	0.8
2000	-2637.5	496563	5585963	57729	18.6	-19.5	63.3	24	5.5	0.2
2000	-2625	496558	5585975	57731	18.6	-20	63.3	24	5.1	1.3
2000	-2612.5	496553	5585986	57729	18.6	-20.4	64.5	24	5.1	0.6
2000	-2600	496548	5585998	57737	18.6	-19.7	63.3	24	5.1	2.1
2000	-2587.5	496543	5586009	57734	18.6	-16.4	60.8	24	3.3	2.2
2000	-2575	496538	5586021	57730	18.6	-14.7	60.7	24	3.5	1.5
2000	-2562.5	496533	5586032	57727	18.6	-11.7	59.4	24	2.6	1.9
2000	-2550	496528	5586044	57730	18.6	-10.3	58.6	24	2.8	2.8
2000	-2537.5	496523	5586055	57729	18.6	-8.1	56.9	24	1.9	2.3
2000	-2525	496518	5586067	57729	18.6	-5	54.3	24	3.1	3.2
2000	-2512.5	496513	5586078	57735	18.6	-1.7	53.3	24	3	2.8
2000	-2500	496508	5586090	57743	18.6	2	51	24	4.5	2.3
2000	-2487.5	496503	5586101	57738	18.6	5.6	51	24	5.1	2.7
2000	-2475	496498	5586113	57723	18.6	11.4	49.6	24	6.3	4.7
2000	-2462.5	496493	5586124	57701	18.6	13.9	54.2	24	4.8	6.9
2000	-2450	496488	5586135	57700	18.6	10.9	63.1	24	-1	6.5
2000	-2437.5	496483	5586147	57732	18.6	2.1	73	24	-8.2	6.7
2000	-2425	496479	5586158	57763	18.6	-6.7	72.8	24	-11.6	7.9
2000	-2412.5	496474	5586170	57786	18.6	-7.2	68.9	24	-11.2	7.5
2000	-2400	496469	5586181	57786	18.6	-3.9	60.6	24	-9.1	6.6
2000	-2387.5	496464	5586193	57761	18.6	2.4	50.2	24	-6	4.6
2000	-2375	496459	5586204	57756	18.6	7.5	40.4	24	-3.1	2.9
2000	-2362.5	496454	5586216	57746	18.6	11	30.6	24	-2.2	0
2000	-2350	496449	5586227	57726	18.6	15.1	21	24	-0.2	-1.6
2000	-2337.5	496444	5586239	57724	18.6	19	10.4	24	2.5	-1.9
2000	-2325	496439	5586250	57717	18.6	15.6	4.7	24	3.1	-6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2000	-2312.5	496434	5586262	57718	18.6	15.4	1.9	24	2.8	-5.8
2000	-2300	496429	5586273	57721	18.6	14.3	2.1	24	3.1	-5.7
2000	-2287.5	496424	5586285	57733	18.6	11.8	4	24	3	-5.3
2000	-2275	496419	5586296	57739	18.6	9.7	7.3	24	1.2	-5.3
2000	-2262.5	496414	5586308	57742	18.6	7.6	10.4	24	-0.2	-4.4
2000	-2250	496409	5586319	57747	18.6	7.2	10.9	24	0.2	-3.6
2000	-2237.5	496404	5586331	57754	18.6	7.5	11.2	24	0.2	-3.4
2000	-2225	496399	5586342	57757	18.6	6.9	11	24	0.8	-4
2000	-2212.5	496394	5586354	57751	18.6	6.2	11.1	24	-0.3	-5.2
2000	-2200	496389	5586365	57735	18.6	6.5	11.4	24	-0.8	-3.8
2000	-2187.5	496384	5586376	57734	18.6	7.2	13.4	24	-2.5	-2.9
2000	-2175	496379	5586388	57741	18.6	4.4	15	24	-2.5	-4.3
2000	-2162.5	496375	5586399	57752	18.6	6	16	24	-5.1	-2.3
2000	-2150	496370	5586411	57745	18.6	6	15.6	24	-3.7	-0.6
2000	-2137.5	496365	5586422	57733	18.6	6.7	14.6	24	-4.3	-0.7
2000	-2125	496360	5586434	57738	18.6	5.6	12.1	24	-3.3	-2.7
2000	-2112.5	496355	5586445	57740	18.6	6.8	8.5	24	-3.1	-2.8
2000	-2100	496350	5586457	57746	18.6	5.6	7	24	-2.6	-3.8
2000	-2087.5	496345	5586468	57744	18.6	5.3	5.3	24	-1.8	-4.1
2000	-2075	496340	5586480	57740	18.6	4.3	3.1	24	-1.7	-4.2
2000	-2062.5	496335	5586491	57741	18.6	3.3	3.5	24	-1.1	-3.8
2000	-2050	496330	5586503	57740	18.6	2.1	2	24	-1.9	-5.3
2000	-2037.5	496325	5586514	57738	18.6	1.2	3.1	24	-1.6	-5.9
2000	-2025	496320	5586526	57739	18.6	2.1	2.1	24	-2.5	-6
2000	-2012.5	496315	5586537	57735	18.6	0.2	1.9	24	-2.3	-7.6
2000	-2000	496310	5586549	57731	18.6	0.4	0.3	24	-3.3	-6.1
2000	-1987.5	496305	5586560	57732	18.6	2	-0.2	24	-2.3	-3.2
2000	-1975	496300	5586572	57735	18.6	3.5	-1.5	24	-2.2	-1.8
2000	-1962.5	496295	5586583	57736	18.6	0.1	-3.7	24	-2.5	-4.7
2000	-1950	496290	5586595	57733	18.6	1.4	-3.5	24	-2.7	-3.8
2000	-1937.5	496285	5586606	57733	18.6	1.2	-5.2	24	-3.5	-4.1
2000	-1925	496280	5586617	57735	18.6	1.2	-6.1	24	-3.7	-5.1
2000	-1912.5	496275	5586629	57741	18.6	2.2	-5.9	24	-3.2	-4.6
2000	-1900	496270	5586640	57744	18.6	3.2	-6.3	24	-2	-3.7
2000	-1887.5	496266	5586652	57743	18.6	2	-4.1	24	-1.2	-5.5
2000	-1875	496261	5586663	57746	18.6	5.4	-3.2	24	-0.4	-4

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2000	-1862.5	496256	5586675	57746	18.6	3.5	0.2	24	1.1	-5.4
2000	-1850	496251	5586686	57745	18.6	3.4	1	24	1.8	-7.1
2000	-1837.5	496246	5586698	57744	18.6	5.1	2.9	24	1.6	-5.3
2000	-1825	496241	5586709	57743	18.6	5.4	3.5	24	3.2	-5.3
2000	-1812.5	496236	5586721	57741	18.6	5.6	3.4	24	3.9	-5.5
2000	-1800	496231	5586732	57739	18.6	6.7	4.8	24	3.7	-5.7
2000	-1787.5	496226	5586744	57739	18.6	7.2	5.7	24	2.9	-4.6
2000	-1775	496221	5586755	57739	18.6	7.6	7	24	4.2	-6.3
2000	-1762.5	496216	5586767	57745	18.6	6.6	7.2	24	2.7	-5.6
2000	-1750	496211	5586778	57751	18.6	6.3	7	24	1.6	-4
2000	-1737.5	496206	5586790	57753	18.6	6.9	6.1	24	0.4	-2.1
2000	-1725	496201	5586801	57753	18.6	6.7	6.5	24	-2	0.1
2000	-1712.5	496196	5586813	57752	18.6	5.9	4.6	24	-3.1	-1.8
2000	-1700	496191	5586824	57751	18.6	5.8	4	24	-3.2	-1.3
2000	-1687.5	496186	5586836	57750	18.6	5.5	3.4	24	-2.9	0.2
2000	-1675	496181	5586847	57752	18.6	3.8	5.8	24	-2.8	-3
2000	-1662.5	496176	5586858	57751	18.6	4.7	3.6	24	-2.7	-1.8
2000	-1650	496171	5586870	57746	18.6	5	2.8	24	-1.5	-1
2000	-1637.5	496166	5586881	57744	18.6	8.8	1.4	24	0.3	0
2000	-1625	496162	5586893	57742	18.6	7.6	2.1	24	0.7	-2.1
2000	-1612.5	496157	5586904	57741	18.6	6.5	1.8	24	1.3	-1
2000	-1600	496152	5586916	57739	18.6	7.1	0.7	24	2.3	-0.2
2000	-1587.5	496147	5586927	57742	18.6	6.4	2.6	24	0.2	1.3
2000	-1575	496142	5586939	57745	18.6	6.1	3.1	24	-0.8	0.1
2000	-1562.5	496137	5586950	57751	18.6	5.1	3.7	24	-3.2	-0.2
2000	-1550	496132	5586962	57756	18.6	4.3	4.7	24	-3.1	0.2
2000	-1537.5	496127	5586973	57759	18.6	4.6	6	24	-3.3	1.9
2000	-1525	496122	5586985	57760	18.6	3.6	5.4	24	-1.8	2
2000	-1512.5	496117	5586996	57758	18.6	6.2	7.3	24	-2.2	1.4
2000	-1500	496112	5587008	57755	18.6	4.6	6	24	-2.3	0.3
2000	-1487.5	496107	5587019	57752	18.6	4.4	6	24	-1.7	1.8
2000	-1475	496102	5587031	57752	18.6	5.5	7.9	24	-1.9	2.6
2000	-1462.5	496097	5587042	57753	18.6	5.1	6	24	-2.7	1.1
2000	-1450	496092	5587054	57756	18.6	3.1	4.4	24	-2.1	3.8
2000	-1437.5	496087	5587065	57759	18.6	4	3.7	24	-2.5	1.7
2000	-1425	496082	5587077	57762	18.6	6.5	6	24	-1.9	3.2

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2000	-1412.5	496077	5587088	57762	18.6	7.8	5.4	24	-2.8	2.6
2000	-1400	496072	5587099	57761	18.6	9.2	4.9	24	-3.6	4.4
2000	-1387.5	496067	5587111	57762	18.6	-6.4	-4.6	24	5	-5.8
2000	-1375	496062	5587122	57758	18.6	-6.2	-4.2	24	6.6	-7.8
2000	-1362.5	496057	5587134	57756	18.6	-5.7	-5.2	24	8.7	-7.1
2000	-1350	496053	5587145	57758	18.6	-0.9	-4.3	24	9.5	-7
2000	-1337.5	496048	5587157	57765	18.6	-0.1	-6	24	9.4	-8.1
2000	-1325	496043	5587168	57771	18.6	-0.9	-3.4	24	9.4	-6
2000	-1312.5	496038	5587180	57774	18.6	1.5	-3.5	24	6.9	-3.5
2000	-1300	496033	5587191	57776	18.6	0.4	-2	24	4.7	-4.4
2000	-1287.5	496028	5587203	57777	18.6	0.5	-0.6	24	2.6	-1.4
2000	-1275	496023	5587214	57777	18.6	0.5	-0.6	24	2.3	0.2
2000	-1262.5	496018	5587226	57780	18.6	-2.3	2.2	24	0.8	0.9
2000	-1250	496013	5587237	57783	18.6	-1	4.8	24	1.1	3.8
2000	-1237.5	496008	5587249	57784	18.6	-2.5	5.4	24	0.7	2.2
2000	-1225	496003	5587260	57785	18.6	-2.5	5.6	24	1.6	3.6
2000	-1212.5	495998	5587272	57787	18.6	-3.2	5.9	24	1.5	1.5
2000	-1200	495993	5587283	57787	18.6	-5.3	7.7	24	1.9	0.9
2000	-1187.5	495988	5587295	57788	18.6	-4.2	7.3	24	2.3	1.2
2000	-1175	495983	5587306	57791	18.6	-4.5	8	24	3.2	1.3
2000	-1162.5	495978	5587318	57797	18.6	-4.8	8.7	24	3.5	-0.7
2000	-1150	495973	5587329	57807	18.6	-5.9	9.5	24	3.5	-1.7
2000	-1137.5	495968	5587340	57822	18.6	-5.2	8.1	24	3.5	-0.5
2000	-1125	495963	5587352	57838	18.6	-7.8	8.8	24	4	-4.2
2000	-1112.5	495958	5587363	57861	18.6	-5.5	7.4	24	5	-3.9
2000	-1100	495953	5587375	57871	18.6	-5.8	6.7	24	5.5	-6.3
2000	-1087.5	495948	5587386	57879	18.6	-6.1	7.1	24	6	-5.6
2000	-1075	495944	5587398	57874	18.6	-4.5	5.8	24	5.7	-6.8
2000	-1062.5	495939	5587409	57853	18.6	-2.2	5.2	24	6.2	-6.8
2000	-1050	495934	5587421	57831	18.6	-1.3	5.6	24	7	-7.8
2000	-1037.5	495929	5587432	57811	18.6	-2	5.9	24	7.7	-11.2
2000	-1025	495924	5587444	57799	18.6	-2	6	24	8.5	-11.2
2000	-1012.5	495919	5587455	57789	18.6	-0.6	4.2	24	10	-10.6
2000	-1000	495914	5587467	57790	18.6	-1	3.3	24	12.5	-11.6
2000	-987.5	495909	5587478	57789	18.6	-1.1	1.9	24	15.4	-14.5
2000	-975	495904	5587490	57787	18.6	-0.1	2.3	24	18	-15.5

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2000	-962.5	495899	5587501	57784	18.6	3.7	1.7	24	20.2	-14.2
2000	-950	495894	5587513	57783	18.6	4.8	1.4	24	21	-14.1
2000	-937.5	495889	5587524	57784	18.6	8.2	1.8	24	22.8	-12.1
2000	-925	495884	5587536	57793	18.6	9.2	3.7	24	23.1	-12.8
2000	-912.5	495879	5587547	57802	18.6	11.5	4.1	24	22.7	-10.6
2000	-900	495874	5587559	57801	18.6	12.2	6.9	24	18.6	-10.3
2000	-887.5	495869	5587570	57805	18.6	11.9	10.5	24	16.1	-9.8
2000	-875	495864	5587582	57804	18.6	15.1	15.3	24	13.8	-5.9
2000	-862.5	495859	5587593	57809	18.6	12.1	17.8	24	11.2	-6.9
2000	-850	495854	5587604	57809	18.6	10	21.7	24	8.1	-6.7
2000	-837.5	495849	5587616	57799	18.6	12.8	25.3	24	5.6	-2.2
2000	-825	495844	5587627	57792	18.6	10.1	27.1	24	3	-5.5
2000	-812.5	495840	5587639	57795	18.6	8.2	30.1	24	1	-2.7
2000	-800	495835	5587650	57800	18.6	8.8	32.8	24	-0.6	-1.5
2000	-787.5	495830	5587662	57799	18.6	7.2	35.4	24	-1.8	-2.4
2000	-775	495825	5587673	57783	18.6	7.7	36.4	24	-3.3	-1.9
2000	-762.5	495820	5587685	57705	18.6	10.5	35.9	24	-1.2	-1.4
2100	-2300	496521	5586313	57733	18.6	12.7	19.4	24	5.3	-1.1
2100	-2287.5	496516	5586324	57731	18.6	13.6	12.2	24	5.7	-5.3
2100	-2275	496511	5586336	57732	18.6	15.2	7	24	7.6	-4
2100	-2262.5	496506	5586347	57727	18.6	14.3	2.1	24	7.4	-4
2100	-2250	496501	5586359	57747	18.6	12.8	0.4	24	8.8	-5.5
2100	-2237.5	496496	5586370	57734	18.6	11.4	2.1	24	7	-6.6
2100	-2225	496491	5586382	57727	18.6	9.9	4	24	6.2	-4.6
2100	-2212.5	496486	5586393	57737	18.6	6.1	6.1	24	5.5	-6.2
2100	-2200	496481	5586405	57744	18.6	6	8.9	24	2	-3.9
2100	-2187.5	496476	5586416	57744	18.6	5.2	12.8	24	1.3	-4
2100	-2175	496471	5586428	57761	18.6	5.4	13.3	24	-1.3	-4.1
2100	-2162.5	496466	5586439	57756	18.6	6.9	14.9	24	-1.8	-1
2100	-2150	496461	5586451	57741	18.6	5.4	14.2	24	-1	-3.6
2100	-2137.5	496456	5586462	57754	18.6	7.3	13.1	24	-1	-3.2
2100	-2125	496451	5586474	57755	18.6	6.8	11.2	24	0.2	-4
2100	-2112.5	496446	5586485	57749	18.6	5.3	9.3	24	2.2	-7.3
2100	-2100	496442	5586497	57749	18.6	4.6	7	24	4.7	-8.8
2100	-2087.5	496437	5586508	57743	18.6	4.4	5.5	24	5.3	-8
2100	-2075	496432	5586519	57744	18.6	5	6.1	24	4.8	-8.8

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2100	-2062.5	496427	5586531	57743	18.6	3.8	6.6	24	3.8	-9.1
2100	-2050	496422	5586542	57747	18.6	4.1	5.8	24	3.7	-9
2100	-2037.5	496417	5586554	57746	18.6	4.6	5.9	24	4.8	-8.5
2100	-2025	496412	5586565	57732	18.6	4.4	7.4	24	5.3	-9
2100	-2012.5	496407	5586577	57733	18.6	3.4	8.2	24	4.7	-9.9
2100	-2000	496402	5586588	57735	18.6	4.5	8.6	24	5.2	-8.2
2100	-1987.5	496397	5586600	57737	18.6	4.2	8.8	24	5.4	-6.2
2100	-1975	496392	5586611	57738	18.6	3.1	9.7	24	5.5	-8.1
2100	-1962.5	496387	5586623	57737	18.6	3.1	9.5	24	5.4	-8.5
2100	-1950	496382	5586634	57740	18.6	3.8	7.8	24	3.9	-8.1
2100	-1937.5	496377	5586646	57743	18.6	2.8	8.1	24	5.5	-7.3
2100	-1925	496372	5586657	57744	18.6	1.3	5.7	24	4.4	-9.1
2100	-1912.5	496367	5586669	57745	18.6	2.3	4	24	5.6	-8.8
2100	-1900	496362	5586680	57744	18.6	4.8	2.9	24	7.1	-8.2
2100	-1887.5	496357	5586692	57744	18.6	5.5	1	24	10	-7.8
2100	-1875	496352	5586703	57744	18.6	7.5	-2.7	24	12.8	-9.5
2100	-1862.5	496347	5586715	57743	18.6	9.3	-2.9	24	16.5	-8.8
2100	-1850	496342	5586726	57741	18.6	10.1	-2.3	24	20.6	-8.9
2100	-1837.5	496338	5586738	57736	18.6	12.4	-2.4	24	22.2	-6.6
2100	-1825	496333	5586749	57725	18.6	16.2	-2.2	24	26.6	-3.4
2100	-1812.5	496328	5586760	57717	18.6	12.3	1	24	23.6	-3.8
2100	-1800	496323	5586772	57717	18.6	12.1	4.6	24	22.3	-2.3
2100	-1787.5	496318	5586783	57731	18.6	6.8	6.8	24	19.2	-3.4
2100	-1775	496313	5586795	57740	18.6	4	8.7	24	17.8	-1.7
2100	-1762.5	496308	5586806	57747	18.6	1	8.9	24	10.3	-1.9
2100	-1750	496303	5586818	57764	18.6	-8.3	8.4	24	-3.4	-5.4
2100	-1737.5	496298	5586829	57759	18.6	-12.6	9.1	24	-8.1	-4.7
2100	-1725	496293	5586841	57759	18.6	-11.1	7.5	24	-9.9	-2.3
2100	-1712.5	496288	5586852	57760	18.6	-10.5	10.9	24	-8.9	-2
2100	-1700	496283	5586864	57762	18.6	-9.1	8.3	24	-6.8	0.1
2100	-1687.5	496278	5586875	57760	18.6	-5.1	8.5	24	-4.4	3
2100	-1675	496273	5586887	57759	18.6	-4.6	10.8	24	-3.2	2.6
2100	-1662.5	496268	5586898	57756	18.6	-3.2	8.8	24	-1.8	4.6
2100	-1650	496263	5586910	57752	18.6	-2.9	9.2	24	-0.6	4.8
2100	-1637.5	496258	5586921	57751	18.6	-2.7	7.9	24	0.5	5.1
2100	-1625	496253	5586933	57754	18.6	-3	6	24	0.2	4.8

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2100	-1612.5	496248	5586944	57756	18.6	-2.3	5.6	24	0.5	3.1
2100	-1600	496243	5586956	57760	18.6	-3.4	4.7	24	0.2	2.4
2100	-1587.5	496238	5586967	57763	18.6	-4.1	3	24	0.8	3.3
2100	-1575	496233	5586979	57764	18.6	-2.2	2.5	24	1.7	4.8
2100	-1562.5	496229	5586990	57765	18.6	-4.6	1.1	24	1.1	3.6
2100	-1550	496224	5587001	57767	18.6	-3.9	1.7	24	0.3	2.7
2100	-1537.5	496219	5587013	57768	18.6	-3	-1.1	24	0	3
2100	-1525	496214	5587024	57768	18.6	-5.5	-1.3	24	0.8	3.4
2100	-1512.5	496209	5587036	57770	18.6	-5.5	-0.3	24	0.2	3.1
2100	-1500	496204	5587047	57773	18.6	-6.6	-1.9	24	0.5	2.7
2100	-1487.5	496199	5587059	57770	18.6	-7.4	-2.4	24	0.8	1.5
2100	-1475	496194	5587070	57765	18.6	-8.7	-2.7	24	0.3	1.5
2100	-1462.5	496189	5587082	57764	18.6	-8	-2.8	24	0.2	0.8
2100	-1450	496184	5587093	57763	18.6	-9.1	-3.5	24	1.3	-0.6
2100	-1437.5	496179	5587105	57763	18.6	-7.4	-0.4	24	1.5	-0.1
2100	-1425	496174	5587116	57759	18.6	-6.2	-0.5	24	2.4	-2.9
2100	-1412.5	496169	5587128	57758	18.6	-6.6	-3.9	24	3.2	-1
2100	-1400	496159	5587151	57744	18.6	0.6	-2.2	24	5.9	-4.1
2100	-1400	496164	5587139	57756	18.6	-4.6	-2.9	24	5.5	-3.7
2100	-1387.5	496154	5587162	57756	18.6	-0.9	-1.6	24	6.7	-7.4
2100	-1375	496149	5587174	57756	18.6	0.8	-2.8	24	8.4	-6.9
2100	-1362.5	496144	5587185	57757	18.6	2	-2.4	24	8	-6.3
2100	-1350	496139	5587197	57759	18.6	1.4	-2.8	24	8.5	-6.5
2100	-1337.5	496134	5587208	57759	18.6	1.2	-3.6	24	7.9	-6.8
2100	-1325	496129	5587220	57760	18.6	2.2	-3.5	24	8.7	-6.4
2100	-1312.5	496125	5587231	57760	18.6	1.3	-3.3	24	7.8	-6
2100	-1300	496120	5587242	57761	18.6	2	-1.7	24	7.3	-5.6
2100	-1287.5	496115	5587254	57760	18.6	1.1	-1.5	24	5.4	-4.2
2100	-1275	496110	5587265	57760	18.6	-1.4	-1.3	24	2.9	-4.6
2100	-1262.5	496105	5587277	57758	18.6	-3.5	1	24	0	-3.9
2100	-1250	496100	5587288	57760	18.6	-4.9	-0.5	24	-1.4	-1.5
2100	-1237.5	496095	5587300	57766	18.6	-5.8	0.4	24	-1.6	-0.5
2100	-1225	496090	5587311	57776	18.6	-5.5	1.6	24	-0.8	-2.4
2100	-1212.5	496085	5587323	57782	18.6	-3.2	2.1	24	0	-1.3
2100	-1200	496080	5587334	57789	18.6	-3	1.1	24	1.8	-1
2100	-1187.5	496075	5587346	57794	18.6	-2.2	0.3	24	2.3	-1.2

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2100	-1175	496070	5587357	57797	18.6	-1	0.9	24	2.5	-0.7
2100	-1162.5	496065	5587369	57797	18.6	-3	-1.4	24	2.3	-2.5
2100	-1150	496060	5587380	57798	18.6	-1.6	0.1	24	1.9	-0.7
2100	-1137.5	496055	5587392	57800	18.6	-0.9	-0.7	24	2.6	-1.6
2100	-1125	496050	5587403	57803	18.6	-2.5	-1.3	24	1.5	-2
2100	-1112.5	496045	5587415	57806	18.6	-4.6	-0.3	24	1.6	-2.2
2100	-1100	496040	5587426	57811	18.6	-4.4	-1.2	24	0	-2.3
2100	-1087.5	496035	5587438	57817	18.6	-5.4	-0.3	24	1.3	-2.2
2100	-1075	496030	5587449	57823	18.6	-6.8	-0.9	24	1.3	-1.7
2100	-1062.5	496025	5587461	57830	18.6	-7	-1.1	24	0	-3.7
2100	-1050	496020	5587472	57835	18.6	-6.1	-1.1	24	1	-0.5
2100	-1037.5	496016	5587483	57837	18.6	-6.2	-3.2	24	1.1	-0.2
2100	-1025	496011	5587495	57837	18.6	-8.6	-1.2	24	0.3	-1.4
2100	-1012.5	496006	5587506	57837	18.6	-7.4	-1.7	24	0.5	-1
2100	-1000	496001	5587518	57835	18.6	-10.2	-1.6	24	0	-1.9
2100	-987.5	495996	5587529	57833	18.6	-10.2	-2.5	24	0.6	-0.5
2100	-975	495991	5587541	57831	18.6	-10.5	-2.6	24	-0.4	-0.4
2100	-962.5	495986	5587552	57824	18.6	-10.8	-2.9	24	-0.2	0.4
2100	-950	495981	5587564	57816	18.6	-12.5	-4.2	24	-0.3	0.8
2100	-937.5	495976	5587575	57812	18.6	-11.6	-4.9	24	-0.5	1.2
2100	-925	495971	5587587	57805	18.6	-12.7	-5.3	24	-0.7	2.4
2100	-912.5	495966	5587598	57803	18.6	-14.3	-6.1	24	-1.6	1.1
2100	-900	495961	5587610	57804	18.6	-14.6	-7.8	24	-1.7	1.8
2100	-887.5	495956	5587621	57800	18.6	-14.8	-10.1	24	-1.9	0.5
2100	-875	495951	5587633	57797	18.6	-14.3	-12.2	24	-1.2	1.6
2100	-862.5	495946	5587644	57798	18.6	-16	-14.3	24	-1.9	-0.7
2100	-850	495941	5587656	57795	18.6	-15.5	-18.1	24	-1	-0.4
2100	-837.5	495936	5587667	57794	18.6	-14.9	-21.2	24	-0.5	-1.1
2100	-825	495931	5587679	57795	18.6	-15.3	-24.2	24	-0.7	-3.9
2100	-812.5	495926	5587690	57797	18.6	-14.9	-26.9	24	0.3	-3.1
2100	-800	495921	5587702	57799	18.6	-13.6	-27.2	24	-0.1	-4
2100	-787.5	495916	5587713	57802	18.6	-13	-29.5	24	0.2	-3.5
2100	-775	495911	5587724	57797	18.6	-10.7	-31.5	24	1.3	-4.4
2100	-762.5	495907	5587736	57793	18.6	-8.1	-34	24	4.6	-5.2
2100	-750	495902	5587747	57788	18.6	-4.4	-37.4	24	8	-6.4
2100	-737.5	495897	5587759	57784	18.6	0.4	-42.3	24	12.8	-6.2

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2100	-725	495892	5587770	57781	18.6	7.4	-46	24	17.6	-5.3
2100	-712.5	495887	5587782	57782	18.6	15.2	-51.3	24	23.4	-4.2
2100	-700	495882	5587793	57783	18.6	22.2	-57.6	24	30.6	-1.8
2100	-687.5	495877	5587805	57775	18.6	23.3	-62.1	24	33.2	-0.3
2100	-675	495872	5587816	57765	18.6	20	-63.3	24	31.5	1.3
2100	-662.5	495867	5587828	57761	18.6	14	-63.6	24	27.8	3.9
2100	-650	495862	5587839	57781	18.6	-1.4	-58.8	24	21.2	1.4
2100	-637.5	495857	5587851	57817	18.6	-18.1	-52.5	24	14.1	-2.6
2100	-625	495852	5587862	57778	18.6	-31.3	-41.9	24	4.2	-6.6
2100	-612.5	495847	5587874	57764	18.6	-38.3	-30.6	24	-3.9	-8.5
2200	-2225	496583	5586421	57737	18.6	9.6	0.4	24	6.7	-9.1
2200	-2212.5	496578	5586433	57737	18.6	11.9	0.2	24	6	-6.4
2200	-2200	496573	5586444	57739	18.6	10.1	1.4	24	4.4	-9.1
2200	-2187.5	496568	5586456	57734	18.6	10.3	4	24	2.2	-8.3
2200	-2175	496563	5586467	57731	18.6	7	6.6	24	2.4	-8.8
2200	-2162.5	496558	5586479	57731	18.6	2.7	9.3	24	2.5	-9.8
2200	-2150	496553	5586490	57737	18.6	3.4	11.8	24	2.4	-8.5
2200	-2137.5	496548	5586502	57746	18.6	2	11.9	24	2.7	-8.9
2200	-2125	496543	5586513	57757	18.6	1.1	11.6	24	3.2	-11.8
2200	-2112.5	496538	5586525	57763	18.6	3.5	10	24	5.5	-10.9
2200	-2100	496533	5586536	57753	18.6	4.2	9	24	7.3	-12
2200	-2087.5	496528	5586548	57745	18.6	2.9	8.7	24	9.3	-13.7
2200	-2075	496523	5586559	57744	18.6	2.8	7.3	24	11.3	-13.5
2200	-2062.5	496518	5586571	57744	18.6	3	7.6	24	14.2	-13.4
2200	-2050	496514	5586582	57741	18.6	4.3	8.9	24	18	-12.2
2200	-2037.5	496509	5586594	57739	18.6	2.4	9.1	24	22.4	-11.5
2200	-2025	496504	5586605	57729	18.6	3.7	11.8	24	25.7	-9.5
2200	-2012.5	496499	5586617	57730	18.6	1	14.4	24	28.3	-10.5
2200	-2000	496494	5586628	57746	18.6	2.1	13.9	24	27.9	-9
2200	-1987.5	496489	5586639	57734	18.6	-0.4	16.9	24	32.2	-9.4
2200	-1975	496484	5586651	57732	18.6	-0.7	20.8	24	34.2	-7.5
2200	-1962.5	496479	5586662	57740	18.6	-2.7	23	24	34.5	-5.6
2200	-1950	496474	5586674	57739	18.6	-3.4	25.1	24	34	-4.1
2200	-1937.5	496469	5586685	57723	18.6	-5.2	28.2	24	34.6	-0.5
2200	-1925	496464	5586697	57729	18.6	-9.7	30.2	24	31.8	0.9
2200	-1912.5	496459	5586708	57754	18.6	-13.1	30.5	24	24.4	-3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2200	-1900	496454	5586720	57761	18.6	-8.6	25.3	24	16.9	-2.8
2200	-1887.5	496449	5586731	57748	18.6	-6.7	19.4	24	12.1	-4.8
2200	-1875	496444	5586743	57747	18.6	-1.6	15	24	8.7	-6.1
2200	-1862.5	496439	5586754	57750	18.6	0.8	11.5	24	7.4	-6.4
2200	-1850	496434	5586766	57752	18.6	3.8	7.9	24	7.1	-5.3
2200	-1837.5	496429	5586777	57762	18.6	4.9	5.5	24	6.6	-4
2200	-1825	496424	5586789	57765	18.6	5.5	1.9	24	5.9	-3.7
2200	-1812.5	496419	5586800	57751	18.6	7.9	-1	24	6.7	-2.5
2200	-1800	496414	5586812	57737	18.6	11.4	-3.1	24	5.5	1.6
2200	-1787.5	496410	5586823	57741	18.6	10	-2.6	24	2.3	2.2
2200	-1775	496405	5586835	57740	18.6	7.5	-0.7	24	0.1	1.3
2200	-1762.5	496400	5586846	57740	18.6	3.4	-0.7	24	-4.3	1.4
2200	-1750	496395	5586858	57759	18.6	-0.5	-0.4	24	-10.8	1.3
2200	-1737.5	496390	5586869	57762	18.6	-2.5	0.4	24	-16.1	1.3
2200	-1725	496385	5586880	57759	18.6	-4.1	1.9	24	-18.3	3
2200	-1712.5	496380	5586892	57763	18.6	-5.9	3	24	-19.6	2.3
2200	-1700	496375	5586903	57766	18.6	-4.8	3.1	24	-17.6	4.6
2200	-1687.5	496370	5586915	57772	18.6	-4.4	4.8	24	-15.4	4
2200	-1675	496365	5586926	57774	18.6	-1.4	6	24	-12.4	4.7
2200	-1662.5	496360	5586938	57770	18.6	-0.6	6.3	24	-9.5	3.6
2200	-1650	496355	5586949	57769	18.6	0.9	7.7	24	-6.6	2.5
2200	-1637.5	496350	5586961	57766	18.6	1.6	8	24	-4.3	3.4
2200	-1625	496345	5586972	57758	18.6	2.2	8	24	-3	4
2200	-1612.5	496340	5586984	57765	18.6	2.2	8.2	24	-2.8	2.7
2200	-1600	496335	5586995	57769	18.6	1.2	9.1	24	-2.5	2.1
2200	-1587.5	496330	5587007	57760	18.6	4.3	8.6	24	-1.8	0.8
2200	-1575	496325	5587018	57760	18.6	4.7	9	24	-0.8	2.8
2200	-1562.5	496320	5587030	57764	18.6	4.6	8.3	24	-0.6	0.9
2200	-1550	496315	5587041	57763	18.6	4.2	7.8	24	-0.3	2.1
2200	-1537.5	496310	5587053	57761	18.6	3.3	5.1	24	-1.5	0
2200	-1525	496305	5587064	57760	18.6	3.7	6	24	-1.6	1
2200	-1512.5	496301	5587076	57758	18.6	3.8	4.5	24	-2.9	-0.9
2200	-1500	496296	5587087	57760	18.6	3.6	4.4	24	-2.2	-1.4
2200	-1487.5	496291	5587099	57765	18.6	3.1	4.9	24	-2.4	-2.1
2200	-1475	496286	5587110	57764	18.6	2.4	3.7	24	-1.5	-2.2
2200	-1462.5	496281	5587122	57761	18.6	5.4	3.9	24	-2.6	-1.7

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2200	-1450	496276	5587133	57757	18.6	3.3	2.5	24	-2.1	-0.6
2200	-1437.5	496271	5587144	57754	18.6	3.5	2.2	24	-2.6	-2.2
2200	-1425	496266	5587156	57755	18.6	4.3	2.3	24	-2.7	-2.2
2200	-1412.5	496261	5587167	57760	18.6	4.1	3.1	24	-3.7	-0.3
2200	-1400	496251	5587190	57766	18.6	-8.6	-0.3	24	3.6	-2
2200	-1400	496256	5587179	57764	18.6	3.7	2.3	24	-4	-2.5
2200	-1387.5	496246	5587202	57768	18.6	-5.6	0.2	24	5.4	-2.1
2200	-1375	496241	5587213	57768	18.6	-7	1.9	24	5.8	-4.2
2200	-1362.5	496236	5587225	57766	18.6	-4.1	0	24	6.7	-2.8
2200	-1350	496231	5587236	57764	18.6	-4.4	0	24	6.1	-4.6
2200	-1337.5	496226	5587248	57763	18.6	-5.8	0.7	24	6	-4.8
2200	-1325	496221	5587259	57763	18.6	-5.5	-0.8	24	5.7	-4.4
2200	-1312.5	496216	5587271	57764	18.6	-4.8	0.7	24	6.1	-4
2200	-1300	496211	5587282	57764	18.6	-4.2	0.4	24	5.6	-3.1
2200	-1287.5	496206	5587294	57765	18.6	-4.8	0.9	24	5.8	-4.5
2200	-1275	496201	5587305	57767	18.6	-3.7	-0.2	24	5.6	-4.7
2200	-1262.5	496196	5587317	57774	18.6	-3.8	1.1	24	3.8	-4.8
2200	-1250	496192	5587328	57780	18.6	-4.9	-0.4	24	2.7	-3.6
2200	-1237.5	496187	5587340	57787	18.6	-5.1	-1.6	24	2.6	-4.1
2200	-1225	496182	5587351	57790	18.6	-4	-0.2	24	2.4	-2.8
2200	-1212.5	496177	5587363	57794	18.6	-4.7	-1.2	24	1.2	-3.6
2200	-1200	496172	5587374	57798	18.6	-3.6	-0.6	24	1.5	-2.5
2200	-1187.5	496167	5587385	57802	18.6	-2.4	-0.9	24	1.1	-3.9
2200	-1175	496162	5587397	57805	18.6	-1.6	-1.5	24	1.3	-2.5
2200	-1162.5	496157	5587408	57806	18.6	-0.8	-1.1	24	2.7	-3.6
2200	-1150	496152	5587420	57806	18.6	0.3	-1.1	24	2.8	-1.7
2200	-1137.5	496147	5587431	57807	18.6	-0.6	0.8	24	3.1	-3.5
2200	-1125	496142	5587443	57808	18.6	0.5	0.1	24	3	-1.4
2200	-1112.5	496137	5587454	57808	18.6	2.5	3	24	1.6	-0.1
2200	-1100	496132	5587466	57805	18.6	4.1	5.4	24	0.9	1.1
2200	-1087.5	496127	5587477	57800	18.6	4.5	6.6	24	-0.9	3
2200	-1075	496122	5587489	57799	18.6	5.1	9.8	24	-2.9	6.4
2200	-1062.5	496117	5587500	57802	18.6	5.6	9.4	24	-3.9	4.6
2200	-1050	496112	5587512	57804	18.6	7.8	10	24	-3.8	5.5
2200	-1037.5	496107	5587523	57811	18.6	8.9	9.2	24	-3.3	4.3
2200	-1025	496102	5587535	57814	18.6	11	9.3	24	-1.2	4.9

