REPORT

ON

Preliminary Report
MMI SOIL SURVEY
FIRST NATIONS CONSULTATION

(January 2013)

Reed Robinson Property

Eby Otto Township
Larder Lake Mining Division
North-eastern Ontario

NTS
42A1

UTM
Grid Zone 17
Nad 83
0563565mE, 5326834mN

For

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1.0 SUMMARY

The "Eby Otto Property" is located in Eby and Otto Townships 10 km southwest of Kirkland Lake, Ontario. The property is at the south part of the Larder Lake Deformation zone.

Mobile Metal Ions (MMI) was selected as the exploration tool of choice for this exploration project. Explorationist tend to swear by MMI or swear at MMI. Initially MMI was heralded as a simple exploration tool, freed from traditional nuances of geochemistry. The practice was to consistently sample the soil 10-25 cm below the mineral soil interface and to expect that the anomaly would appear. Explorationists now recognize that MMI surveys suffer from its own set of nuances that result in false anomalies and attenuated responses. This report identifies and deals with these nuances.

It is recognized that more research is required to confirm the findings of this report and deal with any nuances that were not identified. In 1994; it was recognized that the favourable mineralized/altered zones occur preferentially in lineaments marked by clay bottom swamps. This report identified that the reduced environment, typical of these clay bottom swamps, suffers most from problematic MMI nuances. It is the opinion of the author that many of the problems have been resolved, and some problems remain to be dealt with.

This exploration program was designed and implemented to:

- Determine the potential effectiveness of MMI to the Eby-Otto project.
- Determine the optimal MMI procedure.
- Determine the optimal analytical suite.
- Determine the limitations and special requirements of MMI on the project.
- Test six priority mineral exploration targets.

The program established that the MMI procedure:

- Appears to respond to gold style mineralization /alteration:
    - Directly in oxidized sandy environments as Au.
    - Indirectly in reduced clay environments by associated metals.
    - Indirectly in oxidized clay environments by associated metals (the presence or absence of direct Au responses remains to be determined).
- Determined that the optimal sample procedure was a **12.5m** sample interval with samples collected at **10-25cm** below the mineral soil interface.

- Determined that the optimal analytical suite is **Au, Ce, Co, Cu, Mo, Nd, Ni, Rb Ti W**. Ag and Cr are also recommended to be included in the suite.
- Determined the analysis of **Ti is critical** to effectively utilize and validate the Au, Ce, Co, Cu, Mo, Nd, Ni, Rb Ti W suite.
- Determined that the direct Au response appears to be attenuated in reduced environments and possibly in oxidized clay environments.
- Determined that the Ce Nd combination appears to respond directly to Au in all environments when normalized to the equivalent reduced population.
- Determined that Ce, Co, Cu, Nb, Nd, Ni, Rb all appear to be **effective in all environments** when normalized to the equivalent reduced population. These metals indicate a zoned response to the targets indicating that the target mineralization/alteration may be zoned.
- Determined Cr, Mo and W are useful metals that respond only in oxidized environments.
- Tentatively verified the validity of the selected exploration targets surveyed.
- Determined that the systematic study of the oxidized population be divided into oxidized clay and oxidized sandy (+/-silty) soils. This combined with reduced soils; renders three analytical populations that must be statistically dealt with separately in their natural populations, then normalized to the equivalent reduced population.

2.0 LOCATION AND ACCESS

The property locations referenced in this report and appendices are identified using Nad 83 UTM coordinates. The centre of the property is located at UTM coordinates 0563565mE, 5326832mN. This location is the grid origin; 4000E-000N. Topographic sheet 42A/1 (Kirkland Lake) applies to the property.

All the claims are located in Otto and Eby Townships of the Larder Lake Mining Division. The property is located:

- 10 kilometres southwest of the town of Kirkland Lake,
- 5½ kilometers southwest of the Macassa Mine workings,
- 2 kilometers west of the Gateford Mine (also known as Golden Gate Mine) at Swastika and
- 400 meters south of Highway 66.

The west end of the property is best accessed from Highway 66 at a point 2.3 km east of the intersection of Highway 11 and Highway 66. At this location; park at

the access road leading north from Highway 66 and walk 400 meters south to the #1 post of claim 1186975.

The east end of the claim group is best accessed from Highway 66 at a point 3.7 km east of the intersection of Highway 11 and Highway 66 (0563554mE, 5327894mN). At this location park on the shoulder of the highway and walk the township line south for 550 meters to the #4 post of claim 475258.

3.0 THE PROPERTY

The property is 11 claims consisting of 15 claim units (8 leased 7 staked) in Eby and Otto Townships.

Claim	Units	Location
532929	1	NE1/4, S1/2 Lot 3, Conc. VI, Eby Tp. Lease 106013. MNDM#: G8000813
532930	1	NW1/4, S1/2 Lot 3, Conc. VI, Eby Tp. Lease 106013. MNDM#: G8000813
1242292	1	SE1/4 , S1/2 Lot 2, Conc. VI, Eby Tp.
1186975	2	W1/2, S1/2 Lot 2, Conc. VI, Eby Tp.
1187002	4	S1/2 Lot 1, Conc. VI, Eby Tp. Bank W9980.00451 $10,847. Bank W9680.00457 $ 1,013.
532924	1	NW1/4, N1/2 lot 1, Conc. VI, Eby Tp. Lease 106011. MNDM#: G8000814
532925	1	NW1/4, N1/2 lot 1, Conc. VI, Eby Tp. Lease 106011. MNDM#: G8000814
475258	1	NW1/4, S1/2 lot 12, Conc. VI, Otto Tp. Lease 106732. MNDM#: G8000296
475259	1	NE1/4, S1/2 lot 12, Conc. VI, Otto Tp. Lease 106732. MNDM#: G8000296
475260	1	SE1/4, S1/2 lot 12, Conc. VI, Otto Tp. Lease 106732. MNDM#: G8000296
475261	1	SW1/4, S1/2 lot 12, Conc. VI, Otto Tp. Lease 106732. MNDM#: G8000296
	15 units	

4.0 PHYSIOGRAPHY AND VEGETATION

The property has moderate topography comprised of rocky knolls covered with glacial till, water worked glacial sediments and clays. The area is covered by stands of boreal forest consisting of poplar, balsam fir, black spruce, white cedar, and alders. Significant recent clear cuts have exposed the southeastern corner of the claims located in Otto Township.

5.0 REGIONAL AND PROPERTY GEOLOGY

The property is located 5½ km southwest of the Macassa Mine workings within the southern portion of the Larder Lake - Cadillac Deformation Zone.

The Larder Lake Cadillac Deformation Zone consists of a series of east-west trending deformation/fault/alteration zones and cross faults. The Kirkland Lake Break, within the northern part of this deformation package produced 23,292,472 Troy Ounces of gold from nine mines as tabulated below:

Tons	Grade	Troy Oz Au	Mines (on the Kirkland Lake Break)
6,496	0.07	483	Hudson Rand
3,140,283	0.37	1,172,955	Kirkland Lake
4,230	0.45	1,921	Kirkland Townsite
17,117,923	0.50	8,573,246	Lakeshore
6,305,835	**0.44**	**2,768,097**	**Macassa**
5,049,536	0.33	1,674,808	Sylvanite
9,565,302	0.38	3,709,007	Teck Hughes
1,186,316	0.48	570,659	Toburn
9,934,327	0.49	4,821,296	Wright Hargreaves
52,310,248	0.45	23,292,472	Troy Oz Au

The property is also located 2 kilometres east-southeast of the Gateford (Golden Gate) Mine at Swastika.

Tons	Grade	Troy Oz Au	Mines (on the Kirkland Lake Break)
103,684	**0.29**	**30,068**	**Gateford (Swastika)** Also known as Golden Gate Mine

6.0 EXPLORATION HISTORY

In excess of 40km of grid lines were cut in 1994-1995 by the property owners. Total magnetic field strength surveys and multi frequency MaxMin surveys and detailed geological mapping were performed by the author and his family during 1994-1995. The 1995 work was in part funded by OPAP grants to James Reed and the author. The 1995 work was funded by Nastek Exploration Ltd. and reported by James Tilsley.

The Nastek option, including a planned drill program, was terminated within ten days of MRR's (leaked) announced proposal that recommended the placement of a Lands for Life provincial park on the property. Proposed parks on leased lands, including this property were systematically abandoned approximately 18 month later.

In 1994-95 the claim was in a recent spruce budworm kill rejuvenated by small balsam fir seedlings. At that time, much of the balsam fir had matured to a dense intergrowth of one half to two centimeter trees. James E. Tilsley in his report stated:

> *"parts of the north group have dense cover of young second growth balsam fir which has developed after severe spruce bud worm damage about ten years ago. This area has both standing 'widowmaker" and fallen 'kneebreaker' decaying tree trunks which make traversing and working in this section of the property both difficult and hazardous".*

The dense intergrowth of the trees has since matured, making traversing more difficult and has obliterated most evidence of previous work. During 2012 work, the old lines were identified by the bungees and stumps from the 1994-1995 work.

7.0 EXPLORATION RATIONAL

This exploration program was designed to determine MMI criteria to:

- Determine the potential effectiveness of MMI to the Eby-Otto project.
- Determine the optimal MMI procedure
- Determine the optimum analytical suite
- Determine the limitations and special requirements of MMI on the project
- Test six priority mineral exploration targets.

All the lines tested and most of the property falls within the impact area of the Larder Lake - Cadillac Break. It is also recognized that the Larder Lake Cadillac Break is a series of braided structures with associated alteration and mineralization; some of which were developed as mines reported in the "Property" section above. See the mine section included in the appendices of this report.

It is recognized that the survey may have not tested true background MMI sites free from the impact of the Larder Lake – Cadillac Break. Based on previous mapping by the author, it is assumed that approximately 30-40% of the sample sites represent weakly impacted rocks.

Regionally, the main east-west trending breaks have steep dips of 60-90 degrees and the ESE – WNW trending of Riedel cross structures have moderately shallow dips. These dips may cause mineralization/alteration to dip under much of the area that is weakly impacted by the Larder Lake – Cadillac Break. Down dip

alteration/mineralization can cause anomalies over surface rocks that are not significantly altered or mineralized.

The SGS case studies and literature reviewed by the author indicates Mobile Metal Ions are transported vertically to the surface anomalies directly above the (down dip) mineralization. It has recently been recognized that oxidized and reduced environments cause apparent shifts of MMI analytical populations. Based on the author's experience; it appears MMI responses are also partly controlled by bedrock breaks/structures, depth to bedrock, proximity to bedrock exposures, soil type and groundwater discharge/recharge flows.

Based on the author's experience; it appears, MMI responses do not consistently occur as a one-to-one response to the mineralization/geology believed to cause the response. One or more of the pathfinder Mobile Metal Ions may fail to respond in an apparently logical configuration. Geological mapping and MMI field notes are important to validate the interpretation of MMI responses.

SGS literature indicates that the swamps/bogs (reducing environment) can cause shifts in MMI analytical populations. The observations and conclusions of this report discuss the impacts of bogs/swamps on shifts in Cu, Cr, Mo, Ti, and W analyses.