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2200	-1012.5	496097	5587546	57812	18.6	12	8.2	24	-0.6	4.7
2200	-1000	496092	5587558	57815	18.6	14.1	9	24	0	7.5
2200	-987.5	496088	5587569	57817	18.6	13.7	9.4	24	1.1	5
2200	-975	496083	5587581	57818	18.6	12.6	8.6	24	0.2	4.2
2200	-962.5	496078	5587592	57820	18.6	14.5	9.5	24	2.2	3.3
2200	-950	496073	5587604	57822	18.6	15.5	10.3	24	2.3	4
2200	-937.5	496068	5587615	57822	18.6	15.8	12.2	24	3	4.9
2200	-925	496063	5587626	57837	18.6	15.9	12	24	2.9	4.6
2200	-912.5	496058	5587638	57860	18.6	15.5	14.8	24	2	5.1
2200	-900	496053	5587649	57884	18.6	13.7	18.5	24	-0.5	4
2200	-887.5	496048	5587661	57908	18.6	14.1	22.1	24	-2.2	7.2
2200	-875	496043	5587672	57921	18.6	13.5	25	24	-4.6	8
2200	-862.5	496038	5587684	57916	18.6	11.3	26.8	24	-6.4	5
2200	-850	496033	5587695	57896	18.6	13.1	28.6	24	-7.1	7.4
2200	-837.5	496028	5587707	57866	18.6	13	30.5	24	-7.8	7.6
2200	-825	496023	5587718	57843	18.6	14.4	30.9	24	-7.7	6.7
2200	-812.5	496018	5587730	57817	18.6	14.7	31.5	24	-6.2	7.1
2200	-800	496013	5587741	57796	18.6	14.7	31.5	24	-5.8	7.9
2200	-787.5	496008	5587753	57787	18.6	12.2	36.4	24	-8.2	6.9
2200	-775	496003	5587764	57788	18.6	10.7	39.1	24	-10.3	5.8
2200	-762.5	495998	5587776	57787	18.6	11.5	41	24	-8.6	5.9
2200	-750	495993	5587787	57784	18.6	12.9	40.1	24	-8.1	8.6
2200	-737.5	495988	5587799	57781	18.6	9.6	42.1	24	-9.1	6.7
2200	-725	495983	5587810	57776	18.6	6.8	45	24	-11.3	7
2200	-712.5	495979	5587822	57763	18.6	5.4	49.7	24	-15.5	5.8
2200	-700	495974	5587833	57757	18.6	4.4	50.9	24	-16.7	5.2
2200	-687.5	495969	5587845	57758	18.6	2.9	52	24	-15.9	4.6
2200	-675	495964	5587856	57762	18.6	3.7	51.4	24	-12.8	0.9
2200	-662.5	495959	5587867	57770	18.6	5.6	48.4	24	-6.1	-1.4
2200	-650	495954	5587879	57766	18.6	10.6	42.1	24	1.2	-1.4
2200	-637.5	495949	5587890	57764	18.6	16.6	34.1	24	7	-1.1
2200	-625	495944	5587902	57759	18.6	20.5	30.6	24	11.5	-1.4
2200	-612.5	495939	5587913	57753	18.6	25.2	22.9	24	16.2	-0.8
2200	-600	495934	5587925	57761	18.6	30	18.6	24	19.4	0.3
2200	-587.5	495929	5587936	57771	18.6	31.4	17	24	23.2	-1.2
2200	-575	495924	5587948	57779	18.6	30	14.6	24	22.9	-2.5

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2200	-562.5	495919	5587959	57778	18.6	26.8	16.7	24	21.9	-4.3
2200	-550	495914	5587971	57775	18.6	23.7	18.5	24	20.9	-5.8
2200	-537.5	495909	5587982	57776	18.6	20.4	20.9	24	18.4	-6.1
2200	-525	495904	5587994	57780	18.6	16.2	25.1	24	17.2	-6.1
2200	-512.5	495899	5588005	57778	18.6	11.7	29.8	24	12.8	-6.5
2300	-1875	496536	5586782	57713	18.6	-9.9	18.4	24	-17.4	9.8
2300	-1862.5	496531	5586794	57717	18.6	-15.2	19.1	24	-26.4	7.7
2300	-1850	496526	5586805	57729	18.6	-15.5	18.1	24	-34	6.5
2300	-1837.5	496521	5586817	57744	18.6	-15.4	16.8	24	-35	5.5
2300	-1825	496516	5586828	57750	18.6	-12.7	16.8	24	-30.5	8.5
2300	-1812.5	496511	5586840	57753	18.6	-7.9	12.4	24	-24.2	10.7
2300	-1800	496506	5586851	57760	18.6	-6.1	8.3	24	-18.2	10.9
2300	-1787.5	496501	5586863	57761	18.6	-1.4	4.2	24	-11.9	12.3
2300	-1775	496496	5586874	57759	18.6	-0.2	1.9	24	-7.3	9.9
2300	-1762.5	496491	5586886	57755	18.6	-1.8	0.2	24	-5.6	9.1
2300	-1750	496486	5586897	57745	18.6	0.1	0.2	24	-7.1	10.4
2300	-1737.5	496481	5586909	57744	18.6	-3.6	0	24	-7.8	9.5
2300	-1725	496477	5586920	57749	18.6	-3.3	-3.4	24	-9.4	9.8
2300	-1712.5	496472	5586932	57761	18.6	-4.6	0	24	-10.7	9.3
2300	-1700	496467	5586943	57772	18.6	-4	-0.1	24	-9.4	10
2300	-1687.5	496462	5586955	57774	18.6	-5.6	2.7	24	-7.4	8.9
2300	-1675	496457	5586966	57777	18.6	-5.2	0.6	24	-5.9	8.6
2300	-1662.5	496452	5586978	57776	18.6	-4.9	1.9	24	-5	9.8
2300	-1650	496447	5586989	57773	18.6	-5.1	2.2	24	-4.4	10.3
2300	-1637.5	496442	5587001	57768	18.6	-5.6	0.8	24	-3.3	8.7
2300	-1625	496437	5587012	57767	18.6	-5.9	0.8	24	-3.7	9
2300	-1612.5	496432	5587023	57770	18.6	-5.6	2	24	-5.8	8.8
2300	-1600	496427	5587035	57765	18.6	-7.5	1.1	24	-6.1	7.1
2300	-1587.5	496422	5587046	57761	18.6	-6.2	1.2	24	-6.3	9.2
2300	-1575	496417	5587058	57765	18.6	-8	3	24	-5.9	5.4
2300	-1562.5	496412	5587069	57768	18.6	-6.6	2.6	24	-4.4	6.8
2300	-1550	496407	5587081	57776	18.6	-5.7	3.8	24	-3.6	4.2
2300	-1537.5	496402	5587092	57778	18.6	-4.7	3.3	24	-1.5	5.7
2300	-1525	496397	5587104	57774	18.6	-5.2	0.8	24	-0.5	0.7
2300	-1512.5	496392	5587115	57778	18.6	-4.8	-0.5	24	1.3	3.6
2300	-1500	496387	5587127	57775	18.6	-5.8	0.2	24	1.7	-0.2

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2300	-1487.5	496382	5587138	57764	18.6	-3.5	-0.5	24	2.9	0.4
2300	-1475	496377	5587150	57756	18.6	-4.2	-1.5	24	2.8	-3.5
2300	-1462.5	496373	5587161	57756	18.6	-3.6	-2.9	24	4.7	-1.5
2300	-1450	496368	5587173	57754	18.6	-2.7	-4.2	24	6.5	-3
2300	-1437.5	496363	5587184	57751	18.6	-1.7	-1.6	24	6.8	-4.4
2300	-1425	496358	5587196	57750	18.6	-0.7	-4.9	24	7.6	-5.2
2300	-1412.5	496353	5587207	57750	18.6	-2.5	-3.8	24	7.7	-3.9
2300	-1400	496343	5587230	57737	18.6	-20.8	-12.6	24	7.5	-9
2300	-1400	496348	5587219	57751	18.6	-1.6	-5.2	24	7.3	-5.5
2300	-1387.5	496338	5587242	57754	18.6	-22.2	-12.2	24	7.4	-8.9
2300	-1375	496333	5587253	57753	18.6	-18.4	-14.3	24	7.2	-10.2
2300	-1362.5	496328	5587264	57754	18.6	-20.6	-12.7	24	5.5	-8.9
2300	-1350	496323	5587276	57758	18.6	-19	-13.2	24	4.5	-9.1
2300	-1337.5	496318	5587287	57763	18.6	-21.1	-9.8	24	3.2	-7.4
2300	-1325	496313	5587299	57766	18.6	-22.1	-7.8	24	3.5	-6.4
2300	-1312.5	496308	5587310	57766	18.6	-20.2	-8	24	3.3	-6.3
2300	-1300	496303	5587322	57767	18.6	-3.2	1.3	24	3.2	-5.9
2300	-1287.5	496298	5587333	57771	18.6	-15.9	-9.8	24	3.9	-5.1
2300	-1275	496293	5587345	57777	18.6	-15.1	-7.5	24	2.7	-4.8
2300	-1262.5	496288	5587356	57783	18.6	-14.3	-7	24	2.3	-3.5
2300	-1250	496283	5587368	57789	18.6	-15.8	-5.6	24	0.9	-3.2
2300	-1237.5	496278	5587379	57793	18.6	-14.3	-4.7	24	0.9	-2.3
2300	-1225	496273	5587391	57795	18.6	-13.8	-5.4	24	-0.5	-2.2
2300	-1212.5	496268	5587402	57795	18.6	-11.5	-4.4	24	0	-1.5
2300	-1200	496264	5587414	57794	18.6	-10.9	-6.6	24	-0.3	-0.8
2300	-1187.5	496259	5587425	57792	18.6	-11.2	-3.3	24	0.2	-3.3
2300	-1175	496254	5587437	57791	18.6	-10.9	-5.4	24	-0.4	-1.3
2300	-1162.5	496249	5587448	57789	18.6	-11.7	-4	24	0	-0.3
2300	-1150	496244	5587460	57788	18.6	-11.2	-4.5	24	-0.6	-3.8
2300	-1137.5	496239	5587471	57787	18.6	-10.8	-5	24	-0.9	-3.2
2300	-1125	496234	5587483	57785	18.6	-11	-6	24	-0.6	-3.3
2300	-1112.5	496229	5587494	57783	18.6	-11.9	-3.3	24	-0.1	-4.3
2300	-1100	496224	5587506	57780	18.6	-11	-6.6	24	1.1	-4.1
2300	-1087.5	496219	5587517	57779	18.6	-9.5	-5.8	24	1.9	-7.3
2300	-1075	496214	5587528	57778	18.6	-9.8	-6.8	24	2.5	-5.2
2300	-1062.5	496209	5587540	57776	18.6	-10.3	-9.4	24	2.3	-6.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2300	-1050	496204	5587551	57772	18.6	-10.2	-9.2	24	2.7	-4.9
2300	-1037.5	496199	5587563	57769	18.6	-9.4	-9.6	24	1.7	-5.6
2300	-1025	496194	5587574	57768	18.6	-11.3	-8.4	24	0.4	-2.6
2300	-1012.5	496189	5587586	57767	18.6	-12.5	-7.3	24	-1	-1.8
2300	-1000	496184	5587597	57770	18.6	-14.3	-7.5	24	-3.8	-3.1
2300	-987.5	496179	5587609	57775	18.6	-17.9	-6.2	24	-2.8	-4.4
2300	-975	496174	5587620	57778	18.6	-16.9	-7.3	24	-2.1	-3.8
2300	-962.5	496169	5587632	57775	18.6	-18.8	-9.1	24	0.4	-6.4
2300	-950	496164	5587643	57780	18.6	-17.9	-9.2	24	-0.8	-4.9
2300	-937.5	496159	5587655	57788	18.6	-18.8	-11	24	0.8	-6.1
2300	-925	496155	5587666	57794	18.6	-18.5	-12.4	24	2.8	-6.5
2300	-912.5	496150	5587678	57797	18.6	-15.6	-15.1	24	4.7	-6.4
2300	-900	496145	5587689	57798	18.6	-15.7	-18.6	24	6.8	-7.8
2300	-887.5	496140	5587701	57801	18.6	-19.4	-20.5	24	7.6	-7.3
2300	-875	496135	5587712	57805	18.6	-17.5	-21.2	24	7.7	-10.4
2300	-862.5	496130	5587724	57806	18.6	-16.2	-22.6	24	8.1	-9.1
2300	-850	496125	5587735	57809	18.6	-15.5	-23.9	24	8.2	-8.9
2300	-837.5	496120	5587747	57813	18.6	-14.9	-25	24	8.3	-7.9
2300	-825	496115	5587758	57829	18.6	-16.3	-26.1	24	7.2	-9.1
2300	-812.5	496110	5587769	57860	18.6	-16.7	-25.8	24	6.6	-9.5
2300	-800	496105	5587781	57885	18.6	-15.9	-26.9	24	6.3	-7.5
2300	-787.5	496100	5587792	57879	18.6	-17.5	-25.6	24	4.2	-8.1
2300	-775	496095	5587804	57843	18.6	-17.8	-23.5	24	1.7	-7.7
2300	-762.5	496090	5587815	57819	18.6	-18	-24.5	24	-0.3	-7.6
2300	-750	496085	5587827	57788	18.6	-11.5	-27.3	24	3	-7.7
2300	-737.5	496080	5587838	57779	18.6	-0.3	-34.3	24	11.8	-8.1
2300	-725	496075	5587850	57768	18.6	17.2	-46.5	24	26.8	-6.6
2300	-712.5	496070	5587861	57751	18.6	30.9	-58.5	24	42.7	-3.5
2300	-700	496065	5587873	57736	18.6	33.2	-69.9	24	51.4	-2.7
2300	-687.5	496060	5587884	57749	18.6	23.6	-73.7	24	50	-1.8
2300	-675	496055	5587896	57788	18.6	5.5	-66.5	24	38.8	-7.5
2300	-662.5	496051	5587907	57773	18.6	-10.9	-55.8	24	29.8	-10.6
2300	-650	496046	5587919	57778	18.6	-21.1	-45.9	24	21.1	-13.2
2300	-637.5	496041	5587930	57783	18.6	-12.3	-44.8	24	26.8	-8.3
2300	-625	496036	5587942	57779	18.6	-8.2	-44	24	34.3	-1.7
2300	-612.5	496031	5587953	57779	18.6	-15.5	-42.9	24	35.2	-1.6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2300	-600	496026	5587965	57782	18.6	-19.2	-34.4	24	28.8	-0.5
2300	-587.5	496021	5587976	57789	18.6	-24.3	-30.1	24	23.8	-1.5
2300	-575	496016	5587988	57796	18.6	-26.2	-24.4	24	16.6	-1.2
2300	-562.5	496011	5587999	57798	18.6	-24.1	-20.3	24	10.8	-0.7
2300	-550	496006	5588010	57798	18.6	-20.9	-20.5	24	6.2	0
2300	-537.5	496001	5588022	57795	18.6	-18.2	-23.9	24	3.8	-1.9
2300	-525	495996	5588033	57787	18.6	-11.7	-28.8	24	2.1	-1.5
2300	-512.5	495991	5588045	57786	18.6	-5.3	-33.7	24	2	-4
2300	-500	495986	5588056	57774	18.6	2.9	-39.5	24	2.7	-4.9
2300	-487.5	495981	5588068	57765	18.6	7.6	-43.9	24	2.5	-8.3
2300	-475	495976	5588079	57762	18.6	13.5	-49	24	2.9	-9.8
2300	-462.5	495971	5588091	57768	18.6	18.6	-52.9	24	5	-8.9
2300	-450	495966	5588102	57785	18.6	23.4	-55.7	24	8.3	-10.5
2300	-437.5	495961	5588114	57791	18.6	31.2	-58.5	24	11.8	-9.5
2300	-425	495956	5588125	57783	18.6	39.5	-62	24	17.9	-9.1
2300	-412.5	495951	5588137	57780	18.6	50.2	-68.4	24	23.4	-9.4
2300	-400	495946	5588148	57777	18.6	58.2	-73.1	24	30.1	-7.4
2300	-387.5	495942	5588160	57760	18.6	68.1	-81.7	24	38	-5.7
2300	-375	495937	5588171	57751	18.6	76.3	-93.5	24	45.5	-4.5
2300	-362.5	495932	5588183	57754	18.6	76.4	-103.8	24	46.8	-4
2300	-350	495927	5588194	57761	18.6	75.8	-97.8	24	48.6	-3
2400	-1900	496638	5586799	57754	18.6	4.4	1.7	24	-37.6	8
2400	-1887.5	496633	5586811	57760	18.6	6.1	1.6	24	-39.2	9.6
2400	-1875	496628	5586822	57765	18.6	5	1.9	24	-39.5	10.7
2400	-1862.5	496623	5586834	57769	18.6	2.8	1.4	24	-38.3	10.1
2400	-1850	496618	5586845	57768	18.6	2.2	2.8	24	-35.1	9.2
2400	-1837.5	496613	5586857	57764	18.6	1.3	4.2	24	-33.4	10.7
2400	-1825	496608	5586868	57764	18.6	2	4.5	24	-31.4	13.1
2400	-1812.5	496603	5586880	57765	18.6	0.2	5.4	24	-31.1	11.1
2400	-1800	496598	5586891	57769	18.6	-2.6	6.4	24	-30.2	10.2
2400	-1787.5	496593	5586903	57772	18.6	-3.4	6.6	24	-26.4	10.2
2400	-1775	496588	5586914	57774	18.6	-4	6.9	24	-19.7	9.5
2400	-1762.5	496583	5586925	57775	18.6	-2.1	6.6	24	-16.2	10
2400	-1750	496578	5586937	57771	18.6	0.7	4.7	24	-12.6	9.5
2400	-1737.5	496573	5586948	57769	18.6	2	2.6	24	-8.8	9.4
2400	-1725	496568	5586960	57764	18.6	3.6	2.3	24	-6.2	9.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2400	-1712.5	496563	5586971	57757	18.6	1.1	1.2	24	-5.9	7.7
2400	-1700	496558	5586983	57750	18.6	0.8	-0.9	24	-4.5	5.8
2400	-1687.5	496553	5586994	57756	18.6	2.7	-0.7	24	-4	5.5
2400	-1675	496549	5587006	57759	18.6	2.2	-3.1	24	-3.4	5.8
2400	-1662.5	496544	5587017	57763	18.6	1.7	-1.4	24	-2	2.8
2400	-1650	496539	5587029	57765	18.6	2.3	-0.8	24	-1	3.3
2400	-1637.5	496534	5587040	57769	18.6	3.7	-1.2	24	-0.5	2.3
2400	-1625	496529	5587052	57772	18.6	4.4	-2.4	24	0.3	1
2400	-1612.5	496524	5587063	57771	18.6	4.2	-3.3	24	0	0.2
2400	-1600	496519	5587075	57768	18.6	3.7	-1.2	24	-1.8	2.3
2400	-1587.5	496514	5587086	57764	18.6	2	-0.3	24	-3.4	0.8
2400	-1575	496509	5587098	57763	18.6	2.1	-1	24	-6.3	3.5
2400	-1562.5	496504	5587109	57770	18.6	-3.9	0.8	24	-8.7	1.6
2400	-1550	496499	5587121	57772	18.6	-1.4	1.4	24	-9.7	1.6
2400	-1537.5	496494	5587132	57772	18.6	-1.5	1	24	-9.6	0.8
2400	-1525	496489	5587144	57781	18.6	-1.6	1.3	24	-8.7	1.2
2400	-1512.5	496484	5587155	57785	18.6	0.3	2.9	24	-7.7	-0.2
2400	-1500	496479	5587166	57786	18.6	0.6	1.4	24	-7	1.3
2400	-1487.5	496474	5587178	57786	18.6	0.3	2.7	24	-7.3	0.5
2400	-1475	496469	5587189	57789	18.6	1.3	0.5	24	-6.3	-1.3
2400	-1462.5	496464	5587201	57790	18.6	0.8	-2.3	24	-6.2	-2.3
2400	-1450	496459	5587212	57786	18.6	3.2	-2	24	-4.6	-2.7
2400	-1437.5	496454	5587224	57785	18.6	3.6	-0.6	24	-5	-3.7
2400	-1425	496449	5587235	57783	18.6	4.6	-4.1	24	-5.8	-3.6
2400	-1412.5	496444	5587247	57779	18.6	2.2	-3.4	24	-6.8	-3.2
2400	-1400	496435	5587270	57771	18.6	-23.5	-7.6	24	7.1	-0.4
2400	-1400	496440	5587258	57773	18.6	4	-4.8	24	-6.7	-4
2400	-1387.5	496430	5587281	57761	18.6	-24.1	-10.8	24	8.3	0
2400	-1375	496425	5587293	57755	18.6	-8.7	4.3	24	8.6	0.8
2400	-1362.5	496420	5587304	57749	18.6	-23.3	-9.2	24	9.2	0.9
2400	-1350	496415	5587316	57745	18.6	-19.8	-8.5	24	8.3	1.9
2400	-1337.5	496410	5587327	57748	18.6	-19	-7	24	6.8	1.9
2400	-1325	496405	5587339	57754	18.6	-16.6	-6.6	24	4.8	1.9
2400	-1312.5	496400	5587350	57763	18.6	-17.6	-4.7	24	1.2	3.7
2400	-1300	496395	5587362	57774	18.6	-16.7	-7.2	24	-0.6	5.7
2400	-1287.5	496390	5587373	57788	18.6	1	6.3	24	-1.5	6.7

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2400	-1275	496385	5587385	57793	18.6	-13.1	-6.3	24	-0.6	5.5
2400	-1262.5	496380	5587396	57788	18.6	-10.2	-6.5	24	1.2	5.5
2400	-1250	496375	5587407	57785	18.6	-10	-7.3	24	3.3	6.8
2400	-1237.5	496370	5587419	57784	18.6	-9	-4.8	24	4.3	5.5
2400	-1225	496365	5587430	57786	18.6	-8.8	-5.9	24	4.9	3.9
2400	-1212.5	496360	5587442	57787	18.6	-5.4	-7.2	24	5	3
2400	-1200	496355	5587453	57787	18.6	-5.6	-6.5	24	5.1	1.2
2400	-1187.5	496350	5587465	57784	18.6	-7.9	-5.2	24	4	2
2400	-1175	496345	5587476	57781	18.6	-8	-5.1	24	1.7	0.8
2400	-1162.5	496340	5587488	57779	18.6	-8.6	-6.9	24	0.2	2.9
2400	-1150	496336	5587499	57776	18.6	-8.5	-4.4	24	-1.5	0.9
2400	-1137.5	496331	5587511	57777	18.6	-9.2	-1.9	24	-1.3	2.4
2400	-1125	496326	5587522	57777	18.6	-4.2	-4.9	24	-1.3	3.1
2400	-1112.5	496321	5587534	57778	18.6	-5.8	-3.3	24	0	1
2400	-1100	496316	5587545	57779	18.6	-3.6	-4.9	24	1.3	1.3
2400	-1087.5	496311	5587557	57781	18.6	-3.4	-2.1	24	2.4	0.2
2400	-1075	496306	5587568	57781	18.6	0	-2	24	2.8	1.7
2400	-1062.5	496301	5587580	57781	18.6	1	-1.2	24	3.8	-0.8
2400	-1050	496296	5587591	57779	18.6	0.3	-2.5	24	2.8	-2.1
2400	-1037.5	496291	5587603	57776	18.6	1.2	-0.3	24	2.8	-0.3
2400	-1025	496286	5587614	57773	18.6	1.6	2.2	24	2.6	-0.1
2400	-1012.5	496281	5587626	57773	18.6	1.5	2.8	24	1.3	0.7
2400	-1000	496276	5587637	57774	18.6	-0.2	4.1	24	1.1	0.5
2400	-987.5	496271	5587648	57778	18.6	5.4	4.8	24	1.9	1.6
2400	-975	496266	5587660	57778	18.6	5.6	6.7	24	2.6	-0.7
2400	-962.5	496261	5587671	57779	18.6	4.8	8.9	24	3	-2.5
2400	-950	496256	5587683	57780	18.6	6.1	9.3	24	3	-2.6
2400	-937.5	496251	5587694	57782	18.6	7.7	11.9	24	3.1	-1.8
2400	-925	496246	5587706	57784	18.6	6.1	13.9	24	3	-1.8
2400	-912.5	496241	5587717	57786	18.6	6.9	16	24	1.8	-1.9
2400	-900	496236	5587729	57788	18.6	5.7	18.5	24	1.1	-1.6
2400	-887.5	496231	5587740	57792	18.6	8	18.8	24	0.5	-1.2
2400	-875	496227	5587752	57794	18.6	8.2	21.4	24	0	-1.8
2400	-862.5	496222	5587763	57795	18.6	7.3	22.8	24	0.2	-0.5
2400	-850	496217	5587775	57811	18.6	9	23.6	24	0.7	-0.6
2400	-837.5	496212	5587786	57808	18.6	10.4	24.3	24	1.4	1.1

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2400	-825	496207	5587798	57807	18.6	9.6	26.4	24	1.8	0.1
2400	-812.5	496202	5587809	57809	18.6	10.7	27.3	24	2.2	-0.2
2400	-800	496197	5587821	57810	18.6	11.6	27.1	24	2.2	0.7
2400	-787.5	496192	5587832	57816	18.6	11.9	28	24	2.7	0
2400	-775	496187	5587844	57824	18.6	11.7	31	24	1.3	1.7
2400	-762.5	496182	5587855	57827	18.6	7.4	33.6	24	-1.3	2.2
2400	-750	496177	5587867	57827	18.6	3.2	38.4	24	-4.9	2.8
2400	-737.5	496172	5587878	57827	18.6	-2.3	44.5	24	-11.8	3
2400	-725	496167	5587889	57836	18.6	-10.6	50.8	24	-20.4	2.7
2400	-712.5	496162	5587901	57867	18.6	-15	59.4	24	-28.6	4.4
2400	-700	496157	5587912	57938	18.6	-16.9	63.4	24	-32.9	3.9
2400	-687.5	496152	5587924	57983	18.6	-15.6	64.4	24	-34.9	0.6
2400	-675	496147	5587935	57833	18.6	-16	61.6	24	-34.5	1.7
2400	-662.5	496142	5587947	57784	18.6	-22.1	60.8	24	-39.4	-1.7
2400	-650	496137	5587958	57758	18.6	-27.8	67.4	24	-49.4	-10.5
2400	-637.5	496132	5587970	57736	18.6	-31.9	72.2	24	-59.9	-22.1
2400	-625	496127	5587981	57736	18.6	-28.9	73.9	24	-66.3	-32.6
2400	-612.5	496122	5587993	57761	18.6	-18.9	74.8	24	-67.5	-51.9
2500	-1875	496720	5586862	57778	18.6	2.3	-2.1	24	-5.1	8.1
2500	-1862.5	496715	5586873	57751	18.6	1.1	-3.9	24	-4.4	6.3
2500	-1850	496710	5586885	57775	18.6	2.5	-3	24	-3.1	6.1
2500	-1837.5	496705	5586896	57772	18.6	1.1	-3.7	24	-1.5	4.1
2500	-1825	496700	5586908	57767	18.6	1.1	-2.8	24	-0.7	2
2500	-1812.5	496695	5586919	57765	18.6	0.8	-3.5	24	0.7	2.8
2500	-1800	496690	5586931	57771	18.6	1.3	-2.2	24	1.6	1.8
2500	-1787.5	496685	5586942	57773	18.6	0.5	-2.4	24	1.1	2.7
2500	-1775	496680	5586954	57782	18.6	0.3	2	24	-0.1	3.3
2500	-1762.5	496675	5586965	57788	18.6	-1.5	1.1	24	-1.6	2.8
2500	-1750	496670	5586977	57800	18.6	-2	2.8	24	-2	3.3
2500	-1737.5	496665	5586988	57801	18.6	-1.1	2.8	24	-1.5	4.2
2500	-1725	496660	5587000	57795	18.6	-0.9	4.6	24	-1.1	3.1
2500	-1712.5	496655	5587011	57790	18.6	-1.4	1.2	24	-0.3	2.5
2500	-1700	496650	5587023	57784	18.6	-0.6	2	24	0.2	1
2500	-1687.5	496645	5587034	57780	18.6	-1.5	2.7	24	1.1	0.4
2500	-1675	496640	5587046	57778	18.6	-0.8	0.1	24	1.1	1.9
2500	-1662.5	496635	5587057	57778	18.6	-3.5	-0.9	24	0.9	-0.6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2500	-1650	496630	5587068	57771	18.6	-1.7	-1	24	0	0.7
2500	-1637.5	496625	5587080	57772	18.6	-0.8	-2.4	24	0	1.1
2500	-1625	496621	5587091	57769	18.6	-5	-2.4	24	-0.1	-3
2500	-1612.5	496616	5587103	57765	18.6	-3.2	-2.8	24	-0.1	-1.5
2500	-1600	496611	5587114	57763	18.6	-2.7	-4.4	24	0	-0.5
2500	-1587.5	496606	5587126	57765	18.6	-5.5	-5.1	24	1.2	-2.3
2500	-1575	496601	5587137	57768	18.6	-5.4	-4.9	24	0.7	-5.3
2500	-1562.5	496596	5587149	57772	18.6	-3.4	-6.2	24	0.7	-3.6
2500	-1550	496591	5587160	57768	18.6	-2.8	-6	24	2	-5
2500	-1537.5	496586	5587172	57767	18.6	-3.3	-7.1	24	1.6	-5.3
2500	-1525	496581	5587183	57767	18.6	-3.5	-7.2	24	0.5	-6.4
2500	-1512.5	496576	5587195	57777	18.6	0.4	-4.5	24	0.4	-7.4
2500	-1500	496571	5587206	57787	18.6	-2.9	-10	24	0	-8
2500	-1487.5	496566	5587218	57790	18.6	-4.1	-8.5	24	0.6	-10.1
2500	-1475	496561	5587229	57789	18.6	-3.4	-10	24	2.6	-11.2
2500	-1462.5	496556	5587241	57785	18.6	-1	-11.8	24	3.3	-11.2
2500	-1450	496551	5587252	57786	18.6	-0.9	-9.9	24	4.6	-13.3
2500	-1437.5	496546	5587264	57782	18.6	1.4	-11.4	24	5.6	-14.6
2500	-1425	496541	5587275	57777	18.6	2.8	-12.8	24	7.1	-17.7
2500	-1412.5	496536	5587287	57774	18.6	5.6	-10.9	24	9.9	-17.2
2500	-1400	496526	5587309	57752	18.6	0	-18.7	24	11.2	-18.4
2500	-1400	496531	5587298	57773	18.6	8.9	-12.7	24	12.4	-18.2
2500	-1387.5	496521	5587321	57769	18.6	0.3	-18.3	24	13.6	-21.9
2500	-1375	496516	5587332	57769	18.6	1.5	-18.5	24	14.6	-23.4
2500	-1362.5	496512	5587344	57770	18.6	2.9	-15.7	24	14.4	-21.7
2500	-1350	496507	5587355	57774	18.6	2.6	-13.9	24	14.1	-21.6
2500	-1337.5	496502	5587367	57776	18.6	4.9	-13.4	24	12.9	-20.7
2500	-1325	496497	5587378	57778	18.6	4.2	-10.2	24	10.5	-18.7
2500	-1312.5	496492	5587390	57785	18.6	4.7	-9.2	24	8.4	-17.2
2500	-1300	496487	5587401	57790	18.6	3.7	-6.6	24	6.3	-12.1
2500	-1287.5	496482	5587413	57785	18.6	3.3	-4.7	24	3.5	-9.7
2500	-1275	496477	5587424	57780	18.6	1.2	-2.8	24	1.6	-8.1
2500	-1262.5	496472	5587436	57775	18.6	-6.1	-3.3	24	1.6	-7.7
2500	-1250	496467	5587447	57784	18.6	-15.3	-8.7	24	-4.7	-10
2500	-1237.5	496462	5587459	57788	18.6	-20.5	-8.9	24	-12.1	-11.2
2500	-1225	496457	5587470	57789	18.6	-22.3	-8.3	24	-15.8	-9

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2500	-1212.5	496452	5587482	57786	18.6	-21.3	-3.6	24	-15.9	-6.4
2500	-1200	496447	5587493	57783	18.6	-20.5	-2.5	24	-15	-4.2
2500	-1187.5	496442	5587505	57784	18.6	-16.8	-1.3	24	-15	-1
2500	-1175	496437	5587516	57784	18.6	-13.5	0.8	24	-12.2	-0.9
2500	-1162.5	496432	5587528	57783	18.6	-11.8	0.9	24	-9.9	0.3
2500	-1150	496427	5587539	57781	18.6	-7.7	-0.4	24	-7.6	-1
2500	-1137.5	496422	5587550	57779	18.6	-3.8	0.7	24	-6.6	-0.1
2500	-1125	496417	5587562	57777	18.6	-3.5	1.3	24	-5.3	-2.3
2500	-1112.5	496412	5587573	57775	18.6	-3.3	0.3	24	-4.9	-1.2
2500	-1100	496407	5587585	57773	18.6	-2.1	-0.9	24	-3.3	-1.7
2500	-1087.5	496403	5587596	57774	18.6	-0.4	-0.5	24	-2	-1.4
2500	-1075	496398	5587608	57777	18.6	-0.1	-0.9	24	0.2	-1.7
2500	-1062.5	496393	5587619	57779	18.6	-2.1	-0.8	24	0.6	-3.1
2500	-1050	496388	5587631	57780	18.6	-1.7	-0.6	24	2.4	-3.2
2500	-1037.5	496383	5587642	57780	18.6	-6.4	0.6	24	1.4	-6.4
2500	-1025	496378	5587654	57775	18.6	-9.6	-2.5	24	2	-4
2500	-1012.5	496373	5587665	57777	18.6	-12.6	-2.4	24	1.6	-4.7
2500	-1000	496368	5587677	57778	18.6	-11.6	-1.7	24	1.7	-3.7
2500	-987.5	496363	5587688	57780	18.6	-11.1	-3.4	24	1.9	-3.5
2500	-975	496358	5587700	57781	18.6	-11.5	-2.9	24	0.3	-2.9
2500	-962.5	496353	5587711	57781	18.6	-12.6	-4.4	24	1.7	-3.3
2500	-950	496348	5587723	57779	18.6	-12.1	-4.9	24	-0.4	-4.3
2500	-937.5	496343	5587734	57779	18.6	-13.1	-5.5	24	0.1	-3.6
2500	-925	496338	5587746	57779	18.6	-13.7	-8.1	24	1.3	-3.5
2500	-912.5	496333	5587757	57779	18.6	-14.8	-7.7	24	0.4	-3
2500	-900	496328	5587769	57779	18.6	-14.3	-8.8	24	3.2	-3.3
2500	-887.5	496323	5587780	57777	18.6	-11.8	-12.6	24	3.8	-3.9
2500	-875	496318	5587791	57778	18.6	-13.2	-14.6	24	4.7	-4.3
2500	-862.5	496313	5587803	57782	18.6	-12.8	-17.4	24	4.4	-3.9
2500	-850	496308	5587814	57782	18.6	-13.9	-17.9	24	3.6	-4.1
2500	-837.5	496303	5587826	57783	18.6	-14.1	-20.7	24	2.7	-4
2500	-825	496299	5587837	57782	18.6	-13.2	-21.9	24	1.4	-3.3
2500	-812.5	496294	5587849	57780	18.6	-13	-23	24	1.1	-2.2
2500	-800	496289	5587860	57784	18.6	-12.8	-23.9	24	-0.4	-2.4
2500	-787.5	496284	5587872	57790	18.6	-9.3	-28.9	24	1.1	-3.3
2500	-775	496279	5587883	57791	18.6	-5.1	-34.4	24	3.8	-4.2

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2500	-762.5	496274	5587895	57792	18.6	0.3	-40.7	24	8.4	-5
2500	-750	496269	5587906	57795	18.6	6.6	-45.7	24	12.2	-5.1
2500	-737.5	496264	5587918	57792	18.6	10.4	-51.9	24	15.6	-4.9
2500	-725	496259	5587929	57798	18.6	14	-56	24	17	-2.7
2500	-712.5	496254	5587941	57801	18.6	16.5	-62.4	24	20.6	-2.5
2500	-700	496249	5587952	57806	18.6	15	-59.4	24	18.9	-3.2
2500	-687.5	496244	5587964	57812	18.6	16.3	-57.3	24	20.3	-1.1
2500	-675	496239	5587975	57823	18.6	19.6	-57.9	24	20.1	1.1
2500	-662.5	496234	5587987	57828	18.6	22.9	-58.8	24	20.8	3.6
2500	-650	496229	5587998	57837	18.6	26	-58.8	24	21.5	7.8
2500	-637.5	496224	5588010	57842	18.6	28.7	-59.8	24	21.5	13.7
2500	-625	496219	5588021	57862	18.6	35.3	-66.4	24	22.8	24.7
2500	-612.5	496214	5588032	58031	18.6	36.2	-68.5	24	19.2	32.8
2600	-1775	496772	5586993	57759	18.6	3.2	4.2	24	0.5	-7.1
2600	-1762.5	496767	5587005	57759	18.6	2.5	5.6	24	0.9	-6
2600	-1750	496762	5587016	57763	18.6	0.6	4.4	24	-0.9	-6.1
2600	-1737.5	496757	5587028	57761	18.6	2.1	6.9	24	-2.9	-4.7
2600	-1725	496752	5587039	57753	18.6	2.9	7.1	24	-3.4	-3.9
2600	-1712.5	496747	5587051	57759	18.6	1.8	6.3	24	-4.3	-3.9
2600	-1700	496742	5587062	57766	18.6	3.6	5.3	24	-4.2	-1.7
2600	-1687.5	496737	5587074	57774	18.6	3.8	3.8	24	-5.5	-3.2
2600	-1675	496732	5587085	57783	18.6	3.1	2.3	24	-3.2	-5.6
2600	-1662.5	496727	5587097	57780	18.6	5.4	0	24	-1.4	-7.3
2600	-1650	496722	5587108	57772	18.6	7.8	-0.4	24	0.3	-4.5
2600	-1637.5	496717	5587120	57772	18.6	8.6	0.1	24	0.2	-5.2
2600	-1625	496712	5587131	57769	18.6	6.8	0.2	24	-1.1	-7.2
2600	-1612.5	496707	5587143	57770	18.6	6.7	-0.6	24	-1.1	-8.2
2600	-1600	496702	5587154	57764	18.6	7.7	0.9	24	-2.8	-6
2600	-1587.5	496697	5587166	57756	18.6	7.5	-0.8	24	-3.2	-7.8
2600	-1575	496692	5587177	57759	18.6	6.1	-1.8	24	-3.6	-6.2
2600	-1562.5	496688	5587188	57760	18.6	7	-0.9	24	-4.4	-8.1
2600	-1550	496683	5587200	57760	18.6	0.3	-4.9	24	-4	-8.6
2600	-1537.5	496678	5587211	57763	18.6	5.1	-3.2	24	-4.2	-10.8
2600	-1525	496673	5587223	57770	18.6	6.7	-4.4	24	-3.3	-11.5
2600	-1512.5	496668	5587234	57774	18.6	5.7	-5.2	24	-3.4	-14.3
2600	-1500	496663	5587246	57770	18.6	8	-7.5	24	-1.7	-14.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2600	-1487.5	496658	5587257	57763	18.6	10.7	-9.6	24	-0.3	-17.9
2600	-1475	496653	5587269	57758	18.6	11	-10.2	24	1.6	-16.6
2600	-1462.5	496648	5587280	57758	18.6	14.2	-9.6	24	4.1	-19.4
2600	-1450	496643	5587292	57760	18.6	16.4	-14.2	24	6.6	-19.6
2600	-1437.5	496638	5587303	57764	18.6	22.8	-13.9	24	14.1	-22.3
2600	-1425	496633	5587315	57760	18.6	30.8	-14.6	24	21.7	-23.1
2600	-1412.5	496628	5587326	57749	18.6	39	-12	24	32.4	-26.1
2600	-1400	496623	5587338	57741	18.6	52.2	-12.2	24	44.5	-24.7
2600	-1387.5	496618	5587349	57739	18.6	-59.4	12.1	24	-58.4	23.4
2600	-1375	496613	5587361	57730	18.6	-62.9	9.9	24	-76.3	22.6
2600	-1362.5	496608	5587372	57774	18.6	-55.1	13.1	24	-78.2	26.4
2600	-1350	496603	5587384	57769	18.6	-43.8	22.5	24	-77.3	31.8
2600	-1337.5	496598	5587395	57807	18.6	-20.5	27.8	24	-47.7	46.8
2600	-1325	496593	5587407	57821	18.6	0.3	42.9	24	-31	42
2600	-1312.5	496588	5587418	57817	18.6	-2.6	19.4	24	-15.5	35.9
2600	-1300	496584	5587430	57806	18.6	-4.3	16.7	24	-7.8	28.6
2600	-1287.5	496579	5587441	57798	18.6	-5.1	12.4	24	-4.9	24.9
2600	-1275	496574	5587452	57801	18.6	-6.9	14	24	-1.6	18.6
2600	-1262.5	496569	5587464	57803	18.6	-5.8	7.7	24	-0.1	16.4
2600	-1250	496564	5587475	57798	18.6	-3.6	8.5	24	3.8	12.3
2600	-1237.5	496559	5587487	57795	18.6	-2.9	6.7	24	4.5	11.9
2600	-1225	496554	5587498	57800	18.6	-1	5.3	24	7.3	11
2600	-1212.5	496549	5587510	57803	18.6	-1.9	3.4	24	7	8.5
2600	-1200	496544	5587521	57802	18.6	-1.9	4	24	6.6	8
2600	-1187.5	496539	5587533	57798	18.6	-3.1	4	24	4.3	8.5
2600	-1175	496534	5587544	57790	18.6	-3.1	3.9	24	1.4	8.8
2600	-1162.5	496529	5587556	57790	18.6	-4.6	3.9	24	1.6	8.9
2600	-1150	496524	5587567	57788	18.6	-4	2.2	24	-1.3	10.9
2600	-1137.5	496519	5587579	57791	18.6	-5.3	4.4	24	-2.5	11.6
2600	-1125	496514	5587590	57793	18.6	-5.9	4.1	24	-3.3	12.1
2600	-1112.5	496509	5587602	57798	18.6	-5.8	3.7	24	-4.1	13.5
2600	-1100	496504	5587613	57799	18.6	-6.6	3.9	24	-4.5	12.5
2600	-1087.5	496499	5587625	57800	18.6	-6	3.3	24	-5.7	12.6
2600	-1075	496494	5587636	57801	18.6	-6.5	2.4	24	-5.1	11.7
2600	-1062.5	496489	5587648	57800	18.6	-5.5	2.9	24	-3.9	11.1
2600	-1050	496484	5587659	57799	18.6	-6.5	1.9	24	-2.7	9.2