7.1 Pathfinder Element - Analytical Selection

The author researched MMI procedures to update his practice to current knowledge of the procedures. The following pathfinder suite: Ag, Au, Ce, Co, Cr, Cu, Mo, Nb, Nd, Ni, Pd, Rb, Ti and W were compiled from SGS MMI case studies and technical bulletins and other sources.

Research determined that many of the pathfinder metals are common to the various potential mineralized geological environments of the property. Iron-oxide-copper-gold (IOCG) deposits are expected on the property; however, the IOCG suite was included to demonstrate the persistence of these metals associated with a wide range of deposit types.

Gold veins are the primary exploration target. Syenite porphyry is common north and south of the property. A unique stockwork alteration with an associated gold showing was investigated on line 465N and diagonal line XL. This alteration may be associated with a porphyry system at depth. Line 465N was established to test a magnetic anomaly with the signature of a kimberlite pipe or other igneous intrusive, possibly mineralized feldspar porphyry.

The dominant lithology of the property is a mafic intrusive suite consisting of gabbro, anorthositic gabbro and diorite. The presence of numerous conductors

indicates the potential of Ni, Pt Pd deposits. The presence of the numerous conductors indicates this mafic suite had access to thermo erosion and assimilation of mineralized rocks (including sediments) beneficial for Ni, Pt Pd accumulations. It was assumed Ce and Nd indicate favorable mafic units.

7.2 Analytical Suite Selection

The table below listing the selected MMI suite constructed as a tool to balance the expected benefit among the various potential geological environments. The Mobile Metal Ion analysis package "**MMI M5** Multi Element Package" was performed on the recommendation of SGS. The significant documents researched are tabulated in the table below.

MMI Metal Suites

Metal	Atom No.	SGS^{TB18} SGB^{TB19} Vein Gold	SGB^{TB19} Porphyry System	SGB^{TB17} SGS^{TB18} SGB^{TB19} Ni-Pt-Pd Deposits	SGB^{TB19} SGS^{TB18} SGS^{CS39} Kimberlite	$Robinson^{Int}$ A4 Kimberlite	SGS^{CS39} C14 Kimberlite	SGB^{TB19} I O C G
Ag	47	Ag	Ag					Ag
Au	**79**	**Au**	**Au**					**Au**
Ce	***58***	***Ce***	***Ce***	***Ce***	***Ce***		***Ce***	***Ce***
Co	**27**	**Co**	**Co**	**Co**	**Co**	**Co**	**Co**	**Co**
Cr	24	Cr		Cr	Cr		**Cr**	
Cu	29		Cu					Cu
Mo	42	Mo	Mo					
Nb	41				Nb	Nb		
Nd	**60**	**Nd**	**Nd**	**Nd**	**Nd**		**Nd**	**Nd**
Ni	27	Ni		Ni	Ni			
Pd	46			Pd	Pd			
Rb	**37**	**Rb**	**Rb**	**Rb**	**Rb A4**	**Rb**		
Ti	**22**			**Ti**	**Ti**			
W	74	W	W					

SGS^{908} SGS "**MMI Sampling Guide**": Emphasized a consistent sample depth 10-25cm below the organic mineral soil interface.

SGS^{TB17} SGS "**Technical Bulletin MMI TB17: MMI Geochemistry for Nickel Exploration**":

Identifies Ce (Nd) as metals asociated with felsics, black shales and plumes of felsic rock (and sediments) incorporated into the base of the Ni sulphides during the of thermo erosion process.

Identifies MMI criteria for nickel deposits as moderate to high Ni and Ce, high values of Co and Pd [and low values of Cr (i.e. high Ni/Cr ratios)].

SGS[TB18] SGS "**Technical Bulletin MMI-TB18: Rare Earths and MMI Geochemistry. Ni Deposits**":

Identifies Ce, Nd, La and Yb as pathfinders for vein type gold deposits.

Identifies Cs, Rb, U, K, Ti, Li and Be as incompatible metals which do not readily enter into the early rock building minerals.

Identifies **Ce anomalies expected peripheral to Ni deposits.**

Identifies that the Rare Earth elements including Ce and Nd have excellent vertical mobility and special discrimination.

Identifies that the Rare Earth elements, including Ce and Nd discriminate rock types (felsic) and certain alterations including porphyry alteration zones.

SGS[TB19] SGS "**Technical Bulletin MMI-TB19: MMI Orientation in temperate to Tropical (Non-Boreal) Environments**" identified the following metal associations:

Gold: Au, Ag, Ni, Co, Cr, Ce (Nd).

Nickel: Au, Ag, Ni, Co, Cr, Ce (Nd).

Porphyry systems: Cu, Mo, Zn, Cd, Au, Ag, Pb, Co, As, Ce Nd, Rb, La, Se, W, Fe, Mg.

Porphyry system Core: Cu/Mo/Zn ratios

Porphyry system outer halo: Ag, Pb, As Co

Porphyry system Core distal zones: Au, Ag

Kimberlite : Cr, Ni, Pd, Mg, Co, Nb, Y, La, Ce, Nd.

IOCG : Cu, Au, Ag, U, Th, Co, Ce, La, Mg, Fe.

This bulletin emphasizes that mineral deposits tend to be **zoned**. The appraisal of the report infers metal zoning can occur on the property creating complex anomalies with metal responses offset from the other associated pathfinder metals. It is recognized that some metals that respond in a non-boreal environment may not respond in northern Ontario.

SGS[TB20] SGS "**Technical Bulletin MMI-TB20: Inferred Geology Using MMI Ni and Ce**":

Identifies Ni, Cr, Mg, Co, V, Fe, Mn, Ca, Sr, P, Ba and Eu as compatible metals that enter early rock forming minerals (in a melt) such as olivine, pyroxene and titanomagnetite.
Identifies Cs, Rb, Ce (Nd) as incompatible metals that remain in the liquid (fractionated) and end up in increased concentrations in felsics, granites, syenites, pegmatites etc and also in sediments.
Identifies Ce/Ni ratios as pathfinders to differentiate lithologies.

SGS[CS39] SGS **"Case Study 39: C14 Kimberlite, Clifford Township, Kirkland Lake, Ontario, Canada"**: This document appears to have significant problems in accurately connect the text to the figures. This case study was abandoned as a source document, except to identify pathfinders Y, La, Ce, Pr, Nd, Sm, Gd, Tb, Er, and Y.

Robinson: Internal document MMI Orientation study over A4 pipe.

Other bulletins and case studies were examined and considered less significant to the project and are omitted from the above list.

An MMI orientation study (by the author) over the large A4 kimberlite pipe showed the kimberlite pathfinder metals responded over some parts of the A4 kimberlite pipe but not others. This inconsistent response illustrates the importance of collecting multiple samples directly over the targeted mineralization/alteration.

A 12.5m sample spacing was selected as the default sample interval. Outside of the expected responses area the sample spacing was opened up to 25m to give background values over a wider area for a given number of samples.

The author recommends future sampling of the property should be performed at 12.5m spacing. If future economic situations require a compromise between sample density or reducing the area sampled, the preservation of the default 12.5m sample density is essential. The compromise should be dealt with by reducing line density or selecting highest priority target areas.

8.0 EXPLORATION PROGRAM

The author conducted research to implement current MMI procedures and to select the pathfinder elements to be used in this program. The author also made logistical and equipment preparations prior to field work.

The field work was performed by Doug Robinson Consulting staff: Douglas Robinson and Betty Robinson.

All the lines sampled were re-cut using the evidence of the 1994-1995 grids. The lines were often completely overgrown and the evidence consisted of bungees and stumps. New pickets were established as required. New compass lines: 200S and diagonal line XL, were brushed out and 25m interval pickets established. Walking trails were cut from highway 66 to the property. Old lines from the north boundary to the samples lines were also brushed out. Re-cutting of sample lines and trails were required to manipulate the sampling equipment (including a 1.2m, a 2.4m and a 3.6m auger) to the site and to manipulate the augers at the sample sites. The trees were laden with snow, which was a significant problem with the 3.6m auger.

A single soil-sampling hand auger was purchased to supplement an existing auger. One auger was cut and a 1.2m insert was welded into the auger stem. One auger was then used to sample to 1.2m and the second auger to 2.4m.

The 2.4 meter auger broke in a deep hole and could not be recovered. Two additional hand augers were purchased. The stems were cut and a 1.2m insert was welded into one and a 2.4m insert was welded into the other. A new weld design was used that included a thick reinforcing sleeve encasing both sides of all the welds. This is how the 1.2m, 2.4m and a 3.6m augers were created for the survey.

A 12.5m default sample interval was chosen. At each site the soil was augered as close as practical to the default location. Obstructions including boulders and outcrops necessitated some sample location offsets, generally less than 3 meters and preferentially perpendicular to the line.

Field notes included the depth to mineral soil and the depth of sample collection, the soil type, (sand, clay, etc.), soil colour, and other pertinent details.

The samples were collected from hand augered holes. The hole was deepened in increments until mineral soil was encountered. The top 10 cm of mineral soil was discarded. The mineral soil from 10-25 cm below the top on the mineral soil was then removed directly from the auger and placed in the sample bag. Any significant pebbles were hand picked from the sample. The soil was logged and the air expelled from the sample bag as the bag was sealed. The sample bag was rolled and placed in a second sample bag from which the air was also expelled. A commercial, water proof sample tag was placed between the inner and the outer bag, with the numbers clearly visible from the outside.

The commercial sample tags come with their sample number printed twice on them. To ensure further accuracy, the last four digits of the sample number were also hand printed on the sample tags, with bold, permanent felt pen numerals (prior to field work). Both the inside and outside sample bags were hand inscribed

in bold, permanent felt pen numerals (last four numerals). All sample tag and bag inscriptions were placed with the numbers clearly visible from the outside.

The top 10 cm of the mineral soil and overlying organic soils were discarded. Occasionally, debris from the overlying soils would fall down the hole and come up with the sample. The sample was visibly distinct from the overlying material as it was hard packed and the overlying material was loosely packed, in addition the overlying material was often mixed with organic soils. This made cross-contamination easily avoidable.

Many holes were re-augered after the mineral soil depth was determined. Soil from the first hole was then discarded. This rendered greater assurance of a true 10-25 cm depth below the upper limit of the mineral soil. Some samples were deemed insufficient from the sampled hole. These holes were repeated and additional mineral soil from the repeated hole was added to the sample to complete the sample aliquot.

Samples were not collected from sites where mineral soil was not recoverable. The dominant cause of missed sample sites was the passage of the auger directly from humus into boulders that could not be penetrated by the auger. Rare sites were encountered where suitable mineral soils were not developed. Sites were encountered in various places where the auger passed through humus into boulders then back into humus, then into mineral soils which were sampled.

The samples were stored in new, white plastic dishpans pending re-logging and sample shipment.

The sampling process results in mud coating everything in the field. To ensure accuracy, the samples were cleaned as follows. The sample bags were dipped in clean water and wiped to remove the mud from their outer bag. The outer and inner bags were then opened and the sample was re-logged, and the field notes were verified and/or augmented. The verified and/or augmented field notes were typed and are included in this report. The mud was wiped from the inner bag, then it was returned to the outer bag with its sample tag facing out so that their numbers could be read. The air was expelled from inner and outer bags to ensure that they did not pop during transport. The sample was weighed (tared to two empty bags) and the samples were systematically returned to the dish pans for temporary storage.