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2600	-1037.5	496479	5587671	57799	18.6	-6	3.1	24	-1.4	8.4
2600	-1025	496475	5587682	57799	18.6	-4.9	2.5	24	-0.1	7.1
2600	-1012.5	496470	5587693	57792	18.6	-3.8	1.5	24	1.2	6.9
2600	-1000	496465	5587705	57783	18.6	-1.2	1.9	24	0.2	5.5
2600	-987.5	496460	5587716	57779	18.6	-1.8	0.9	24	0.2	6.1
2600	-975	496455	5587728	57779	18.6	-2.7	0.7	24	-0.1	3.7
2600	-962.5	496450	5587739	57778	18.6	-1.8	1.8	24	-2	5.9
2600	-950	496445	5587751	57779	18.6	-0.3	1.4	24	-3.5	6.2
2600	-937.5	496440	5587762	57784	18.6	-0.8	0.5	24	-4.6	6.8
2600	-925	496435	5587774	57785	18.6	-2.4	2.2	24	-5.6	4.6
2600	-912.5	496430	5587785	57784	18.6	0	2.1	24	-6.7	5.5
2600	-900	496425	5587797	57792	18.6	-0.9	1.4	24	-7.3	4.5
2600	-887.5	496420	5587808	57797	18.6	2.2	0.9	24	-5.4	3
2600	-875	496415	5587820	57794	18.6	5.8	-0.6	24	-1.9	3.1
2600	-862.5	496410	5587831	57794	18.6	7.9	-2.7	24	2.2	3.5
2600	-850	496405	5587843	57796	18.6	10.1	-0.8	24	5.3	2.1
2600	-837.5	496400	5587854	57798	18.6	9.4	0	24	7.2	1
2600	-825	496395	5587866	57803	18.6	9.9	2.8	24	6.1	-0.6
2600	-812.5	496390	5587877	57805	18.6	10.5	5.6	24	4.7	-0.4
2600	-800	496385	5587889	57800	18.6	9.2	10.5	24	3.6	-2.4
2600	-787.5	496380	5587900	57796	18.6	9.1	15	24	2.3	-1
2600	-775	496375	5587912	57796	18.6	9	22.7	24	0.3	-0.4
2600	-762.5	496370	5587923	57798	18.6	8.2	24.8	24	0	-1.9
2600	-750	496366	5587934	57795	18.6	8.3	30.3	24	-0.1	2.8
2600	-737.5	496361	5587946	57779	18.6	6.9	35.9	24	-0.9	0.5
2600	-725	496356	5587957	57774	18.6	4	38.8	24	-1.8	-1.1
2600	-712.5	496351	5587969	57777	18.6	4.5	42.4	24	-1.2	-1.9
2600	-700	496346	5587980	57783	18.6	2.2	44.4	24	-1.6	-3.6
2600	-687.5	496341	5587992	57787	18.6	0.1	46.8	24	0.3	-4
2600	-675	496336	5588003	57791	18.6	-2.9	50.6	24	2.1	-7.8
2600	-662.5	496331	5588015	57800	18.6	-4.9	51.9	24	6.4	-9.8
2600	-650	496326	5588026	57805	18.6	-7	53.7	24	10.6	-12
2600	-637.5	496321	5588038	57802	18.6	-9	55.7	24	14.9	-14
2600	-625	496316	5588049	57819	18.6	-12.6	60.1	24	21.4	-16
2600	-612.5	496311	5588061	57818	18.6	-13.4	62.4	24	31	-15.1
2600	-600	496306	5588072	57807	18.6	-18.5	63.6	24	40	-11.2

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2600	-587.5	496301	5588084	57826	18.6	-20	66.7	24	54.3	-4.5
2600	-575	496296	5588095	57821	18.6	-14.9	70.6	24	66.6	5.7
2600	-562.5	496291	5588107	57813	18.6	-4.8	63.7	24	74.6	12.3
2600	-550	496286	5588118	57832	18.6	7.5	54	24	82.3	13.3
2600	-537.5	496281	5588130	57899	18.6	18.6	38.3	24	74.7	2.5
2600	-525	496276	5588141	57964	18.6	21.3	30.1	24	67.3	-2.4
2600	-512.5	496271	5588153	58003	18.6	22	27.7	24	58.1	-8.3
2600	-500	496266	5588164	57938	18.6	19	27.4	24	50.8	-11.6
2600	-487.5	496262	5588175	57869	18.6	14.9	28	24	41.3	-13.1
2600	-475	496257	5588187	57838	18.6	11	31.3	24	36.4	-14.3
2600	-462.5	496252	5588198	57815	18.6	5.3	34.4	24	31.1	-12.5
2600	-450	496247	5588210	57807	18.6	-0.7	40.5	24	25.8	-13.4
2600	-437.5	496242	5588221	57797	18.6	-8.5	47.3	24	20.8	-13.2
2600	-425	496237	5588233	57791	18.6	-15.2	49.7	24	13	-10
2600	-412.5	496232	5588244	57786	18.6	-24.1	55.7	24	7.5	-7.1
2600	-400	496227	5588256	57800	18.6	-33.1	62.5	24	0.2	-6.4
2600	-387.5	496222	5588267	57805	18.6	-42.9	73.8	24	-6.5	-5.6
2600	-375	496217	5588279	57801	18.6	-49.8	77.5	24	-10.6	-2.5
2600	-362.5	496212	5588290	57803	18.6	-55.3	95	24	-14.7	-4
2600	-350	496207	5588302	57809	18.6	-66.8	98.3	24	-19	-3.5
2600	-337.5	496202	5588313	57818	18.6	-74.8	119.3	24	-23.8	-4.5
2600	-325	496197	5588325	57819	18.6	-78.1	133	24	-29.1	-8.1
2600	-312.5	496192	5588336	57814	18.6	-63.6	156.8	24	-30.7	-11.9
2600	-300	496187	5588348	57796	18.6	-52.6	160.6	24	-30.3	-12.7
2700	-1700	496834	5587102	57792	18.6	-2.7	9.9	24	-3.8	0.3
2700	-1687.5	496829	5587113	57798	18.6	-4.3	7.4	24	-4.2	-1.2
2700	-1675	496824	5587125	57798	18.6	-2.7	6.9	24	-4.2	-2.5
2700	-1662.5	496819	5587136	57795	18.6	-2.2	5.3	24	-3.4	-2.8
2700	-1650	496814	5587148	57788	18.6	-1	0.9	24	-2.8	-5.1
2700	-1637.5	496809	5587159	57772	18.6	0.5	0.2	24	-3.1	-5.2
2700	-1625	496804	5587171	57772	18.6	1.4	0.3	24	-3.4	-3.5
2700	-1612.5	496799	5587182	57772	18.6	1.9	-2.7	24	-2.2	-4.8
2700	-1600	496794	5587194	57771	18.6	1.3	-3.7	24	-0.5	-7.8
2700	-1587.5	496789	5587205	57778	18.6	2	-5.2	24	-0.3	-8.8
2700	-1575	496784	5587217	57790	18.6	3.8	-4.5	24	3.5	-11.6
2700	-1562.5	496779	5587228	57793	18.6	7.9	-7	24	8.5	-14.3

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2700	-1112.5	496596	5587653	57800	18.6	25.3	-2.8	24	56.8	-12.8
2700	-1100	496591	5587664	57800	18.6	20.2	-4.5	24	55.1	-13.7
2700	-1087.5	496586	5587676	57801	18.6	17	-5	24	53	-13
2700	-1075	496581	5587687	57801	18.6	10	-3.8	24	48.1	-15.1
2700	-1062.5	496576	5587699	57797	18.6	7.1	-4.6	24	44.7	-15.9
2700	-1050	496571	5587710	57789	18.6	4.6	-2.2	24	38.9	-15.8
2700	-1037.5	496566	5587722	57792	18.6	0	-2.2	24	34.7	-18.6
2700	-1025	496561	5587733	57799	18.6	-0.6	-0.9	24	30.6	-18.4
2700	-1012.5	496556	5587745	57805	18.6	-2.3	-2	24	26.2	-20
2700	-1000	496551	5587756	57804	18.6	-2.5	0.1	24	23.4	-19.1
2700	-987.5	496547	5587768	57799	18.6	-0.5	2.6	24	20.3	-17.3
2700	-975	496542	5587779	57795	18.6	-1.6	2.1	24	20.2	-17.3
2700	-962.5	496537	5587791	57793	18.6	-0.6	3.2	24	19	-15.3
2700	-950	496532	5587802	57789	18.6	0.2	4.2	24	18.8	-14.1
2700	-937.5	496527	5587813	57774	18.6	1.3	4.7	24	18.3	-12.2
2700	-925	496522	5587825	57762	18.6	-1.2	7.2	24	17	-10.2
2700	-912.5	496517	5587836	57769	18.6	-3.5	6.8	24	15.8	-9.9
2700	-900	496512	5587848	57779	18.6	-4.7	7.5	24	12.4	-7.9
2700	-887.5	496507	5587859	57773	18.6	-5	6.4	24	10.2	-8.5
2700	-875	496502	5587871	57769	18.6	-5	7.2	24	7.8	-7.1
2700	-862.5	496497	5587882	57775	18.6	-6.3	7.3	24	6.2	-6.7
2700	-850	496492	5587894	57781	18.6	-7.3	8.2	24	4.8	-6.4
2700	-837.5	496487	5587905	57786	18.6	-7.4	8.4	24	5.3	-7.1
2700	-825	496482	5587917	57786	18.6	-6.6	8.1	24	7.7	-7.7
2700	-812.5	496477	5587928	57778	18.6	-4.3	8.6	24	10.7	-6.6
2700	-800	496472	5587940	57772	18.6	-4.1	8.8	24	13.1	-7.7
2700	-787.5	496467	5587951	57767	18.6	-3.1	8.8	24	14	-4.6
2700	-775	496462	5587963	57764	18.6	-5.5	9.3	24	15.2	-6.6
2700	-762.5	496457	5587974	57769	18.6	-4.2	8.3	24	14.1	-4.5
2700	-750	496452	5587986	57775	18.6	-7.4	8.8	24	11.8	-6
2700	-737.5	496447	5587997	57773	18.6	-8.6	8.5	24	10.2	-6
2700	-725	496442	5588009	57770	18.6	-9	8.5	24	7.9	-5.4
2700	-712.5	496438	5588020	57767	18.6	-10.4	7.6	24	6.6	-3.6
2700	-700	496433	5588032	57774	18.6	-10.3	8.8	24	6.3	-3.2
2700	-687.5	496428	5588043	57781	18.6	-11.1	7	24	6.6	-2.2
2700	-675	496423	5588055	57789	18.6	-12.2	7.4	24	5.5	-1.6

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2700	-662.5	496418	5588066	57792	18.6	-11.4	3.9	24	6.3	-0.1
2700	-650	496413	5588077	57798	18.6	-12.6	1.7	24	5.7	-0.1
2700	-637.5	496408	5588089	57804	18.6	-11.5	-1.8	24	3.2	2.5
2700	-625	496403	5588100	57804	18.6	-11.5	-2.7	24	1.9	2.8
2700	-612.5	496398	5588112	57802	18.6	-12.1	-8.4	24	1.2	5.1
2700	-600	496393	5588123	57804	18.6	-13.2	-10.3	24	1.6	5
2700	-587.5	496388	5588135	57802	18.6	-14.2	-11.7	24	0.4	6.5
2700	-575	496383	5588146	57802	18.6	-16.4	-9.7	24	-0.4	8.9
2700	-562.5	496378	5588158	57806	18.6	-21.5	-10.2	24	0.1	9.5
2700	-550	496373	5588169	57807	18.6	-30.4	-4.3	24	2.4	10.7
2700	-537.5	496368	5588181	57806	18.6	-38.8	0.7	24	10.7	18.3
2700	-525	496363	5588192	57807	18.6	-11.7	-11.2	24	-12.2	13.5
2700	-512.5	496358	5588204	57812	18.6	13.5	-29.9	24	-34.9	4.3
2700	-500	496353	5588215	57818	18.6	-0.3	-29.4	24	-20.6	8.5
2700	-487.5	496348	5588227	57822	18.6	-5.5	-28.5	24	-13.4	9.8
2700	-475	496343	5588238	57828	18.6	-7.4	-29.5	24	-7.6	9.6
2700	-462.5	496338	5588250	57833	18.6	-6.9	-31.9	24	-5.1	9
2700	-450	496333	5588261	57841	18.6	-5.2	-35.6	24	-1.6	7.1
2700	-437.5	496329	5588273	57843	18.6	-1.9	-38.6	24	0.4	6.2
2700	-425	496324	5588284	57838	18.6	0.8	-42.1	24	2.3	4.7
2700	-412.5	496319	5588296	57830	18.6	3.8	-45.1	24	3.2	1.8
2700	-400	496314	5588307	57820	18.6	6.5	-47.8	24	2.4	1.8
2700	-387.5	496309	5588318	57815	18.6	10.5	-49	24	2	0.4
2700	-375	496304	5588330	57817	18.6	15.8	-52.5	24	2.2	0.1
2700	-362.5	496299	5588341	57823	18.6	20.5	-55.7	24	1.8	-2
2700	-350	496294	5588353	57836	18.6	24.5	-59.7	24	1.8	1.3
2700	-337.5	496289	5588364	57851	18.6	32.2	-61.8	24	2.7	-0.8
2700	-325	496284	5588376	57870	18.6	38.5	-67	24	2.4	0.5
2700	-312.5	496279	5588387	57855	18.6	36.3	-78.5	24	1.2	2.4
2700	-300	496274	5588399	57797	18.6	43.7	-78.4	24	-0.3	3.9
2700	-287.5	496269	5588410	57753	18.6	42.4	-84.3	24	-3.5	5.5
2700	-275	496264	5588422	57740	18.6	39.1	-84.6	24	-5.7	6.2
2700	-262.5	496259	5588433	57735	18.6	39.9	-90.2	24	-9.2	7.3
2700	-250	496254	5588445	57727	18.6	43.2	-89.9	24	-14.2	8.3
2700	-237.5	496249	5588456	57717	18.6	45.7	-94.8	24	-19.1	7.5
2700	-225	496244	5588468	57717	18.6	55.2	-94.2	24	-29.4	7.4

LINE #	STATION	EASTING	NORTHING	TOTAL FIELD	FREQUENCY	INPHASE	OUTPHASE	FREQUENCY	INPHASE	OUTPHASE
2700	-212.5	496239	5588479	57710	18.6	43.4	-113	24	-40	5.2
2700	-200	496234	5588491	57699	18.6	44.7	-118.2	24	-54.6	-1.4

Appendix II: MMI Soil Geochemical Survey, O'Sullivan Lake Project

**MMI Soil Geochemical Survey
O'Sullivan Lake Project
Ontario**

prepared for

**Superior Canadian Resources Inc.
Calgary AB**

by

**Daniel A. Beauchamp, P.Geol., M.B.A.
Consulting Geologist**

Longitude:	87°02'30"W
Latitude:	50°26'30"N
NTS:	42L06
Province:	Ontario
Date:	15 November 2008

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Summary

A soil survey was carried out on the Kowkash area of the O'Sullivan Lake project. The project is located about 80 km north of Geraldton in the Thunder Bay Mining District. Access is by road to the property, and then by boat to the east side of the lake.

A total of 196 samples were collected along six grid lines at a line spacing of 100m in an area underlain by Archean volcanic rocks intruded by Archean granodiorite and feldspar porphyry that was later intruded by Proterozoic diabase.

The samples are processed by simply adding a solution of ligands to the sample and the solution is analyzed for 40 elements by ICP-MS.

The results show a range of values for most elements. Values for gold, copper, silver and cobalt were examined and found to be highly variable from line to line and were difficult to interpret. The correlation coefficients between these elements are very low but the correlation coefficients among rare earth elements are very high.

Because of the inconsistent results from line to line, and of the highly variable values and poor correlation among the elements studied, the data is of not helpful in delineating exploration targets in this area.

Property Description and Location

The O'Sullivan Lake Property, located in northwestern Ontario in the Thunder Bay Mining District, in NTS 42L06 at about longitude 87°02'30"W and latitude 50°26'30"N (Figure 1).

Access to the property from Geraldton is by road about 62 km north along Highway 584 and then about 50 km northwest of Nakina along Highways 584 and 643 (Figure 2).

From the west shore of O'Sullivan Lake a boat can be used to access the Kowkash area where the field work was carried out.

The O'Sullivan property consists of 27 mineral claims and a group of patented claims (Figure 3). The Kowkash area is located mostly in claims 1242501 and 3012082.

Work performed

The field work was carried out from September 22 to September 26, 2006 and the samples were shipped to the laboratory in Toronto.

The work was carried out in the field under the supervision of Mike Young, M.Sc. and by Dave Christianson of Thunder Bay. The samples were submitted for Mobile Metal Ions analysis to SGS Laboratories in Toronto.

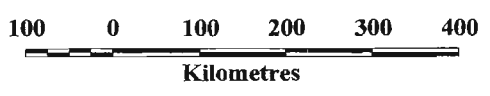


**O'Sullivan Project
Gold-Copper Prospect**

**Thunder
Bay**

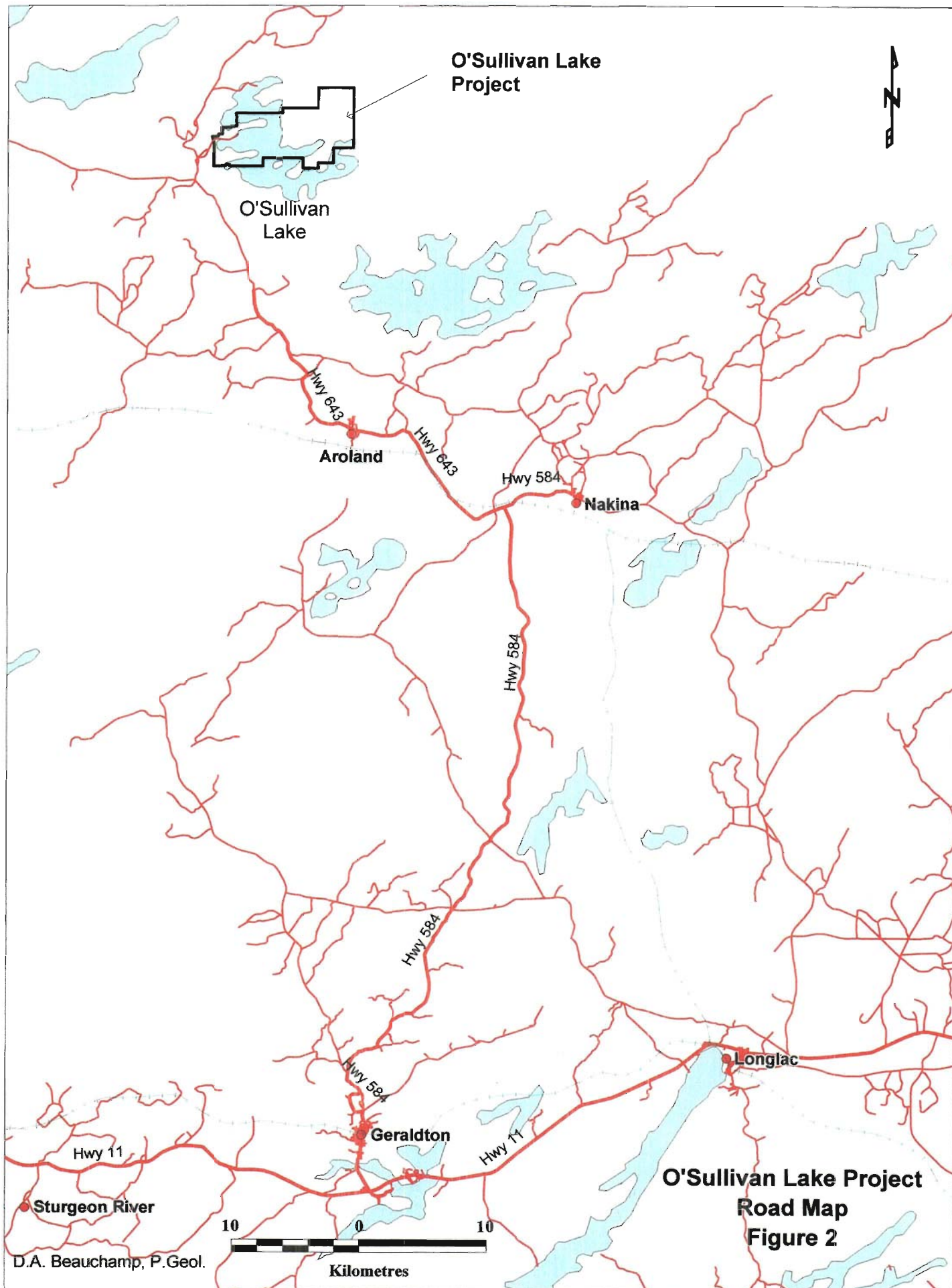
Toronto

**Roads
Railroads**



Superior Canadian Resources Inc.	
O'Sullivan Area Gold - Copper Prospect	
Northern Ontario	
By: D.A. Beauchamp	Figure: 1

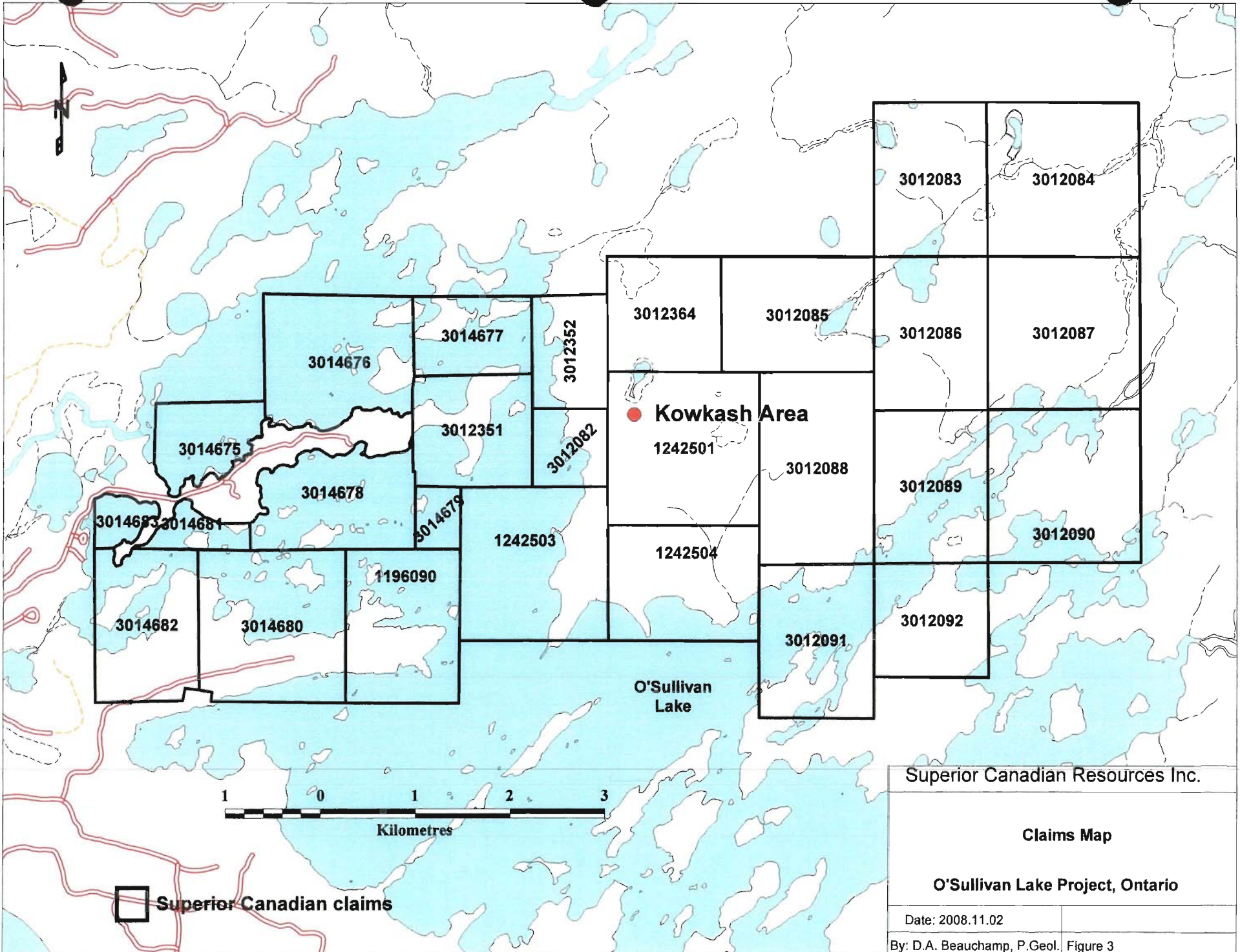
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Figure 1



D.A. Beauchamp, P.Geol.

O'Sullivan Lake Project
Road Map
Figure 2

*Patrick
Beauchamp*



Notes
1

 Superior Canadian claims

Superior Canadian Resources Inc.

Claims Map

O'Sullivan Lake Project, Ontario

Date: 2008.11.02

By: D.A. Beauchamp, P.Geol. Figure 3

Background on Mobile Metal Ions

The procedure for the analysis of mobile metal ion is based on a description from the SGS Minerals Services website, the laboratory company that has been performing MMI (Mobile Metal Ions) analyses for ten years. The technology is an exploration geochemical method for discovering mineral deposits that are covered by overburden.

The MMI Technology is a geochemical process that extracts mobile metal ions from the soil samples using weak solutions of organic and inorganic compounds called ligands, instead of the acid- or cyanide-based solutions that are used in conventional analysis.

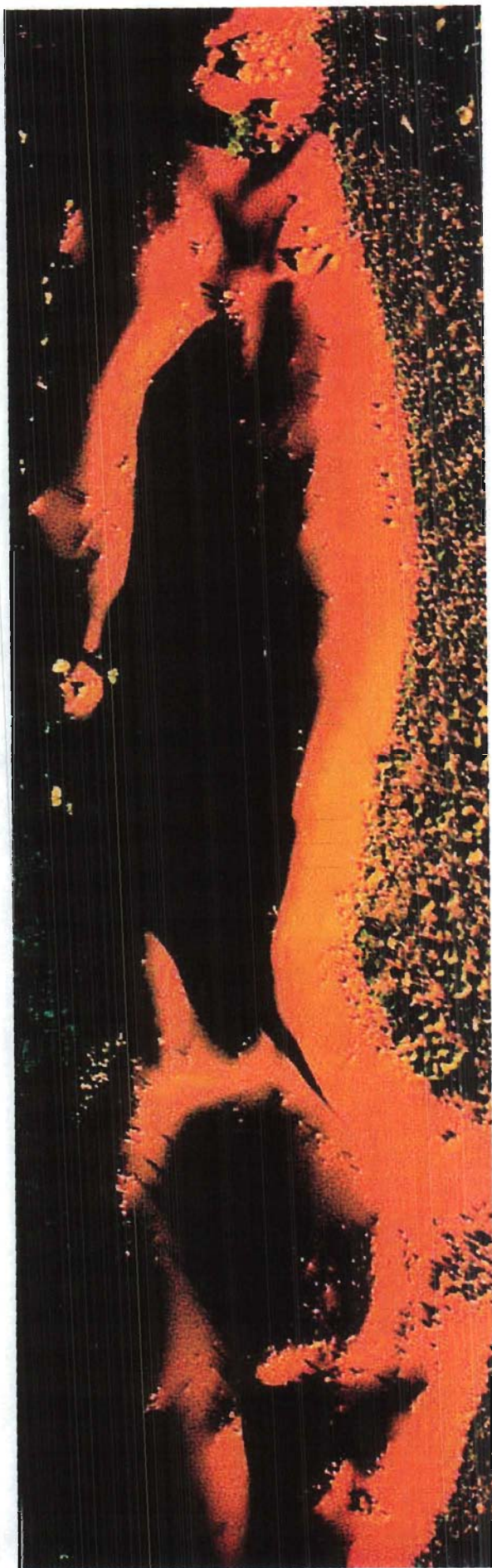
MMI solutions contain strong ligands that are used to separate and place in solution metal ions loosely bound to soil particles by weak atomic forces. The solutions are formulated to avoid dissolving the forms of the metals that are more strongly bound. The metal ions held in solution are therefore the chemically active or 'mobile' component. These mobile forms occur in very low concentrations and are measurable by ICP-MS (Inductively coupled plasma mass spectroscopy).

The MMI process includes a specific soil sample collection procedure. At the Kowkash area of the O'Sullivan Lake project, samples were collected at standard depths of 45-60 cm and full sample descriptions were made in the field at the time of collection. The samples were placed in plastic self-closing bags from material that has not been in contact with metal tools to avoid possible contamination.

During processing, the samples are not processed, prepared or dried. The solution of ligands is added to a soil sample weighing 50g and the extracted solution is analysed by ICP-MS (Inductively coupled plasma mass spectroscopy) for specific elements giving most results in parts per billion.

For this program SGS Minerals Services' MMI-M Multi-Element Package was selected resulting in the analysis of the following elements: Cu, Cd, Pb, Zn, Au, Pd, Co, Ni, U, Nb, Rb, Y, Ba, La, Ta, Ce, Pr, Nb, Sm, Gd, Tb, Er, Yb, Ti, Zr, Ca, Mg, Al, Sc, Th, Li, Fe, As, Sb, Bi, Tl, W, Sn, Mo, and Te.

From the field, the samples were shipped to Thunder Bay where they were packaged and sent by truck to SGS Minerals Services' laboratory in Toronto.



SGS

**Mobile
Metal Ion
Chemistry**

**“Last Frontiers in
Soil Geochemistry”**

Mobile Metal Ion

mmi
TECHNOLOGY

What is MMI Technology® ?

The MMI Technology is an innovative geochemical process that uses a very different approach to the analysis of metals in soils and weathered materials. It involves sample attack using extremely weak solutions of organic and inorganic compounds rather than the conventional aggressive acid digest solutions or fusions. Conventional techniques digest soil substrates releasing metals that are chemically bound by strong atomic forces, either to each other or within and to the clay and other minerals and particles in the soil sample. In contrast to this MMI extractants, containing strong ligands, are used to detach and hold in solution metal ions which are loosely bound to soil particles by weak atomic forces. The extractants are so as to avoid dissolving the bound forms of the metals. The metal ions held in solution are therefore the chemically active or 'mobile' component. These mobile forms occur in very low concentrations that are readily measurable by modern ICP-MS analytical instrumentation with considerable precision, provided that the solution delivered to the machine is very dilute. MMI extractants meet these criteria particularly well.

The mechanism of formation of MMI anomalies has been the subject of industry and government sponsored research between 1993 and 1997 at the Geochemistry Research Centre in Perth, Western Australia. Under the auspices of the Minerals and Energy Research Institute of Western Australia, this research has led to an improved understanding of how MMI soil geochemical anomalies form, for a wide range of weathered materials, climatic conditions and countries. Together with the results of many hundreds of unpublished case studies and exploration programs, this work suggests that metal ions are released from mineral deposits by oxidation process at depth, migrate essentially vertically and concentrate in the soil profile close to the surface, overlying their source. These 'mobile ion' anomalies are interpreted as the pre-cursors to the conventional or 'bound' geochemical responses that form broader patterns, usually with lower anomaly-to-background resolution, and in some cases transported from the primary source. By deliberately targeting only the recently arrived or mobile forms of metal elements, prior to chemical binding and their chemical and physical dispersion over the landscape, MMI analyses give a more focussed geochemical expression of buried mineralisation, even in many types of transported overburden at low detection levels.

MMI Technology offers proprietary extractants. "MMI-A" is a weakly buffered acidic leach for soil analysis for copper, lead, zinc and cadmium. "MMI-B" is a weakly buffered alkaline leach for soil analysis for gold, silver, nickel, cobalt and palladium. "MMI-F" (pathfinders) measures arsenic, antimony, mercury, molybdenum, selenium and iron. Special extractants for kimberlites, "MMI-D", analyses for nickel, cobalt, palladium, niobium, chrome, magnesium, caesium, rubidium and yttrium (lithochemical discriminators). "MMI-G" analyses for pegmatophile elements, specifically uranium, thorium, lead, tantalum, tin, tungsten and lithium. "MMI-C" was developed for base metal analysis in highly alkaline soils and "MMI-L" is designed for precious metals in super absorbent and saline samples e.g. for exploration over salt lakes, black soils and humus rich terrains. "MMI-M" is a new, single multi-element leach that now provides an option to measure the concentration of a broad selection of mobile elements in soils. With MMI-M, explorers can now create their own individual multi-element packages, using any or all of commodity elements, diamond host rock elements, lithological elements and pathfinder elements.

The technology is licensed to two of the largest analytical laboratories in Australia (ALS Chemex) and Canada (SGS Group) respectively. Both have global operations capable of providing the required analytical performance and logistical service required.

Development of MMI Technology®

MMI Technology was first made available to the exploration industry research sponsors in 1992. By 1994 it had been tested at over 74 different base metal or gold deposits with remarkable success (Mann et al., 1995). Sharp and responsive commodity metal anomalies over concealed deposits of copper, lead, zinc, nickel and gold were defined at all but 10 of these 74 sites, which occur in a range of geographical environments, from arid to high rainfall, and including deeply weathered terrains and areas covered by transported overburden. This is a success rate of 86%. The success rate of conventional soil geochemistry has not been accurately measured but, given the common failure of total digest analysis in alluvial and aeolian cover, is significantly less, probably less than 20 percent.

In addition, an extensive set of applications research data from many hundreds of mines, deposits and exploration camps around the world has been accumulated. The success rate remains above 80 percent. Most of this data is confidential to the mining companies involved. However those that are in the public domain illustrate the application of the technology in a wide range of geological, geographical and climatic environments. Currently the technology is being applied in numerous countries world-wide, and several companies have published results of surveys in what are geochemically difficult terrains in respect of conventional geochemical methods.

The MMI Technology is particularly reliable and applicable in areas which have a well developed soil layer. In areas of certain Indonesian islands which are widely covered by metres of tephra, the technology has been tested at 28 sites of variable tenors of buried mineralisation defined by extensive drilling to about 150 metres depth (Fripp, 1999). The success rate for MMI was 90 percent. MMI gold results accurately located the site of the buried mineralisation at all the sites where it would rank as a resource. In particular it did not highly rank the weak and modest mineralisation which drilling had shown would not be sufficiently continuous or robust to warrant extensive drilling for a resource. This drilling was focussed at Total Digest gold-in-soil anomalies of similar strength to those at the strongly mineralised sites. Had MMI extractants been used initially the weakly mineralised sites would not have been drilled, leading to very significant cost savings. This is partly because the MMI Technology is not prone to the nugget effect responsible for the misleading Total Digest anomalies. The incidence of false anomalies is very significantly less than that for conventional soil geochemistry.

In Manitoba Province, Canada, the technology has successfully identified a new VMS style base metal prospect (Assean Lake Prospect), and a new gold camp (Hunt Gold Project) which is adjacent to the base metal mineralization (Fedikow, 2002). Drilling has successfully tested both. Key to these successes has been the development of reliable ultra low levels of detection, particularly for gold, that allows definition of natural backgrounds in transported or exotic overburden. Field trialing in highly transported surface environments has been undertaken and includes salt lakes in the Eastern Goldfields, WA and glaciated till covered terrains in Canada. This work has shown that it is now possible to identify the very low 'natural background' levels expected from geochemical data in highly transported soils, rather than 'machine imposed' background levels available previously. The data is robust, repeatable and now routinely available commercially and provides explorationists with a tool to explore more confidently in transported soil terrains.

Sampling is simple but critical for successful application. Soil samples MUST NOT be processed, simply placed in plastic bags, and they MUST be collected as an integrated 'channel' sample from 10-25cm below the organic-soil interface. Extensive research information and sampling instructions are available on the web page.

The Benefits of MMI Technology®

- **False and displaced anomalies** may occur, but their occurrence is statistically very low compared to conventional geochemistry, thereby reducing drilling costs. By careful planning and interpretation of MMI multi-element geochemistry exploration programmes, it is possible to understand and limit the effect of misleading anomalism;
- **Repeatability** is excellent. Repeat samples taken at any particular site have very limited variance, less than 15 percent in the case of gold;
- **Nugget effects** are minimised. The results of all experiments and applications to date has shown that analyses of mixed samples return values very close to the arithmetic average of the separate samples analysed prior to mixing. This makes interpretation of anomalism and the statistical treatment of data more reliable, and reduces the incidence of false anomalies. It also enhances the application of less costly and more reliable composite reconnaissance sampling;
- **Focussed anomalies**. Anomalies are commonly restricted and narrow, and tend to occur directly above buried primary mineralization, thus sharply defining the area of the drill target, and thus reducing the extent of early drilling programmes by approximately 30% to 50% compared to conventional geochemistry. Sampling is much more rapid and does not require auger drilling, so it is much more cost effective;
- **Zonation and metal associations**. MMI provides high-resolution data, which is capable of allowing the definition of metal zonation within buried deposits, lithochemical discrimination and specific metal associations, e.g. Zn and Cd in sphalerite, gold selvages on base metal hanging walls.
- **Deeply buried mineralisation** is detectable, as demonstrated in many orientation surveys. These surveys done over known deposits have readily detected deposits up to 700 metres below surface;
- **Background values are low**. MMI anomalism over any deposit or mineralisation is more strongly defined than the corresponding conventional anomalism, with *response ratios* of signal to background much greater than for conventional analysis;
- **Lower limits of detection** for all of the commodity metals analysed are at least an order of magnitude better than conventional geochemistry, that is one tenth the value, at a comparable to slightly cheaper commercial cost. Accordingly the technology is commonly applicable in leached, deeply weathered terrains, and in areas covered by transported overburden such as sheet-wash, wind-blown sand and glacial overburden, the regions for which conventional geochemistry usually cannot detect a chemical signal at surface;
- **MMI anomalies** are defined by the commodity metals being sought and the use of pathfinder metals is not required; and
- **At fault and shear zone positions** the MMI Technology is known to be able to identify elevated and not necessarily anomalous values of certain metals, particularly base metals. This is a no-cost additional benefit of applying the technology because together with geophysical imagery an improved picture of the bedrock geology may be possible, and structures which are "alive" with respect to commodity metals may be discriminated from those that are not.

Application of MMI Technology®

Application of the technology led to discoveries of economic gold mineralisation at the Golden Web Mine and of sub-economic mineralisation at the Forest Prospect, both near Coolgardie in Western Australia. At Nepean, also in Western Australia, MMI Technology was able to define the location of buried nickel mineralisation where conventional geochemistry was ineffective. All of the above deposits occur in arid and deeply weathered laterite terrain, and sample media included soils associated with sheet wash sands, laterite duricrust and degraded lateritic colluvium. In addition the Technology has successfully identified the location of buried gold mineralisation in laterite terrain which, rather than being arid, sparsely vegetated and of low relief like the gold fields of Western Australia, is the hilly, tropical humid jungle of Venezuela. This is the La Salle Prospect near Anococo.

In the rugged wet terrain of central west Scotland at Kilmelford, MMI Technology has identified and discriminated between related bedrock deposits of copper-gold and lead-zinc-silver. Outcrop at Kilmelford is less than 10% despite the rugged terrain and the media sampled was mainly boggy clays, peats and glacial sands. At the Hunt Lake Prospect in Manitoba, Canada and at the Night-Hawk Lake Prospect near the famous Timmins mining camp in Ontario, Canada, MMI technology has successfully identified copper-lead-zinc and gold-silver mineralisation. At these Canadian examples there is no outcrop, conventional geochemistry was completely ineffective, and the results of drilling to date show “ore-grade” mineralisation intercepts which have encouraged the companies to continue deep diamond drilling. The new discoveries are buried beneath up to 30 metres of glacial gravels, sands and lake clays, and the media sampled were mainly wet sandy soils with a high organic content. Recent new Canadian discoveries of gold include the Avalon Dubenski prospect and Hunt Gold Camp, details of which are on the website.

MMI Technology has also successfully located buried mineralisation beneath 70 metres of the desert gravels and sands in the Andean foothills of Argentina, near Mendoza, at the San Jorge prospect. Systematic soil sampling has identified an Au-Cu porphyry deposit. This study also defined the metal zonation typical of these very large deposits.

The technology has also proven to be a very successful, cost effective and practical surface reconnaissance method for diamond explorers. In Australia, Botswana and Canada companies have used surface MMI geochemistry to prioritise geophysical and topographic targets identified as prospective for buried diamond-bearing intrusive pipes and dykes. The technique not only has a success rate in excess of 93% for correctly identifying potential hosts, but it has discriminated between different phases and compositional variations of the buried intrusives.

Further information on the MMI Process, Research Results, Technical Bulletins and numerous Case Studies are available in Mann et al., (1995, 1998a and 1998b) and on the website at www.mmigeochem.com.

Analytical Performance

The analytical protocols developed for MMI extractions control many variables that normally constitute sources of error in other analytical methods, and enables the technique to achieve very high levels of precision and accuracy. All extractants are produced by WAMTECH from one location with strict control over the components used for manufacture. The performance of each is tested on standard soil samples prior to dispatch, to avoid any variation between the batches. All reagents have limited use-by dates and licenced laboratories undergo frequent QA/QC testing. Weights, volumes, temperature, time, viscosity and solubility are closely monitored and all equipment is used once and discarded to avoid cross contamination. The solutions have been specifically designed to optimize the ICP-MS/OES analytical method, and to present to the machine optimum analyte solutions for analysis thereby reducing interferences that can also introduce sources of error to the data. All solution development and testing is undertaken using routine ICP analyses at a commercial laboratory, thereby making new developments immediately available for industry application. Laboratories usually have specific staff dedicated to MMI work providing another level of continuity throughout the analytical process.

Reproducibility

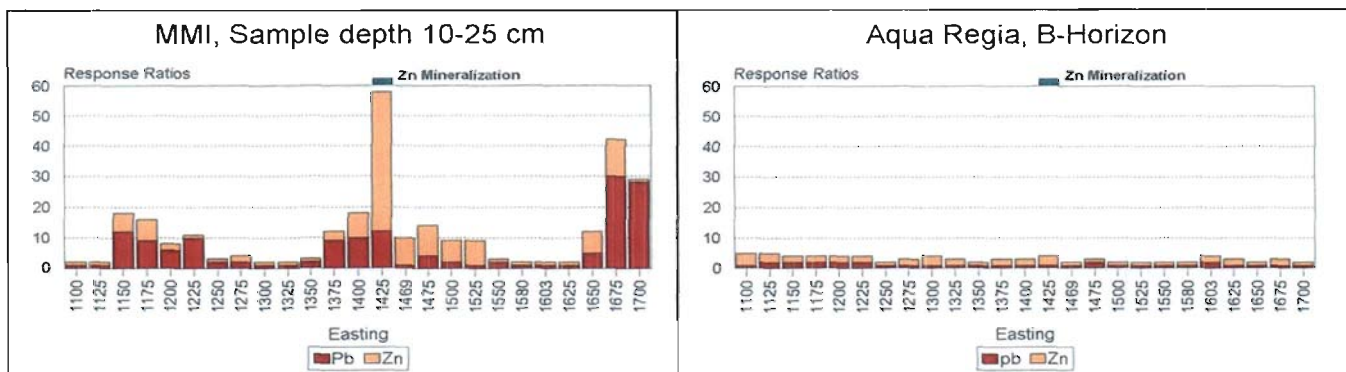
Numerous detailed studies have been undertaken to assess analytical reproducibility where repeat analysis of aliquot's of the same soil sample are tested and compared using the same analytical batch, and different analytical batches, over time. In both cases the technique has shown reproducibility characteristics as good and usually far better than total and other partial digest techniques (Mann et al, 1997, Reproducibility of data in the MMI Process).

Data from individual soil samples collected pre- and post rainfall at two field sites, one over blind Au mineralization and the other a barren control site, also showed excellent reproducibility (MMI Technical Bulletin TB04, Repeat Sampling Study, Mt Gibson, Western Australia).

Independent Comparisons

During the course of its development, many comparisons have been undertaken between MMI and many other techniques. Below are data reproduced from an independent study undertaken by CAMIRO over a Zn rich VMS deposit in Ontario, Canada. The full study can be obtained from CAMIRO or viewed on the MMI Web site.

CAMIRO – Crosslake Soil Study, Line 40W, Ontario, Canada. Comparison of Analytical techniques, Independent Report 8, 2001.



Till covered Zn mineralization at 35m.

Mobile Metal Ion



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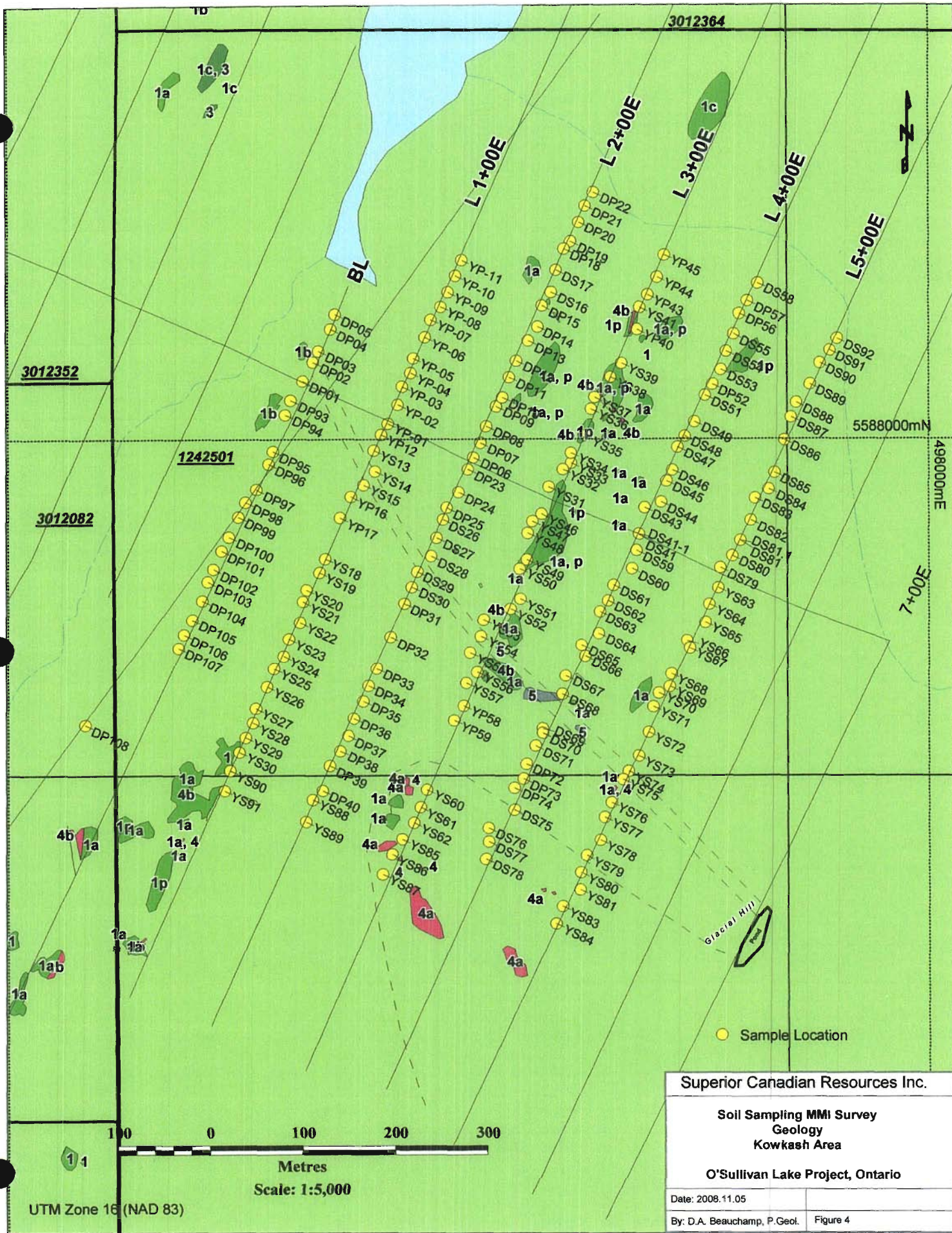
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Superior Canadian Resources Inc.

**Soil Sampling MMI Survey
Geology
Kowkash Area**

O'Sullivan Lake Project, Ontario

Date: 2008.11.05

By: D.A. Beauchamp, P.Geol. Figure 4

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Physiography

The terrain is generally low-lying, flat and somewhat swampy, with gentle slopes near the hills. There are few outcrops in the area and much of the terrain has a moderately thick cover of moss and peat with Labrador Tea and ferns. The trees consist of mostly conifers, mostly black spruce and a few cedars, and occasional white birch. A severe windstorm several years ago pushed caused some of the trees to fall over in an area called a blow down.

Geology

The area is underlain by mostly mafic volcanic rocks of Archean age that have been intruded by Archean granodiorite and feldspar porphyry (Figure 4). Later Proterozoic diabase is also present in the area.

Results

A total of 196 samples were collected on six grid lines at 100m line spacing over a period of three days by two soil samplers.

Of the elements analyzed, it was decided to concentrate on results for gold, copper, silver and cobalt. Since there is often a considerable amount of cobalt in pyrite, cobalt can usually give a good indication of the sulphide content present in the bedrock.

Gold

The cumulative frequency diagram for the distribution of gold in the samples shows a moderately good lognormal distribution (Figure 5). Using traditional statistical methods, a mean of 0.11 ppb Au is obtained. Using Folk statistics (Folk, 1980) the mean is 0.07 ppb Au, but the median value is equal to the calculated background level at 0.05 ppb Au (Table 1).

In MMI sampling the background level for each element is calculated by averaging all samples at or below the first quartile, or 25th percentile.

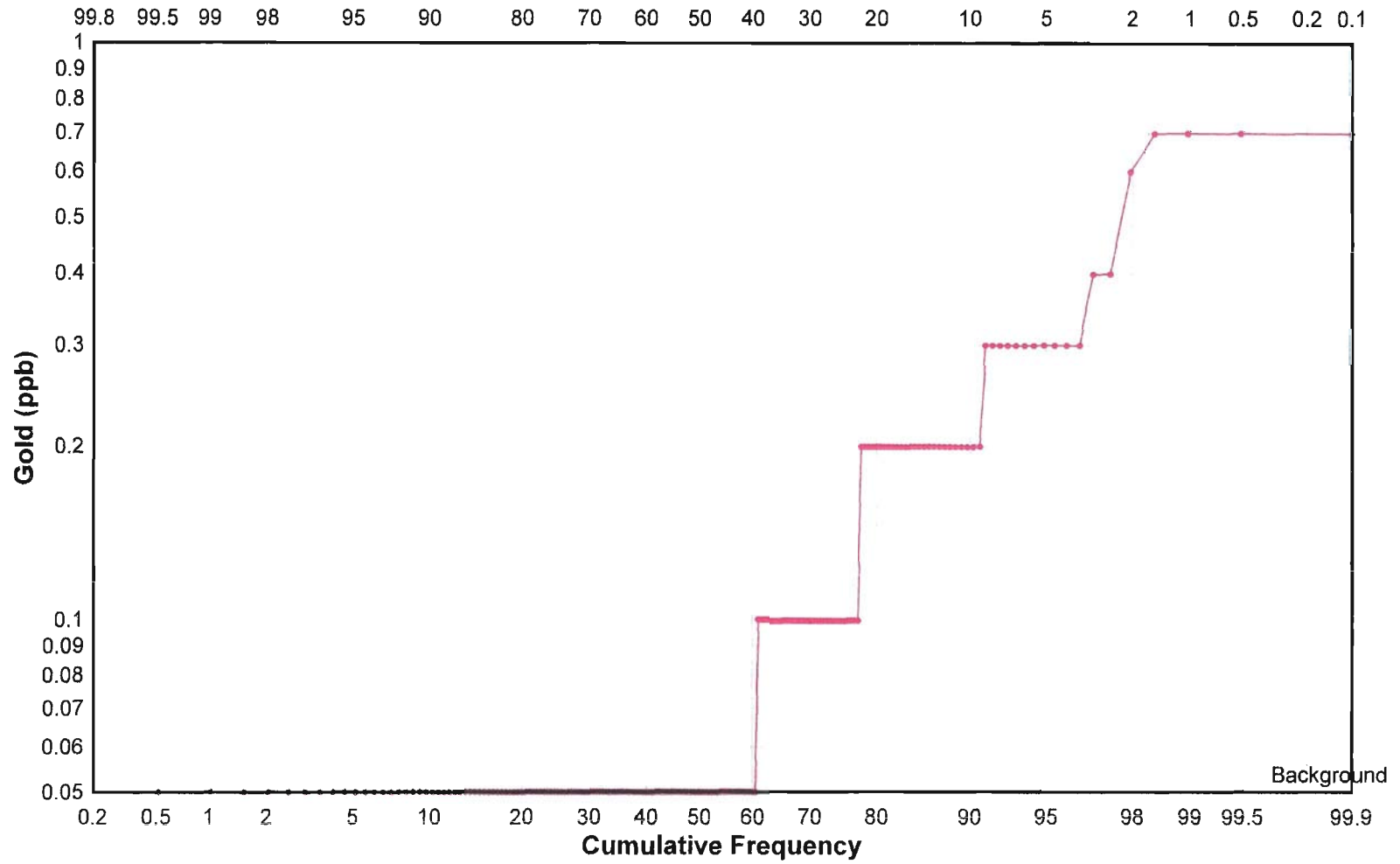
Copper

The cumulative frequency diagram for the distribution of copper in the samples shows a very good lognormal distribution, although the four highest samples from 8680 to 21,100 ppb may represent a separate anomalous population (Figure 6). Using traditional statistical methods we get a mean of 673.44 ppb Cu. With Folk statistics the mean is significantly lower at 250.13 ppm Cu, but the median value is 210 ppb Cu and the background level is set at 60.59 ppb Cu (Table 2).

Silver

For silver, the cumulative frequency diagram in the samples shows a moderately good lognormal distribution, but the last sample at 83 ppb Ag is definitely anomalous (Figure 7). Traditional statistical methods give a mean of 3.61 ppb Ag reducing to 2.50 ppb Ag using Folk statistics. The median value is 2 ppb Ag but the background level is calculated at 0.50 ppb Ag (Table 3).

Kowkash Area
MMI Survey
Gold
Figure 5



11/11/11

Table 1: Kowkash Area- MMI Survey

Gold, ppb

Statistics

mean	0.11	0 to ½ mean	0.00	0.06	15.70%
s.d.	0.11	½ mean to mean	0.06	0.11	50.00%
mean + 2 s.d.	0.33	mean to mean + 1 s.d.	0.11	0.22	68.30%
median	0.05	mean + 1 s.d. to mean + 2. s.d.	0.22	0.33	95.50%
maximum	0.7	mean + 2 s.d. to mean + 3. s.d.	0.33	0.44	99.73%
minimum	0.05	mean + 3 s.d. to mean + 4. s.d.	0.44	0.55	99.99%
count	195	mean + 4 s.d. to mean + 5. s.d.	0.55	0.65	

Folk

mean	0.07	0 to ½ mean	0.00	0.03	15.70%
s.d.	0.04	½ mean to mean	0.03	0.07	50.00%
mean + 2 s.d.	0.14	mean to mean + 1 s.d.	0.07	0.10	68.30%
median	0.05	mean + 1 s.d. to mean + 2. s.d.	0.10	0.14	95.50%
skewness	0.00	mean + 2 s.d. to mean + 3. s.d.	0.14	0.17	99.73%
kurtosis	1.23	mean + 3 s.d. to mean + 4. s.d.	0.17	0.21	99.99%
		mean + 4 s.d. to mean + 5. s.d.	0.21	0.24	

Folk Parameters

5.00%	0.05
16.00%	0.05
25.00%	0.05
50.00%	0.05 median
68.26%	0.10 + 1 s.d. (Folk)
75.00%	0.10
84.00%	0.20
95.44%	0.30 + 2 s.d. (Folk)
98.00%	0.61
99.74%	0.70 + 3 s.d. (Folk)
max	0.70
min	0.00 adjust

Percentiles

10%	0.05	
20%	0.05	
25%	0.05	1 quartile
30%	0.05	
40%	0.05	
50%	0.05	2 quartile
60%	0.05	
70%	0.10	
75%	0.10	3 quartile
80%	0.20	
90%	0.20	
100%	0.70	4 quartile

MMI

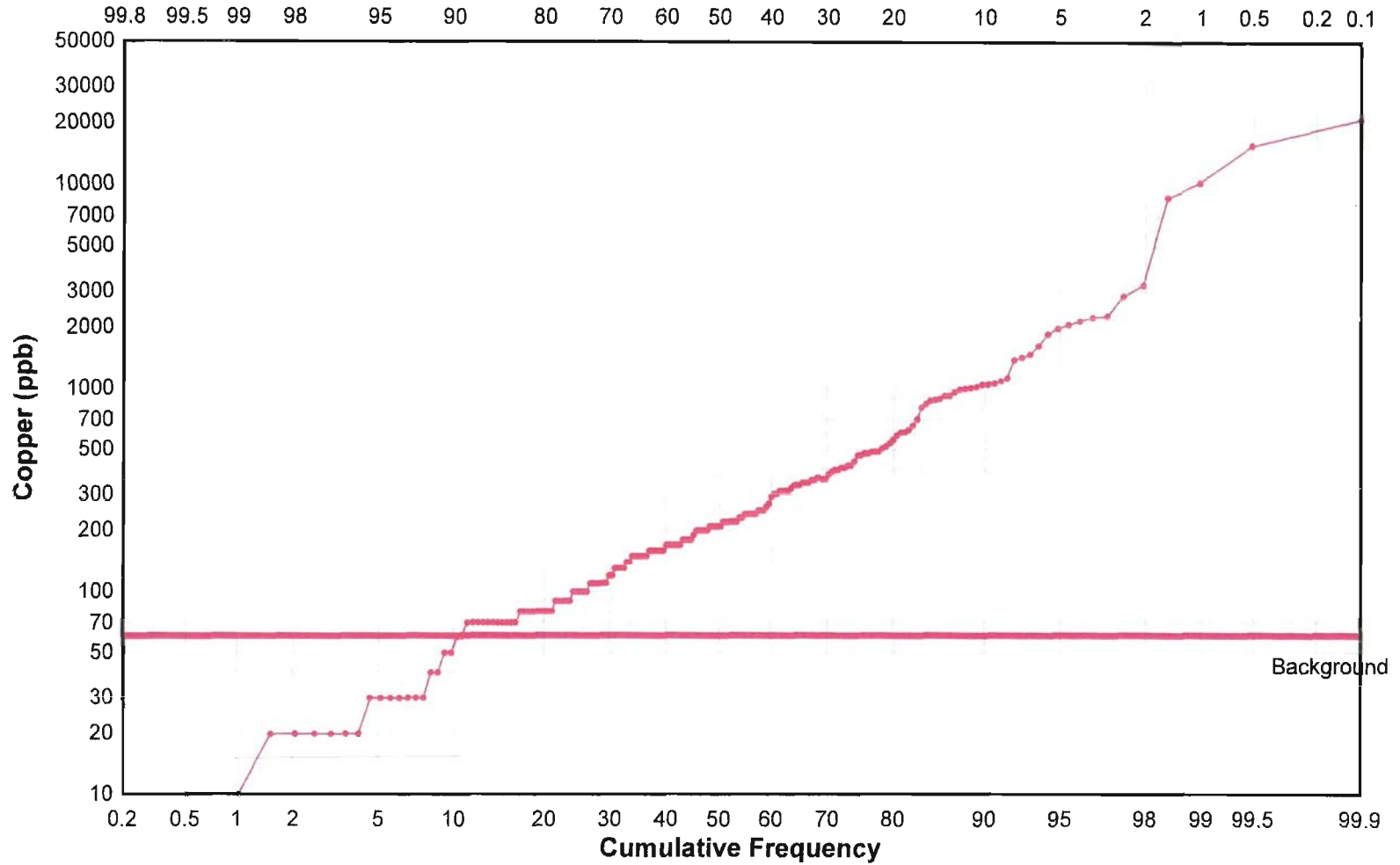
First quartile	0.05
Background	0.05

Kowkash Area

MMI Survey

Copper

Figure 6



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Table 2: Kowkash Area - MMI Survey

Copper, ppb

Statistics

mean	673.44	0 to ½ mean	0.00	336.72	15.70%
s.d.	1663.12	½ mean to mean	336.72	673.44	50.00%
mean + 2 s.d.	3999.67	mean to mean + 1 s.d.	673.44	2336.55	68.30%
median	210.00	mean + 1 s.d. to mean + 2 s.d.	2336.55	3999.67	95.50%
maximum	21100	mean + 2 s.d. to mean + 3 s.d.	3999.67	5662.79	99.73%
minimum	10	mean + 3 s.d. to mean + 4 s.d.	5662.79	7325.91	99.99%
count	195	mean + 4 s.d. to mean + 5 s.d.	7325.91	8989.03	

Folk

mean	250.13	0 to ½ mean	0.00	125.07	15.70%
s.d.	222.45	½ mean to mean	125.07	250.13	50.00%
mean + 2 s.d.	695.02	mean to mean + 1 s.d.	250.13	472.58	68.30%
median	210.00	mean + 1 s.d. to mean + 2 s.d.	472.58	695.02	95.50%
skewness	-0.13	mean + 2 s.d. to mean + 3 s.d.	695.02	917.47	99.73%
kurtosis	1.27	mean + 3 s.d. to mean + 4 s.d.	917.47	1139.92	99.99%
		mean + 4 s.d. to mean + 5 s.d.	1139.92	1362.36	

Folk Parameters

5.00%	30.00	
16.00%	70.40	
25.00%	100.00	
50.00%	210.00	median
68.26%	360.00	+ 1 s.d. (Folk)
75.00%	470.00	
84.00%	838.80	
95.44%	2083.82	+ 2 s.d. (Folk)
98.00%	3875.20	
99.74%	18376.24	+ 3 s.d. (Folk)
max	21100.00	
min	0.00	adjust

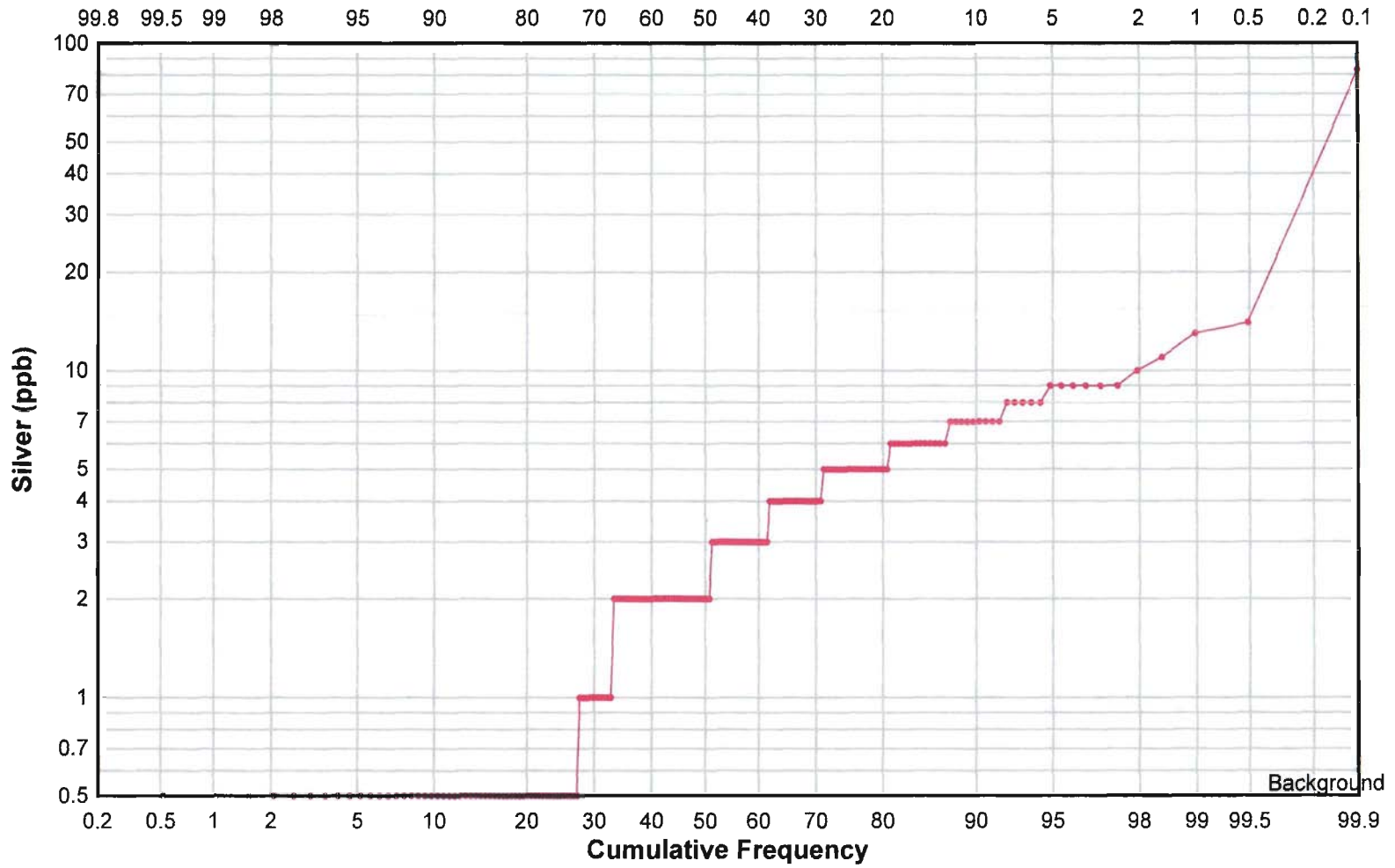
Percentiles

10%	60.00	
20%	80.00	
25%	100.00	1 quartile
30%	122.00	
40%	170.00	
50%	210.00	2 quartile
60%	294.00	
70%	376.00	
75%	470.00	3 quartile
80%	566.00	
90%	1050.00	
100%	21100.00	4 quartile

MMI

First quartile	100.00
Background	60.59

Kowkash Area
MMI Survey
Silver
Figure 7



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Table 3: Kowkash Area - MMI Survey

Silver, ppb

Statistics

mean	3.61	0 to ½ mean	0.00	1.80	15.70%
s.d.	5.19	½ mean to mean	1.80	3.61	50.00%
mean + 2 s.d.	13.99	mean to mean + 1 s.d.	3.61	8.80	68.30%
median	2.00	mean + 1 s.d. to mean + 2 s.d.	8.80	13.99	95.50%
maximum	83	mean + 2 s.d. to mean + 3 s.d.	13.99	19.19	99.73%
minimum	0.5	mean + 3 s.d. to mean + 4 s.d.	19.19	24.38	99.99%
count	195	mean + 4 s.d. to mean + 5 s.d.	24.38	29.57	

Folk

mean	2.50	0 to ½ mean	0.00	1.25	15.70%
s.d.	1.96	½ mean to mean	1.25	2.50	50.00%
mean + 2 s.d.	6.42	mean to mean + 1 s.d.	2.50	4.46	68.30%
median	2.00	mean + 1 s.d. to mean + 2 s.d.	4.46	6.42	95.50%
skewness	-0.06	mean + 2 s.d. to mean + 3 s.d.	6.42	8.38	99.73%
kurtosis	0.64	mean + 3 s.d. to mean + 4 s.d.	8.38	10.33	99.99%
		mean + 4 s.d. to mean + 5 s.d.	10.33	12.29	

Folk Parameters

5.00%	0.50
16.00%	0.50
25.00%	0.50
50.00%	2.00 median
68.26%	4.00 + 1 s.d. (Folk)
75.00%	5.00
84.00%	6.00
95.44%	9.00 + 2 s.d. (Folk)
98.00%	10.12
99.74%	48.20 + 3 s.d. (Folk)
max	83.00
min	0.00 adjust

Percentiles

10%	0.50	
20%	0.50	
25%	0.50	1 quartile
30%	1.00	
40%	2.00	
50%	2.00	2 quartile
60%	3.00	
70%	4.00	
75%	5.00	3 quartile
80%	5.00	
90%	7.00	
100%	83.00	4 quartile

MMI

First quartile	0.50
Background	0.50

Cobalt

The cumulative frequency diagram for the distribution of cobalt in the samples shows a very good lognormal distribution (Figure 8). Traditional statistical methods give a mean of 24.82 ppb Co reducing to 15.33 ppb Co using Folk statistics. The median value is 12.00 ppb Co but the background level is set at 2.50 ppb Co (Table 4).

Interpretation

Interpretation of MMI data is best made by plotting the Response Ratio of each element as profiles. The Response Ratio is calculated by dividing the actual value of each element by the background value for the element. As described above, the background value is calculated by averaging the result for all samples less than the 25th percentile. The response ratios for each element can then be stacked along the profiles to determine the highest cumulative Response Ratio.

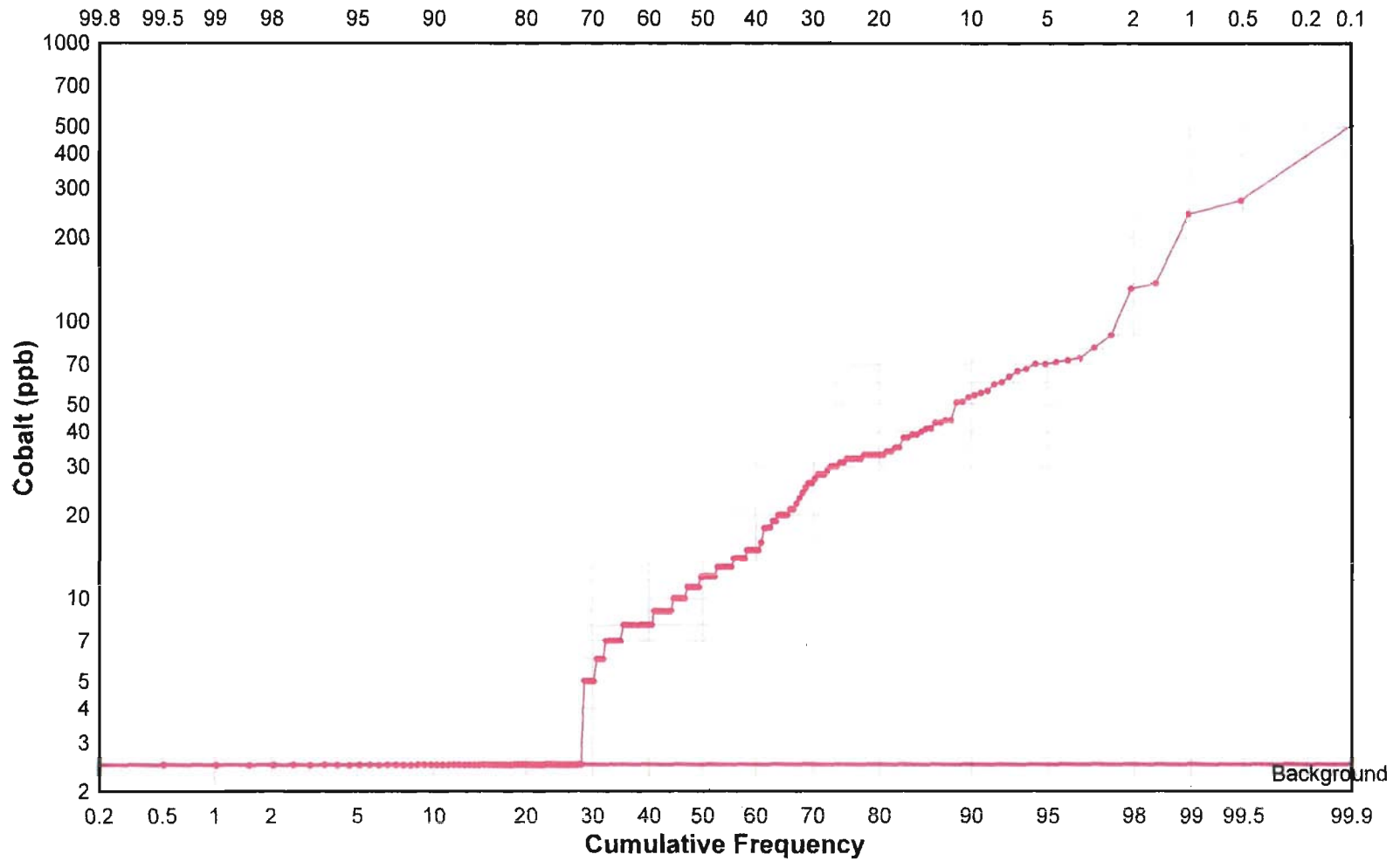
The data is plotted in Figures 9-20, each grid line split into two, for north and south sections. The sample spacing is approximate along the graphs.

The data shows considerable variation in the response ratios for each element and cumulatively. Grid line 2+00E North Section shows the highest response ratio for copper and cobalt, but the corresponding samples along L1+00E North Section are somewhat higher for silver but much lower for cobalt, copper and gold. L3+00E North Section shows some samples with higher values for gold but highly variable cobalt, silver copper.

Similarly, the corresponding results on the South sections are quite variable. The Base Line South Section has cumulative response ratios that are mostly less than 10 with the strongest component caused by cobalt. On the adjoining Line 1+00E South the response ratios are mostly 10 to 20, cobalt values are similar or lower, but copper, silver and gold are much higher. On line 2+00E South Section, the cumulative response ratios are quite variable, but cobalt is much higher. Lines 3+00E and 4+00E are of similar appearance but line 5+00E has generally lower Response Ratios.

The correlation coefficients are generally poor, ranging from -0.06 for cobalt and silver to 0.54 for cobalt and copper. The correlation coefficients between the rare earth elements are very good at 0.89 to 0.99. The only other elements that showed good correlation are iron and aluminum at 0.87. The correlation of 1.00 between cadmium and bismuth is of little significance since only 12 samples gave values of more than 1 ppb Bi.

Kowkash Area
MMI Survey
Cobalt
Figure 8



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Table 4: Kowkash Area- MMI Survey

Cobalt, ppb

Statistics

mean	24.82	0 to ½ mean	0.00	12.41	15.70%
s.d.	38.84	½ mean to mean	12.41	24.82	50.00%
mean + 2 s.d.	102.49	mean to mean + 1 s.d.	24.82	63.66	68.30%
median	12.00	mean + 1 s.d. to mean + 2 s.d.	63.66	102.49	95.50%
maximum	507	mean + 2 s.d. to mean + 3 s.d.	102.49	141.33	99.73%
minimum	2.5	mean + 3 s.d. to mean + 4 s.d.	141.33	180.17	99.99%
count	195	mean + 4 s.d. to mean + 5 s.d.	180.17	219.01	

Folk

mean	15.33	0 to ½ mean	0.00	7.67	15.70%
s.d.	12.77	½ mean to mean	7.67	15.33	50.00%
mean + 2 s.d.	40.88	mean to mean + 1 s.d.	15.33	28.11	68.30%
median	12.00	mean + 1 s.d. to mean + 2 s.d.	28.11	40.88	95.50%
skewness	-0.07	mean + 2 s.d. to mean + 3 s.d.	40.88	53.66	99.73%
kurtosis	0.68	mean + 3 s.d. to mean + 4 s.d.	53.66	66.43	99.99%
		mean + 4 s.d. to mean + 5 s.d.	66.43	79.20	

Folk Parameters

5.00%	2.50	
16.00%	2.50	
25.00%	2.50	
50.00%	12.00	median
68.26%	24.42	+ 1 s.d. (Folk)
75.00%	31.50	
84.00%	38.96	
95.44%	71.15	+ 2 s.d. (Folk)
98.00%	132.72	
99.74%	388.97	+ 3 s.d. (Folk)
max	507.00	
min	0.00	adjust

Percentiles

10%	2.50	
20%	2.50	
25%	2.50	1 quartile
30%	5.20	
40%	8.00	
50%	12.00	2 quartile
60%	15.00	
70%	26.80	
75%	31.50	3 quartile
80%	33.00	
90%	53.60	
100%	507.00	4 quartile

MMI

First quartile	2.50
Background	2.50

Conclusions

The soil survey carried out in the Kowkash area of the O'Sullivan Lake Project analyzed for mobile metal ions has returned results that are quite variable from one section to another and along the sections. The correlation coefficients between the elements analyzed are generally very poor for the elements of interest.