The samples were boxed in two shipping boxes and shipped by Purolator to

SGS Minerals Services
1885 Leslie Street
Toronto, Ontario

M3B 2M3
Phone 416 445-5755

The author and Betty Robinson commenced sampling October 27, 2012 and completed the sampling Nov 9, 2012.

8.1 Line 2500E

Line 2500E was identified and brushed and out from the north claim line to the base line. Pickets and/or flagging were established at 25m intervals in the sampling region. Some of the original pickets were found and identified.

The line was sampled at the default 12.5m spacing. Some sites were not sampled because mineral soil was not present or was not recoverable.

8.2 Line 3800E

Line 3800 was brushed out and picketed at 25m intervals. The original line was completely overgrown. Original, 1994 pickets were found and identified at 000N, 025N, 050N, 075N and 100N. No pickets were found at 125N.

Line 3800 E was designed to test a strong, three-frequency MaxMin EM anomaly where the conductor crosses the projection of the North Break and the South Break. These breaks appear to control the alteration and mineralization of the property.

This location and configuration was chosen to test both the projection of the inferred property-wide structure and to test a conductor as a secondary target.

8.3 Line 4000E

Line 4000 was brushed out and picketed at 25m intervals. Some original pickets were found.

Line 4000 E was designed to test over a high priority, unique short MaxMin EM anomaly that appears to be associated with and parallel to the projection of the main breaks that appear to control the alteration and mineralization of the property.

8.4 Line 200S

Line 200S was designed to test for an inferred 160/340° structure coincident with numerous auriferous float (**1337 ppb Au**) along Line 4550E from 250S-320S. This inferred Au zone projects to 200S-4535E.

Line 4450E was identified at the base line and brushed out to access line 200S. The original 4450E-200S location was found and identified. At this location, line

200S was laid out at azimuth 090°, then brushed out and picketed at 25m intervals. Line 4550E was found but no original picket was found at this location. The original 1995 picket "4550E-225S" was found and identified 25m south of the 200S-4550E sample site.

All evidence of line 4650E was destroyed by a recent clear cut.

8.5 Diagonal Line XL

Most of the traditional Kirkland Lake gold ore was mined from near vertical, east-west trending veins parallel to and associated with the Kirkland Lake Break and other parallel breaks. Since 2000, much of the newly discovered ore at Kirkland Lake is in Riedel structures.

The South Mine Complex of the Macassa Mine (*which is located between the property and Kirkland Lake*) is being developed on moderately shallow dipping Riedel structures. These Riedel structures splay off the east-west trending Kirkland Lake Break.

Line XL was designed to test an east-southeast trending lineament inferred to be an altered and mineralized Riedel structure. This inference is based on the similarity to other swamp-filled lineaments with altered outcrops along the edges similar to the relationships described below.

In 1994 the author sampled a gold showing located at Line XL 025E. The sample was a bedrock quartz stringer grading **19749 ppb Au**. The wall rock assayed 237 ppb Au. The alteration is a bleached stockwork with finely disseminated pyrite. This alteration is distinctly different from the more pervasive alterations encountered on the property. This gold showing is the outcrop closest to the inferred Riedel structure.

Line XL was brushed out at **045°** azimuth and picketed at 25m intervals. Line **XL-012E** and 1994 grid location **4300E-369N** are coincident. The original 1994 picket at 4300E-375N was found and identified. Line **XL-087E** and the 1994 grid location **4350E-425N** are coincident. The original 1994 grid line was overgrown; however, the original picket at 425N was found and identified. The line ended at approximately XL-148E at the north claim line.

8.6 Line 465N

The north claim line of the Otto Claims was sampled along the cut land survey, which is line 465N. This survey line was re-cut by James Reed by following the stumps (circa 1994). This line has a distinct moderately positive magnetic anomaly located at 4175E to 4275E. This anomaly appeared to be caused by a

kimberlite or other intrusive body. The magnetic anomaly is located at the projection of an inferred west northwest trending gold structure that was also tested by Line XL.

The kimberlite suite Co, Cr, Nb, Nd, Pd, Rb was assayed for all samples collected during field work. These metals are also associated with gold affinities; including vein gold and porphyry gold systems, with some overlap with the IOCG gold suite.

Samples were collected to 50m beyond the edges of the targeted magnetic anomaly.

9.0 OBSERVATIONS AND RESULTS

9.1 Possible Attenuation of Au in Reducing (clay) Soils

The soil from reducing environments was consistently clay. This is in contrast to oxidized soils that tended to be sandy soils. These appear to be the non anomalous samples. No reduced samples returned values greater than 0.6 ppb Au. This was unexpected because the observed alteration and inferred mineralization occurs preferentially in lineaments, coincident with clay bottom swamps.

Three definitely Au anomalous soils were encountered in oxidized soils at:

Line 2500E	012S	1.2 ppb Au 100th percentile,
Line XL	027E	1.0 ppb Au 98th percentile,
Line 4000E	025N	0.7ppb Au 96th percentile.

These three anomalous oxidized samples are a definite break from the background oxidized sample population.

The cumulative frequency graph of Au in reduced soils lacks a distinct break in slope separating anomalous samples from the background population. This indicates the gold values are attenuated in the reduced samples. The depth to bedrock may attenuate the Au response resulting in decreasing Au values with soil depth. Alternatively: the oxidized environment or clay may inhibit the formation of Au anomalies.

Expected Au responses on lines 3800E, 200S and 465N appear to be attenuated due to the influence of reduced environments. Additional research is required to resolve apparent ambiguities caused by reducing environments on Au values

9.2 Treatment of Ag Statistics

No definite Ag patterns were established except that Ag values tended to be noisy and anomalies could be lost in the noise envelope. There is a general appearance that Au peaks commonly correlate with Ag lows. It is recommended that Ag be analyzed in future surveys. Future work could determine if there is an Ag halo to Au mineralization.

9.3 Colour distinction of Oxidized and Reduced Soils

Oxidized soils tended to have a distinctive brown to red color in contrast with gray to greenish gray of reduced soils. Some soils that were difficult to classify soils tended to be yellowish to yellowish gray. These appear to be traditional soils possibly exposed to variable oxidizing and reducing conditions.

9.4 Ti Discrimination of Oxidized Reduced Environments

Reduced soils were consistently less than 200 ppb Ti.

74% of all soils logged as oxidized are greater than 200 ppb Ti. 24% of the soils logged as oxidized soils are less than 120 ppb Ti. This lower 24% of the apparent oxidized soils with less than 120 ppb Ti appear to be a separate population from the other soils logged as oxidized soils. This anomalously low population is not explained in this report. The oxidized data set should be examined to determine if these soils are clays. If these soils are clays, all the metal analyses of the oxidized samples should be divided into either a clay soil population or a coarser, generally sandy soils population. The resulting statistical analysis would generate separate population analyses for:

- reduced soils, generally clays
- oxidized clay soils
- oxidized coarser soils, generally sandy soils.

There is a significant possibility these three statistical evaluations would reduce apparent analytical noise, generate greater confidence in anomalies, and possibly generate additional anomalies. It could also deal with the possible attenuation of Au anomalies by clay soils.

Ti, Cr and Au should be examined in the three population distributions to establish if Au has an attenuated signature in either or both of the reduced (clay) soils and oxidized clay soils.

The Cu, Mo and W distributions appear to be environmentally controlled and may benefit from the proposed three statistical evaluations.

9.5 Raw Data Plots versus Filtered or Percentile Data Plots

The author favors dealing with **Raw Data** whenever possible, or data as close to raw data as possible. In preparing this report the author has performed statistical evaluation to establish ratios for **Reduced Normalization** of each metal to compensate for shifts of response (magnitude) relative to the surficial environment. The author recognizes **Normalization** of data is a necessary filter to render large data sets manageable for overview/generalized interpretation.

The author recognizes the benefit of both **Map Plots** and **Profile Plots**. Map plots are particularly beneficial when working with multiple lines with many data points. Profile data is particularly beneficial in dealing with specific anomalies and individual drill targets and for verifying the validity of normalization correction for multiple surficial environments. Using profile data that includes raw data is an excellent logistical check of validity of the data and to certify the data from analytical certificates.

Data in Map Plots

For large data sets generated from multiple lines, data normalized to the equivalent reduced value is probably the ideal format for dealing with general project management and decision making. It would be beneficial to have the capacity to electronically plot the raw data on plan.

The raw data and normalized data could be:

- plotted as separate plans identifying oxidized data points.
- plotted as contoured normalized data with raw data numerically reported to the data points.
- plotting both raw data and normalized data tied to each data point i.e. plot Cu^{O} as "1055/4536" = Raw analysis/Reduced Normalized ($4.3XCu^{O}$ = Cu normalized to reducing). Reduced samples would plot in the format 4563/4563. The ability to contour normalized data would be beneficial.

Data in Profile Plots

Profile plots showing both the raw data points and the normalized data points are the default presentation of this report. This format appears to be the most beneficial to deal with mixed oxidized and reduced sample data.

Showing the raw numeric analytical data above the raw data point is beneficial and preferred as the default profile plot. This process of plotting both profiles

graphically shows spurious results. The profiles plots of lines 3800E and 465N show the samples at 465N-4275E and 3800E-062E have spurious results that would be difficult to recognize in plan plotted data.

9.6 Potential Treatment of Ce Nd Ratios

Ce and Nd responses appear to originate from multiple sources including MaxMin EM anomalies, Au occurrences and possibly auriferous feldspar porphyries, and mafic/ultramafic rocks that have thermally eroded and assimilated felsic rocks and sediments.

Future examination of Ce/Nd ratios may be useful in large data sets to discriminate response sources. For example the anomaly at the Au showing at Line XL 025E has a high Ce/Nd ratio 2.28 (347Ce:152^{Nd}). In contrast the Au anomaly at Line 2500E-162N has an abnormally low Ce/Nd 0.86 ratio (312:Ce 364Nd.

9.7 Anomalous and Difficult to Sample Soil Profiles

Near outcrop areas; some holes were augered through moderate depths of clean black humus, into boulders and/or talus and then back into clean black humus before intersecting mineral soils consisting of reduced clays. This situation was encountered at several locations and reported in the attached field notes (see 2500E-278N, & 465N-4175E).

It appears that talus or boulders were transported to their final resting place, where they are now floating within the humus. It is uncertain if these rocks moved down slope due to gravity, or were transported to their final location by floating ice.

Some locations were augered directly from black humus into boulders where mineral soils were not recoverable. These failed holes were repeated multiple times within 5m (occasionally up to 10m) of the default location to recover mineral soils. Where multiple holes failed, the sample sites were abandoned. The abandoned sites appear as gaps in the profile presentations included in this report (see 2500E at 231N, 228N, 225N, 087S and 100S, line 4000E at 050N and 100N).

A few clay samples had minor to significant sand and/or pebbles which were reported in the sample log, but not otherwise dealt with in this report. The author does not consider this clay dilution a problem. However samples with this sand and/or pebbles have an increased probability of being affected by transitional/edge effects discussed in this report.

9.8 Line 2500E

Line 2500E identified responses to the North Break and South Break, EM conductors and a quartz vein as described below. Additional responses are also described below. The area tested is a complex environment involving breaks, alteration, veining and probably mineralization. The responses are expected to be overlapping and represent both enrichment and depletion in both the primary geology and geologically overprinting events.