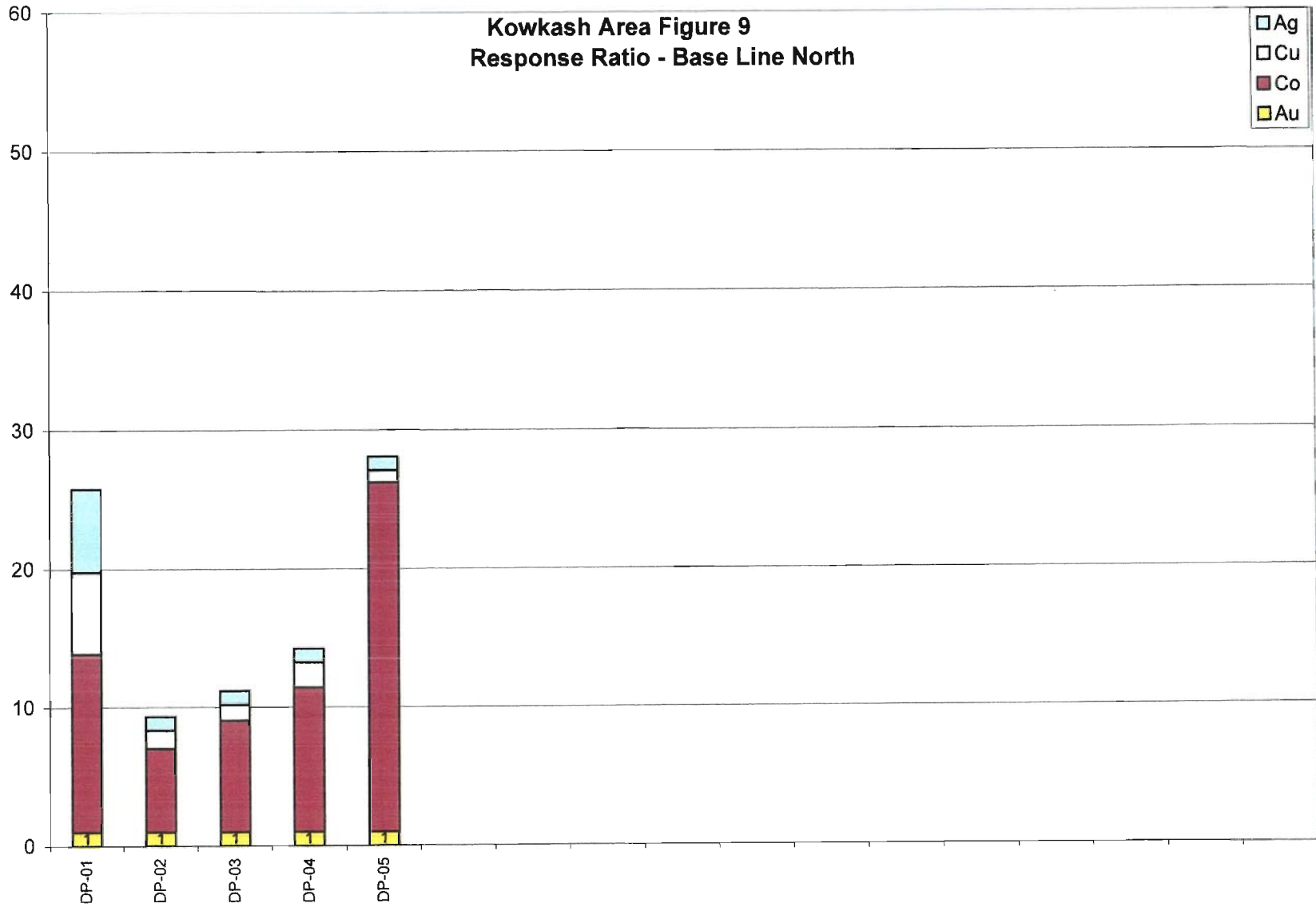
The results of the Mobile Metal Ion Survey have proven to be disappointing and the results cannot be used to outline any area that requires additional work or to help define target areas for exploration.

Reference

Folk, Robert L.
1980: Petrology of Sedimentary Rocks, Hemphill Publishing Company, Austin Texas, 184p.

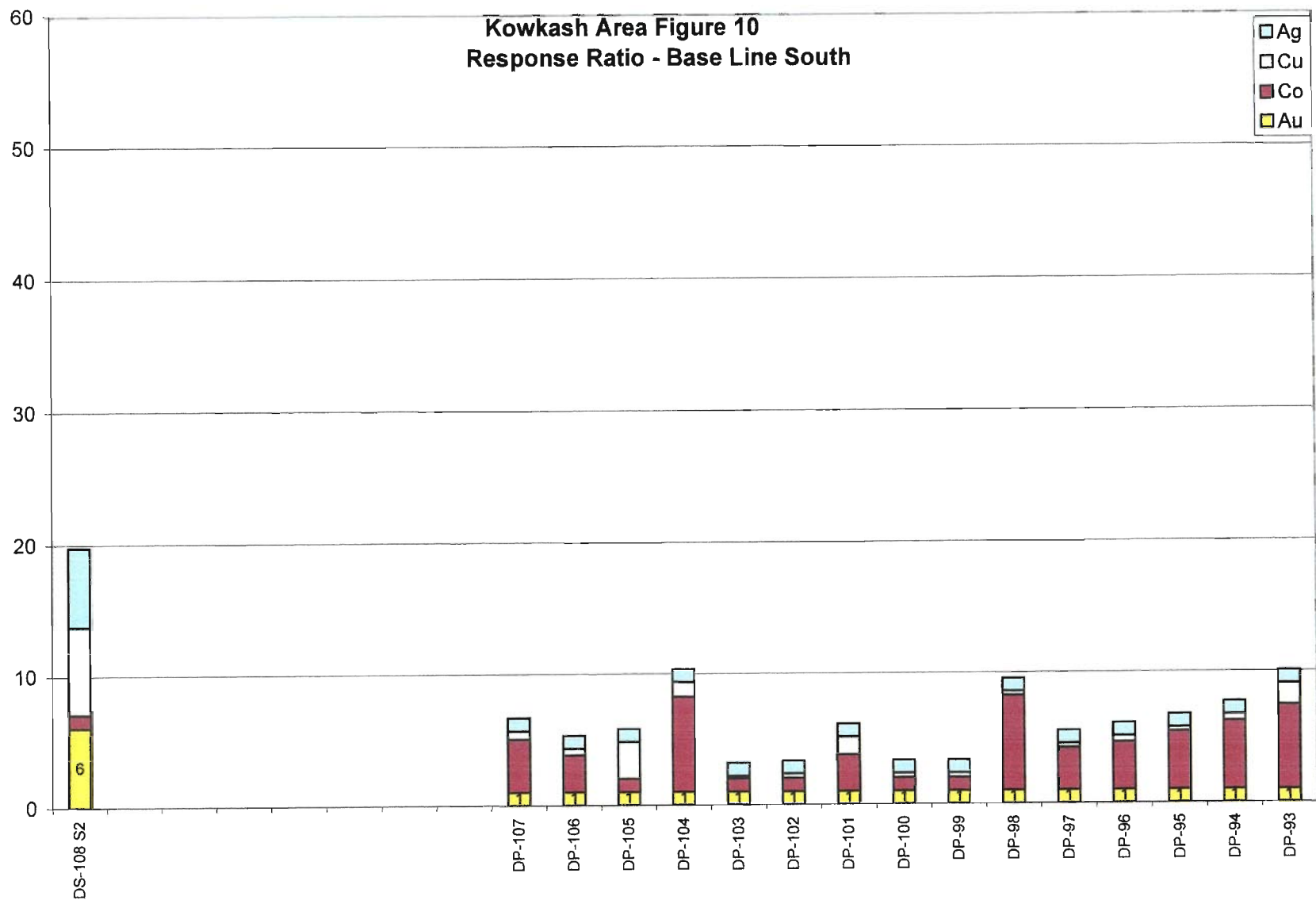
Appendix 1

Kowkash Area Figure 9
Response Ratio - Base Line North



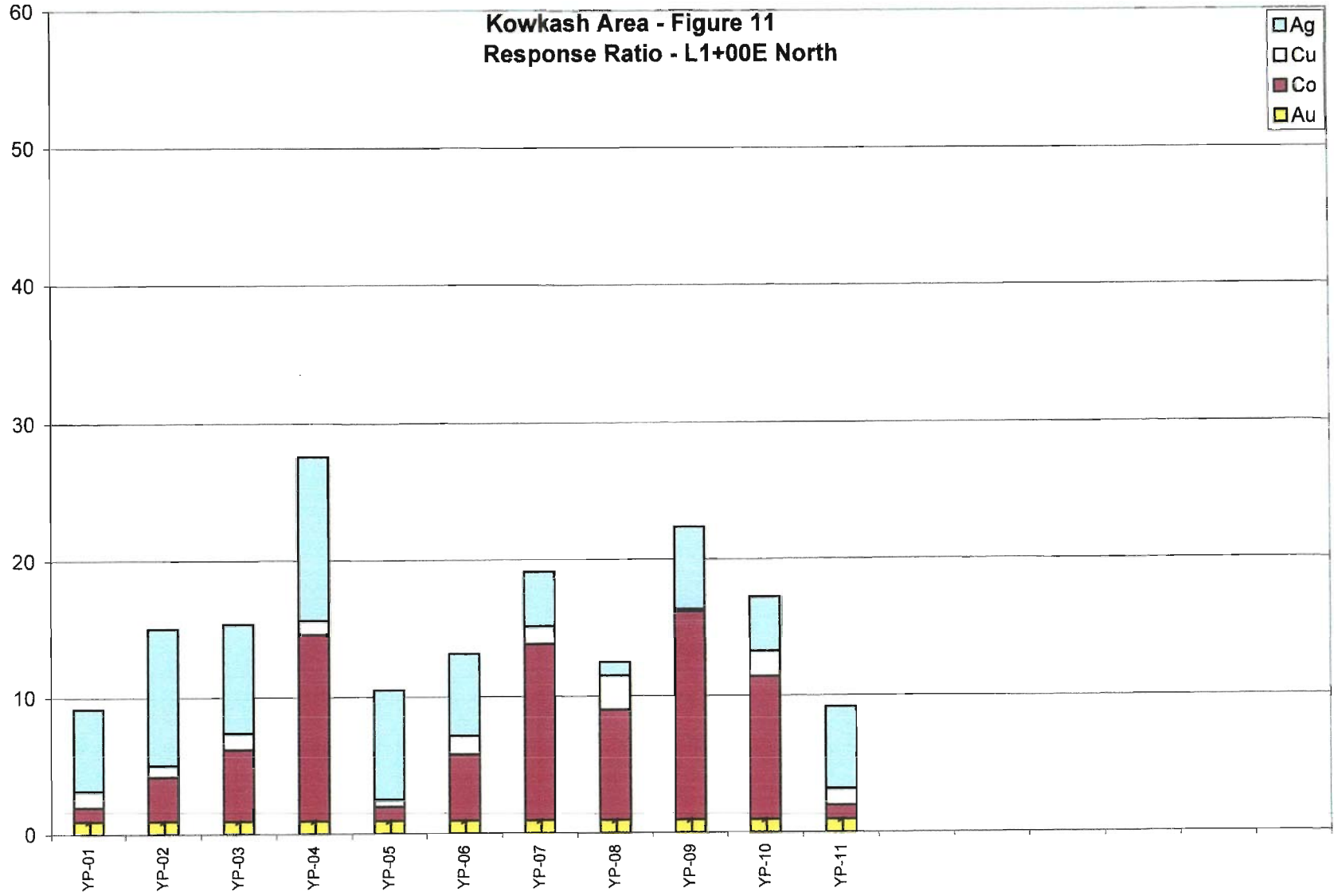
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Kowkash Area Figure 10
Response Ratio - Base Line South



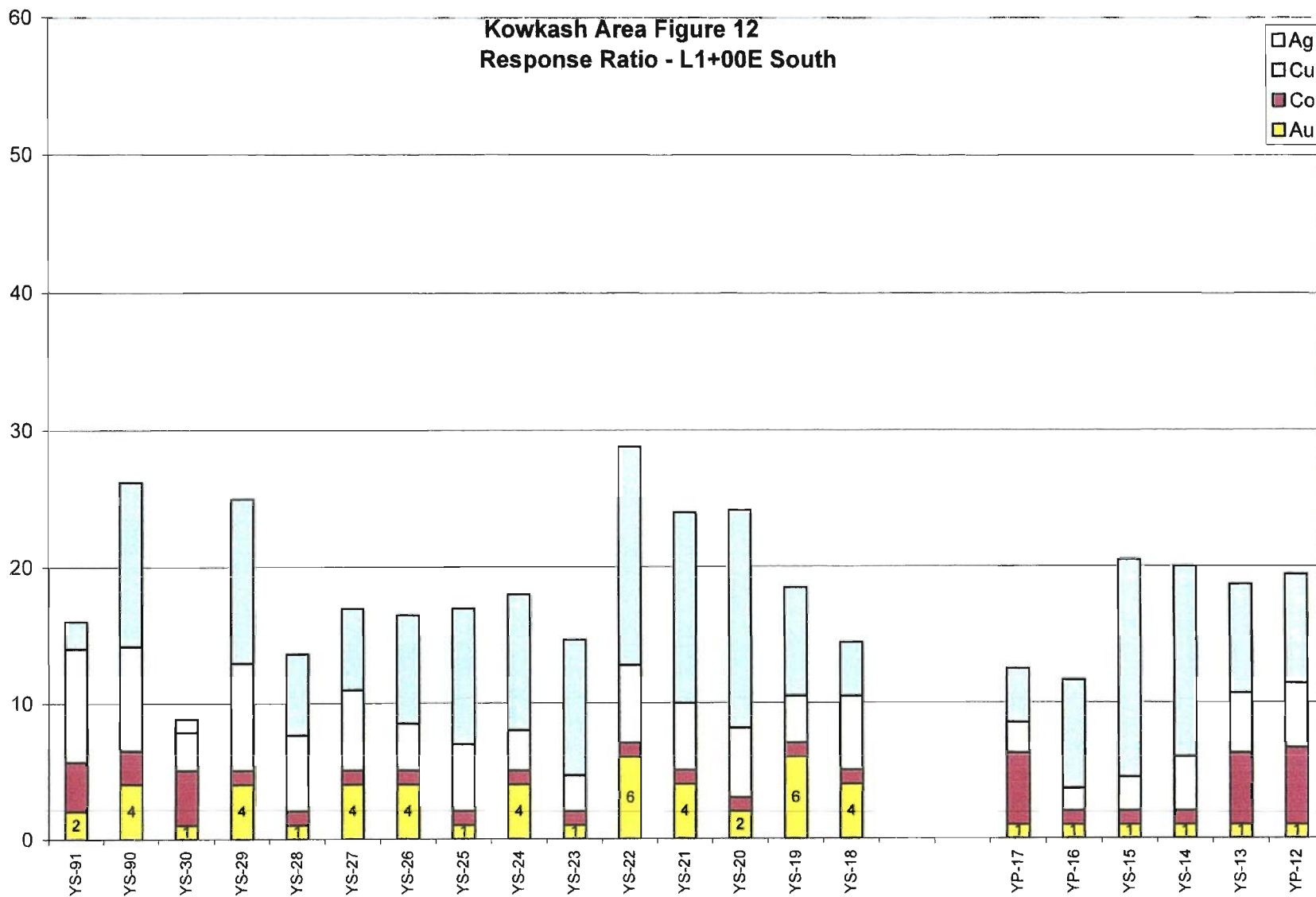
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Kowkash Area - Figure 11
Response Ratio - L1+00E North

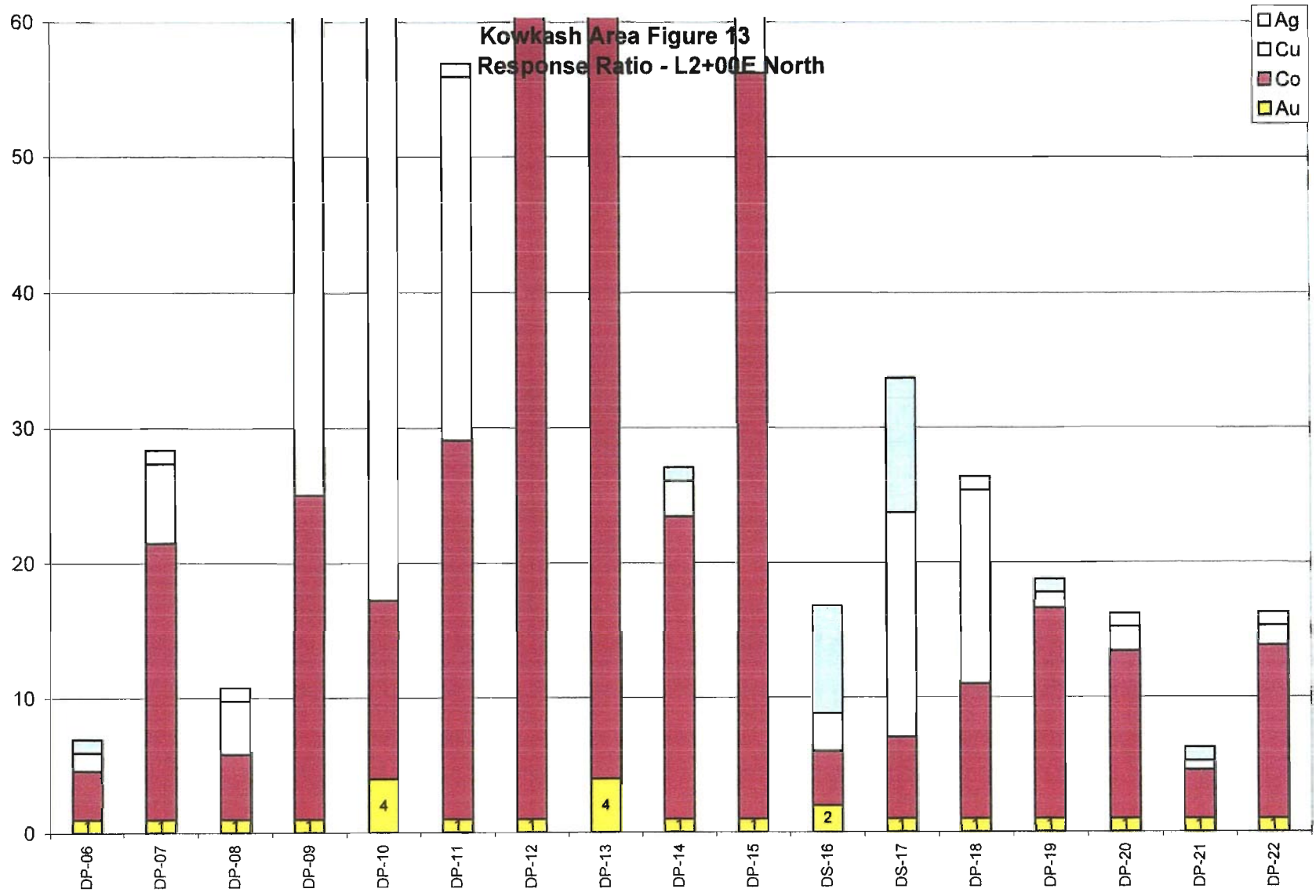


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Kowkash Area Figure 12
Response Ratio - L1+00E South

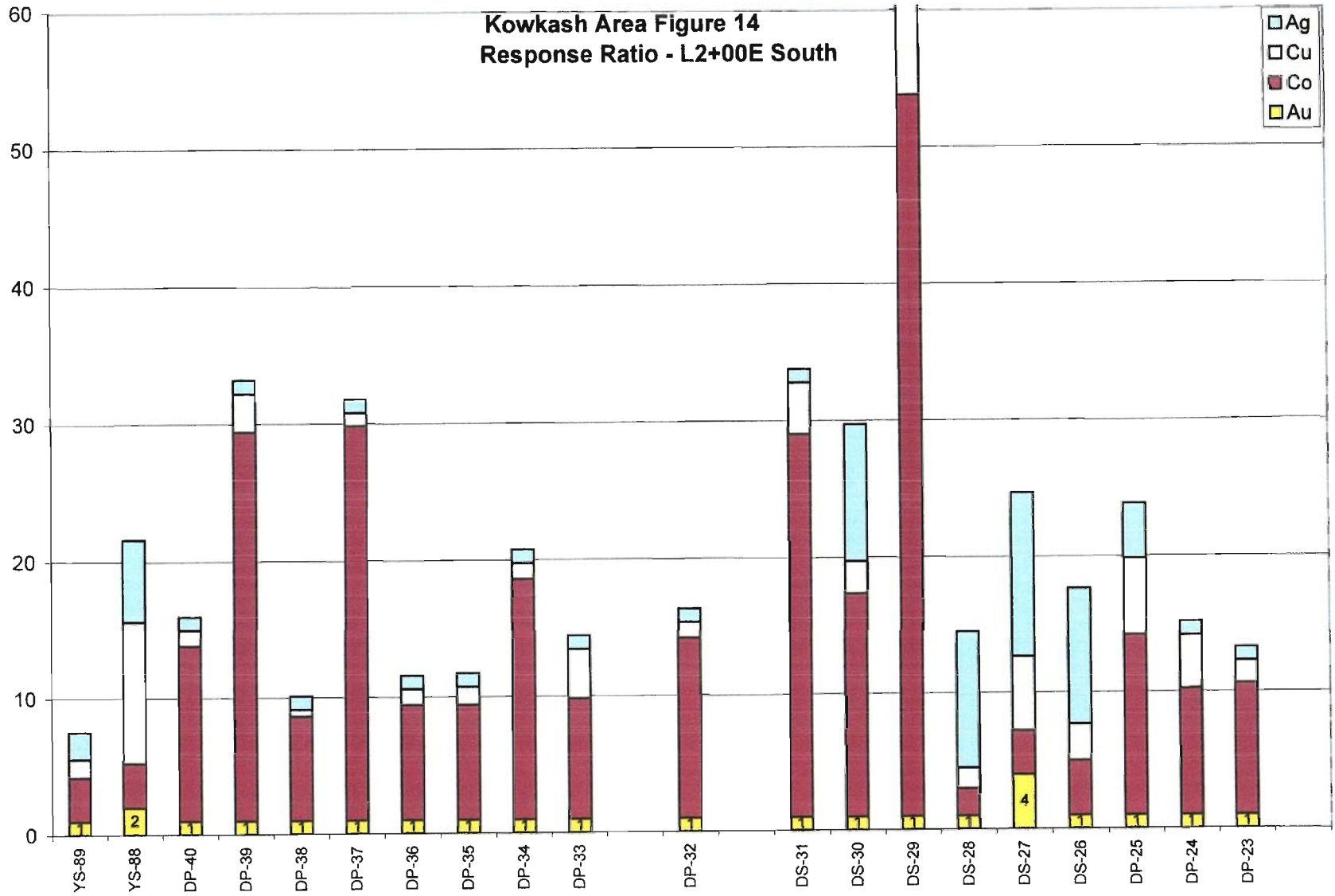


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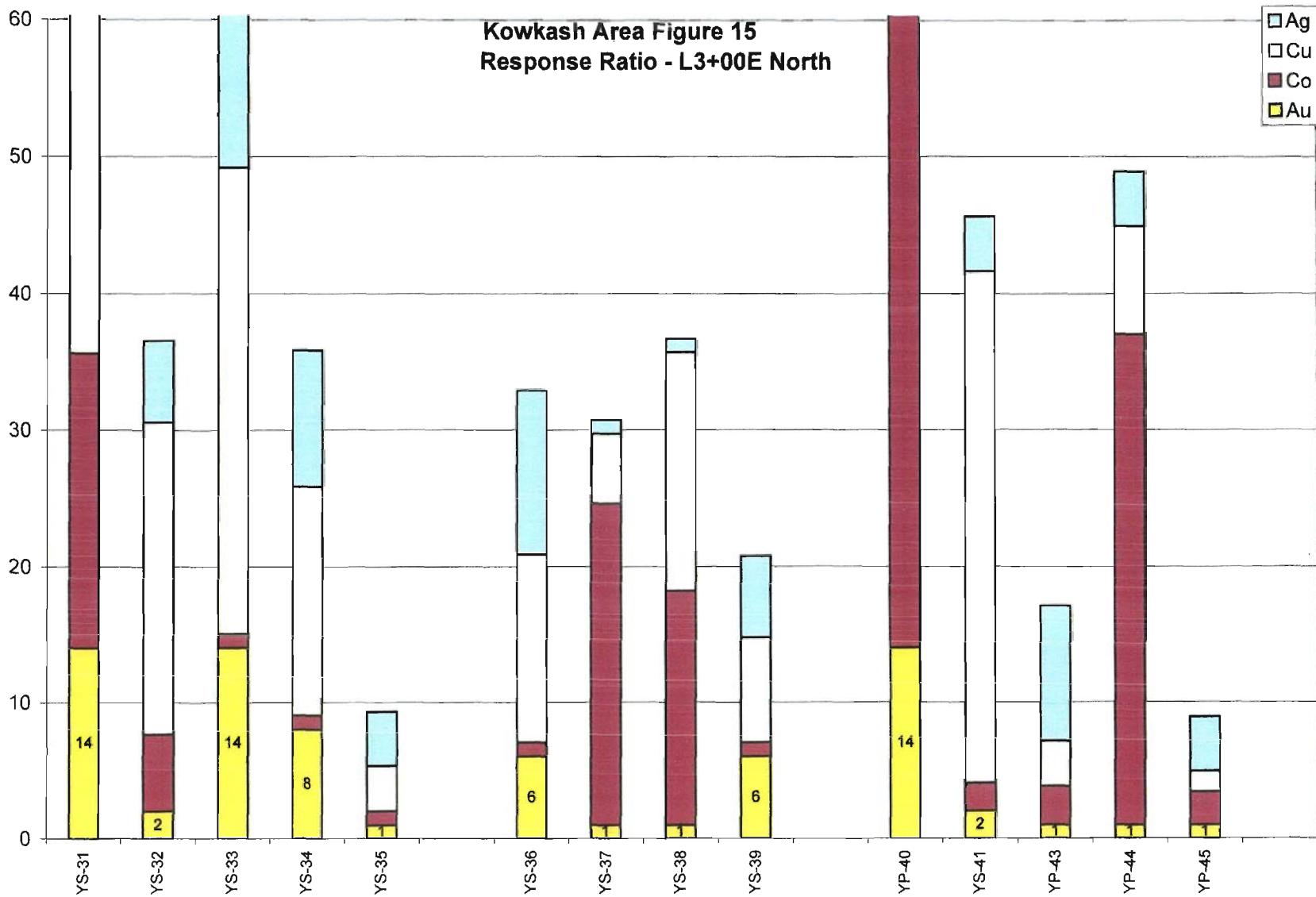
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Kowkash Area Figure 14
Response Ratio - L2+00E South



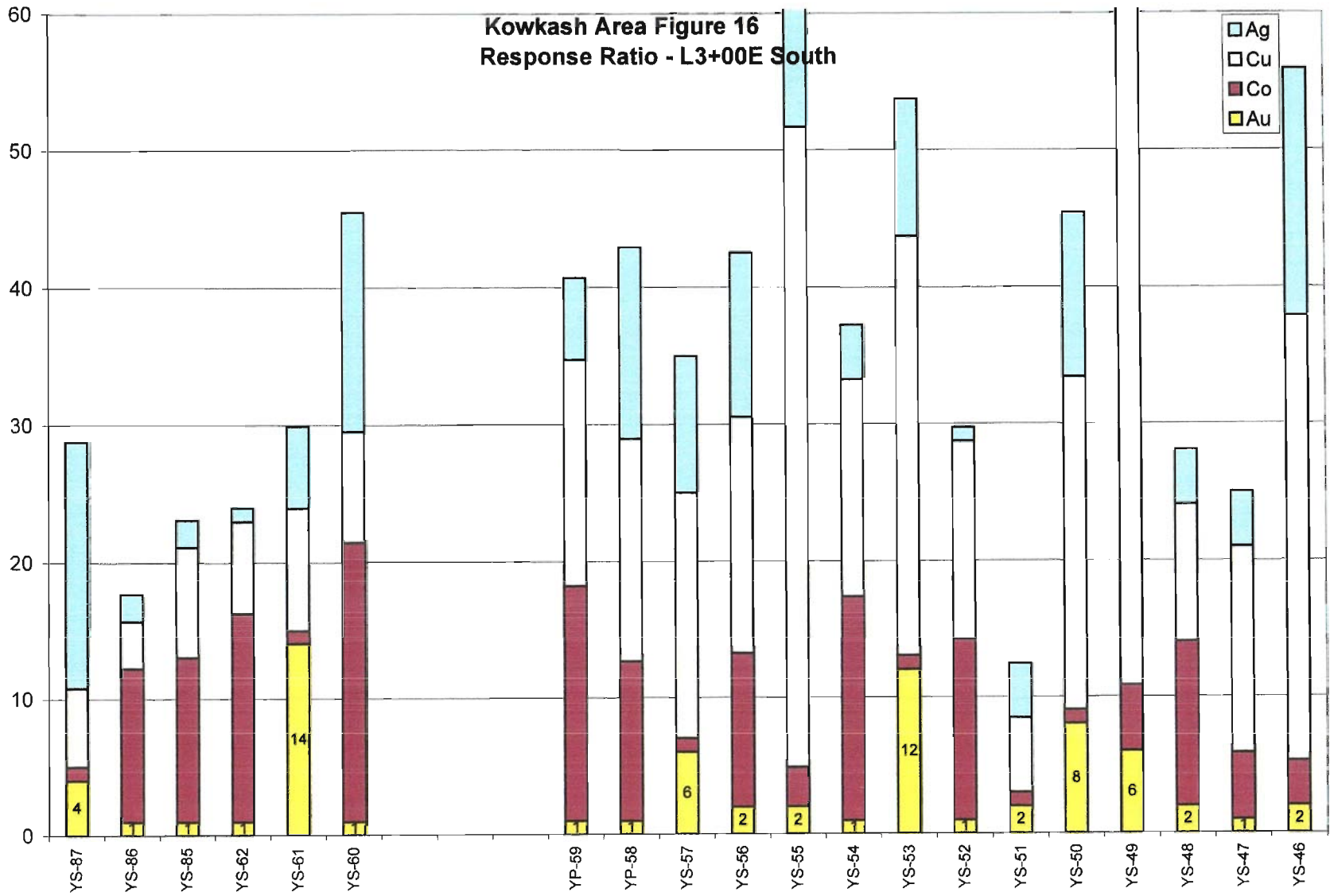
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Kowkash Area Figure 15
Response Ratio - L3+00E North



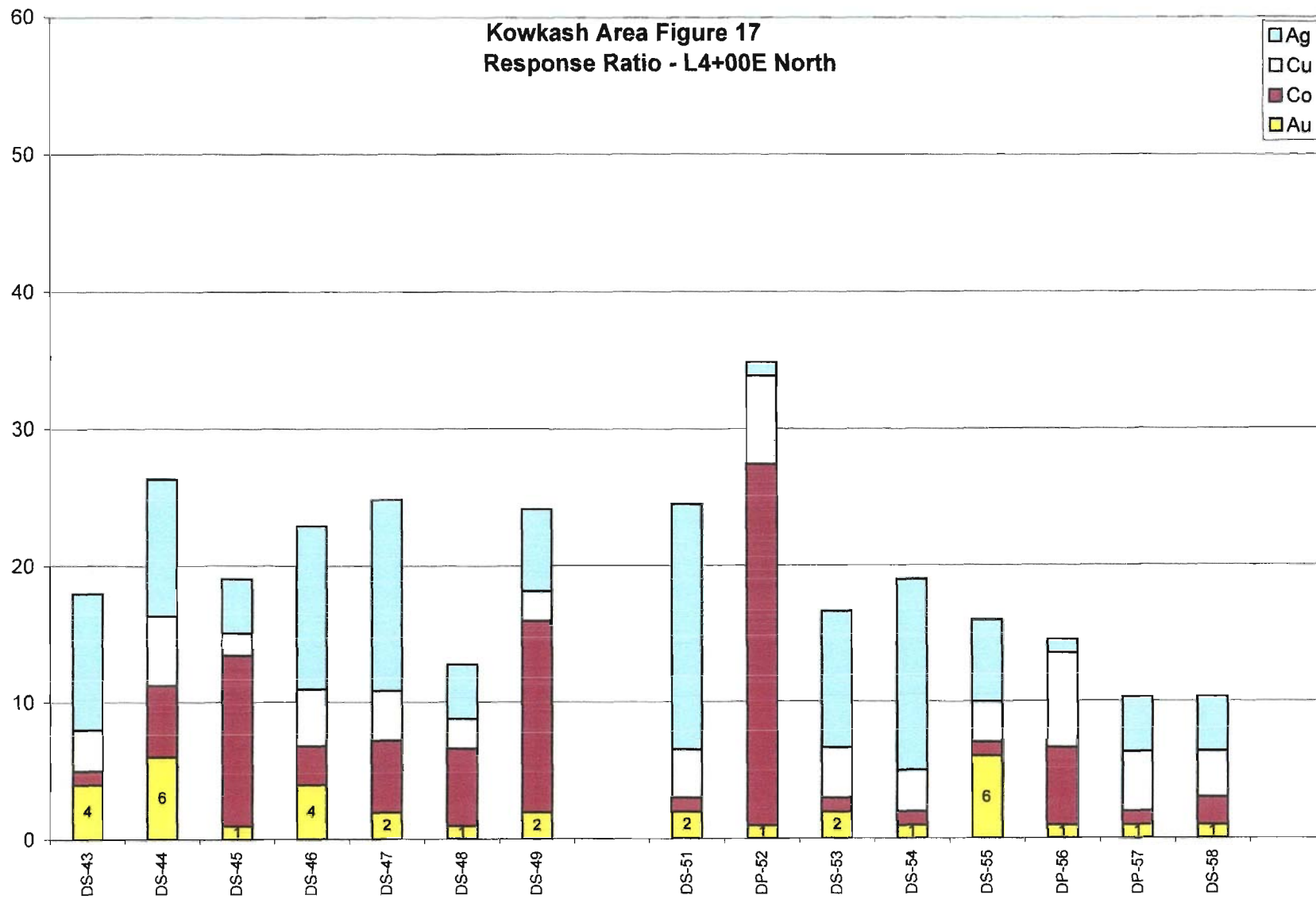
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Kowkash Area Figure 16
Response Ratio - L3+00E South



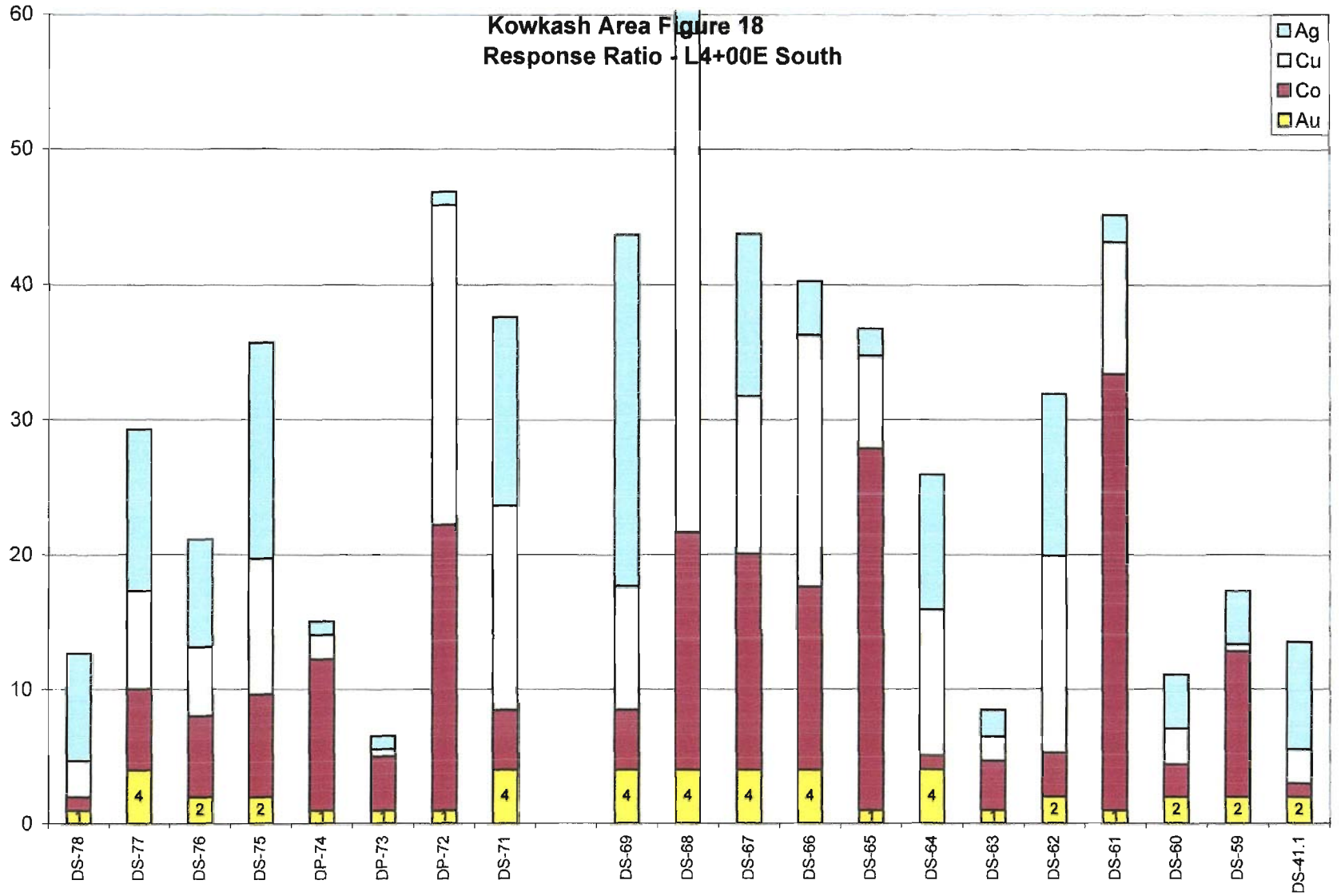
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Kowkash Area Figure 17
 Response Ratio - L4+00E North



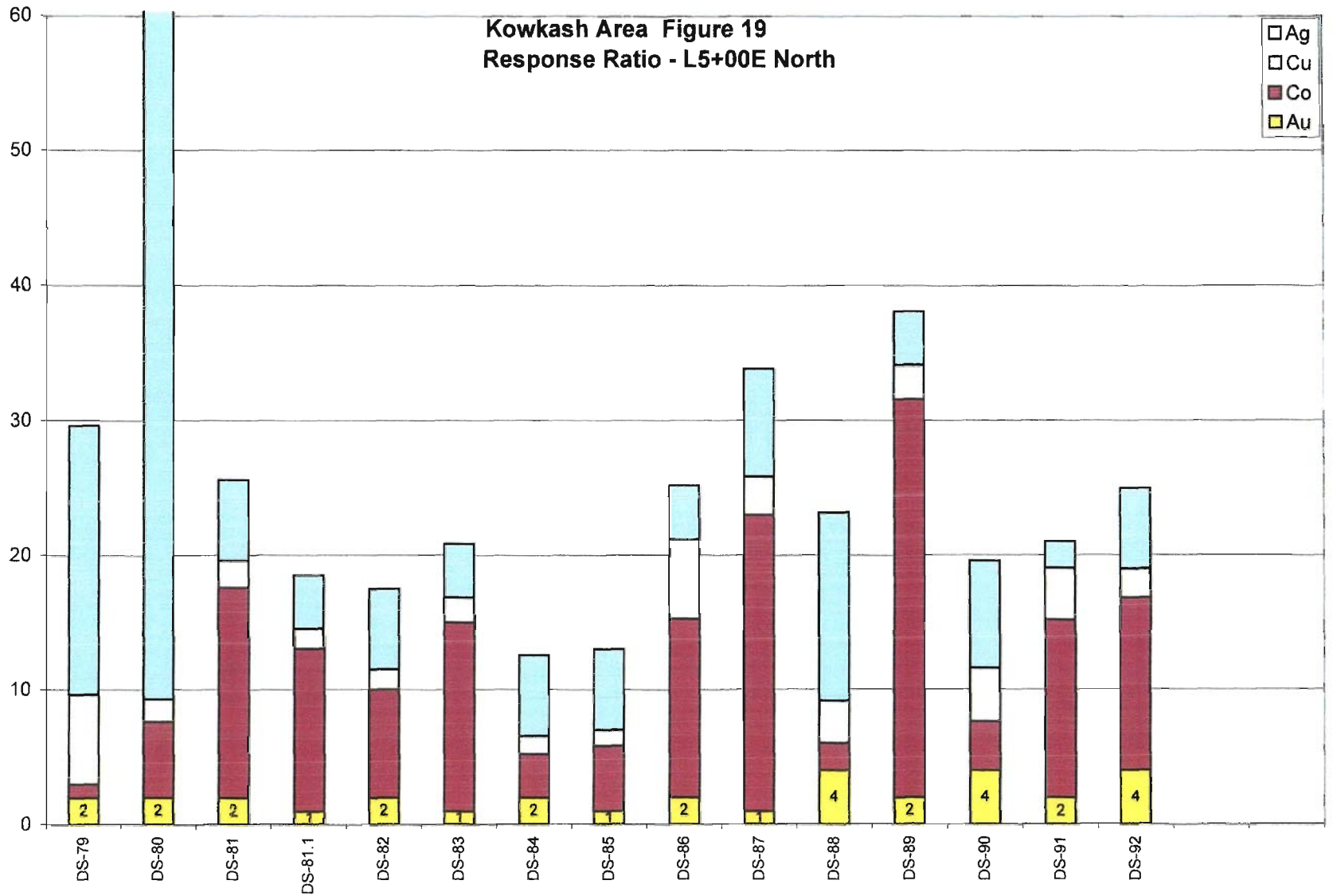
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Kowkash Area Figure 18
Response Ratio - L4+00E South



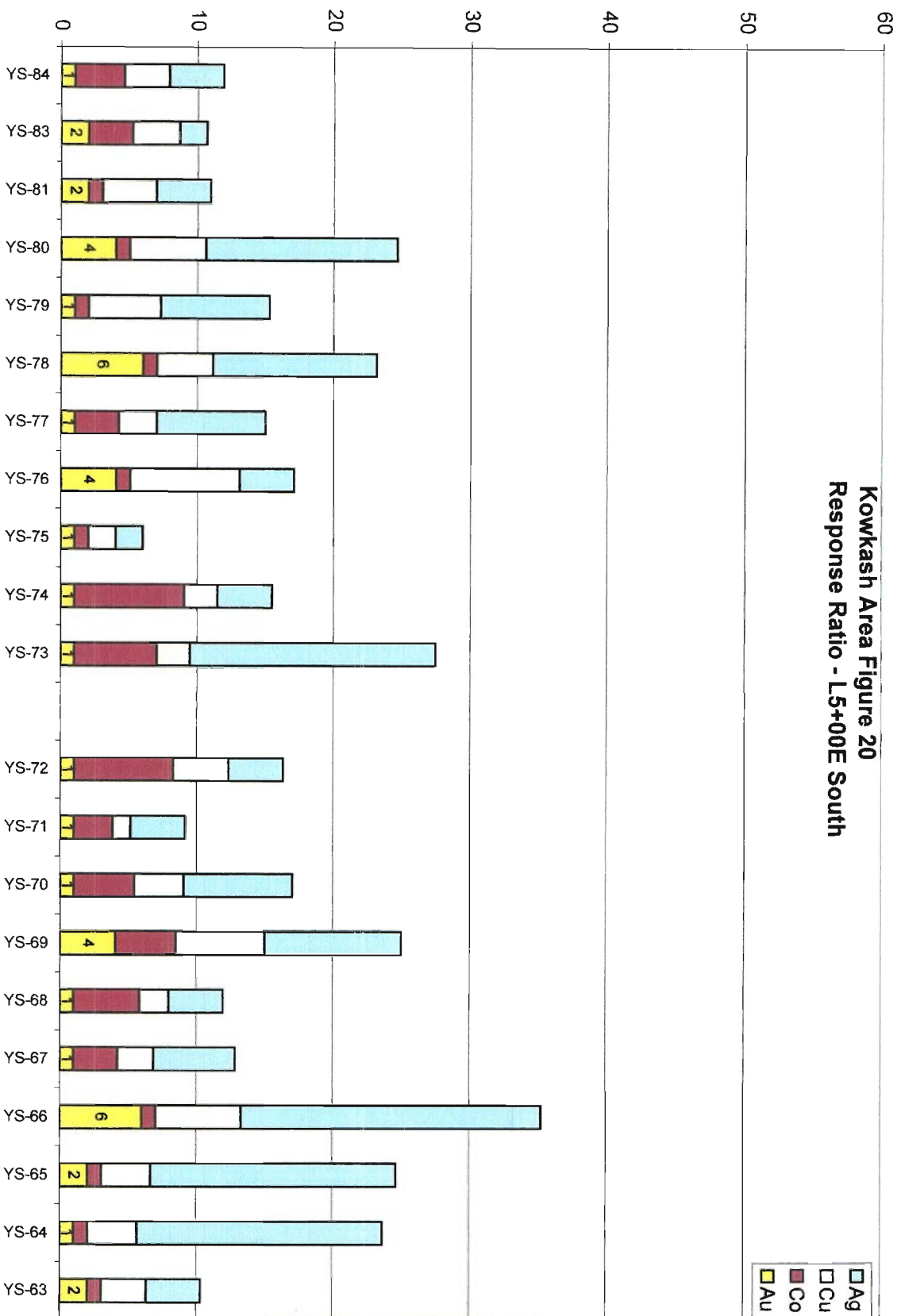
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Kowkash Area Figure 19
Response Ratio - L5+00E North



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Ag
Cu
Co
Au

Appendix 2

<u>Samp No.</u>	<u>Northing</u>	<u>Easting</u>	<u>Date</u>	<u>Grid/Line/Station</u>	<u>Organic Cover</u>
DP01	5588064	497319	22-Sep-06	BL L0	peat,moss,rotted wood,cedar swamp
DP02	5588085	497330	22-Sep-06	BL0 0+20N	peat,moss,blowdown
DP03	5588097	497336	22-Sep-06	L0 0+40N	moss,peat with blowdown
DP04	5588121	497349	22-Sep-06	L0 0+60N	moss, peat, blowdown
DP05	5588137	497354	22-Sep-06	L0 0+80N	moss, peat, blowdown
DP06	5587980	497504	22-Sep-06	BL @ 2E	peat, moss, blowdown
DP07	5587996	497512	22-Sep-06	L2E 0+20N	peat,moss,blowdown
DP08	5588014	497518	22-Sep-06	L2E 0+40N	moss, peat, twigs, blowdown
DP09	5588036	497529	22-Sep-06	L2E 0+60N	blowdown, moss, peat, leaves
DP10	5588046	497536	22-Sep-06	L2E 0+80N	moss, peat, blowdown
DP11	5588068	497543	22-Sep-06	L2E 1+00N	blowdown, conifer, moss, peat
DP12	5588086	497551	22-Sep-06	L2E 1+20N	peat, moss, blowdown
DP13	5588108	497564	22-Sep-06	L2E 1+40N	blowdown, moss, peat, pinecones
DP14	5588123	497574	22-Sep-06	L2E 1+60N	peat, moss, blowdown
DP15	5588146	497579	23-Sep-06	L2E 1+80N	moss,peat,blowdown
DS16	5588161	497589	23-Sep-06	L2E 2+00N	peat, moss,blowdown
DS17	5588185	497594	23-Sep-06	L2E 2+20N	blowdown,moss,brush
DP18	5588208	497603	23-Sep-06	L2E 2+40N	blowdown,moss,peat,brush
DP19	5588216	497610	23-Sep-06	L2E 2+60N	peat,moss,blowdown,grass
DP20	5588237	497619	23-Sep-06	L2E 2+80N	peat,moss, blowdown,grass,leaves
DP21	5588255	497626	23-Sep-06	L2E 3+00N	leaf cover,peat,moss,blowdown
DP22	5588270	497635	23-Sep-06	L2E 3+20N	leaf,peat,moss,blowdown
DP23	5587967	497498	23-Sep-06	L2E 0+20S	peat,moss,blowdown,grass
DP24	5587942	497488	23-Sep-06	L2E 0+40S	blowdown,moss,leaves
DP25	5587925	497475	23-Sep-06	L2E 060S	peat,moss,blowdown,grass
DS26	5587912	497471	23-Sep-06	L2E 0+80S	moss,brush,grass
DS27	5587892	497464	23-Sep-06	L2E 1+00S	brush,moss,peat
DS28	5587872	497458	23-Sep-06	L2E 1+20S	peat, moss, blowdown
DS29	5587855	497443	23-Sep-06	L2E 1+40S	moss,twigs,peat
DS30	5587838	497437	23-Sep-06	L2E 1+60S	moss,brush,conifer
DP31	5587820	497429	23-Sep-06	L2E 1+80S	peat,moss,blowdown,grass
DP32	5587783	497414	23-Sep-06	L2E 2+20S	moss,peat,blowdown
DP33	5587748	497399	23-Sep-06	L2E 2+60S	peat,moss,blowdown,grass
DP34	5587729	497390	23-Sep-06	L2E 2+80S	grass,moss,peat blowdown
DP35	5587712	497384	23-Sep-06	L2E 3+00S	moss,peat,blowdown,brush
DP36	5587893	497374	23-Sep-06	L2E 3+20S	peat,moss,blowdown
DP37	5587874	497368	23-Sep-06	L2E 3+40S	moss,peat,blowdown
DP38	5587857	497359	23-Sep-06	L2E 3+60S	moss,peat,brush
DP39	5587841	497348	23-Sep-06	L2E 3+80S	blowdown,moss,peat
DP40	5587814	497340	23-Sep-06	L2E 4+00S	moss,peat,blowdown
DS41	5587896	497684	24-Sep-06	L4E 0+00 (BL)	MOSS,PEAT,BLOWDOWN
DS41-1	5587896	497684	24-Sep-06	L4E 0+00 (BL)	MOSS,PEAT,BLOWDOWN
DS43	5587925	497690	24-Sep-06	L4E 0+20N	MOSS,PEAT,ROOTS,BLOWDOWN
DS44	5587931	497708	24-Sep-06	L4E 0+40N	MOSS,PEAT,BLOWDOWN,LAB TEA
DS45	5587954	497714	24-Sep-06	L4E 0+60N	MOSS,PEAT,BLOWDOWN,LAB TEA
DS46	5587966	497720	24-Sep-06	L4E 0+80N	LEAVES,MOSS,PINECONES,PEAT,BLOWDOWN
DS47	5587991	497726	24-Sep-06	L4E 1+00N	BLOWDOWN,ROOTS,LEAVES,PEAT
DS48	5588003	497734	24-Sep-06	L4E 1+20N	BLOWDOWN,TWIGS,LEAVES,PEAT
DS49	5588019	497744	24-Sep-06	L4E 1+40N	BLOWDOWN,MOSS,PEAT,LEAVES
DS51	5588048	497756	24-Sep-06	L4E 1+60N	BLOWDOWN,PEAT,LEAVES,FERNS
DP52	5588060	497764	24-Sep-06	L4E 1+80N	BLOWDOWN,FERNS,MOSS,PEAT,LEAVES
DS53	5588076	497773	24-Sep-06	L4E 2+00N	GRASS,PEAT,LEAVES,BLOWDOWN
DS54	5588096	497779	24-Sep-06	L4E 2+20N	BRUSH,BLOWDOWN,LEAVES,GRASS
DS55	5588115	497787	24-Sep-06	L4E 2+40N	LEAVES,BLOWDOWN,PEAT,MOSS
DP56	5588137	497793	24-Sep-06	L4E 2+60N	MOSS,PEAT,BLOWDOWN
DP57	5588151	497802	24-Sep-06	L4E 2+80N	BLOWDOWN,GRASS,MOS,PEAT
DS58	5588170	497813	24-Sep-06	L4E 3+00n	moss,blowdown,peat
DS59	5587878	497681	24-Sep-06	L4E 0+20S	BLOWDOWN,MOSS,BRUSH,PEAT
DS60	5587858	497676	24-Sep-06	L4E 0+40S	MOSS,PEAT,ROOTS
DS61	5587840	497656	24-Sep-06	L4E 0+60S	BLOWDOWN,MOSS,PEAT
DS62	5587823	497650	24-Sep-06	L4E 0+80S	MOSS,PEAT,BLOWDOWN
DS63	5587811	497641	24-Sep-06	L4E 1+00S	MOSS,PEAT,BLOWDOWN
DS64	5587787	497640	24-Sep-06	L4E 1+20S	MOSS,PEAT,LEAVES,BLOWDOWN
DS65	5587774	497621	25-Sep-06	L4E 1+40S	MOSS,PEAT,LEAVES
DS66	5587762	497625	25-Sep-06	L4E 1+60S	MOSS,PEAT,BLOWDOWN,LEAVES
DS67	5587740	497604	25-Sep-06	L4E 1+80S	MOSS,PEAT,LEAVES,BLOWDOWN
DS68	5587720	497600	25-Sep-06	L4E 2+00S	PEAT,MOSS,BLOWDOWN
DS69	5587682	497579	25-Sep-06	L4E 2+40S	PEAT,CONIFER,BLOWDOWN
DS70	5587677	497579	25-Sep-06	L4E 2+40S	CONIFER,PEAT,BLOWDOWN
DS71	5587663	497571	25-Sep-06	L4E 2+60S	MOSS,PEAT,BLOWDOWN,GRASS

<u>Samp No.</u>	<u>Terrain</u>	<u>Upslope/Az/Rise</u>	<u>Samp Top</u>	<u>Samp Bot</u>	<u>%Sand</u>	<u>%Silt</u>
DP01	flat	070-05	50	60		
DP02	flat	075-05	50	60		
DP03	flat	080-05	30	40		
DP04	flat	080-05	50	60		
DP05	flat	085-05	45	55		
DP06	flat	090-10	50	60		
DP07	flat	095-05	50	60		
DP08	flat	090-05	45	55		
DP09	flat	095-05	50	60		
DP10	flat	095-05	45	55		
DP11	flat	095-10	50	60		
DP12	flat	095-15	45	55		
DP13	flat	085-05	40	50		
DP14	flat	095-05	10	15		
DP15	flat	105-10	40	50		
DS16	flat	100-05	25	35	20	60
DS17	flat	090-05	55	65		40
DP18	flat	100-05	50	60		
DP19	flat	100-05	60	70		
DP20	flat	100-2.5	55	65		
DP21	flat	100-05	35	45		
DP22	flat	100-2.5	50	60		
DP23	flat	100-05	55	65		
DP24	flat	070-05	55	65		
DP25	flat	095-05	50	60		
DS26	flat	110-05	25	35	20	30
DS27	flat	150-05	30	40	40	25
DS28	flat	100-2.5	60	70	70	20
DS29	flat	110-05	35	45	40	20
DS30	flat	135-05	45	55	35	25
DP31	flat	135-05	60	70		
DP32	flat	110-05	50	60		
DP33	flat	120-05	45	55		
DP34	flat	110-15	45	55		
DP35	flat	090-05	35	45		
DP36	flat	100-05	50	60		
DP37	flat	100-05	45	55		
DP38	flat	085-05	45	55		
DP39	flat	080-05	40	50		
DP40	flat	090-05	50	60		
DS41	FLAT	000-05	25	35	100	
DS41-1	FLAT	000-05	25	35	100	
DS43	FLAT	000-15	25	35	70	30
DS44	FLAT	000-15	25	35	45	40
DS45	FLAT	000-00	25	35		
DS46	FLAT	060-05	25	35	60	20
DS47	FLAT	070-05	25	35	80	10
DS48	FLAT	120-10	25	35	70	15
DS49	FLAT	135-10	25	35	80	5
DS51	FLAT	180-15	25	35	80	10
DP52	FLAT	180-15	20	30		
DS53	FLAT	225-20	30	40	90	
DS54	FLAT	200-15	40	50	90	
DS55	FLAT	200-15	30	40	75	10
DP56	FLAT	200-15	50	60		
DP57	FLAT	200-10	55	65		
DS58	FLAT	180-05	35	45	100	
DS59	FLAT	080-05	35	45	90	
DS60	FLAT	000-00	45	55	75	25
DS61	FLAT	090-05	25	35	85	
DS62	FLAT	090-05	30	40	70	30
DS63	FLAT	080-05	25	35	100	
DS64	FLAT	080-05	25	35	90	
DS65	FLAT	085-05	25	35	70	10
DS66	FLAT	070-05	25	35	50	25
DS67	FLAT	070-05	25	35	80	20
DS68	FLAT	060-05	25	35	40	20
DS69	FLAT	000-20	25	35	100	
DS70	FLAT	000-20	25	35	100	
DS71	FLAT	045-05	50	60	20	30

Samp No.	%Clay	%Organic	S Colour	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce
				ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb
DP01		100	black, brwn wood fibre	3	4	<10	<0.1	230	<1	370	<10	10
DP02		100		<1	6	<10	<0.1	120	<1	330	<10	9
DP03		100		<1	3	<10	<0.1	90	<1	310	10	5
DP04		100		<1	6	<10	<0.1	100	<1	330	10	9
DP05		100		<1	7	<10	<0.1	100	<1	250	<10	13
DP06		100	black	<1	23	<10	<0.1	160	<1	480	30	12
DP07		100	black	<1	20	<10	<0.1	140	<1	390	<10	15
DP08		100	black	<1	6	<10	<0.1	80	<1	350	10	<5
DP09		100	black	<1	13	30	<0.1	120	<1	420	30	6
DP10		100	black	3	29	30	0.2	50	<1	320	10	39
DP11		100	black	<1	32	<10	<0.1	80	<1	360	20	8
DP12		100	black	<1	36	<10	<0.1	170	<1	330	<10	7
DP13		100	black	<1	55	20	0.2	100	<1	380	10	32
DP14		100	black	<1	44	<10	<0.1	200	<1	430	50	65
DP15		100	black	2	43	80	<0.1	160	<1	420	<10	30
DS16	10	10	brownich grey clay to black organic	4	34	10	0.1	1530	<1	390	<10	991
DS17	45	15	brownicsh grey,some black	5	19	<10	<0.1	1060	<1	770	<10	43
DP18		100	black	<1	21	<10	<0.1	140	<1	460	20	10
DP19		100	black	<1	20	<10	<0.1	190	<1	220	<10	<5
DP20		100	black with lots of brown fibre	<1	16	<10	<0.1	190	<1	340	<10	11
DP21		100	black with lots of brown fibre	<1	2	<10	<0.1	70	<1	300	<10	<5
DP22		100	black	<1	6	<10	<0.1	140	<1	360	<10	<5
DP23		100	black	<1	16	<10	<0.1	140	<1	350	30	8
DP24		100	black with brown wood fibre	<1	18	<10	<0.1	120	<1	310	20	6
DP25		100	black with little brown	2	57	<10	<0.1	410	<1	400	130	50
DS26	45	5	brownish grey	5	25	<10	<0.1	960	<1	480	10	723
DS27	35		brownish grey	6	21	<10	0.2	1280	<1	630	<10	145
DS28	10		grey	5	11	<10	<0.1	740	<1	340	<10	239
DS29	30	10	grey	4	17	<10	<0.1	750	<1	400	<10	426
DS30	45		brownish grey	5	16	<10	<0.1	840	<1	410	<10	627
DP31		100	black	<1	23	<10	<0.1	70	<1	290	20	<5
DP32		100	black with brown	<1	5	10	<0.1	220	<1	330	<10	<5
DP33		100	black	<1	4	<10	<0.1	150	<1	300	<10	<5
DP34		100	black	<1	10	<10	<0.1	170	<1	280	<10	<5
DP35		100	black	<1	6	<10	<0.1	160	<1	360	<10	<5
DP36		100	black	<1	4	<10	<0.1	100	<1	280	<10	<5
DP37		100	black with brown wood fiber	<1	9	<10	<0.1	70	<1	250	<10	5
DP38		100	black with brown	<1	12	<10	<0.1	80	<1	180	<10	15
DP39		100	black with brown	<1	12	<10	<0.1	70	<1	180	20	5
DP40		100	black with brown	<1	9	<10	<0.1	70	<1	190	10	9
DS41			DARK GREY	4	12	10	0.1	610	<1	440	<10	74
DS41-1			DARK GREY	4	13	20	0.1	500	<1	440	<10	101
DS43			GREY	5	5	30	0.2	940	<1	440	<10	54
DS44	15		GREY	5	5	30	0.3	1390	<1	500	<10	20
DS45			BROWN AND GREY	2	95	30	<0.1	2290	<1	180	<10	874
DS46	5	15	GREYISH BROWN	6	16	30	0.2	1440	<1	720	<10	70
DS47		10	GREYISH BROWN	7	19	30	0.1	1440	<1	700	<10	139
DS48	10	5	GREYISH BROWN	2	156	30	<0.1	710	<1	130	<10	120
DS49	5	10	GREYISH BROWN	3	133	40	0.1	770	1	60	<10	72
DS51	5	5	DARKER GREYISH BROWN	9	8	20	0.1	840	<1	370	<10	47
DP52		100	BLACK	<1	68	<10	<0.1	300	5	160	40	11
DS53		10	BROWN	5	17	10	0.1	330	<1	420	<10	31
DS54		10	DARK GREYISH BROWN	7	11	10	<0.1	260	<1	530	<10	17
DS55	10	5	DARK BROWN	3	18	10	0.3	280	<1	340	<10	35
DP56		100	BLACK	<1	11	<10	<0.1	170	<1	460	20	6
DP57		100	BLACK	2	36	<10	<0.1	210	<1	500	30	24
DS58			GREYISH BROWN	2	22	30	<0.1	380	<1	380	<10	187
DS59	5	5	GREYISH BROWN	2	36	20	0.1	610	<1	280	<10	168
DS60			BROWNISH GREY	2	31	30	0.1	1280	<1	290	<10	872
DS61	10	5	BROWN	1	255	30	<0.1	710	<1	180	<10	482
DS62			DARK GREY	6	22	20	0.1	1100	<1	740	<10	356
DS63			BROWN	1	42	20	<0.1	500	<1	310	<10	495
DS64		10	GREYISH BROWN	5	10	20	0.2	1090	<1	470	<10	124
DS65	20		GREY	1	196	30	<0.1	270	2	110	<10	76
DS66	25		GREYISH BROWN	2	166	90	0.2	480	2	60	<10	197
DS67			BROWN	6	190	60	0.2	610	<1	40	<10	343
DS68	40		GREY	7	7	20	0.2	840	<1	460	<10	156
DS69			GREYISH BROWN	13	15	30	0.2	750	<1	450	<10	254
DS70			GREYISH BROWN									
DS71	35		DARK GREY	7	17	20	0.2	960	<1	720	<10	179

Samp No.	Co ppb	Cr ppb	Cu ppb	Dy ppb	Er ppb	Eu ppb	Fe ppb	Gd ppb	La ppb	Li ppb	Mg ppb	Mo ppb	Nb ppb	Nd ppb	Ni ppb	Pb ppb	Pd ppb	Pr ppb
DP01	32	<100	360	2	1.5	0.5	3	2	6	<5	47	11	0.7	5	22	60	<1	1
DP02	15	<100	80	2	1.5	0.6	3	3	4	<5	42	6	<0.5	6	12	110	<1	1
DP03	20	<100	70	2	1	<0.5	1	2	2	<5	46	5	<0.5	4	63	130	<1	<1
DP04	26	<100	110	3	1.7	0.7	3	3	3	<5	48	8	<0.5	6	11	100	<1	1
DP05	63	<100	50	2	1.4	0.6	9	2	5	<5	36	10	<0.5	7	13	130	<1	2
DP06	9	<100	80	10	6.9	1.9	4	10	7	<5	57	<5	<0.5	18	30	80	<1	3
DP07	51	<100	360	2	1	0.6	11	2	7	<5	54	19	<0.5	10	61	40	<1	2
DP08	12	<100	240	1	0.7	<0.5	2	2	1	<5	43	10	<0.5	4	50	10	<1	<1
DP09	60	<100	2160	2	1.4	0.7	7	3	3	<5	45	12	<0.5	8	248	20	<1	2
DP10	33	<100	10300	9	4.8	3	5	14	44	<5	31	8	<0.5	57	861	<10	<1	12
DP11	70	<100	1630	6	3.9	1.3	5	6	9	<5	38	12	<0.5	18	292	20	<1	4
DP12	244	<100	810	1	0.7	<0.5	129	1	3	<5	28	28	<0.5	5	208	<10	<1	1
DP13	507	<100	15700	4	2.6	1.2	53	5	24	<5	30	15	<0.5	24	182	20	<1	6
DP14	56	<100	160	12	6.2	3.3	20	15	25	<5	55	<5	<0.5	45	55	560	<1	10
DP15	138	<100	1050	4	1.9	1.1	39	5	14	<5	44	<5	<0.5	20	92	80	<1	5
DS16	10	<100	170	36	14.8	13.7	19	63	277	<5	52	<5	2.5	342	51	50	<1	89
DS17	15	<100	1010	13	5.8	4.3	11	21	37	<5	116	<5	0.6	68	145	30	<1	15
DP18	25	<100	870	4	2.2	0.9	9	4	6	<5	55	<5	<0.5	12	74	70	<1	2
DP19	39	<100	70	<1	1.1	<0.5	130	<1	<1	<5	27	15	<0.5	1	35	20	<1	<1
DP20	31	<100	110	3	2.1	0.7	51	3	4	<5	40	9	<0.5	7	15	50	<1	2
DP21	9	<100	40	<1	<0.5	<0.5	1	<1	<1	<5	38	<5	<0.5	2	8	80	<1	<1
DP22	32	<100	90	<1	<0.5	<0.5	9	<1	<1	<5	38	6	<0.5	2	40	20	<1	<1
DP23	24	<100	100	3	2	0.6	5	3	2	<5	45	33	<0.5	6	53	40	<1	1
DP24	23	<100	240	2	1.7	0.6	6	2	2	<5	36	10	<0.5	6	38	80	<1	1
DP25	33	<100	340	28	20.5	4.1	49	23	26	5	51	9	<0.5	49	67	220	<1	10
DS26	10	<100	160	34	14.7	13	18	61	290	<5	73	<5	0.9	333	79	50	<1	90
DS27	8	<100	330	24	10.5	9.5	19	44	166	<5	124	<5	0.7	212	98	60	<1	54
DS28	5	<100	90	17	7	7	7	33	137	7	87	<5	0.6	171	35	100	<1	44
DS29	132	<100	520	12	5.8	5.2	34	24	169	6	53	<5	0.8	160	124	<10	<1	47
DS30	41	<100	140	23	9.7	9.1	14	41	142	13	71	9	1	205	119	40	<1	52
DP31	70	<100	230	2	1.8	<0.5	2	1	<1	<5	38	106	<0.5	<1	48	90	<1	<1
DP32	33	<100	70	<1	<0.5	<0.5	24	<1	2	<5	43	37	<0.5	2	28	20	<1	<1
DP33	22	<100	220	<1	<0.5	<0.5	31	<1	1	<5	37	19	<0.5	2	25	<10	<1	<1
DP34	44	<100	70	<1	<0.5	<0.5	41	<1	1	<5	36	36	<0.5	3	32	<10	<1	<1
DP35	21	<100	80	<1	<0.5	<0.5	13	<1	<1	<5	45	9	<0.5	1	26	20	<1	<1
DP36	21	<100	70	1	0.8	<0.5	3	<1	<1	<5	37	7	<0.5	2	17	80	<1	<1
DP37	72	<100	60	1	0.8	<0.5	2	1	<1	<5	32	13	<0.5	3	27	300	<1	<1
DP38	19	<100	30	2	1.3	0.6	11	2	7	<5	21	<5	<0.5	8	23	60	<1	2
DP39	71	<100	170	2	1.3	<0.5	1	1	1	<5	29	6	<0.5	3	14	220	<1	<1
DP40	32	<100	70	3	1.7	0.6	6	2	3	<5	26	13	<0.5	6	26	80	<1	1
DS41	<5	<100	160	5	2.3	2.2	6	10	30	<5	54	<5	<0.5	47	42	10	<1	11
DS41-1	<5	<100	150	6	2.3	2.5	5	11	42	<5	54	<5	<0.5	60	37	10	<1	15
DS43	<5	<100	180	12	5	4.7	5	22	72	<5	65	<5	<0.5	109	30	40	<1	26
DS44	13	<100	310	10	4.7	3.1	4	15	16	15	78	<5	<0.5	46	38	40	<1	9
DS45	31	100	100	45	20.3	17.7	45	74	408	<5	37	<5	2.9	443	30	100	<1	125
DS46	7	<100	250	18	7.9	6.2	10	30	47	<5	93	<5	<0.5	105	73	60	<1	22
DS47	13	<100	220	17	7.5	6.5	10	31	65	<5	97	<5	<0.5	120	92	50	<1	27
DS48	14	<100	130	5	2.4	2.1	55	8	69	9	15	10	7.9	46	51	70	<1	14
DS49	35	200	130	5	2.2	1.6	112	6	40	11	10	13	15.9	28	34	130	<1	9
DS51	<5	<100	210	11	4.6	4.9	5	23	88	<5	52	<5	<0.5	122	35	10	<1	30
DP52	66	<100	390	10	10.5	0.9	83	4	3	<5	39	<5	0.7	8	33	680	<1	2
DS53	<5	<100	220	4	1.9	1.5	16	7	22	<5	54	<5	0.8	32	80	20	<1	8
DS54	<5	<100	180	3	1.2	1.1	13	5	15	<5	68	<5	0.5	23	67	<10	<1	6
DS55	<5	<100	180	3	1.2	1.3	7	5	20	<5	39	<5	<0.5	27	54	<10	<1	7
DP56	14	<100	420	2	1.3	0.7	5	3	4	<5	53	6	<0.5	8	61	30	<1	2
DP57	<5	<100	260	11	6.7	2.3	8	12	17	<5	60	<5	<0.5	33	107	50	<1	7
DS58	5	<100	200	15	6.6	6	10	27	127	<5	31	<5	<0.5	152	44	10	<1	40
DS59	27	<100	30	8	3.5	3.6	33	14	78	11	39	<5	4.1	82	31	50	<1	23
DS60	6	<100	160	36	15.9	13.8	16	65	572	<5	37	<5	1.2	421	39	50	<1	129
DS61	81	100	590	18	8	6.6	192	29	241	<5	15	6	4.4	183	153	120	<1	57
DS62	8	<100	890	29	12.5	11	13	52	143	<5	97	5	<0.5	235	122	70	<1	56
DS63	9	<100	110	14	5.9	5.5	26	24	230	<5	51	<5	1.2	169	56	30	<1	52
DS64	<5	<100	660	20	8	8	8	39	190	<5	76	<5	<0.5	219	47	<10	<1	56
DS65	67	100	420	6	2.9	2	118	7	49	18	12	37	14	36	80	160	<1	11
DS66	34	100	1130	9	4.2	3.5	143	13	100	22	6	63	15.1	75	101	90	<1	23
DS67	40	100	710	15	6.5	5.9	68	23	173	10	4	54	8.1	132	85	150	<1	40
DS68	44	<100	2240	8	4.1	3.5	17	16	65	<5	68	20	<0.5	89	80	20	<1	22
DS69	11	<100	560	18	7.8	6.8	18	34	123	<5	41	11	1.5	170	75	40	<1	42
DS70																		
DS71	11	<100	920	14	6.1	5.2	8	24	57	6	81	19	<0.5	97	155	70	<1	23

Samp No.	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
DP01	6	<1	12	1	1	320	1	<1	<10	1.4	<3	<0.5	<1	5	13	1	570	<5
DP02	14	<1	10	2	<1	290	1	<1	<10	1	<3	<0.5	<1	3	14	1	810	<5
DP03	13	<1	11	1	<1	260	<1	<1	<10	0.7	4	<0.5	<1	2	9	<1	1180	<5
DP04	14	<1	11	2	<1	270	<1	<1	<10	0.8	6	<0.5	<1	1	15	1	830	<5
DP05	18	<1	10	2	<1	230	<1	<1	<10	0.8	8	<0.5	<1	<1	12	1	300	<5
DP06	15	<1	9	7	<1	390	<1	2	<10	0.6	<3	<0.5	7	<1	68	6	500	<5
DP07	25	<1	10	2	<1	320	<1	<1	<10	1.3	7	<0.5	5	<1	11	<1	430	<5
DP08	11	<1	9	1	<1	260	<1	<1	<10	<0.5	<3	<0.5	2	<1	10	<1	740	<5
DP09	16	1	9	2	<1	310	<1	<1	<10	0.6	<3	0.7	11	<1	18	1	320	<5
DP10	11	<1	14	11	<1	210	<1	2	<10	1.1	<3	<0.5	4	<1	71	4	80	<5
DP11	14	<1	11	4	<1	270	<1	<1	<10	0.7	<3	<0.5	16	<1	55	3	280	<5
DP12	27	<1	14	<1	<1	270	<1	<1	<10	0.9	17	<0.5	4	<1	7	<1	310	<5
DP13	35	<1	16	5	<1	260	<1	<1	<10	2.9	10	<0.5	42	<1	35	2	930	<5
DP14	38	<1	15	12	<1	340	<1	2	<10	3.7	48	<0.5	7	<1	62	5	340	<5
DP15	21	<1	9	4	<1	340	<1	<1	<10	1.2	24	<0.5	8	<1	22	1	140	<5
DS16	78	<1	16	66	<1	430	<1	9	<10	37.2	345	<0.5	7	2	177	10	80	42
DS17	123	<1	6	18	<1	560	<1	3	<10	7.8	22	<0.5	6	<1	83	4	120	10
DP18	12	<1	7	3	<1	340	<1	<1	<10	<0.5	<3	<0.5	10	<1	25	2	490	<5
DP19	<5	<1	7	<1	<1	240	<1	<1	<10	<0.5	14	<0.5	6	<1	7	<1	260	<5
DP20	8	<1	9	2	<1	330	<1	<1	<10	0.7	30	<0.5	53	<1	17	2	220	<5
DP21	5	<1	6	<1	<1	240	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	130	<5
DP22	9	<1	6	<1	<1	290	<1	<1	<10	<0.5	<3	<0.5	71	<1	<5	<1	1160	<5
DP23	24	<1	6	2	<1	320	<1	<1	<10	<0.5	<3	<0.5	6	<1	19	2	1320	<5
DP24	<5	<1	6	2	<1	280	<1	<1	<10	<0.5	4	<0.5	4	<1	17	1	1200	<5
DP25	34	<1	12	15	<1	420	<1	4	<10	5.3	36	<0.5	32	3	191	16	380	<5
DS26	75	<1	10	65	<1	380	<1	9	<10	27.5	113	<0.5	9	<1	197	10	250	28
DS27	44	<1	12	44	<1	530	<1	6	<10	23.5	15	<0.5	2	4	146	8	460	26
DS28	49	<1	9	34	<1	240	<1	4	<10	13.5	58	<0.5	2	<1	101	5	120	16
DS29	58	<1	12	27	<1	290	<1	3	<10	18.8	29	<0.5	10	<1	74	5	120	26
DS30	79	<1	8	43	<1	350	<1	6	<10	23.7	87	<0.5	10	<1	119	7	290	26
DP31	15	<1	11	<1	<1	230	<1	<1	<10	0.6	<3	<0.5	2	<1	10	2	1420	9
DP32	24	<1	<5	<1	<1	350	<1	<1	<10	<0.5	4	<0.5	1	<1	<5	<1	240	<5
DP33	5	<1	<5	<1	<1	270	<1	<1	<10	<0.5	<3	<0.5	2	<1	<5	<1	530	<5
DP34	8	<1	<5	<1	<1	310	<1	<1	<10	<0.5	4	<0.5	2	<1	<5	<1	100	<5
DP35	6	<1	5	<1	<1	350	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	250	<5
DP36	12	<1	<5	<1	<1	330	<1	<1	<10	<0.5	<3	<0.5	<1	<1	6	<1	330	<5
DP37	7	<1	6	<1	<1	270	<1	<1	<10	<0.5	<3	<0.5	<1	<1	7	<1	140	<5
DP38	8	<1	<5	2	<1	210	<1	<1	<10	1.2	7	<0.5	<1	<1	11	1	730	<5
DP39	18	<1	<5	<1	<1	270	<1	<1	<10	<0.5	<3	<0.5	<1	<1	9	1	320	<5
DP40	6	<1	<5	2	<1	180	<1	<1	<10	<0.5	3	<0.5	<1	<1	13	2	230	<5
DS41	43	<1	11	10	<1	280	<1	1	<10	6.1	34	<0.5	8	<1	32	2	40	8
DS41-1	35	<1	9	12	<1	270	<1	1	<10	5.7	17	<0.5	7	<1	33	2	60	7
DS43	40	<1	14	23	<1	360	<1	3	<10	8.7	9	<0.5	2	<1	76	4	80	18
DS44	36	<1	13	13	<1	580	<1	2	<10	6.5	<3	<0.5	2	<1	64	3	60	16
DS45	150	<1	42	79	<1	420	<1	11	<10	30.1	767	0.6	14	<1	267	14	50	37
DS46	72	<1	14	27	<1	620	<1	4	<10	17	10	<0.5	4	<1	112	6	110	20
DS47	127	<1	16	29	<1	580	<1	4	<10	18.4	15	<0.5	8	<1	109	5	80	21
DS48	70	<1	23	8	1	150	<1	1	<10	11.3	2730	<0.5	3	1	28	2	90	38
DS49	156	<1	27	6	2	80	1	1	<10	16.8	5410	<0.5	3	2	22	2	100	55
DS51	89	<1	11	23	<1	270	<1	3	<10	6.3	56	0.5	3	<1	74	3	180	13
DP52	82	<1	18	3	<1	280	<1	1	<10	13.3	136	<0.5	13	2	56	11	120	<5
DS53	69	<1	9	7	<1	260	<1	<1	<10	9.2	70	<0.5	9	<1	27	1	50	11
DS54	14	<1	9	5	<1	310	<1	<1	<10	5.4	37	<0.5	4	<1	16	<1	50	7
DS55	67	<1	8	5	<1	180	<1	<1	<10	3.4	23	<0.5	8	<1	18	<1	130	7
DP56	33	<1	<5	2	<1	400	<1	<1	<10	<0.5	<3	<0.5	14	<1	16	<1	140	<5
DP57	42	<1	<5	8	<1	460	<1	2	<10	0.8	<3	<0.5	66	<1	86	5	190	<5
DS58	46	<1	13	28	<1	240	<1	4	<10	12.7	48	<0.5	5	<1	96	5	80	29
DS59	31	<1	13	15	<1	220	<1	2	<10	15	398	<0.5	4	<1	43	3	100	23
DS60	33	<1	26	69	<1	350	<1	9	<10	39.8	114	<0.5	13	<1	230	11	80	37
DS61	48	<1	25	31	<1	140	<1	4	<10	26.8	721	0.5	7	<1	96	6	180	42
DS62	22	2	15	51	35	600	<1	7	<10	15.7	9	<0.5	15	<1	188	9	110	19
DS63	42	<1	12	27	<1	290	<1	3	<10	11.6	183	<0.5	6	<1	88	4	40	15
DS64	43	<1	15	41	<1	400	<1	5	<10	9.4	19	<0.5	3	<1	128	6	80	14
DS65	63	<1	40	7	3	90	1	1	<10	7.6	5680	<0.5	3	2	32	2	190	41
DS66	78	<1	37	14	3	40	2	2	<10	21.9	4370	0.7	7	3	44	3	170	67
DS67	194	<1	30	24	1	20	<1	4	<10	19.3	2550	0.5	6	1	83	5	150	41
DS68	24	<1	9	17	<1	390	<1	2	<10	10.5	6	<0.5	12	<1	55	3	80	15
DS69	87	<1	14	35	<1	310	<1	5	<10	24.1	176	0.5	8	<1	106	5	70	30
DS70																		
DS71	108	<1	10	24	<1	540	<1	3	<10	15.6	19	<0.5	11	<1	81	4	230	13