Major E-W Breaks: 2500E 052S & 054N

The main (sub-vertical) east west breaks are projected to 2500E-043N (North Break) and 2500E-052S (South Break). Ore deposits controlled by faults are commonly hosted in the more competent rocks near the breaks that are sufficiently competent to retain openings after shear/fault movements.

Projection MaxMin EM Conductors – Line 2500E

The projection of the two main breaks at 052S & 054N are roughly coincident with the projection of MaxMin conductors at 065S and 054N. The apparent discrepancy is within the margin of error and the projections and/or the potential impact of unknown dip considerations.

The 065S location is the projection of a quadrature MaxMin response indicating it may be a fault structure. This anomaly is located at a clay bottom swamp, but is offset north from the location that would be expected from a clay induced anomaly.

The location 054N location appears to be shallow overburden. A 100m cable MaxMin survey of line 2500E had a very weak response at this location. A deep MaxMin response located 100m to the east was established (1994) using a 200m cable EM survey.

The 264N is the eastward projection of quadrature MaxMin anomalies located in clay bottom swamp. This anomaly and swamp appear to be structurally controlled. The quadrature response may be caused either by the clay or be a response to a bedrock structure below the clay.

Projection 25cm Quartz Vein: 1356 ppb Au

330N is on strike with a 25cm quartz vein (1356 ppb Au) to the east and quartz veins to the west.

Au Anomaly 2500E 125S

This is a single sample Au anomaly at the south edge of a major east-west trending swamp. Two intended sample sites to the north (087S and 100S) of this anomaly could not be tested due to the soil profile passing directly from black humus into boulders.

A low outcrop 45m to the east of the anomaly is a Fe-carbonate alteration. To the east of this anomaly, the outcrops on the north and south edges of this swamp mark the edges of an east-southeast trending Riedel structure. Riedel structures are the host of the Macassa's South Mine Complex. This ore zone is being mined between the Property and Kirkland Lake.

125S 0.6 ppb Au (96-100$^{th\ R}$ percentile, anomalous).

Au Anomaly 2500E 012S

This single sample anomaly is the **highest gold value** encountered in the survey. It is coincident with the projection of a strong alteration zone projected to 2500E-014S. This alteration zone is exposed to the east at 2580E-005S and 2625E-003N.

The anomaly and alteration are located approximately midway between the North Break at 2500E-043N and the South Break at 2500E-052S.

This sample site appears to be deep sandy soil, indicating it is independent of bedrock typographical effects.

012SS 1.2 ppb Au (100$^{th\ O}$ percentile, anomalous).

Au, Ce-Nd Anomaly 2500E 162N

This single station anomaly is located at the contact between two lithologies mapped as anorthosite (pale grey rock) to the south and Mg tholeiite to the north. This contact is also coincident with a Ce-Nd anomaly.

The anorthosite to the south has a high Cu - low Ni response. In contrast the Mg tholeiite to the north has a high Ni - low Cu response.

The Au causing this response may be part of a mineralizing event that caused the Ni response to the north and described below.

Coincidentally: this is the location of James Reed's circa 1980 base line. The evidence of this line has probably been obliterated by balsam second growth that followed a circa 1985 spruce budworm kill in Eby Township.

162N 0.6 ppb Au (96-100$^{th\ R}$ percentile, anomalous).
162N 312 ppb Ce (72nd R percentile, moderately high background),
162N 364 ppb Nd (96$^{th\ R}$ anomalous),
175N 776 ppb Ni ((98$^{th\ R}$ anomalous).

Au Anomaly 2500E 312-338N

This is a three sample anomaly consisting of two anomalous Au samples with a single high background Au sample between these high values. The anomaly is coincident with a flat profile, magnetic low. Overburden does not appear deep; however, outcrops are restricted to small exposures, many of which have strong Fe-carbonate alteration.

The anomaly and alteration are on the projection of a 25cm quartz vein located 200m to the east. This vein grades **1358ppb Au**. Also a 10 cm quartz vein in outcrop and quartz veins in talus occur on strike and 50m west of this anomaly.

The anomaly is also coincident with anomalous to high background responses for Cu, Mo, Ce, and Nd. These metals have been grouped together with gold as one anomaly (Mo is included as associated peripheral or shoulder anomalous sample).

312N 0.5 ppb Au (91-95$^{th\ O}$ percentile, anomalous),

325N 0.4 ppb Au (80-89$^{th\ O}$ percentile, high background),

338N 0.5 ppb Au (91-95$^{th\ O}$ anomalous),
338N 453 ppb Ce (95$^{th\ O}$ high background),
338N 328 ppb Nd (96$^{th\ O}$ possibly anomalous),
338N 5620 ppb Cu (100$^{th\ O}$ anomalous). This is possibly a high background reduced sample at the 87th percentile indicated by low Ti value.

350N 6 ppb Mo (91-96$^{th\ O}$ possibly anomalous).

Rb Response 2500E 038S-038N

See "*Rb Alteration Anomaly 200S 4525-4575E*".

This seven-sample, Rb response has a signature that appears to be associated with the inferred alteration-structural zone. The response ratio between high values and background values is small; however Rb appears to be an important tool evaluating MMI results on the property. The small response ratio makes it imperative to deal with the shift between oxidized and reduced sample populations.

The Rb response is coincident with the alteration located between the North Break and the South Break.

038S 259 ppb Rb (100$^{th\ O}$ percentile, above apparent alteration threshold),

025S 98ppb Rb (62$^{nd\ O}$ percentile, above apparent alteration threshold),

012S 196ppb Rb (96$^{th\ O}$ percentile, above apparent alteration threshold),

000N 200ppb Rb (98$^{th\ O}$ percentile, above apparent alteration threshold),

012N 137ppb Rb (78$^{th\ O}$ percentile, above apparent alteration threshold),

025N 172ppb Rb (87$^{th\ O}$ percentile, above apparent alteration threshold),

038N 126ppb Rb (73$^{rd\ O}$ percentile, above apparent alteration threshold).

Cu Response 2500E 075-150N

075-150N is a distinct high background Cu - low Ni response coincident with a lithology mapped as anorthosite. The Cu-Ni response may be related to the chemistry of the original lithology and be independent of the gold style alteration/mineralization overprint of the property.

The high Ce-Nd response at 162N is associated with both low Cu and low Ni values. These high Ce-Nd values may indicate that a porphyritic intrusive or a sedimentary unit may form the contact between the units mapped as the anorthosite unit (to the south) and the Mg komatiite unit (to the north). This is an inferred interpretation of the response at 162N. The ground is overburden covered and no sediment or porphyry was observed in the field.

075N 1420 ppb Cu (87$^{th\ O}$ very high background).

088N 1380 ppb Cu (86$^{th\ O}$ very high background).

100N 200 ppb Cu (6$^{th\ O}$ low background).

112N 1060 ppb Cu (73$^{rd\ O}$ high background).

125N 1150 ppb Cu (80$^{th\ O}$ high background).

138N 2160 ppb Cu (94$^{th\ O}$ possibly anomalous).

150N 850 ppb Cu (62$^{nd\ O}$ background).

162.N 312 ppb Ce (72$^{nd\ R}$ high possibly anomalous).
162N 364 ppb Nd (96$^{th\ R}$ high background).

Co Anomaly 2500E 075N

See "*Co-Ni Anomaly 200S 4625-4650E*"

The anorthosite described above has a high Cu, - low Ni response. The south contact of this anorthosite could not be defined due to a strong chlorite overprint to the south of 075N. This chlorite overprint in turn has a strong gold style Fe-carbonate overprint. These alterations appears to be controlled by the North Break (2500E-043N) and the South Break (2500E-052S).

The Co anomaly is at the north edge of this alteration. The original lithology of the altered rock to the south could not be identified.

A systematic Co buildup on the south and north shoulders of the Co anomaly verify this is a real response.

The reason the Co anomaly is located at this contact is uncertain. It is possible the Co is an alteration front located at the interface of the alteration and the less altered rock to the north. This can be explained by sharp changes in chemistry marked by the buffering effect of less altered rocks buffering the mineralizing solutions. If this is the case; this buffering effect could explain why the other similar narrow Co anomalies are peripheral to the altered mineralized units tested in this survey. If narrow Co responses peripheral to Au mineralization are real, Co it is an important pathfinder metal.

067N 182 ppb Co (80$^{th\ O}$ high background),

075N 714 ppb Co (98$^{th\ O}$ anomalous),
075N 6 ppb Mo (91-96$^{th\ O}$ possibly anomalous),

088N 270 ppb Co (87$^{th\ O}$ possibly anomalous).

Ni Response 2500E 175-260N

075-150N is a distinct, anomalous to high background Ni – low Cu response that is coincident with a lithology mapped as Mg-tholeiite. The Ni anomaly/response may be related to the chemistry of the original lithology and be independent of the gold style alteration/mineralization overprint of the property.

This unit may have potential for Pt, Pd, Ni mineralization particularly at 175N, 200N and 225-262N or along the strike. The Ce-Ni anomaly at 162N indicates this unit may be in contact with sediments that could initiate deposition of Ni-Sulphides precipitated due to thermo erosion and assimilation of sediments and contained sulphides.

The Cr anomaly at 200N could mark a Cr, Pt, Pd horizon. Eby Tp is known for having scattered Pt-Pd showings.

162N 312 ppb Ce (72$^{nd\ R}$ high possibly anomalous),
162N 364 ppb Nd (96$^{th\ R}$ high background),

175N 760 ppb Ni (98$^{th\ R}$ probably anomalous),

188N 328 ppb Ni (75$^{th\ O}$ background),

200N 486 ppb Ni (93$^{th\ O}$ very high background),
200N 1000 ppb Cr (100^{O} anomalous),

212N 350 ppb Ni (80$^{th\ O}$ background),

225N No sample,

238N 651 ppb Ni (93$^{rd\ R}$ possibly anomalous),

250N 512 ppb Ni (89$^{th\ R}$ possibly anomalous),

262N 504 ppb Ni (97$^{th\ R}$ possibly anomalous).

Mo Anomaly 2500E 238N

238N is a single station anomaly with three high background values directly to the north. This anomaly could be associated with a mineralized porphyry intrusive. It is unlikely to be associated with the lithology that hosts Ni anomaly at this location which is described above.

238N 60 ppb Mo (89$^{th\ R}$ anomalous),

2250N 27 ppb Mo (76$^{th\ R}$ anomalous),

2262N 29 ppb Mo (80$^{th\ R}$ anomalous),

287N 40 ppb Mo (85$^{th\ R}$ anomalous).

Mo Noise

Mo samples from oxidized environments at 012N, 075N, 350N (6 ppb Mo 91-96th percentile) and 287N (7 ppb Mo 98th percentile) are considered to be from the noise envelope, and are not treated as anomalous in this report. Samples from the transition from oxidizing to reducing environments are particularly vulnerable to erroneous interpretation because of the 16:1 normalization ratio.

If oxidized samples with high Mo values are associated with other anomalous metals, the Mo should be considered as potentially significant.

Mo anomalies from reduced environments are valid.