<u>Samp No.</u>	<u>Northing</u>	<u>Easting</u>	<u>Date</u>	<u>Grid/Line/Station</u>	<u>Organic Cover</u>
DP72	5587643	497561	25-Sep-06	L4E 2+80S	MOSS, PEAT, BLOWDOWN, LAB TEA
DP73	5587627	497558	25-Sep-06	L4E 3+00S	MOSS, PEAT, BLOWDOWN
DP74	5587617	497548	25-Sep-06	L4E 3+20S	PEAT, MOSS, LEAVES
DS75	5587593	497548	25-Sep-06	L4E 3+40S	MOSS, PEAT, LEAVES, BLOWDOWN
DS76	5587573	497520	25-Sep-06	L4E 3+60S	MOSS, PEAT, FERNS, LEAVES, BLOWDOWN
DS77	5587558	497520	25-Sep-06	L4E 3+80S	PEAT, MOSS, LEAVES, BLOWDOWN
DS78	5587539	497517	25-Sep-06	L4E 4+00S	MOSS, PEAT, BLOWDOWN, GRASS
DS79	5587859	497772	25-Sep-06	L5E 0+00 BL	BLOWDOWN, GRASS, MOSS, PEAT, BRUSH
DS80	5587872	497785	25-Sep-06	L5E 0+20N	GRASS, BLOWDOWN, MOSS, PEAT
DS81	5587889	497794	25-Sep-06	L5E 0+40N	BLOWDOWN, CONIFER, LEAVES, PEAT
DS81.1	5587889	497794	25-Sep-06	L5E 0+40N	BLOWDOWN, CONIFER, LEAVES, PEAT
DS82	5587911	497805	25-Sep-06	L5E 0+60N	ROOTS, FERNS, PEAT, BLOWDOWN
DS83	5587935	497810	25-Sep-06	L5E 0+80N	LEAVES, BLOWDOWN, BRUSH, PEAT
DS84	5587945	497825	25-Sep-06	L5E 1+00N	MOSS, PEAT, BLOWDOWN, FERN, LEAVES
DS85	5587963	497831	25-Sep-06	L5E 1+20N	BLOWDOWN, PEAT, FERNS, LEAVES
DS86	5587999	497842	25-Sep-06	L5E 1+60N	BLOWDOWN, BRUSH, PEAT, MOSS
DS87	5588024	497849	25-Sep-06	L5E 1+80B	FERNS, LEAVES, MOS, PEAT, BLOWDOWN
DS88	5588023	497855	25-Sep-06	L5E 2+00N	PEAT, LEAVES, BRUSH, BLOWDOWN
DS89	5588060	497870	25-Sep-06	L5E 2+20N	LEAVES, CONIFER, BLOWDOWN, MOSS, PEAT
DS90	5588083	497881	25-Sep-06	L5E 2+40N	BLOWDOWN, BRUSH, PEAT, LEAVES
DS91	5588097	497892	25-Sep-06	L5E 2+60N	MOSS, PEAT, BLOWDOWN, LEAVES
DS92	5588110	497900	25-Sep-06	L5E 2+80N	TWIGS, PEAT, BLOWDOWN
DP93	5588043	497306	26-Sep-06	L0 0+20S	conifer, peat, roots, blowdown
DP94	5588027	497300	26-Sep-06	L0 0+40S	noss, peat, blowdown, conifer
DP95	5587987	497287	26-Sep-06	L0 0+80S	CONIFER, BLOWDOWN, PEAT, MOSS
DP96	5587973	497282	26-Sep-06	L0 1+00S	MOSS, PEAT, BLOWDOWN,
DP97	5587945	497269	26-Sep-06	L0 1+20S	MOSS, BLOWDOWN, PEAT
DP98	5587931	497257	26-Sep-06	L0 1+40S	MOSS, LEAVES, PEAT, BLOWDOWN
DP99	5587915	497249	26-Sep-06	L0 1+60S	MOSS, PEAT, CONIFER, BLOWDOWN
DP100	5587893	497239	26-Sep-06	L0 1+80S	MOSS, PEAT, BLOWDOWN, LEAVEA
DP101	5587878	497231	26-Sep-06	L0 2+00S	MOSS, BRUSH, PEAT, CONIFER, BLOWDOWN
DP102	5587858	497222	26-Sep-06	L0 2+20S	MOSS, BRUSH, PEAT, BLOWDOWN
DP103	5587844	497216	26-Sep-06	L0 2+40S	MOSS, PEAT, LEAVES
DP104	5587823	497210	26-Sep-06	L0 2+60S	MOSS, PEAT, BLOWDOWN
DP105	5587802	497199	26-Sep-06	L0 2+80S	MOSS, PEAT, BLOWDOWN
DP106	5587786	497190	26-Sep-06	L0 3+00S	MOSS, PEAT, BLOWDOWN
DP107	5587771	497184	26-Sep-06	L0 3+20S	MOSS, PEAT, BLOWDOWN
DP108	5587686	497083	26-Sep-06	L0 090-05	MOSS, PEAT, BLOWDOWN
YP-01	5588017	497411	22-Sep-06	BL0, L1E	Conif, labrador tea, mnr cedar swamp
YP-02	5588038	497422	22-Sep-06	0+20N, L1E	Conif, labrador tea, mnr cedar swamp
YP-03	5588058	497427	22-Sep-06	0+40N, L1E	Conif, labrador tea, mnr cedar swamp
YP-04	5588073	497436	22-Sep-06	0+60N, L1E	Conif (many seedlings), lab tea, mnr cedar swamp
YP-05	5588089	497439	22-Sep-06	0+80N, L1E	Conif, spagnum moss, lab tea
YP-06	5588112	497452	22-Sep-06	1+00N, L1E	Conif, spagnum moss, lab tea
YP-07	5588131	497458	22-Sep-06	1+20N, L1E	Conif, spagnum moss (~15cm thick), lab tea
YP-08	5588145	497469	22-Sep-06	1+40N, L1E	Conif, alder, forest thinning & swamp to NW
YP-09	5588161	497477	22-Sep-06	1+60N, L1E	Conif, thin forest, v. thick moss
YP-10	5588179	497485	22-Sep-06	1+80N, L1E	Conif, still thinning, swamp to W ~30m
YP-11	5588196	497492	22-Sep-06	2+00N, L1E	Conif, alder, swampy, lab tea
YP12	5588005	497404	23-Sep-06	L1E 0+20S	conifer, sm thin spruce forest, lab tea, thick sphagnum moss
YS13	5587988	497396	23-Sep-06	L1E 0+40S	conifer, thin spruce forest, moss, lab tea, alders
YS14	5587965	497397	23-Sep-06	L1E 0+60S	conifer, thin spruce forest, leass swampy
YS15	5587950	497385	23-Sep-06	L1E 0+80S	conifer, spruce, lab tea, moss
YP16	5587937	497371	23-Sep-06	L1E 1+00S	conifer
YP17	5587914	497359	23-Sep-06	L1E 1+20S	conifer, cedar swamp
YS18	5587869	497343	23-Sep-06	L1E 1+60S	small conifers just south of cedar swamp, moss and lab tea
YS19	5587854	497337	23-Sep-06	L1E 1+80S	conifer. Getting into thicker spruce. Moss, lab tea
YS20	5587835	497323	23-Sep-06	L1E 2+00S	conifer, spindly spruce, sphagnum moss, lab tea,
YS21	5587822	497319	23-Sep-06	L1E 2+20S	conifer, spruce, moss, lab tea
YS22	5587799	497316	23-Sep-06	L1E 2+40S	thin spruce, moss, lab tea
YS23	5587781	497304	23-Sep-06	L1E 2+60S	conifer, spruce. Larger trees to s, moss, lab tea thinning
YS24	5587762	497298	23-Sep-06	L1E 2+80S	20-30 cm dia spruce. Moss and some lab tea. Alder swamp close by
YS25	5587748	497288	23-Sep-06	L1E 3+00S	spruce. Alder swamp just to N (5m)
YS26	5587728	497280	23-Sep-06	L1E 3+20S	spruce, alder, thick moss
YS27	5587704	497268	23-Sep-06	L1E 3+40S	spruce with blowdown. Mnr poplar/alder, moss + thin lab tea
YS28	5587688	497265	23-Sep-06	L1E 3+60S	blowdown
YS29	5587672	497257	23-Sep-06	L1E 3+80S	blowdown
YS30	5587656	497250	23-Sep-06	L1E 4+00S	spruce mixed with poplar. Alder. Moss
YS31	5587948	497586	24-Sep-06	L3E BL 0	tall big spruce & poplar, open forest. moss patches
YS32	5587967	497601	24-Sep-06	L3E 0+20N	thick tall spruce stand at base of bedrock ridge
YS33	5587974	497610	24-Sep-06	L3E 0+40N	conifer/deciduous. spruce poplar mix. some alders along cut line

<u>Samp No.</u>	<u>Terrain</u>	<u>Upslope/Az/Rise</u>	<u>Samp Top</u>	<u>Samp Bot</u>	<u>%Sand</u>	<u>%Silt</u>
DP72	FLAT	060-05	45	55		
DP73	FLAT	060-05	50	60		
DP74	FLAT	030-05	50	60		
DS75	FLAT	090-05	30	40	70	20
DS76	FLAT	090-05	25	35	100	
DS77	FLAT	100-05	30	40		
DS78	FLAT	100-05	25	35		20
DS79	FLAT	280-05	55	65	75	25
DS80	FLAT	270-05	25	35	90	10
DS81	FLAT	000-05	25	35	90	10
DS81.1	FLAT	000-05	25	35	90	10
DS82	FLAT	300-15	25	35	100	
DS83	FLAT	010-05	25	35	100	
DS84	FLAT	195-05	25	35	50	20
DS85	FLAT	180-08	25	35	80	15
DS86	FLAT	200-10	25	35	75	20
DS87	FLAT	180-08	25	35	80	15
DS88	FLAT	200-08	25	35	25	30
DS89	FLAT	170-05	25	35	70	20
DS90	FLAT	175-05	25	35	30	30
DS91	FLAT	170-10	25	35	75	20
DS92	FLAT	170-10	25	35	75	25
DP93	flat	300-05	50	60		
DP94	flT	310-05	50	60		
DP95	FLAT	350-15	50	60		
DP96	FLAT	270-15	50	60		
DP97	FLAT	280-15	50	60		
DP98	FLAT	100-05	50	60		
DP99	FLAT	280-05	50	60		
DP100	FLAT	300-05	50	60		
DP101	FLAT	320-05	50	60		
DP102	FLAT	300-05	50	60		
DP103	FLAT	300-05	50	60		
DP104	FLAT	300-05	50	60		
DP105	FLAT	290-05	40	50		
DP106	FLAT	280-05	50	60		
DP107	FLAT	280-05	50	60		
DP108	FLAT	090-05	50	60		
YP-01	flat	080-05	55	60	7	
YP-02	flat with swampy potholes	095-05	45	55		
YP-03	flat with swampy potholes	100-05	60	70		
YP-04	flat with swampy potholes	110-04	60	65		
YP-05	flat with swampy potholes	115-05	70	80		
YP-06	flat with swampy potholes	123-03	65	75		
YP-07	flat with swampy potholes	130-02	70	80		
YP-08	flat with swampy potholes	150-02	70	75		
YP-09	flat	160-02	70	75		
YP-10	flat with swampy potholes	158-05	55	60		
YP-11	flat with swampy potholes	160-05	55	65		
YP12	flat with pot hole swamps	120-06	45	55		
YS13	flat, less swampy	130-07	35	40	80	10
YS14	flat with gentle slope	140-08	60	70	70	10
YS15	flat, gentle slope,rolling hummocks	120-12	40	45	60	20
YP16	flat, gentle slope towards cedar swamp	080-06	65	75	10	
YP17	gentle slope with deep swampy potholes	070-07	60	70		
YS18	flat with gentle slope	165-10	40	45		
YS19	flat with some pothole swamps	150-08	40	50	50	
YS20	flat	150-10	40	50	25	
YS21	flat. Gently sloping. Slightly hummocky	135-07	45	55	45	
YS22	flat with gentle slope to SE	125-07	35	45	20	
YS23	flat with potholes	110-03	50	55	25	
YS24	flat	090-03	35	40		
YS25	hummocky	170-03	75	90	80	10
YS26	flat, hummocky	130-03	60	75		
YS27	hummocky	070-03				
YS28	hummocky with upturned tree roots	220-15	30	40	5	25
YS29	hummocky on slope toward outcrop 10 cm away	240-12	25	35	40	50
YS30	sloping off outcrop	275-30	30	40	70	30
YS31	hill slope on edge of outcrop cliff	120-30	35	45	90	
YS32	at base of 6m bedrock ridge then slopes down 10 to wnw	120-30	45	55	75	15
YS33	sloping away from bedrock ridge	150-20	65	75	60	20

<u>Samp No.</u>	<u>%Clay</u>	<u>%Organic</u>	<u>S Colour</u>	<u>Ag</u>	<u>Al</u>	<u>As</u>	<u>Au</u>	<u>Ba</u>	<u>Bi</u>	<u>Ca</u>	<u>Cd</u>	<u>Ce</u>
DP72		100	BLACK	<1	27	<10	<0.1	120	<1	370	<10	19
DP73		100	BLACK	<1	4	<10	<0.1	90	<1	260	<10	<5
DP74		100	BLACKISH BROWN	<1	16	<10	<0.1	130	<1	340	10	15
DS75	10		GREY	8	5	20	0.1	820	<1	500	<10	151
DS76			BROWN	4	33	30	0.1	210	<1	310	<10	421
DS77	100		GREY	6	11	20	0.2	1140	<1	700	<10	210
DS78	80		DARK GREY	4	53	20	<0.1	630	<1	550	20	326
DS79			GREY	10	17	10	0.1	410	<1	520	<10	65
DS80			GREY	83	27	10	0.1	540	<1	280	<10	310
DS81			BROWNISH GREY	3	236	30	0.1	1140	<1	100	<10	1000
DS81.1			BROWNISH GREY	2	218	30	<0.1	1200	<1	90	<10	987
DS82			BROWNISH GREY	3	168	30	0.1	1170	<1	70	<10	945
DS83			BROWNISH GREY	2	165	40	<0.1	910	1	170	10	276
DS84	20	10	GREY	3	32	30	0.1	860	<1	350	<10	428
DS85		5	BROWNISH GREY	3	36	20	<0.1	1300	<1	290	<10	205
DS86		5	BROWN	2	255	30	0.1	380	<1	50	<10	311
DS87	5		GREYISH BROWN	4	235	40	<0.1	1370	1	160	<10	271
DS88	35	10	BROWNISH GREY	7	14	10	0.2	990	<1	470	<10	57
DS89		10	GREY AND BROWN MIX	2	235	30	0.1	780	1	100	<10	387
DS90	30	10	GREYISH BROWN	4	18	10	0.2	800	<1	400	<10	86
DS91		5	GREYISH BROWN	1	220	30	0.1	1530	<1	60	<10	1160
DS92			GREYISH BROWN	3	132	30	0.2	1320	<1	140	<10	1930
DP93		100	black	1	4	<10	<0.1	110	<1	360	<10	<5
DP94		100	BLACK WITH BROWN WOOD FIBRE	<1	3	<10	<0.1	90	<1	330	<10	<5
DP95		100	BLACK	<1	2	<10	<0.1	130	<1	420	20	<5
DP96		100	BLACK	<1	10	<10	<0.1	110	<1	340	10	<5
DP97		100	BLACK	<1	5	<10	<0.1	100	<1	330	20	<5
DP98		100	BLACK	<1	5	<10	<0.1	100	<1	300	20	<5
DP99		100	BLACK	<1	4	<10	<0.1	110	<1	390	10	<5
DP100		100	BLACK	<1	4	<10	<0.1	130	<1	440	30	<5
DP101		100	BLACK	2	23	<10	<0.1	160	<1	460	20	11
DP102		100	BLACK	<1	2	<10	<0.1	120	<1	430	10	<5
DP103		100	BLACK	<1	2	<10	<0.1	80	<1	300	<10	<5
DP104		100	BLACK	<1	8	<10	<0.1	130	<1	410	20	6
DP105		100	BLACK	<1	3	<10	<0.1	90	<1	300	<10	<5
DP106		100	BLACK	<1	8	<10	<0.1	120	<1	330	20	7
DP107		100	BLACK WITH BROWN WOOD FIBRE	2	28	<10	<0.1	120	<1	310	30	34
DP108		100	BLACK	4	16	10	0.3	520	<1	380	<10	35
YP-01		93	very black	3	8	<10	<0.1	120	<1	410	10	5
YP-02		100	dk brown to black (dk charcoal grey)	5	2	<10	<0.1	80	<1	320	<10	<5
YP-03		100	dk brown to black	4	1	<10	<0.1	70	<1	280	<10	<5
YP-04		100	dk brn to charcoal black	6	<1	<10	<0.1	70	<1	300	<10	<5
YP-05		100	blk to brn patches	4	2	<10	<0.1	40	<1	240	<10	<5
YP-06		100	blk - charcoal gry; brn wood	3	1	<10	<0.1	50	<1	250	<10	<5
YP-07		100	blk with brn wood	2	2	<10	<0.1	100	<1	320	10	<5
YP-08		100	blk with brn wood	<1	1	<10	<0.1	60	<1	300	<10	<5
YP-09		100	blk with brn wood	3	1	<10	<0.1	70	<1	300	<10	<5
YP-10		100	blk w/ brn roots & wood	2	1	<10	<0.1	70	<1	330	<10	<5
YP-11		100	brn roots, blk organics	3	2	<10	<0.1	40	<1	260	<10	<5
YP12		100	black	4	12	<10	<0.1	90	<1	370	20	<5
YS13		10	grey to brownish grey layered with organics	4	7	<10	<0.1	420	<1	290	<10	102
YS14		20	grey with black (organic) horizons	7	4	<10	<0.1	260	<1	270	<10	14
YS15	15	5	grey to brown with black layers	8	8	<10	<0.1	480	<1	260	<10	117
YP16		90	black-jet black with thin grey sand horizon	4	27	<10	<0.1	90	<1	390	20	8
YP17		100	black	2	45	<10	<0.1	140	<1	360	20	5
YS18	95	5	light brown to greyish light brown	2	4	<10	0.2	560	<1	360	<10	<5
YS19	50		light brown to greyish light brown	4	4	<10	0.3	430	<1	220	<10	80
YS20	65	10	grey to light brown	8	5	<10	0.1	710	<1	360	<10	9
YS21	50	5	clay=light brown. Sand=grey. Org=black	7	4	<10	0.2	720	<1	380	<10	14
YS22	80		med grey to light grey	8	7	<10	0.3	930	<1	480	<10	11
YS23	70	5	lt brow. Grey sand	5	6	<10	<0.1	1310	<1	510	<10	115
YS24	100		lt brown	5	3	<10	0.2	820	<1	310	<10	17
YS25	10		grey-light brown	5	3	<10	<0.1	830	<1	320	<10	14
YS26	100		lt brown	4	3	<10	0.2	590	<1	310	<10	11
YS27	100		lt brown	3	3	<10	0.2	660	<1	300	<10	6
YS28	70		lt brown	3	3	<10	<0.1	550	<1	270	<10	22
YS29	10		lt brown	6	2	<10	0.2	370	<1	270	<10	<5
YS30			lt brown	<1	54	<10	<0.1	340	<1	20	<10	286
YS31		10	LT BRN TO BRWN	5	155	10	0.7	250	1	10	<10	200
YS32		10	MED BROWN WITH BLACK LAYERS	3	24	<10	0.1	200	<1	200	<10	64
YS33	15	5	LT BROWN	6	9	<10	0.7	370	<1	270	<10	132

Samp No.	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr
DP72	53	<100	1430	3	1.7	1.1	19	5	16	<5	42	50	<0.5	20	137	10	<1	5
DP73	10	<100	30	1	0.6	<0.5	1	1	1	<5	36	20	<0.5	4	12	60	<1	<1
DP74	28	<100	110	2	1.2	0.7	3	3	7	<5	43	22	<0.5	10	41	40	<1	2
DS75	19	<100	610	7	3	3.8	4	16	63	<5	49	13	<0.5	90	57	20	<1	22
DS76	15	<100	310	29	13.3	12.3	11	53	417	<5	26	54	0.9	362	63	30	<1	104
DS77	15	<100	440	18	7.5	7.2	8	33	88	<5	92	15	<0.5	144	111	50	<1	34
DS78	<5	<100	160	35	16.1	11.3	22	52	148	6	90	14	<0.5	226	117	70	<1	57
DS79	<5	<100	400	20	8.7	7.9	8	37	93	<5	76	<5	<0.5	163	123	20	<1	38
DS80	14	<100	100	14	6.2	5.4	18	23	118	<5	45	<5	1.4	131	39	30	<1	37
DS81	39	200	120	47	20.5	17	118	73	373	43	21	6	17.9	407	102	200	<1	113
DS81.1	30	100	90	38	15.7	14.7	90	62	379	37	21	5	15	368	82	170	<1	105
DS82	20	100	90	45	19.8	16	85	68	378	13	9	5	9	396	58	140	<1	114
DS83	35	200	110	14	6.2	4.9	109	19	129	10	18	8	16	106	55	270	<1	32
DS84	8	<100	80	22	9.6	8.5	20	38	184	<5	46	<5	1.5	208	44	80	<1	57
DS85	12	<100	70	12	5.8	4.3	29	20	96	<5	44	<5	2.3	108	42	60	<1	29
DS86	33	300	360	22	9.9	7.1	149	29	139	<5	2	12	7	139	121	120	<1	39
DS87	55	200	170	19	9.1	6.3	172	26	121	58	31	11	26	125	132	250	<1	34
DS88	5	<100	190	23	9.7	8.8	7	42	101	<5	76	<5	<0.5	163	68	20	<1	38
DS89	74	200	150	16	7	5.6	172	23	174	35	13	9	31.8	140	89	220	<1	42
DS90	9	<100	240	13	5.7	4.8	10	22	69	<5	62	<5	1	103	56	<10	<1	25
DS91	33	100	230	46	19.1	16.5	66	67	409	16	17	<5	12.7	359	60	210	<1	101
DS92	32	100	130	127	62.7	37.6	76	180	750	8	41	<5	10.1	916	63	260	<1	253
DP93	16	<100	100	2	1.5	<0.5	4	2	1	<5	47	9	<0.5	4	18	40	<1	<1
DP94	13	<100	30	1	0.7	<0.5	1	1	<1	<5	45	7	<0.5	2	17	90	<1	<1
DP95	11	<100	20	<1	0.6	<0.5	1	<1	<1	<5	60	<5	<0.5	2	12	380	<1	<1
DP96	9	<100	30	2	1.4	0.5	9	2	1	<5	43	9	<0.5	5	33	100	<1	<1
DP97	8	<100	20	2	1.9	<0.5	1	2	<1	<5	35	6	<0.5	3	26	40	<1	<1
DP98	18	<100	20	2	1.1	<0.5	1	2	<1	<5	41	9	<0.5	3	15	70	<1	<1
DP99	<5	<100	20	3	1.8	0.8	1	3	1	<5	59	<5	<0.5	6	11	90	<1	<1
DP100	<5	<100	20	3	1.6	0.6	1	3	<1	<5	66	<5	<0.5	5	143	130	<1	<1
DP101	7	<100	80	9	5.8	1.6	5	8	6	<5	55	<5	<0.5	16	35	100	<1	3
DP102	<5	<100	20	2	0.9	<0.5	1	2	<1	<5	60	<5	<0.5	4	23	50	<1	<1
DP103	<5	<100	10	<1	<0.5	<0.5	<1	<1	<1	<5	36	<5	<0.5	2	5	80	<1	<1
DP104	18	<100	70	3	1.7	0.8	4	3	3	<5	54	<5	<0.5	8	31	30	<1	1
DP105	<5	<100	170	1	0.7	<0.5	1	2	1	<5	37	<5	<0.5	5	27	40	<1	<1
DP106	7	<100	30	3	1.7	0.7	2	3	2	<5	38	<5	<0.5	7	33	20	<1	1
DP107	10	<100	40	11	7.7	2.1	12	11	13	<5	37	<5	<0.5	26	33	100	<1	5
DP108	<5	<100	410	5	2.2	1.8	9	8	21	<5	34	11	0.8	33	31	<10	<1	8
YP-01	<5	<100	70	2	1.3	<0.5	3	2	2	<5	31	<5	0.6	3	63	30	<1	<1
YP-02	8	<100	50	<1	<0.5	<0.5	1	<1	2	<5	39	<5	<0.5	<1	28	10	<1	<1
YP-03	13	<100	70	<1	<0.5	<0.5	2	<1	2	<5	34	5	<0.5	<1	27	<10	<1	<1
YP-04	34	<100	60	<1	<0.5	<0.5	2	<1	<1	<5	25	7	<0.5	<1	26	<10	<1	<1
YP-05	<5	<100	30	<1	<0.5	<0.5	11	<1	3	<5	24	10	<0.5	<1	18	20	<1	<1
YP-06	12	<100	80	<1	<0.5	<0.5	5	<1	<1	<5	16	6	<0.5	<1	44	<10	<1	<1
YP-07	32	<100	80	1	1.3	<0.5	3	<1	<1	<5	15	7	<0.5	<1	35	<10	<1	<1
YP-08	20	<100	150	<1	<0.5	<0.5	2	<1	2	<5	42	8	<0.5	<1	40	<10	<1	<1
YP-09	38	<100	10	<1	<0.5	<0.5	1	<1	1	<5	41	8	<0.5	<1	28	<10	<1	<1
YP-10	26	<100	110	<1	0.7	<0.5	2	<1	2	<5	43	<5	<0.5	<1	28	<10	<1	<1
YP-11	<5	<100	70	1	0.7	<0.5	1	1	2	<5	30	<5	<0.5	1	19	10	<1	<1
YP12	14	<100	290	2	2	<0.5	3	2	2	<5	14	<5	<0.5	2	93	10	<1	<1
YS13	13	<100	270	8	3.1	3.1	3	14	42	6	40	<5	1.3	65	42	30	<1	13
YS14	<5	<100	240	5	2.1	2	3	9	24	5	38	<5	0.7	42	41	<10	<1	8
YS15	<5	<100	150	10	4.1	4	6	18	62	<5	59	<5	1.2	92	36	20	<1	20
YP16	<5	<100	100	6	5.4	0.7	3	5	3	<5	20	<5	<0.5	5	76	30	<1	1
YP17	13	<100	140	3	2.7	<0.5	2	2	2	<5	15	25	<0.5	2	140	20	<1	<1
YS18	<5	<100	330	5	2.5	1.3	2	7	4	17	62	<5	<0.5	12	31	30	<1	2
YS19	<5	<100	210	8	3.3	3.1	3	13	41	6	35	<5	1	68	29	10	<1	14
YS20	<5	<100	310	10	3.9	3.8	2	18	35	<5	65	<5	<0.5	67	35	<10	<1	12
YS21	<5	<100	300	8	3.4	3.4	2	15	29	10	64	<5	<0.5	59	37	<10	<1	11
YS22	<5	<100	350	21	9	6	3	31	24	<5	89	<5	<0.5	69	60	20	<1	11
YS23	<5	<100	160	21	8.4	7.6	5	36	77	<5	76	<5	<0.5	149	58	30	<1	28
YS24	<5	<100	180	6	3.1	2.2	2	10	16	18	49	<5	<0.5	35	19	30	<1	6
YS25	<5	<100	300	12	4.8	4.5	2	22	53	8	31	<5	<0.5	99	33	10	<1	19
YS26	<5	<100	210	7	2.9	2.1	2	10	11	12	51	<5	<0.5	28	36	20	<1	5
YS27	<5	<100	360	5	2.2	1.6	1	8	10	7	50	<5	<0.5	23	28	10	<1	4
YS28	<5	<100	340	8	3.4	3	5	13	43	<5	24	<5	0.6	64	26	<10	<1	13
YS29	<5	<100	480	7	3	2.4	2	11	21	<5	40	<5	<0.5	45	25	<10	<1	9
YS30	10	<100	170	18	7.6	6.6	13	27	130	<5	1	<5	0.9	158	13	70	<1	39
YS31	54	100	21100	13	5.9	4.6	87	19	108	6	<1	34	7.8	98	112	20	<1	25
YS32	14	<100	1390	5	2.2	2.5	10	10	52	5	21	9	0.6	64	193	20	<1	14
YS33	<5	<100	2070	5	2.1	3.5	6	12	91	<5	25	9	<0.5	95	75	10	<1	23

<u>Samp No.</u>	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
DP72	12	<1	<5	4	<1	350	<1	<1	<10	0.9	<3	<0.5	40	<1	23	1	820	<5
DP73	15	<1	<5	1	<1	300	<1	<1	<10	<0.5	<3	<0.5	<1	<1	6	<1	580	<5
DP74	25	<1	<5	2	<1	350	<1	<1	<10	<0.5	<3	<0.5	4	<1	13	<1	30	8
DS75	69	<1	8	17	<1	480	<1	2	<10	3.3	15	<0.5	5	<1	48	2	70	14
DS76	88	<1	23	58	<1	310	<1	7	<10	26.1	98	<0.5	12	1	194	10	70	41
DS77	60	<1	9	34	<1	670	<1	5	<10	14.5	7	<0.5	17	<1	109	5	130	14
DS78	102	<1	12	51	<1	530	<1	8	<10	17.8	16	<0.5	44	<1	198	11	410	19
DS79	29	<1	7	36	<1	320	<1	5	<10	7.6	14	<0.5	11	<1	136	6	60	16
DS80	145	<1	10	25	<1	270	<1	3	<10	21.7	223	<0.5	9	<1	77	4	130	26
DS81	204	<1	78	79	2	190	2	11	<10	73.1	4090	0.9	12	2	244	15	130	155
DS81.1	181	<1	64	67	2	230	1	9	<10	61.7	3530	0.9	9	2	193	12	100	140
DS82	159	<1	56	74	1	80	<1	10	<10	71.7	1940	0.6	11	1	233	15	100	98
DS83	191	<1	33	21	2	230	1	3	<10	37.6	4790	<0.5	7	2	69	4	310	89
DS84	194	<1	16	41	<1	380	<1	5	<10	29	264	<0.5	16	<1	124	7	120	25
DS85	166	<1	13	21	<1	360	<1	3	<10	23.8	605	<0.5	10	<1	67	4	110	29
DS86	101	<1	41	29	<1	20	<1	5	<10	20.5	1510	<0.5	10	1	116	7	90	56
DS87	285	<1	68	26	3	220	2	4	<10	33.9	7660	1	11	2	105	7	150	131
DS88	73	<1	6	39	<1	490	<1	6	<10	18.9	27	<0.5	7	<1	133	6	80	18
DS89	240	<1	52	25	5	110	3	4	<10	41.9	11600	0.5	6	3	80	5	240	99
DS90	107	<1	8	23	<1	330	<1	3	<10	18.2	134	<0.5	2	<1	78	4	120	29
DS91	310	<1	64	70	1	320	1	11	<10	104	2860	0.8	9	2	222	14	70	195
DS92	189	<1	88	179	<1	220	1	28	<10	123	2180	1	17	2	684	47	100	140
DP93	6	<1	<5	1	3	360	<1	<1	<10	<0.5	<3	<0.5	<1	<1	13	1	740	7
DP94	7	<1	<5	<1	<1	320	<1	<1	<10	<0.5	<3	<0.5	<1	<1	6	<1	1800	<5
DP95	40	<1	<5	<1	<1	410	<1	<1	<10	<0.5	<3	<0.5	<1	<1	5	<1	940	<5
DP96	20	<1	<5	2	<1	390	<1	<1	<10	<0.5	<3	<0.5	1	<1	14	1	430	<5
DP97	10	<1	<5	1	<1	350	<1	<1	<10	<0.5	<3	<0.5	<1	<1	17	1	1190	<5
DP98	17	<1	<5	1	<1	330	<1	<1	<10	<0.5	<3	<0.5	2	<1	11	<1	180	<5
DP99	12	<1	<5	2	<1	410	<1	<1	<10	<0.5	<3	<0.5	<1	<1	20	1	370	<5
DP100	12	<1	<5	2	<1	410	<1	<1	<10	<0.5	<3	<0.5	<1	<1	17	1	210	<5
DP101	12	<1	<5	5	<1	410	<1	1	<10	1.3	<3	<0.5	11	2	65	5	90	<5
DP102	12	<1	<5	1	<1	360	<1	<1	<10	0.6	<3	<0.5	<1	<1	10	<1	720	<5
DP103	9	<1	<5	<1	<1	250	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	410	<5
DP104	15	<1	<5	3	<1	370	<1	<1	<10	0.6	<3	<0.5	4	<1	19	1	70	<5
DP105	10	<1	<5	1	<1	270	<1	<1	<10	<0.5	<3	<0.5	7	<1	9	<1	900	<5
DP106	11	<1	<5	2	<1	330	<1	<1	<10	<0.5	<3	<0.5	4	<1	20	1	1360	<5
DP107	19	<1	<5	8	<1	310	<1	2	<10	1.1	4	<0.5	12	<1	76	6	120	<5
DP108	48	<1	<5	8	<1	270	<1	1	<10	8.3	166	<0.5	3	<1	30	2	50	13
YP-01	12	<1	<5	1	<1	330	1	<1	<10	1.4	3	<0.5	5	4	13	1	190	24
YP-02	7	<1	<5	<1	<1	220	<1	<1	<10	1.2	8	<0.5	2	2	<5	<1	320	23
YP-03	8	<1	<5	<1	<1	190	<1	<1	<10	1	8	<0.5	<1	<1	<5	<1	360	<5
YP-04	7	<1	<5	<1	<1	220	<1	<1	<10	0.5	<3	<0.5	<1	<1	<5	<1	140	24
YP-05	8	<1	<5	<1	<1	140	<1	<1	<10	0.8	10	<0.5	<1	<1	<5	<1	360	<5
YP-06	<5	<1	<5	<1	<1	180	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	360	<5
YP-07	<5	1	<5	<1	<1	280	<1	<1	<10	<0.5	<3	<0.5	<1	<1	6	1	490	22
YP-08	<5	<1	<5	<1	<1	220	<1	<1	<10	0.5	8	<0.5	<1	<1	<5	<1	440	21
YP-09	9	<1	<5	<1	<1	200	<1	<1	<10	<0.5	10	<0.5	<1	<1	<5	<1	670	23
YP-10	5	<1	<5	<1	<1	250	<1	<1	<10	<0.5	8	<0.5	<1	<1	6	<1	320	24
YP-11	<5	<1	<5	<1	<1	200	<1	<1	<10	<0.5	9	<0.5	<1	<1	7	<1	350	<5
YP12	17	<1	<5	<1	<1	300	<1	<1	<10	<0.5	<3	<0.5	6	<1	16	1	30	<5
YS13	39	<1	14	14	<1	250	2	2	<10	8.2	78	<0.5	1	1	44	2	40	14
YS14	43	<1	12	9	<1	210	1	1	<10	4.3	34	<0.5	<1	2	29	1	30	22
YS15	56	<1	13	18	<1	250	1	2	<10	7.4	165	<0.5	1	2	55	3	30	15
YP16	36	<1	<5	2	<1	290	<1	<1	<10	<0.5	<3	<0.5	3	<1	42	4	1130	<5
YP17	14	<1	<5	1	<1	330	<1	<1	<10	<0.5	4	<0.5	8	<1	16	3	<20	<5
YS18	20	<1	15	5	<1	480	<1	<1	<10	3.9	3	<0.5	2	2	30	2	30	24
YS19	24	<1	11	14	<1	230	<1	2	<10	6.4	139	<0.5	<1	1	47	2	30	16
YS20	39	<1	12	17	<1	420	<1	2	<10	4.6	6	<0.5	<1	<1	57	3	<20	13
YS21	43	<1	10	15	<1	360	<1	2	<10	3.3	15	<0.5	<1	<1	46	2	60	19
YS22	50	<1	10	23	<1	640	<1	4	<10	5.7	<3	<0.5	2	<1	114	6	60	16
YS23	52	<1	12	34	<1	760	<1	4	<10	10.4	<3	<0.5	10	<1	104	6	40	22
YS24	24	<1	8	8	<1	480	<1	1	<10	4.8	<3	<0.5	1	<1	39	2	30	26
YS25	49	<1	14	21	<1	380	<1	3	<10	6.1	10	<0.5	1	<1	68	4	20	17
YS26	13	<1	7	8	<1	420	<1	1	<10	4.4	<3	<0.5	1	<1	37	2	<20	13
YS27	19	<1	8	6	<1	410	<1	<1	<10	2.1	<3	<0.5	<1	<1	30	2	<20	32
YS28	9	<1	13	13	<1	270	<1	2	<10	5.8	106	<0.5	<1	<1	51	3	20	21
YS29	21	<1	11	10	<1	270	<1	1	<10	3.6	13	<0.5	<1	<1	45	2	<20	36
YS30	89	<1	23	29	<1	<10	<1	4	<10	16.6	142	<0.5	5	<1	83	5	140	91
YS31	163	<1	31	18	<1	<10	1	3	<10	33.5	1050	<0.5	10	6	62	5	80	19
YS32	93	<1	9	11	<1	130	<1	1	<10	4.8	89	<0.5	8	<1	25	2	70	18
YS33	61	<1	11	15	<1	300	<1	1	<10	8.3	79	<0.5	5	<1	24	2	20	17