Ag Noise

The Ag results appear to be noisy and the real significance could not be established with certainty. The responses appear to be independent of the surficial oxidizing/reducing environments. There is a weak negative correlation with the expected responses indicating Ag could be a peripheral overprint extending beyond the core alteration and structures. To deal with silver, it would require a background control survey significantly outside the impact envelope of the mineralizing/alteration events. The calcite chlorite overprint appears to extend beyond the property.

9.9 Line 3800E

Line 3800E was selected to test over a strong conductor located along Line 3800E from 040N to 103N. This is a 200 meter cable, three-frequency (440, 880 and 3520 Hz) MaxMin conductor with an apparent 63m width. Two coincident Ce and Nd peaks indicate this is two conductors centered at 062N and 112N, with 50m (+/-15m) between conductors.

It is unknown if the presence of conductors in this profile could introduce natural electrical fields that could impact the metal distribution.

Consistently very low Ti analyses indicate all the soils collected are reduced C horizon clays.

Edge of Oxidation and Reduction Environments - Sample 3800E 062N

See "*Edge of Oxidation and Reduction Environments - Sample 465N 4375E*"

Apparent Cu and Mo responses at 062N are treated as edge effects between oxidized and reduced environments and are not considered significant in this report. The profiles for the other metals at 062N are considered reliable. These other metals have favorable normalization ratio between x3.00 and x0.30.

Similar edge effects between oxidized and reduced environments were observed on line 465N at 4275N. One of these two lines; **preferably line 465N**, should be re-sampled at 10-25cm, 50-65 cm, and 100-115 cm below the mineral soil interface to deal with a clearly defined reduced environment.

Ce-Nd Anomaly 3800E 062N-125N

High Ce and Nd responses at 062N to 125N appear to be associated with two conductors located at 040N and 103N. The apparent discrepancy of the EM and MMI anomaly locations may be a combination of imprecision introduced by the default 12.5m sample spacing and the impacts of dip offsets of both the EM and MMI processes. Neither EM nor MMI profiles need to represent the surface trace of the dipping source attribute.

Alternatively the Ce-Nd anomaly could be caused by a feldspar porphyry (+/- Au) or associated alteration. This alternative explanation would explain the apparent offset of the anomaly relative to the conductors.

050N 145 ppb Ce (46$^{th\ O}$ percentile, high background),
050N 87 ppb Nd (52$^{nd\ O}$ percentile, possibly anomalous),

062N 524 ppb Ce (96$^{th\ O}$ percentile, high background),
062N 252 ppb Nd (93$^{rd\ O}$ percentile, possibly anomalous),

075N 51 ppb Ce (27$^{th\ O}$ percentile, background),
075N 99 ppb Nd (80$^{th\ O}$ percentile, background),
075N Appears to be background value between conductors

087N 51 ppb Ce (84$^{th\ O}$ percentile, high background),
087N 99 ppb Nd (84$^{th\ O}$ percentile, possibly anomalous),

100N 369 ppb Ce (91$^{st\ O}$ percentile, high background),
100N 298 ppb Nd (94$^{th\ O}$ percentile, possibly anomalous),

112N Not sampled. Profile indicates this would probably be the peak value had this location been collected

125N 215 ppb Ce (84$^{th\ O}$ percentile, high background),
125N 221 ppb Nd (91$^{st\ O}$ percentile, possibly anomalous).

Very low Ce and Nd responses from 012S to 038N may indicate very deep overburden at this interval. The possibility of outcrop proximity impacting MMI results was not examined in this report.

Co Anomalies 3800E 038N & 062N

Two single samples at 038N & 062N are possibly anomalous for Ni. These may be fringe anomalies to alteration and/or mineralization (see the Co anomaly description on line 2500E-075N). If these are true fringe Co anomalies, the weak Rb response to the north indicates the mineralization/alteration feature is north of 062N.

The Co profile indicates a contact or other lithological change may occur near 075N, with the lithology to the north having a significantly lower Co content.

038N 280 ppb Co (96$^{th\ R}$ percentile, possibly anomalous),

062N 234 ppb Co (86$^{th\ R}$ percentile, possibly anomalous).

Rd Response 3800E 088N-100N

See "*Rd Response 2500E 038S-038N*" and "*Rb Alteration Anomaly 200S 4525-4575E*".

A Rb response ranging from 062N (80 ppb Rb) has a signature that appears to be associated with the inferred alteration-structural zone this line tested.

088N 148 ppb Rb (82$^{nd\ O}$ percentile, above apparent alteration threshold),

1008N 127 ppb Rb (76$^{th\ O}$ percentile, above apparent alteration threshold).

Nb Edge Effect Response 3800E 062N

A Nb response at 062N 4.7 ppb Nb (75$^{th\ O}$ percentile) appears to be an edge effect between oxidized and reduced environments and is not considered significant in this report.

9.10 Line 4000E

Sample Line 4000E was designed to test gold style alteration, the South Break and North Break (two parallel faults projecting to north of the base line) and two conductors.

MaxMin EM anomalies at Lines 2900E-093N, 3950E-085N and 4000E-088N appear to be a connected, short, single, isolated anomaly at or near the projection of the South Break and North Break that are believed to control the mineralization and alteration on the property (*the author considers this three line EM anomaly, the anomaly with the greatest economic potential on the property*). Line 4000E was arbitrarily selected to MMI test this conductor.

The locations of the MaxMin EM conductors (088N and 200N) are accurate to within several meters. The EM anomaly locations were confirmed by separate 100m and 50m coil separation MaxMin EM surveys. The conductor at 200N is coincident with a Ce-Nd anomaly. Coincident EM and MMI anomalies were expected, indicating but not proving the anomaly is the source of the Ce-Nd response.

The MaxMin EM anomaly at 088N lacks any coincident Ce-Nd response. The nearest Ce-Nd anomaly is offset at least 33m south of the MaxMin EM anomaly.

Samples sites 004N, 054N, 065N and 095N are at irregular intervals. The default 000N, 037N and 100m locations could not be sampled due to encountering boulders before mineral soil was encountered.

Au Anomaly 4000E 025N

See "*Ce-Nd Anomaly 4000E 025N-54N*" described below.

This is a single Au anomalous sample at 025N. No sample could be collected at 012N. Numerous holes were drilled at 037N. Boulders were encountered in all these holes and no sample was collected.
025N 0.7 ppb Au (96^{th} ^{O} percentile, anomalous).

This anomaly is spatially associated with an overlapping Ce-Nd anomaly described below.

Ce-Nd Anomaly 4000E 025N-54N

This is a three sample Ce-Nd anomaly. No sample could be collected at the apparent centre (38N) of this anomaly.

This anomaly is at least 33m south of the conductor at 088N. It is uncertain if this anomaly is independent of the conductor or is offset from the conductor due to an unknown aberration. The alternative is the anomaly is associated with a feldspar porphyry (+/-Au), or alteration/mineralization. The coincident Au anomaly described above enhances the economic potential of this anomaly.

In the event this anomaly is drill tested, the hole must be drilled to ensure both the MMI and MaxMin EM anomalies are tested.

025N 357 ppb Ce (89$^{th\ O}$ percentile, possibly anomalous),
025N 33 ppb Nd (28$^{th\ O}$ percentile, low background),

054N 1410 ppb Ce (100$^{th\ O}$ percentile, anomalous),
054N 525 ppb Nd (100$^{th\ O}$ percentile, anomalous),

065N 213 ppb Ce (58$^{th\ O}$ percentile, background, mixed population),
065N 150.ppb Nd (67$^{th\ O}$ percentile, low background).

Consecutive samples were collected at an irregular interval with samples at 25, 54, 65m. This normal 37m and 50m locations could not be sampled due to augering into boulders before mineral soil was encountered.

Ce-Nd Anomaly 4000E 150N

This is a valid anomaly that appears to be affected by edge effects of oxidizing and reducing environments, which is verified by the very low Ti analysis for this sample (the low Ti analysis could be associated with the clay host).

150N 409 ppb Ce (93$^{rd\ O}$ percentile, possibly anomalous [82$^{nd\ R}$ percentile]),
150N 346 ppb Nd (98$^{th\ O}$ percentile, probably anomalous [95$^{th\ R}$ percentile]).

The edge effect; if real, appears to alter the anomaly; however, the response is anomalous for both oxidized and reduced environments.

Special Edge effect treatment

150N 777 ppb Ce (82$^{nd\ R\ equivalent}$ percentile anomalous).
150N 727 ppb Nd (95$^{th\ R\ equivalent}$ percentile anomalous)

The anomaly is not explained by the conductor. The anomaly could be associated with a feldspar porphyry (+/-Au) or alteration.

Ce-Nd Anomaly 4000E 200-225N

200N-225 N is a strong Ce-Nd anomaly coincident with a 100m cable, three frequency (440, 1760, 7040Hz) MaxMin EM Conductor located at 200N. An equivalent, 50m survey locates this conductor at 190N. The samples were collected at 25m spacing at this location. Had the samples been collected at the default 12.5m spacing this may have been a three or four sample anomaly.

200N 2570 ppb Ce (100$^{th\ O}$ percentile, possibly anomalous),
200N 995 ppb Nd (100$^{th\ O}$ percentile, anomalous),

225N 556 ppb Ce (100$^{th\ R}$ percentile, anomalous),
225N 241 ppb Nd (100$^{th\ R}$ percentile, anomalous),

Co Anomaly 4000E 002-025N

See "*Co Anomaly 2500E 075N*"

This is a two sample anomaly with no sample taken at 012N. Numerous holes were augered at 37m. All these holes passed directly from deep humus into boulders without encountering mineral soil.

The rendering of the Co anomaly of line 2500E at 075N indicates Co may respond as anomalies at the edges of alteration/mineralization. This anomaly is south of the expected location of targeted alteration/mineralization.

004N 498 ppb Co (94$^{th\ O}$ percentile, probably anomalous),

025N 508 ppb Co (96$^{th\ O}$ percentile, probably anomalous),

Co Anomaly 4000E 175N

See "*Co Anomaly 2500E 075N*"

075N is a single sample, possibly anomalous Co response. This part of the survey was sampled at 25m intervals. Intermediate samples 12.5 meter on each side would give better resolution of this anomaly.

075N 209 ppb Co (84$^{th\ O}$ percentile, possibly anomalous).

Rd Response 3800E 125N-175N

See "*Rd Response 2500E 038S-038N*", "*Rd Response 3800E 088N-100N*".

A Rb response located at 125N to 175N has a signature that appears to be associated with an alteration-structural zone inferred to cross this line.

137N 115 ppb Rb (76$^{th\ O}$ percentile, above apparent alteration threshold).

150N 115 ppb Rb (66$^{th\ O}$ percentile, at apparent alteration threshold).

175N 176 ppb Rb (91$^{st\ O}$ percentile, above apparent alteration threshold).

A Ni anomaly at 175N could be an edge anomaly to this alteration.

This part of the survey was sampled at 25m intervals. Intermediate samples 12.5 meter on each side would give better resolution of this anomaly.

9.11 Line 200S

Line 200S was designed to test for an inferred 160/340° structure coincident with numerous auriferous float (**1337 ppb Au**) along Line 4550E from 250S-320S. This inferred Au zone projects to 200S-4535E. No anomalous gold values were encountered. The highest Au value is 0.4 ppb Au at 200S-4600E which is coincident with the projection of a conductor at 200S-4615E. No sample was collected at 200S-4612E because this site was expected to be within the background area.

A Rb response from 4550E to 4575E appears to be the limits of an alteration zone, that could have been the source of the auriferous float to the south. A Ce-Nd anomaly at 4562E could make the focus of the inferred alteration and possibly mineralization.

The samples at both ends of Line 200S were below the 0.2 ppb detection limit for gold.

Line 200S and follow-up (parallel) lines are ideal to continue the study of profiles over and responses to oxidizing and reducing environments, and the significance of symmetrical anomalies, and anomaly zoning. This could also establish the significance/relationship of Rb anomalies to certain gold environment alteration.

Follow-up lines are recommended at 000N (4300E-4700E) and 250S (4350E-4750E) 380S (4300E-4700E). These lines should be sampled at the default 12.5m spacing.

The proposed line, 380E is located in a recent clear cut. It is best to extend line 4450E south across the clear cut and use 380S-4450E for the reference point to initiate line 380S. Line 380S is intended to test a target at 380S 4438E.

Au Response Possibly Truncated 200S 4525 – 4588E

See "*Au (Ce, Nd) Anomaly Line XL 027-087E'*

The gold values were expected to peak at the projection of auriferous float projected to 4535E. The Au profile of the oxidized samples increases towards the expected target and the profile is truncated in the reduced samples collected from a clay bottom swamp. Superficially the profile gives the appearance of a gold depleted zone under the swamp. Alternatively; the swamp chemistry or the depth to bedrock may have attenuated the profile values.

Ce-Nd Response 200S 4512E

A single possibly anomalous Ce-Nd response at 4512E could be an auriferous porphyry intrusive or gold style alteration zone.
4512E 253 ppb Ce (87$^{th\ O}$ percentile, high background),

4562E 153 ppb Nd (86$^{th\ O}$ percentile, possibly anomalous).

Ce-Nd Anomaly 200S 4562E

A single sample, possibly anomalous Ce-Nd response at 4562E appears to be unrelated to the conductor projected to 4615E. This anomaly could be associated with an auriferous porphyry intrusive or a gold style alteration zone. Moderately high background values on the west and east shoulders add credibility to the anomaly.

This Ce-Nd anomaly correlates with the Rb response at 4525E-4575E, which is described below. This Rb response appears to be typical of responses to gold style alteration on the property.
4550E 246 ppb Ce (65$^{th\ R}$ percentile, not anomalous),
4550E 179 ppb Nd (72$^{nd\ R}$ percentile, not anomalous),

4562E 717 ppb Ce (96$^{th\ R}$ percentile, possibly anomalous),
4562E 403 ppb Nd (98$^{th\ R}$ percentile, anomalous),

4575E 327 ppb Ce (74$^{th\ R}$ percentile, not anomalous),
4575E 205 ppb Nd (80$^{th\ R}$ percentile, not anomalous).

It is reasonable to consider the Ce-Nd 200S-4562E response location as a more precise location of peak mineralization than the projection of the float to 200S-4535E.

Ce-Nd Response 200S 4600E

A single sample, very high background Ce-Nd response at 4600E correlates with the projection of a MaxMin EM anomaly that projects to 200S-4615E. No sample was collected at 4612E. The profile slopes indicates if a sample had been collected at 4612E, the sample would have been much higher and anomalous.
4600E 248 ppb Ce (85$^{th\ O}$ percentile, not anomalous)
4600E 200 ppb Nd (89$^{th\ O}$ percentile, possibly anomalous).

Rb Alteration Anomaly 200S 4525-4575E

See "*Rd Response 2500E 038S-038N*".

The grouping of five samples; at the location of the expected mineralized zone, are all above the reduced alteration threshold of 50 ppb Rb. See the alteration

associated with the main (sub-vertical) east west breaks at Line 2500E (2500E-043N north break) and (2500E-052S South Break).

This anomaly is also coincident with a Ce-Nd anomaly centered at 4562E.

The anomaly is also flanked by apparent fringe Co anomalies to the west and the east of the Rb anomaly. Fringe Co anomalies are typical of other anomalies on the property.

4525E 137 ppb Rb (100$^{th\ R}$ percentile, above alteration threshold),

4537E 63 ppb Rb (83$^{rd\ R}$ percentile, above alteration threshold,

4550E 75 ppb Rb (91$^{st\ R}$ percentile above alteration threshold,

4562E 98 ppb Rb (98$^{th\ R}$ percentile, above alteration threshold),

4575E 90 ppb Rb (96$^{th\ R}$ percentile, above alteration threshold).

This Rb anomaly is the strongest Rb response from a reducing environment and has an apparent match with targeted alteration/mineralization. The presence of mineralized auriferous float to the south overrides the lack of an apparent Au response.

Co Response 200S 4500E

A single sample, high background Co response at 4500E has the appearance of a fringe anomaly caused by Co mineralization at the edge of alteration. The presence of an alteration zone to the east is indicated by the Rb response and the (200S-4535E) projection of auriferous float.

4550E 342 ppb Co (91$^{st\ O}$ percentile, high background).

Co-Ni Anomaly 200S 4625-4650E

See "*Co Anomaly 2500E 075N*" and "*Ni Co Anomaly Line XL 000E (West Anomaly)*"

This two-sample high anomalous Co response is the strongest Co anomaly encountered in this survey. It is associated with high background Ni values of unknown significance.

This anomaly was sampled at 25m intervals because these sample sites were intended to represent background values peripheral to the expected anomaly. A 12.5m sample interval would have been beneficial to the understanding of Co responses in relation to lithological source rocks and the alteration zoning in those rocks.

It appears this target on line 200S is a simple system that lacks the overprinting of multiple structures encountered on lines 2500E, 3800E and 4000E.

4625E 931 ppb Co (100th ^{O} percentile, anomalous),
4625E 473 ppb Ni (91st ^{O} percentile, high background),

4650E 374 ppb Co (93rd ^{O} percentile, possibly anomalous),
4650E 443 ppb Ni (87th ^{O} percentile, high background).

The projected MaxMin EM conductor at 4615E is possibly associated with this Co response.

Ni Response 200S 4525-4562E

A four sample high background Ni response is of uncertain origin.

4550E 496 ppb Ni (85th ^{R} percentile, very high background),

4567E 416 ppb Ni (67th ^{R} percentile, high background),

4575E 395 ppb Ni (65th ^{R} percentile, high background),

4588E 466 ppb Ni (83rd ^{R} percentile, high background).

Cu Peak 200S 4550E

The Cu peak (4800 ppb Cu 76th percentile) at 4500E is only significant because it may mark minor Cu mineralization at this point in the Rb response.

9.12 Line 465N & Diagonal Line XL

Line 465N and Line XL were designed to test for an inferred east southeast trending structure coincident with a major clay bottom swamp of similar trend. The inferred structure is parallel to Riedel alteration zones of the same trend. South of the base line, these Riedel structures are altered zones coincident with linear depressions and swamps that also trend east southeast from the main breaks identified near the base line.

Line XL was designed to cross the inferred structure at the location of two auriferous bedrock samples collected by the author in 1994. These samples assayed 19,749 ppb Au and 237 ppb Au. The outcrop from which these samples were collected is on the southwest edge of the swamp that is believed to be coincident with the edge of the inferred altered/mineralized Riedel structure mentioned above.

Line 465N was selected to also test a positive magnetic anomaly that had a signature similar to a kimberlite pipe or a porphyritic intrusive. This anomaly is coincident with the edge of the swamp mentioned above. The kimberlite pipes northeast of Kirkland Lake (including A4, C14) are in similar swamps with similar magnetic anomalies. This magnetic anomaly is also on strike with the inferred auriferous structures tested by Line XL.

The MMI anomalies identified on Line 465N and Line XL have similar signatures on both lines. These anomalies appear to be independent of oxidizing and reducing environments after dealing with separate populations. The anomalies appear to trend 135/315° sub parallel to the clay bottom swamp.

Caution: The presence of only one sample to the east of the Co at 465E-4300E anomaly leaves the east end of the line 465N anomalies ambiguous; however, the conclusions drawn below appear compatible with the signature of the anomalies observed on the other lines, particularly line XL.

9.13 Line 465N

The source of the targeted MMI response has not been determined. The signature of the MMI is consistent with an intrusive source; however, evidence of a kimberlite source could not be verified. The magnetic signature could represent a mafic/ultramafic source or a magnetic feldspar porphyry source.

The anomalous and high background MMI responses described below appear to be symmetrical about the west part of the magnetic anomaly. Except for Au and Rb; the soils over the west part of the magnetic anomaly have low metal contents. The Au associated elements Mo, W, Ce, Nd, Co, Mo are anomalous and high background values peripheral to the low metal values described above.

The anomalies appear to be valid responses to bedrock sources. The source of this bedrock effect was not determined with certainty. It is recommended that the entire anomaly (4175E-4325E) be drill tested. Dips are unknown; therefore it is recommended that scissor holes be drilled towards each other. One hole should be drilled eastward from 4150E and one hole drilled westward from 4350E. The holes should be designed to overlap by at least 25 meters.

Bedrock may be deep over the target. It is possible the hole at 4150E could drill out of bedrock into overburden. A backup/alternate site west of this location should be identified and considered. The soil is shallow over eastward sloping bedrock with ledges. Some field logistics may be involved in identifying a suitable drill pad for this western hole.

Au High Background 465N 4175-4262E

See "*Au (Ce, Nd) Anomaly Line XL 027-087E*"

High background Au values closely correspond with the targeted magnetic anomaly located at 4175E-4275E. The consistency of the Au values indicates the potential of a wide, low-grade mineralized zone. Seven of nine samples over the magnetic anomaly are high background values above the 62nd percentile with three above the 84th percentile. The low value at 4275E may be east (outside of) the bedrock source of the anomaly.

Deep clay overburden may have attenuated the gold response. MMI responses of some metals have a tendency to have elevated responses in shallow overburden. It is uncertain how Au responds to deep overburden, especially clay in both oxidized and reduced environments

The high Au response has peripheral Ag, Ce, Nd, Co, Ni, W and Cu responses described separately below. The bedrock may be a zoned source with the metal MMI signature reflecting the bedrock zoning. The chemistry of the surficial environment may have affected the strength and location of the measured MMI signature.

Metal zoning (segregation) is common in many mineral deposits. Also, complexities in the soil environment could possibly cause MMI results to mimic metal zoning from a bedrock source causing a complex anomaly.

4175E 0.5 ppb Au (85-94$^{th\ R}$ percentile, high background),

4188E 0.4 ppb Au (63-83$^{rd\ R}$ percentile, high background),

4200E 0.5 ppb Au (85-94$^{th\ R}$ percentile, high background),

4213E 0.5 ppb Au (85-94$^{th\ R}$ percentile, high background),

4225E 0.4 ppb Au (63-83$^{rd\ R}$ percentile, high background),

4238E 0.4 ppb Au (63-83$^{rd\ R}$ percentile, high background),

4250E 0.3 ppb Au (37-61$^{st\ R}$ percentile, background),

4263E 0.4 ppb Au (63-83$^{rd\ R}$ percentile, high background).

Ni Co Ce-Nd Anomaly 465N 4175E *(West Anomaly)*

See (*Ni Co Anomaly Line XL 075E (East Anomaly)*".