<u>Samp No.</u>	<u>Northing</u>	<u>Easting</u>	<u>Date</u>	<u>Grid/Line/Station</u>	<u>Organic Cover</u>
YS34	5587985	497610	24-Sep-06	L3E 0+60N	mainly poplar in immediate vicinity
YS35	5588004	497626	24-Sep-06	L3E 0+80N	spruce with 50/50 moss-humus cover
YS36	5588033	497632	24-Sep-06	L3E 1+00N	spruce stand with thin moss cover over boulder rich ground
YS37	5588046	497636	24-Sep-06	L3E 1+20N	spruce poplar mix. small blowdown. bedrock ridge on cut line
YS38	5588068	497653	24-Sep-06	L3E 1+40N	spruce grove with 10cm thick moss cover
YS39	5588083	497665	24-Sep-06	L3E 1+60N	spruce grove with mossy forest floor
YP40	5588120	497682	24-Sep-06	L3E 2+00n	spruce and jackpine on outcrop ridge
YS41	5588144	497685	24-Sep-06	L3E 2+20N	spruce forest with lab tea and moss floor
YP43	5588158	497694	24-Sep-06	L3E 2+40N	spruce grove + lab tea
YP44	5588177	497704	24-Sep-06	L3E 2+60N	spruce and lab tea
YP45	5588201	497712	24-Sep-06	L3E 2+80N	spruce grove with lab tea
YS46	5587918	497578	24-Sep-06	L3E 0+20S	spruce, poplar, alder swamp mix. patchy moss
YS47	5587910	497568	24-Sep-06	L3E 0+40S	spruce, poplar, alder mix. leaf humus cover
YS48	5587897	497563	24-Sep-06	L3E 0+60S	spruce with some blowdown. thin moss over bedrock in most places
YS49	5587868	497562	24-Sep-06	L3E 0+80S	spruce with sphagnum moss & lab tea
YS50	5587858	497554	24-Sep-06	L3E 1+00S	spruce, moss, lab tea
YS51	5587825	497555	25-Sep-06	L3E 1+20S	spruce and alder. lab tea
YS52	5587814	497544	25-Sep-06	L3E 1+40S	spruce, moss, lab tea, some alder
YS53	5587802	497515	25-Sep-06	L3E 1+60S	small spruce, thick moss & lab tea
YS54	5587784	497512	25-Sep-06	L3E 1+80S	small spruce, thick moss, lab tea cover
YS55	5587766	497500	25-Sep-06	L3E 2+00S	spruce, moss, lab tea
YS56	5587744	497508	25-Sep-06	L3E 2+20S	spruce, moss, some alder
YS57	5587732	497496	25-Sep-06	L3E 2+40S	spruce, moss, lab tea, cedar swamp
YP58	5587707	497493	25-Sep-06	L3E 2+60S	sm spruce, moss, lab tea, cedar swamp
YP59	5587691	497483	25-Sep-06	L3E 2+80S	spruce, moss, lab tea, cedar swamp
YS60	5587615	497453	25-Sep-06	L3E 3+60S	cedar swamp, spruce, alders, thick moss and lab tea
YS61	5587596	497446	25-Sep-06	L3E 3+80S	spruce, alder, mixed with moss, lab tea
YS62	5587579	497439	25-Sep-06	L3E 4+00S	open spruce forest, thin moss cover
YS63	5587837	497770	25-Sep-06	L5E 0+20S	healthy spruce/birch stand with hummocky
YS64	5587819	497760	25-Sep-06	L5E 0+40S	healthy balsam fir stand with lg poplar
YS65	5587799	497756	25-Sep-06	L5E 0+60S	poplar, fir, spruce stand. open forest with some blowdown
YS66	5587779	497736	25-Sep-06	L5E 0+80S	poplar, balsam fir stand. leaves/lab tea on forest floor
YS67	5587771	497739	25-Sep-06	L5E 1+00S	poplar
YS68	5587742	497719	25-Sep-06	L5E 1+20S	poplar, spruce (on the edge of a big poplar stand)
YS69	5587728	497717	25-Sep-06	L5E 1+40S	fir, poplar, spruce, moss
YS70	5587721	497705	25-Sep-06	L5E 1+60S	poplar, spruce, fir (poplar thinning)
YS71	5587706	497699	25-Sep-06	L5E 1+80S	spruce, poplar, alder
YS72	5587678	497694	25-Sep-06	L5E 2+00S	poplar spruce
YS73	5587652	497683	25-Sep-06	L5E 2+20S	poplar, spruce (small trees), some blowdown
YS74	5587635	497672	26-Sep-06	L5E 2+40S	poplar, black spruce, thin moss
YS75	5587626	497666	26-Sep-06	L5E 2+60S	poplar, spruce, thin humus layer
YS76	5587601	497653	26-Sep-06	L5E 2+80S	blowdown, poplar, spruce, alder
YS77	5587585	497646	26-Sep-06	L5E 3+00S	blowdown, poplar, spruce, alder
YS78	5587560	497641	26-Sep-06	L5E 3+20S	conifer, alder, few poplars, thicker moss cover
YS79	5587543	497626	26-Sep-06	L5E 3+40S	alder swamp, grass, conifer
YS80	5587524	497620	26-Sep-06	L5E 3+60S	conifer, moss, lab tea, alders
YS81	5587505	497619	26-Sep-06	L5E 3+80S	conifer, grass-moss cover, alders
YS83	5587487	497600	26-Sep-06	L5E 4+00S	poplar, spruce, blowdown
YS84	5587468	497593	26-Sep-06	L5E 4+20S	poplar, spruce, alder
YS85	5587561	497426	26-Sep-06	L3E 4+40S	open conifer stand
YS86	5587544	497415	26-Sep-06	L3E 4+60S	open conifer stand
YS87	5587522	497405	26-Sep-06	L2E 4+80S	conifer & thick moss, granite outcrop ridge 10 m to e
YS88	5587604	497329	26-Sep-06	L2E 4+20S	small spruce with thick moss and lab tea cover
YS89	5587580	497322	26-Sep-06	L2E 4+40S	sm conifer, thick moss, lab tea
YS90	5587636	497240	26-Sep-06	L1E 4+20S	thin spruce with thick moss & lab tea cover
YS91	5587614	497234	26-Sep-06	L1E 4+40S	open spruce near poplar trees, on outcrop with small open areas

First Quartile
BackGround

Maximum
Minimum
Mean
Std Dev

Samples
Samples > detection
Detection Limit

<u>Samp No.</u>	<u>Terrain</u>	<u>Upslope/Az/Rise</u>	<u>Samp Top</u>	<u>Samp Bot</u>	<u>%Sand</u>	<u>%Silt</u>
YS34	sloping to nw 15	150-15	55	65	70	20
YS35	flat-gently sloping to e	150-07	35	45	80	20
YS36	sloping with small bedrock cliffs and ridges	110-15	60	75	65	20
YS37	sloping off bedrock ridge down to nw	120-20	30	40	90	
YS38	flat area just ne of cut line. bedrock on outline.	150-05	50	60	60	25
YS39	flat	165-05	45	55	65	20
YP40	sloping	170-10	40	45		
YS41	gently sloping to n. steep slope immediately to s along cutline.	190-25	55	65	65	25
YP43	gently sloping, hummocky	160-08	65	75		
YP44	gently sloping, hummocky	155-05	55	60		
YP45	flat	125-04	55	65		
YS46	gently sloping away from bedrock ridge	120-10	25	35	95	
YS47	gently sloping	120-10	40	50	20	60
YS48	flat with hummocky bedrock ridges	120-15	30	40	60	20
YS49	gently sloping off bedrock ridge	110-20	30	40	50	15
YS50	flat, hummocky	120-10	50	60	50	25
YS51	sloping to sw, into alder swamp	080-10	40	55	100	
YS52	sloping away from bedrock ridges	150-15	40	50	75	25
YS53	flat	080-05	55	65		
YS54	sloping gently away from bedrockridge to e (on cut line)	095-08	50	65	80	
YS55	flat with outcrop ridge on cutline to e ~ 5m	100-02	60	70	5]	
YS56	sloping away from bedrock ridge ~3-4m to ne	070-15	30	40	90	
YS57	flat	120-03	55	60		
YP58	flat	060-03	60	70		
YP59	flat. gentle slope toward cedar swamp	050-03	55	65		
YS60	gently sloping into cedar swamp to the north	180-05	50	60	60	30
YS61	gently sloping towards cedar swamp to n	180-05	40	55	100	
YS62	gently sloping toward cedar swamp to n	160-05	30	40	90	
YS63	flat/hummocky	180-03	80	90	80	20
YS64	gently sloping down to north. poplar to south	190-05	45	55	80	20
YS65	flat	180-03	35	45		20
YS66	gently sloping	170-05	30	40		10
YS67	gently sloping	170-05	30	40	100	
YS68	flat (at top of a gentle rise	NO NOTE	25	35	100	
YS69	gently sloping	340-05	25	35	100	
YS70	gently sloping up to n	350-05	30	40	100	
YS71	gently sloping down toward s	010-03	35	45	80	
YS72	flat with small (1m) ridge of outcrop	020-05	25	35	80	
YS73	gentle slope. no hummocks	160-05	25	35	80	
YS74	crest of gentle slope	N/A	25	35	100	
YS75	flat to gently sloping	360-03	25	35	80	
YS76	gently sloping	030-05	30	40	80	
YS77	flat to gently sloping	090-03	35	45	100	
YS78	flat to gently sloping	130-05	45	55	10	30
YS79	flat to gently sloping	180-02	45	55	20	30
YS80	flat to gently sloping	120-02	50	60	20	30
YS81	flat to gently sloping	140-03	30	45	80	20
YS83	gently sloping	170-05	30	40	100	
YS84	gently sloping	140-05	30	40	100	
YS85	flat	CREST	25	35	100	
YS86	sloping to south	040-06	30	40	100	
YS87	flat	090-05	45	55	100	
YS88	flat	140-02	50	60		20
YS89	flat	080-03	30	40	50	40
YS90	sloping away down to e from outcrop ~2 m away	270-08	30	40	60	20
YS91	sloping off outcrop	240-03	25	35	65	25

First Quartile
BackGround

Maximum
Minimum
Mean
Std Dev

Samples
Samples > detection
Detection Limit

Samp No.	%Clay	%Organic	S Colour	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce
YS34	10		GREY-CHARCOAL & MED BROWN	5	10	<10	0.4	430	<1	290	<10	107
YS35			LT BROWN	2	6	<10	<0.1	600	<1	280	<10	36
YS36	10	5	Brown	6	7	<10	0.3	500	<1	540	<10	145
YS37		10	GREY	<1	156	110	<0.1	290	4	20	<10	93
YS38	15		MILK CHOCOLATE	<1	165	<10	<0.1	290	<1	<10	<10	95
YS39	10	5	LT BROWN	3	7	<10	0.3	400	<1	260	<10	208
YP40		100	BLACK	5	65	<10	0.7	120	<1	300	10	11
YS41	10		LIGHT BROWN	2	29	<10	0.1	240	<1	270	<10	19
YP43		100	BLACK	5	13	<10	<0.1	100	<1	410	20	<5
YP44		100	BLACK	2	11	<10	<0.1	90	<1	310	10	<5
YP45		100	JET BLACK	2	5	<10	<0.1	100	<1	350	20	<5
YS46		5	LIGHT BROWN WITH GREY SPECKS	9	18	<10	0.1	280	<1	210	<10	304
YS47	20		MED BROWN	2	44	<10	<0.1	420	<1	150	<10	138
YS48	20		LIGHT BROWN	2	18	<10	0.1	350	<1	200	<10	63
YS49	35		LIGHT BROWN	<1	182	10	0.3	220	4	10	<10	177
YS50	25		MED BROWN	6	13	<10	0.4	400	<1	340	<10	114
YS51			dark grey with black mottling	2	13	<10	0.1	260	<1	320	<10	30
YS52			ORANGE BROWN	<1	166	<10	<0.1	450	<1	90	<10	466
YS53	100		LIGHT BROWN	5	8	<10	0.6	1410	<1	310	<10	81
YS54		20	LIGHT BROWN	2	44	<10	<0.1	260	<1	210	<10	240
YS55	80	15	GREY	14	14	<10	0.1	470	<1	320	<10	147
YS56	10		GREY WITH SOME BROWN MOTTLING	6	171	10	0.1	170	2	20	<10	288
YS57	90	10	GREY TO LIGHT BROWN	5	6	<10	0.3	880	<1	370	<10	80
YP58		100	BLACK WITH BROWN WOOD CHUNKS	7	11	<10	<0.1	80	<1	380	20	<5
YP59		100	BLACK WITH BROWN WOOD CHUNKS	3	<1	10	<0.1	100	<1	420	30	<5
YS60	10		GREY LAYER + LIGHT BROWN LAYER	8	12	<10	<0.1	590	<1	350	<10	475
YS61			LIGHT GREY WITH BROWN SAND	3	2	<10	0.7	280	<1	220	<10	104
YS62	10		LIGHT BROWN/MILK CHOCOLATE	<1	172	30	<0.1	1200	<1	10	<10	465
YS63				2	2	<10	0.1	600	<1	240	<10	<5
YS64			GREY	9	2	<10	<0.1	700	<1	240	<10	11
YS65	80		GREY	9	3	<10	0.1	650	<1	380	<10	9
YS66	90		GREY WITH BROWN PATCHES	11	5	<10	0.3	620	<1	420	<10	<5
YS67			LIGHT BROWN TO GREY	3	22	<10	<0.1	1380	<1	190	<10	1290
YS68			BROWN,LIGHT BROWN	2	49	10	<0.1	1870	<1	180	<10	3950
YS69			LIGHT BROWN-GREY	5	6	<10	0.2	1410	<1	420	<10	132
YS70			LIGHT BROWN	4	10	<10	<0.1	1660	<1	230	<10	479
YS71	20		BROWNISH GREY	2	4	<10	<0.1	260	<1	70	<10	149
YS72	20		GREY	2	86	<10	<0.1	1070	<1	100	<10	658
YS73	20		LIGHT BROWN	9	37	<10	<0.1	1580	<1	130	<10	1260
YS74			LIGHT BROWN + GREY	2	78	<10	<0.1	1780	<1	20	<10	415
YS75	20		LIGHT GREY	1	13	<10	<0.1	1610	<1	170	<10	341
YS76	20		LIGHT GREY	2	2	<10	0.2	1090	<1	260	<10	34
YS77			LIGHT BROWN + GREY	4	20	<10	<0.1	930	<1	170	<10	211
YS78	60		LIGHT GREY	6	2	<10	0.3	1060	<1	390	<10	62
YS79	50		GREY, BLACK MOTTLED	4	7	<10	<0.1	510	<1	390	<10	124
YS80	50		LIGHT GREY	7	2	<10	0.2	650	<1	350	<10	56
YS81			LIGHT GREY	2	2	<10	0.1	1030	<1	260	<10	21
YS83			LIGHT BROWN TO GREY	1	21	<10	0.1	1030	<1	160	<10	720
YS84			LIGHT BROWN-LIGHT GREY	2	133	<10	<0.1	2350	<1	50	<10	579
YS85			LIGHT BROWN	1	24	<10	<0.1	1270	<1	90	<10	463
YS86			MILK CHOCOLATE BROWN	1	140	20	<0.1	910	2	20	<10	235
YS87			DARK GREY	9	3	<10	0.2	1490	<1	230	<10	267
YS88	80		MOTTLED GREY & ORAGISH BROWN	3	6	<10	0.1	930	<1	270	<10	292
YS89	10		GREY	1	34	<10	<0.1	1340	<1	170	<10	387
YS90	20		GREY	6	5	<10	0.2	1090	<1	320	<10	88
YS91	10		RED BROWN	1	152	20	0.1	200	<1	140	<10	199

First Quartile
BackGround

0.5 5 0.5 0.05 130 0.5 220 0.5 6
0.5 3.0 0.5 0.05 92.6 0.5 117.6 0.5 3.1

Maximum

83 255 110 0.7 2350 5 770 130 3950

Minimum

<1 <1 <10 <0.1 <10 <1 <10 <10 <5

Mean

3.6 37.1 8.6 0.1 548.5 0.6 307.2 5.3 185.3

Std Dev

6.3 59.2 15.8 0.1 493.6 0.5 147.7 12.6 389.1

Samples

196 196 196 196 196 196 196 196 196

Samples> detection

143 194 61 78 196 12 195 45 154

Detection Limit

1 1 10 0.1 10 1 10 10 5

<u>Samp No.</u>	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr
YS34	<5	<100	1020	7	3.1	3.4	6	15	61	<5	32	9	<0.5	84	69	20	<1	19
YS35	<5	<100	200	3	1.3	1.3	5	6	28	<5	39	6	<0.5	35	41	<10	<1	8
YS36	<5	<100	840	13	5.2	5.4	4	24	78	<5	76	<5	<0.5	121	49	10	<1	26
YS37	59	<100	310	3	1.6	1.3	60	5	62	19	5	17	20.3	36	47	160	<1	11
YS38	43	<100	1060	8	3.4	2.7	34	10	47	<5	<1	<5	1.9	47	123	40	<1	12
YS39	<5	<100	470	42	20.4	15.3	3	74	149	<5	72	<5	<0.5	300	69	<10	<1	54
YP40	273	<100	8680	5	4.5	0.6	5	3	6	<5	19	14	<0.5	6	1130	<10	<1	2
YS41	5	<100	2280	5	2.3	2.3	6	10	38	<5	32	7	<0.5	57	58	<10	<1	12
YP43	7	<100	200	2	1.4	<0.5	2	1	1	<5	26	11	<0.5	1	178	10	<1	<1
YP44	90	<100	480	<1	<0.5	<0.5	2	<1	<1	<5	14	32	<0.5	<1	239	<10	<1	<1
YP45	6	<100	90	1	1.4	<0.5	5	1	<1	<5	17	<5	<0.5	<1	31	20	<1	<1
YS46	8	<100	1980	10	4.3	4.4	13	19	86	<5	25	14	0.6	115	139	20	<1	26
YS47	12	<100	920	8	3.5	2.8	18	13	51	<5	9	17	1.2	68	120	30	<1	15
YS48	30	<100	610	11	4.7	5.3	7	23	87	<5	27	<5	<0.5	133	26	10	<1	29
YS49	12	<100	3220	12	5.1	4.2	134	17	93	<5	<1	43	6.1	86	44	50	<1	22
YS50	<5	<100	1480	7	2.8	3.1	5	12	72	<5	41	22	<0.5	80	62	10	<1	19
YS51	<5	<100	330	2	1	1	6	4	16	<5	42	38	<0.5	41	49	10	<1	14
YS52	33	<100	880	21	8	7.6	60	32	182	<5	3	35	3.3	195	170	80	<1	49
YS53	<5	<100	1860	12	5	4.9	2	23	50	<5	61	35	<0.5	91	37	20	<1	17
YS54	41	<100	960	11	4.3	4.5	19	19	98	<5	28	23	0.7	125	132	20	<1	30
YS55	7	<100	2840	12	5.4	4.7	8	21	74	<5	40	34	<0.5	110	116	40	<1	24
YS56	28	<100	1050	11	4.2	4.5	54	17	152	<5	<1	47	4.3	112	51	70	<1	31
YS57	<5	<100	1090	16	7.2	4.6	3	22	21	12	54	35	<0.5	63	56	40	<1	10
YP58	29	<100	990	1	1.1	<0.5	2	<1	<1	<5	18	28	<0.5	<1	188	10	<1	<1
YP59	43	<100	1000	<1	0.6	<0.5	2	<1	<1	<5	35	38	<0.5	<1	80	<10	<1	<1
YS60	51	<100	490	14	5.8	5.6	6	26	95	<5	51	5	<0.5	140	109	40	<1	31
YS61	<5	<100	540	18	7.4	7.2	5	32	113	<5	30	<5	<0.5	174	26	<10	<1	38
YS62	38	200	410	22	9	9.1	111	36	244	<5	2	6	9.7	223	37	70	<1	58
YS63	<5	<100	200	4	1.6	1.5	1	7	13	14	33	12	<0.5	27	23	<10	<1	5
YS64	<5	<100	220	10	4.6	4.2	3	19	52	33	42	<5	<0.5	86	25	<10	<1	17
YS65	<5	<100	220	7	3.2	2.6	3	12	18	6	56	<5	0.7	41	62	10	<1	7
YS66	<5	<100	380	10	4.7	2.7	2	14	4	<5	85	<5	<0.5	22	48	10	<1	3
YS67	8	<100	160	101	42.9	35.1	11	168	804	<5	43	<5	1.2	913	26	60	<1	216
YS68	12	<100	130	166	72.4	63.8	22	263	1400	<5	34	<5	3.4	1630	20	90	<1	396
YS69	11	<100	400	64	27.1	24.1	4	116	257	<5	114	<5	<0.5	464	66	20	<1	89
YS70	11	<100	220	30	11.8	13.2	5	58	302	<5	49	<5	<0.5	375	23	20	<1	89
YS71	7	<100	80	9	3.9	4.1	5	18	108	<5	12	6	0.8	116	14	10	<1	29
YS72	18	<100	250	31	13.5	11.3	44	49	297	<5	16	14	6	306	43	70	<1	78
YS73	15	<100	150	49	19.7	17.8	12	77	263	<5	23	<5	2	388	14	120	<1	87
YS74	20	<100	150	23	10.5	9.3	31	36	186	<5	2	8	3.6	207	17	150	<1	52
YS75	<5	<100	120	19	7.7	7.1	7	33	163	<5	24	<5	0.5	191	16	40	<1	45
YS76	<5	<100	490	6	3.2	2.2	2	10	30	6	34	<5	<0.5	46	23	<10	<1	9
YS77	8	<100	170	8	2.8	4.6	12	18	89	<5	21	19	0.7	115	13	20	<1	27
YS78	<5	<100	250	8	3.2	3.2	2	14	45	5	75	<5	<0.5	71	32	20	<1	14
YS79	<5	<100	320	9	3.7	3.7	4	17	52	<5	54	<5	<0.5	87	52	30	<1	18
YS80	<5	<100	340	13	5.6	5.2	2	24	68	<5	51	<5	<0.5	114	22	10	<1	23
YS81	<5	<100	240	8	3.4	2.7	3	12	38	<5	26	<5	<0.5	58	40	<10	<1	12
YS83	8	<100	210	61	24.5	25.4	9	120	515	<5	31	<5	0.6	717	43	20	<1	163
YS84	9	<100	200	22	8.7	9.4	39	36	258	<5	5	<5	3.7	235	19	120	<1	62
YS85	30	<100	490	19	7.4	7.7	38	34	220	<5	12	<5	1.3	232	13	50	<1	56
YS86	28	100	210	13	5.4	4.5	100	18	122	9	8	13	9.1	103	48	150	<1	27
YS87	<5	<100	350	29	10.7	12.8	3	60	298	<5	52	<5	<0.5	369	18	10	<1	86
YS88	8	<100	630	18	6.8	7.5	7	34	119	<5	37	24	<0.5	183	37	50	<1	40
YS89	8	<100	80	17	6.6	6.5	14	28	154	<5	18	<5	1.1	175	16	50	<1	44
YS90	6	<100	470	50	20.5	18.5	3	92	317	<5	56	<5	<0.5	463	27	<10	<1	97
YS91	9	<100	510	10	3.8	4.3	100	15	128	<5	4	8	3.4	93	27	40	<1	26
First Quartile	2.5	0.5	100	2	1.5	0.6	3	3	3	2.5	26	2.5	0.25	6	27	10	0.5	1
BackGround	2.5	0.5	60.6	1.2	0.8	0.3	2.0	1.5	1.3	2.5	14.1	2.5	0.3	2.7	19.3	4.4	0.5	0.6
Maximum	507	300	21100	166	72.4	63.8	192	263	1400	58	124	106	31.8	1630	1130	680	1	396
Minimum	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1
Mean	24.6	13.7	669.7	13.1	5.9	4.8	22.3	21.2	91.3	4.9	40.8	10.2	1.9	109.8	68.4	58.0	0.5	27.1
Std Dev	47.6	45.4	2102.4	19.3	8.5	7.1	37.1	31.5	157.6	7.0	23.4	13.5	4.5	179.7	106.6	84.6	0.0	45.1
Samples	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196
Samples> detection	140	18	196	177	181	155	195	174	175	40	192	100	70	182	196	162	0	153
Detection Limit	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10	1	1

Samp No.	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
YS34	70	<1	8	16	<1	240	<1	2	<10	8	43	<0.5	9	<1	38	2	40	16
YS35	27	<1	7	6	<1	270	<1	<1	<10	6	64	<0.5	5	<1	15	<1	<20	16
YS36	17	<1	11	25	<1	500	<1	3	<10	7.3	<3	<0.5	3	<1	69	4	400	64
YS37	35	1	30	5	7	30	2	<1	<10	12.3	8570	<0.5	3	21	17	1	30	35
YS38	55	<1	23	10	<1	<10	<1	1	<10	13.9	345	<0.5	2	<1	35	3	20	23
YS39	25	<1	17	67	<1	390	<1	8	<10	16.4	<3	<0.5	6	<1	291	15	<20	14
YP40	28	<1	<5	2	<1	240	<1	<1	<10	<0.5	3	<0.5	7	<1	39	4	30	<5
YS41	76	<1	6	10	<1	200	<1	1	<10	2.9	15	<0.5	10	<1	29	2	20	13
YP43	20	<1	<5	<1	<1	320	<1	<1	<10	<0.5	<3	<0.5	3	<1	12	1	70	<5
YP44	6	2	<5	<1	<1	240	<1	<1	<10	<0.5	<3	<0.5	10	<1	<5	<1	470	<5
YP45	6	<1	<5	<1	<1	290	<1	<1	<10	<0.5	<3	<0.5	5	<1	8	1	540	<5
YS46	67	<1	8	21	<1	160	<1	2	<10	14.1	82	<0.5	11	<1	50	3	<20	24
YS47	71	<1	7	13	<1	120	<1	2	<10	11.2	176	<0.5	6	<1	39	3	40	14
YS48	70	<1	7	25	<1	190	<1	3	<10	5.1	15	<0.5	19	<1	63	3	30	57
YS49	65	<1	32	16	<1	<10	<1	2	<10	19.5	1240	<0.5	6	5	52	4	70	18
YS50	44	<1	8	14	<1	320	<1	2	<10	9.1	27	<0.5	3	<1	35	2	100	13
YS51	37	<1	5	7	<1	350	<1	<1	<10	5.7	15	<0.5	3	<1	20	<1	20	21
YS52	58	<1	23	36	<1	50	<1	4	<10	44.6	493	<0.5	8	<1	79	6	230	20
YS53	72	<1	6	22	<1	490	<1	3	<10	12	12	<0.5	5	<1	60	3	150	21
YS54	45	<1	7	21	<1	200	<1	2	<10	8.5	107	<0.5	10	<1	54	3	40	19
YS55	73	<1	<5	22	<1	410	<1	3	<10	7.9	16	<0.5	9	<1	71	4	80	38
YS56	75	<1	19	19	<1	10	<1	2	<10	16.2	1390	<0.5	5	6	44	3	90	19
YS57	46	<1	7	19	<1	540	<1	3	<10	10.5	5	<0.5	2	<1	78	5	50	20
YP58	14	<1	<5	<1	<1	300	<1	<1	<10	<0.5	<3	<0.5	<1	<1	7	<1	1330	7
YP59	<5	2	<5	<1	<1	320	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	30	18
YS60	27	<1	7	27	<1	370	<1	3	<10	12.7	36	<0.5	11	<1	72	4	30	29
YS61	28	<1	8	33	<1	230	<1	4	<10	9	17	<0.5	<1	<1	110	6	<20	133
YS62	76	1	43	40	<1	60	<1	5	<10	67.3	1410	<0.5	13	1	88	7	<20	16
YS63	50	<1	<5	6	<1	270	<1	<1	<10	2.7	3	<0.5	1	<1	23	1	<20	23
YS64	42	<1	<5	18	<1	310	<1	2	<10	4.7	28	<0.5	<1	<1	64	3	<20	14
YS65	49	<1	<5	10	<1	530	1	2	<10	6.7	<3	<0.5	1	2	40	2	30	16
YS66	45	<1	<5	10	<1	630	<1	2	<10	4.9	<3	<0.5	<1	<1	61	3	<20	48
YS67	138	<1	37	170	<1	570	<1	20	<10	61.2	179	0.5	8	<1	516	29	30	73
YS68	161	<1	96	293	<1	780	<1	35	<10	101	708	1	18	1	703	51	30	23
YS69	71	<1	10	106	<1	900	<1	14	<10	16.9	<3	0.6	4	<1	382	17	20	26
YS70	90	<1	18	65	<1	430	<1	7	<10	22	41	<0.5	10	<1	148	8	<20	26
YS71	17	<1	6	20	<1	90	<1	2	<10	9.5	140	<0.5	2	<1	44	3	<20	85
YS72	216	<1	27	53	<1	210	<1	6	<10	44.4	1360	<0.5	10	<1	144	10	20	40
YS73	213	<1	23	79	<1	810	<1	10	<10	42.2	405	0.7	13	<1	210	13	20	43
YS74	222	<1	29	37	<1	130	<1	5	<10	22.1	1070	<0.5	7	<1	113	8	<20	24
YS75	68	<1	7	35	<1	420	<1	4	<10	21.1	84	<0.5	13	<1	96	5	40	24
YS76	35	<1	<5	9	<1	340	<1	1	<10	6.4	<3	<0.5	<1	<1	44	2	30	22
YS77	121	<1	<5	21	<1	440	<1	2	<10	11.1	100	<0.5	5	<1	36	2	70	19
YS78	38	<1	<5	14	<1	480	<1	2	<10	5	<3	<0.5	<1	<1	45	2	40	21
YS79	35	<1	<5	17	<1	330	<1	2	<10	7.1	13	<0.5	8	<1	50	3	30	23
YS80	30	<1	<5	23	<1	460	<1	3	<10	4.9	<3	<0.5	1	<1	88	4	30	29
YS81	48	<1	<5	12	<1	350	<1	2	<10	5.2	7	<0.5	<1	<1	51	3	20	28
YS83	60	<1	31	128	<1	250	<1	14	<10	28.9	73	0.6	10	<1	303	16	30	29
YS84	158	<1	24	40	<1	230	<1	5	<10	55.8	758	<0.5	6	<1	90	6	50	68
YS85	78	<1	10	39	<1	160	<1	4	<10	16.4	225	<0.5	13	<1	95	5	30	30
YS86	120	<1	24	19	<1	100	<1	3	<10	35.3	2520	<0.5	10	1	55	4	50	85
YS87	40	<1	11	67	<1	430	<1	7	<10	11.9	79	<0.5	2	<1	152	7	<20	20
YS88	55	<1	6	36	<1	320	<1	4	<10	8.7	57	<0.5	9	<1	90	5	30	27
YS89	113	<1	8	31	<1	290	<1	4	<10	14.5	218	<0.5	5	<1	74	5	<20	30
YS90	14	<1	18	88	<1	570	<1	11	<10	13	6	<0.5	2	<1	303	13	20	25
YS91	137	<1	23	17	<1	50	<1	2	<10	15.8	904	<0.5	7	<1	39	2	<20	47

First Quartile	14	0.5	2.5	2	0.5	230	0.5	0.5	0.5	0.6	1.5	0.25	1	0.5	16	1	30	2.5
BackGround	8.7	0.5	2.5	1.0	0.5	144.2	0.5	0.5	0.5	0.3	1.5	0.3	0.6	0.5	8.1	0.7	20.4	2.5
Maximum	310	2	96	293	35	900	3	35	1	123.0	11600	1.0	71	21	703	51	1800	195
Minimum	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	0.5	<5	0.5	<20	<5
Mean	55.5	0.5	13.0	21.5	0.8	311.6	0.6	2.9	0.5	12.3	464.5	0.3	6.9	0.9	71.8	4.3	233.4	23.4
Std Dev	57.4	0.2	15.2	33.2	2.5	152.4	0.3	4.2	0.0	18.6	1447.4	0.1	9.7	1.7	97.2	6.1	325.2	29.8
Samples	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196
Samples> detection	189	7	137	165	16	192	19	121	0	153	136	19	151	39	180	158	177	134
Detection Limit	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5

Appendix 3



Certificate of Analysis

Work Order: 090867

To: **Superior Canadian Resources Ltd.**
Attn:
Suite 207, 1039 17th Ave. SW
CALGARY
AB T2T 0B2

Date: May 18, 2007

P.O. No. : SUPERIOR CAN RES
Project No. : DEFAULT
No. Of Samples 20
Date Submitted Oct 03, 2006
Report Comprises Pages 1 to 6
(Inclusive of Cover Sheet)

Distribution of unused material:

3 ts

Certified By : _____
Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = No result

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

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

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

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	10	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
YP-01	3	8	<10	<0.1	120	<1	410	10	5	<5
YP-02	5	2	<10	<0.1	80	<1	320	<10	<5	8
YP-03	4	1	<10	<0.1	70	<1	280	<10	<5	13
YP-04	6	<1	<10	<0.1	70	<1	300	<10	<5	34
YP-05	4	2	<10	<0.1	40	<1	240	<10	<5	<5
YP-06	3	1	<10	<0.1	50	<1	250	<10	<5	12
YP-07	2	2	<10	<0.1	100	<1	320	10	<5	32
YP-08	<1	1	<10	<0.1	60	<1	300	<10	<5	20
YP-09	3	1	<10	<0.1	70	<1	300	<10	<5	38
YP-10	2	1	<10	<0.1	70	<1	330	<10	<5	26
YP-11	3	2	<10	<0.1	40	<1	260	<10	<5	<5
YP-12	4	12	<10	<0.1	90	<1	370	20	<5	14
YP-16	4	27	<10	<0.1	90	<1	390	20	8	<5
YP-17	2	45	<10	<0.1	140	<1	360	20	5	13
YP-40	5	65	<10	0.7	120	<1	300	10	11	273
YP-43	5	13	<10	<0.1	100	<1	410	20	<5	7
YP-44	2	11	<10	<0.1	90	<1	310	10	<5	90
YP-45	2	5	<10	<0.1	100	<1	350	20	<5	6
YP-58	7	11	<10	<0.1	80	<1	380	20	<5	29
YP-59	3	<1	10	<0.1	100	<1	420	30	<5	43
*Dup YP-01	5	8	<10	<0.1	100	<1	420	10	<5	<5
*Dup YP-16	3	29	<10	<0.1	90	<1	400	20	9	<5
*Std MMISRM14	19	29	20	42.0	60	<1	220	<10	13	43
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5

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Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
YP-01	<100	70	2	1.3	<0.5	3	2	2	<5	31
YP-02	<100	50	<1	<0.5	<0.5	1	<1	2	<5	39
YP-03	<100	70	<1	<0.5	<0.5	2	<1	2	<5	34
YP-04	<100	60	<1	<0.5	<0.5	2	<1	<1	<5	25
YP-05	<100	30	<1	<0.5	<0.5	11	<1	3	<5	24
YP-06	<100	80	<1	<0.5	<0.5	5	<1	<1	<5	16
YP-07	<100	80	1	1.3	<0.5	3	<1	<1	<5	15
YP-08	<100	150	<1	<0.5	<0.5	2	<1	2	<5	42
YP-09	<100	10	<1	<0.5	<0.5	1	<1	1	<5	41
YP-10	<100	110	<1	0.7	<0.5	2	<1	2	<5	43
YP-11	<100	70	1	0.7	<0.5	1	1	2	<5	30
YP-12	<100	290	2	2.0	<0.5	3	2	2	<5	14
YP-16	<100	100	6	5.4	0.7	3	5	3	<5	20
YP-17	<100	140	3	2.7	<0.5	2	2	2	<5	15
YP-40	<100	8680	5	4.5	0.6	5	3	6	<5	19
YP-43	<100	200	2	1.4	<0.5	2	1	1	<5	26
YP-44	<100	480	<1	<0.5	<0.5	2	<1	<1	<5	14
YP-45	<100	90	1	1.4	<0.5	5	1	<1	<5	17
YP-58	<100	990	1	1.1	<0.5	2	<1	<1	<5	18
YP-59	<100	1000	<1	0.6	<0.5	2	<1	<1	<5	35
*Dup YP-01	<100	100	2	1.4	<0.5	2	2	1	<5	29
*Dup YP-16	<100	130	7	5.5	0.9	3	5	3	<5	22
*Std MMISRM14	<100	730	2	0.6	1.0	2	3	2	<5	32
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
YP-01	<5	0.6	3	63	30	<1	<1	12	<1	<5
YP-02	<5	<0.5	<1	28	10	<1	<1	7	<1	<5
YP-03	5	<0.5	<1	27	<10	<1	<1	8	<1	<5
YP-04	7	<0.5	<1	26	<10	<1	<1	7	<1	<5
YP-05	10	<0.5	<1	18	20	<1	<1	8	<1	<5
YP-06	6	<0.5	<1	44	<10	<1	<1	<5	<1	<5
YP-07	7	<0.5	<1	35	<10	<1	<1	<5	1	<5
YP-08	8	<0.5	<1	40	<10	<1	<1	<5	<1	<5
YP-09	8	<0.5	<1	28	<10	<1	<1	9	<1	<5
YP-10	<5	<0.5	<1	28	<10	<1	<1	5	<1	<5
YP-11	<5	<0.5	1	19	10	<1	<1	<5	<1	<5
YP-12	<5	<0.5	2	93	10	<1	<1	17	<1	<5
YP-16	<5	<0.5	5	76	30	<1	1	36	<1	<5
YP-17	25	<0.5	2	140	20	<1	<1	14	<1	<5
YP-40	14	<0.5	6	1130	<10	<1	2	28	<1	<5
YP-43	11	<0.5	1	178	10	<1	<1	20	<1	<5
YP-44	32	<0.5	<1	239	<10	<1	<1	6	2	<5
YP-45	<5	<0.5	<1	31	20	<1	<1	6	<1	<5
YP-58	28	<0.5	<1	188	10	<1	<1	14	<1	<5
YP-59	36	<0.5	<1	80	<10	<1	<1	<5	2	<5
*Dup YP-01	<5	<0.5	2	72	30	<1	<1	13	<1	<5
*Dup YP-16	<5	<0.5	6	86	30	<1	1	39	<1	<5
*Std MMISRM14	30	<0.5	10	238	110	45	2	287	1	5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

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Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
YP-01	1	<1	330	1	<1	<10	1.4	3	<0.5	5
YP-02	<1	<1	220	<1	<1	<10	1.2	8	<0.5	2
YP-03	<1	<1	190	<1	<1	<10	1.0	8	<0.5	<1
YP-04	<1	<1	220	<1	<1	<10	0.5	<3	<0.5	<1
YP-05	<1	<1	140	<1	<1	<10	0.8	10	<0.5	<1
YP-06	<1	<1	180	<1	<1	<10	<0.5	<3	<0.5	<1
YP-07	<1	<1	280	<1	<1	<10	<0.5	<3	<0.5	<1
YP-08	<1	<1	220	<1	<1	<10	0.5	8	<0.5	<1
YP-09	<1	<1	200	<1	<1	<10	<0.5	10	<0.5	<1
YP-10	<1	<1	250	<1	<1	<10	<0.5	8	<0.5	<1
YP-11	<1	<1	200	<1	<1	<10	<0.5	9	<0.5	<1
YP-12	<1	<1	300	<1	<1	<10	<0.5	<3	<0.5	6
YP-16	2	<1	290	<1	<1	<10	<0.5	<3	<0.5	3
YP-17	1	<1	330	<1	<1	<10	<0.5	4	<0.5	8
YP-40	2	<1	240	<1	<1	<10	<0.5	3	<0.5	7
YP-43	<1	<1	320	<1	<1	<10	<0.5	<3	<0.5	3
YP-44	<1	<1	240	<1	<1	<10	<0.5	<3	<0.5	10
YP-45	<1	<1	290	<1	<1	<10	<0.5	<3	<0.5	5
YP-58	<1	<1	300	<1	<1	<10	<0.5	<3	<0.5	<1
YP-59	<1	<1	320	<1	<1	<10	<0.5	<3	<0.5	<1
Dup YP-01	<1	<1	320	<1	<1	<10	<0.5	<3	<0.5	4
*Dup YP-16	3	<1	290	<1	<1	<10	<0.5	<3	<0.5	3
*Std MMISRM14	3	<1	500	<1	<1	<10	15.1	<3	<0.5	32
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
YP-01	4	13	1	30	8
YP-02	2	<5	<1	190	24
YP-03	<1	<5	<1	320	23
YP-04	<1	<5	<1	360	<5
YP-05	<1	<5	<1	140	24
YP-06	<1	<5	<1	360	<5
YP-07	<1	6	1	360	<5
YP-08	<1	<5	<1	490	22
YP-09	<1	<5	<1	440	21
YP-10	<1	6	<1	670	23
YP-11	<1	7	<1	320	24
YP-12	<1	16	1	350	<5
YP-16	<1	42	4	30	<5
YP-17	<1	16	3	1130	<5
YP-40	<1	39	4	<20	<5
YP-43	<1	12	1	30	<5
YP-44	<1	<5	<1	70	<5
YP-45	<1	8	1	470	<5
YP-58	<1	7	<1	540	<5
YP-59	<1	<5	<1	1330	7
Up YP-01	<1	12	1	<20	<5
*Dup YP-16	<1	45	4	50	<5
*Std MMISRM14	<1	7	<1	280	14
*Blk BLANK	<1	<5	<1	<20	<5

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