4150E has a highly anomalous Ni response at the apparent west contact of the lithology that caused the magnetic anomaly. Classical Ni deposits are expected at the bottom contact of the host lithology. Elevated Ce and Nd values caused by natural Ce-Nd contamination by thermo erosion (assimilation) of more felsic rocks are also characteristic of these deposits.

Alternatively the Ni response could be caused by contact metamorphic sulphidization of nickeliferous silicates. This contact metamorphic process can form Ni Ore deposits with a low sulphur content caused by Ni sulphides with low Fe content. The anomalous Co appears to validate this Ni anomaly.

4175E 2140 ppb Ni (100$^{th\ R}$ percentile, anomalous),
4175E 383 ppb Co (100$^{h\ R}$ percentile, anomalous),
4175E 347 ppb Ce (76$^{th\ R}$ percentile, moderately high background),
4175E 152 ppb Nd (70$^{th\ R}$ percentile, moderately high background).

The anomalous Co value could be a fringe anomaly to gold-style alteration.

The Ce-Nd response is considered significant because of the anomalous Ni and Co analyses.

Mo, W (Cu, Ce-Nd) Anomaly 465N 4238-4262E

See "*Mo, W (Ce-Nd) Anomaly Line XL 087-125E*".

4138E is the highest anomalous Mo value (100 ppb Mo). This response is supported by three elevated Mo responses at the 17 ppb Mo (63rd), 48 ppb Mo (87th) and 25 ppb Mo (74th percentiles) and two W responses above the 91st percentile. This anomaly is associated with three possibly anomalous to anomalous Cu values and three additional Cu values between the 54th and 85th percentiles.

The Ce-Nd suite is consistent with porphyry gold and IOCG deposits. The Ce-Nd component of this anomaly is also consistent with nickel deposits and kimberlites.

4225E 17 ppb Mo (63rd R percentile, high background),
4225E 5080 ppb Cu (85th R percentile, high background),

4238E 100 ppb Mo (100h R percentile, anomalous),
4238E 2 ppb W (91-100th R percentile, anomalous),
4238E 6330 ppb W (98th R percentile, anomalous),

4250E 48 ppb Mo (87thR percentile, possibly anomalous),
4250E 1 ppb W (74-89th R percentile, high background),
4250E 3380 ppb Cu(54th R percentile, high background),

4262E 25 ppb Mo (74h R percentile, high background),
4262E 2 ppb W (91-100th R percentile, anomalous),
4262E 6300 ppb Cu (96th R percentile, anomalous),

4275E 4870 ppb Cu (74th R percentile, background),

4288E 6180 ppb Cu (92nd R percentile, possibly anomalous),

***Ni Co (Ce-Nd) Anomaly 465N 4275-4300E** (East Anomaly)*

See "*Ni Co Anomaly Line XL 075E (East Anomaly)*"

Location 4275E is an anomalous Ni response at the apparent east contact of the lithology that caused the magnetic anomaly. Typical Ni deposits are expected at the bottom contact of their host lithology. Elevated Ce and Nd are favorable indicators of Ce-Nd contamination by thermo erosion (assimilation) of more felsic rocks. Ce-Nd contamination is characteristic of Ni deposits. This is a weaker Ni anomaly than the Ni anomaly at 4175E.

The Co anomaly appears to be a fringe anomaly at the east edge of an altered/mineralized host rock. A 36 ppb (83rd percentile) Mo response (the only sample to the east) indicates the anomaly may be more complex than indicated in the above description.

4275E 777 ppb Ni (100th O percentile, anomalous, if normalized to reduced 98th R percentile, anomalous [due to edge effect]),

4288E 444 ppb Ni (76th R percentile, background),

4300E 507 ppb Co (100th R percentile, anomalous),
4300E 570 ppb Ni (76th R percentile, moderate background).

Edge of Oxidation and Reduction Environments - Sample 465N 4275N

Also see "*Edge of Oxidation and Reduction Environments - Sample 3800E 062N*"

Apparent Cu and Mo responses at 4275E are treated as edge effects between oxidized and reduced environments and are not considered significant in this report. The profiles for the other metals at 062N are considered somewhat reliable; however, Au, Ce, Nd, Rb may have been impacted as well.

Similar edge effects between oxidized and reduced environments were observed on line 3800E. One of these two lines should be re-sampled at **10-25cm**, **50-65cm**, and **100-115cm** below the mineral soil interface to deal the apparent edge effect. It is anticipated the deeper levels will test a clearly defined reduced environment. The omitted locations at 4162E, 4312E should be included in this orientation test. Shallow soils west of 4150E will prohibit deep soil testing west of this point.

Line 465N is the preferable location to perform this orientation test.

9.14 Diagonal Line XL

Line XL was designed to test for an inferred west northwest mineralized structure. In the summer of 1994 this author collected auriferous bedrock samples grading 19,749 ppb Au and 237 ppb Au. These samples were collected at Line XL 025E. A broad Au response and two narrow Co-Ni responses appear to trend 135/315°, cross cutting the 110/290° trend of the clay bottom swamp. The southwest portion of the west Ni-Co response and the southwest part of the gold response are located in well drained oxidized soil.

A Mo, W, (Ce-Nd) response appears to trend 110/290° parallel to the swamps which has the same trend. The entire response is from clay bottom swamp.

Au (Ce-Nd) Anomaly Line XL 027-087E

See "*Au High Background 465N 4175-4262E*"

Five anomalous and high background Au values extend east of the bedrock gold values sampled by the author. The anomaly extends from oxidizing mineral soils at 27E to reducing mineral soils (C horizon) from 062E to 087E. The samples analysis include

027E 1.0 ppb Au (98$^{th\ O}$ percentile, anomalous),
027E 590 ppb Ce (98$^{th\ O}$ percentile, anomalous),
027E 173 ppb Nd (69$^{th\ O}$ percentile, anomalously low relative to Ce),
027E 400 ppb Cr (96-98$^{th\ O}$ percentile, anomalous)

037E 0.4 ppb Au (80-90$^{th\ O}$ percentile, high background),

050E 0.5 ppb Au (91-95$^{th\ O}$ percentile, anomalous)

062E 0.6 ppb Au (96-100$^{th\ R}$ percentile, anomalous).
062E 495 ppb Ce (85$^{th\ R}$ percentile, anomalous).
062E 243 ppb Nd (91$^{st\ R}$ percentile, anomalous).

087E 0.5 ppb Au (85-95$^{th\ R}$ percentile, high background)

The Au anomaly is asociated with the peripheral Ce-Nd, Co, Ni, W and Cu responses described below. Au values in oxidized mineral soils to the west of the anomaly are below detection limits. In reduced mineral soils to the east of the anomaly the Au values are at the detection limits.

The coincident Au Ce and Nd peaks at 027E are several meters east of the Au showing at 025E.

The Au showing is the outcrop closest to the swamp and inferred mineralized/altered Riedel structure to the northeast. The showing is a distinctive

stockwork bleaching with fine disseminated pyrite. The Au was in a small quartz stringer. This alteration differs from the more massive and pervasive Fe-carbonate alteration observed elsewhere on the property. Coincident Au Ce and Nd peaks at 062E appear to have the same signature as 027E indicating both sets of Au Ce and Nd peaks are associated with similar gold mineralization.

The anomalous Cr response was not dealt with in this report. Many Cr analyses were below the detection limit. It is recommended Cr be included in future analytical programs to flag Cr responses as significant, even though the analytical treatment of the population may not be statistically valid.

Ni Co Anomaly Line XL 000E *(West Anomaly)*

See "*Ni Co Ce-Nd Anomaly 465N 4175E (West Anomaly)*"

4150E is a coincident, possibly anomalous Ni-Co response. This is a single sample anomaly at the extreme west end of Line XL. The anomaly is open to the west. The build up of high background Ni-Co values increasing towards the anomaly is consistent with the measured values being on the shoulder of a wider anomaly centered to the west. Alternatively, the measured response may be the peak of a single sample anomaly with high background shoulder responses.

This anomaly appears to be the southeast extension of the Ni Co (Ce, Nd) anomaly at 465N-4175E (West Anomaly)

000E 287 ppb Co (89$^{th\ O}$ percentile, possibly anomalous),
000E 527 ppb Ni (95$^{th\ O}$ percentile, possibly anomalous),

Ni Co Anomaly Line XL 075E *(East Anomaly)*

See "*Ni Co (Ce-Nd) Anomaly 465N 4275-4300E (East Anomaly)*"

4150E is a single sample, possibly anomalous Ni-Co response located at 075E.

This anomaly may be the southeast extension of the Ni Co (Ce-Nd) anomaly of line 465N at 4275E-4300E (East Anomaly)

075E 257ppb Co (93$^{rd\ R}$ percentile, possibly anomalous),
075E 735 ppb Ni (96$^{th\ R}$ percentile, possibly anomalous),

Mo, W (Ce-Nd) Anomaly Line XL 087-125E

See "*Mo, W (Cu, Ce-Nd) Anomaly 465N 4238-4262E*".

4138E is an anomalous four sample Mo response as described below:

088E 88 ppb Mo (98$^{th\ R}$ percentile, anomalous),
100E 70 ppb Mo (94$^{th\ O}$ percentile, anomalous),
100E 2 ppb W (91-100$^{th\ R}$ percentile, possibly anomalous),

112E 72 ppb Mo (96$^{th\ O}$ percentile, anomalous),
112E 2 ppb W (91-100$^{th\ R}$ percentile, possibly anomalous),

125E 66 ppb Mo (91$^{st\ O}$ percentile, possibly anomalous).
125E 2 ppb W (91-100$^{th\ R}$ percentile, possibly anomalous),

Stations 100E, 112E and 125E each have a 2ppb W response (91-100th percentile). The copper values at and near this response are not considered significant.

The Ce and Nd responses described below respond sympathetically with the Mo and W anomaly described above.

100E 511 ppb Ce (87$^{th\ O}$ percentile, high background),

112E 528 ppb Ce (93$^{rd\ O}$ percentile, high background),
125E 373 ppb Ce (80$^{th\ O}$ percentile, high background),

These Ce-Nd responses may indicate syenite intrusives associated with mineralized porphyry. Alternatively, Ce-Nd could mark mafic/ultramafic rocks that have assimilated felsic or sedimentary rocks by thermo erosion. The assimilation process would liberate any Cu, Ni, Co, Pt, Pd, Au Cu (as sulphides) from the volcanic/intrusive rock.

This anomaly may be the southeast extension of the Ni Co (Ce, Nd) Anomaly 465N at 4275E-4300E (East Anomaly)

9.15 Normalization Ratios, Thresholds & Edge Affect Between Oxidation and Reduction Environments

Chart: Thresholds for Reduced & Normalized to Reduced Soil Environments

Chart: Normalization Ratios (Oxidizing to Reducing Soil Equivalents)

Element	Detection Limit	Normalization ratios (Factors)	Thresholds	Comments - Threshold Description **Sensitivity to Oxidizing and Reducing Environments**
W	1.0	*b	1.0	Five 2 ppb W (**Reduced** Samples) are the 91-100th percentile. One oxidized sample above is above the detection limit
Mo	6.0	16.00	30.0	*d. Threshold for **reduced** samples. Six oxidized samples above detection limit.
Cu	*a	4.30	6000.0	*d. Threshold for **reduced** samples
Nd	0.5	2.10	250.0	Threshold for **reduced** samples
Ce	*a	1.90	500.0	Threshold for **reduced** samples
Ag	1.0	1.44	16.0	Threshold for **reduced** samples
Ni	*a	1.30	500.0	Threshold for **reduced** samples
Au	0.1	1.30	0.6	Threshold for **reduced** samples
Co	*a	1.00	200.0	Threshold for **reduced** samples
Nb	0.5	0.50	4.0	Threshold for **reduced** samples
Rb	*a	0.41	50.0	**Alteration** Threshold
Cr	100.0	*c	333.0	Threshold for **Oxidized** samples (only one reduced sample above the detection limit.
Ti	0.05	*c	200.0	Samples **<200 ppb** Ti tend to be from reduced environments.

*a. All samples above detection limit.

*b. Very large undetermined normalization ratio (reduction factor).

*c. Very small undetermined normalization ratio (reduction factor).

*d. Oxidized environments appear to be strongly depleted.

*e Samples from marginal oxidized/reducing soil environment have low Ti values (generally <200 ppb) and may have diminished reliability. Some may be from alternating reduced and oxidizing environments.

*f. The above tabulated ordering of metals may be an approximation of a natural order in the oxidation/reduction reactions. Various metals may respond to different oxidation/reduction thresholds. This potential order appears to be independent of the compatible and incompatible mineral distinction.

The above chart is ordered by oxidation to normalization ratio (multiplication factor) that render oxidized soil analysis to equivalent analysis of reduced soils. Metals with normalization ratios between x3.00 and x0.30 are treated as reliable. Cu with a 4.3:1.0 normalization ratio (oxidized:reduced) is considered reasonably reliable. The metals W, Mo, Cr and Ti have extreme or undeterminable normalization ratios and the oxidized and reduced populations must be treated independently without consideration of normalization ratios.

In this report, all oxidized and reduced samples have been treated as two independent populations with an emphasis on the percentile within the applicable populations. The profiles presented in this report plot both raw data and data normalized to equivalent reduced filtered values. The author considers the normalization process a mathematical filter. The author does not consider the reporting of percentile position in an oxidized or reduced population a filter.

The author also considers unfiltered data more reliable than filtered data if it is practical. The fact that raw data can be verified directly from analytical certificates was also key in the author's decision to give preference to raw data over filtered (normalized) data.

The decision to normalize oxidized to reduced populations was somewhat arbitrary, but was based on the apparent smoother data of reduced populations. Future surveys can be normalized to either the oxidized or reduced equivalent.

The metals W, Mo, Cu and Cr, Ti have extreme normalization ratios used to normalize analysis of oxidized samples to the equivalent value of reduced environments. These extreme ratios make identification of environment critical to statistical rendering.

The edge between oxidizing and reducing environments was frequently difficult to determine because the soils did not have the distinctive colors used for this differentiation. Oxidized soils tended to have a distinctive brown to red color in contrast with gray to greenish gray of reduced soils. These difficult to classify soils tended to be yellowish to yellowish gray.

Many of samples from the edge between oxidizing and reducing environments may have been subjected to varying degrees of oxidation and reduction. It is difficult to know how the samples will respond to statistical normalization.

The various metals may also respond to different threshold values near this interface. For this reason a sample may respond as oxidized for some metals and reduced for others due to different thresholds.

Monitoring Ti, Cr and Mo are an excellent first approximation of the validity of sample differentiation of reduced soils and oxidized soils. Ti and Cr are very low in reduced soils (<200 ppb Ti, zero ppb Cr) and Mo is very low in oxidized soils (<10 ppb Mo). Of these three metals, the Ti appears to be the most reliable indicator of the environment. Future work should deal with the possibility that a significant portion of the Ti response may be to the dominance of clay in the reduced soil samples (see Line 3800E all clay).

Monitoring Ti, Mo and Cr in relation to field notes is a good quality assurance process to verify the location of sample sites. See samples at Line 3800E-62N.

The samples were statistically processed as oxidized or reduced samples according to the sample log. Several samples were reclassified with annotations added to the sample log.

Mixed soil samples crossing the oxidized-reduced interface did not appear to have been a problem. If they are encountered in the future: metals with a 3.0 to 0.3 normalization ratio are unlikely to be a problem if assigned to the largest fraction. Samples with a more extreme normalization ratio should be flagged and dealt with individually. If this flagging is done; the evaluation of the profile is likely to determine the best process to deal with the ambiguity of the sample.

Unexplained oxidized appearing soils within a swamp having reduced soils on ether side: may be slightly elevated and drained soil or could be soils over bedrock highs where water is recharging a groundwater aquifer. The later explanation is an extremely tentative explanation that could be monitored for its validity.

9.16 New trails by Reed & Robinson

A trail near the Eby-Otto Township line was brushed out from Highway 11 to UTM Nad 83 coordinates 0563755mE, 5327299mN at grid coordinates 4200E-465N (the north claim line).

A second trail was brushed out from highway 11 to the grid coordinates 2500E-400N along the north claim line at approximately 0562,060mE, 5,328,000mN.

The 1994 cut lines: 4000E, base line 000N, 4450E were brushed out for access the property. The sampled 1994 cut lines and the sampled 2012 lines were also brushed out and picketed as described in the sampling descriptions in this report.

9.17 New Trails by Others

Trail 2500E-175N

A skidder or bulldozer trail was found at 2500E-175N. The trail is from the east and ends abruptly at this location. This trail appears to be one to four years old and it is of unknown origin.

Trail 000N 2500E

A well cut and well maintained all terrain vehicle trail was discovered at 000N-2500E. It is unknown who has cut and maintains this trail. The trail cutting avoided all significant trees. The underbrush had been removed from the trail. The trail it is easy to follow. It appears to have been cut east from the Highway 11 area.

The trail occupies base line 000N base line. The author walked the trail to the west and no pickets were identified. At 2500E the trail turned to the south along line 2500E to near 050S. At this location, the trail deviated to the southeast. At 50S the underbrush was stacked as a deep pile on the grid line. Douglas Robinson and Betty Robinson removed much of the underbrush from the pile to render passage possible. The bush is very dense balsam in this area. The underbrush still had brown needles indicating the trail was cut recently, possibly in 2012.

Drill Trail Claim 1242292

An approximately two to four-year-old drill trail crosses claim 1242292. This trail was driven by the mining property holder to the north to access water from the large beaver pond at the south edge of claim 1242292.

9.18 UTM Measurements

In 1994 the Reed Robinson Grid was initiated from an arbitrary origin along the surveyed Eby - Otto Township line a few meters north of a high voltage hydro electric power line right of way cut out. The power line crosses the property in an ENE direction. The origin was assigned an arbitrary coordinate of 000N-40000E. The baseline was cut in an astronomic east west direction. The township line was established as grid line 4000E.

All UTM locations measured to date on the property were measured as Nad 83 Zone 17 measurements. All grid coordinates greater than 4000E are in Otto Tp and all grids coordinates less than 4000E are in Eby Tp. Douglas Robinson and his associates have cut a number of grids in Eby and Otto townships using the Eby Otto Township line as a 4000E reference. These grids includes a large (non contiguous) grid cut in the west part of Eby Township circa 1995-1997.

The Grid location 4000E-000N; was located and measured in 2008 as Nad 83 zone 17, UTM coordinates 0563565mE, 5326834mN.

The grid locations measured in 2012 include:

2500E-300N	0562063mE	5327096mN	Elevation 342m
3800E-000N	0563364mE	5326830mN	Elevation 322m
4000E-000N	0563565mE	5326832mN	Elevation 321m
4200E-465N	0563755mE	5327299mN	Elevation 316m
4350E-425N	0563907mE	5327266mN	(at Line XL 088E)
XL-148E	0563952mE	5327304mN	(Line XL at 148E)
4450E-000S	0564004mE	5326641mN	Elevation 326m
4650E-200S	0564206mE	5326646mN	Elevation 320m

The UTM measurements were performed with a Garmin Rino 530HCx. The WAAS was enabled and the measurements were averaged over a minimum of 200 seconds, but generally a much longer time interval. The measured coordinates (Eastings and Northings) are considered accurate within 5 m; however, the elevations are considered less accurate. Two of the above readings reported illogical elevations. These elevations were omitted from the above chart.

10.0 RECOMMENDATIONS

It is recommended the grid be re-cut and a property wide MMI sample program be performed. This should include a few atypical lines cut to test apparent diagonal structures that would not be effectively tested by the north-south grid.

An alternative is to sampling the entire property is to prioritize approximately half of the property for re-cutting lines and MMI sampling. The following chart is recommended as a half property sampling program. The entire property was examined in light of all data collected during the 1994-1995 period. Particular emphasis was placed on sampling those lines that have the best economic potential and the best soil environment for reliable samples.

Chart: Recommended Half Property Sampling Program

Recommendation justified to historic 1994-1995 data.

All NS lines to test the 2 main EW shear zones

Line	From	To	Meters	Samples	
1900E	-25	425	450	37	Transect of property and to test chlorite alteration and EM conductor.
2450E	**-400**	**400**	**800**	**65**	Augment line 2500E anomalies, test projected intersection of South Break & Riedel Zone
2550E	**-325**	**400**	**725**	**59**	Augment Line 2500E anomalies & test Riedel Zone S of base line
2650E	**-200**	**150**	**350**	**29**	Test South Break and Riedel Zone. Complete line if financing available.
2700E	-425	400	825	67	Property transect and to test deep EM anomaly and Riedel structure south of base line.
2800E	-425	400	825	67	Property transect and to test shallow EM anomaly in oxidized environment and test Riedel structure south of base line.
3000E	-450	25	475	39	Transect of property selected for dominance of favorable oxidized soil environment. Also to test Riedel structure south of base line.

3525E					Natural transect location. Much swamp reduces the viability of this line S of the base line. Note at 300S is the convergence of a major EW trending swamp and a major NW-SE trending swamps. Survey if fining available. See line 4500E below.
3650E					10S-138N is favorable oxidized soil environment over the prime target area. Test if financing available
3700E	-862	400	1262	102	Transect of property and to test at or near the projected intersection of Riedel structure and main EW structures
3750E	-275	400	675	55	Augment line 3800E anomalies and test at or near the projected intersection of Riedel structure and main EW structures
3800E	-862	400	1262	102	Transect of property, line 3800E verification test Riedel structure S of base line.
3850E	-450	400	850	69	Transect of property and augment line 3800E anomalies and test Riedel structure S of base line
3900E	-862	400	1262	102	Augment of lines 3800E and 4000E anomalies and test Riedel structure S of base line
3950E	**-250**	**400**	**650**	**53**	Augment line 4000E anomalies and test Riedel structure S of base line
4000E	-450	400	850	69	Transect of property. Verify Line 4000E anomalies and test Riedel structure S of Base Line
4050E					If finances permit, test 4050E to augment line 4000E anomalies and Test Riedel structures N and S of base line
4100E	-450	465	915	74	Transect of property and test Riedel structures (N & S of base line)
4200E	-450	465	915	74	Transect of property. Test Riedel structures N & S of base line. Tests a large oxidizing soil environment with two minor swamps.
4300E	**-438**	**465**	**903**	**73**	Transect of property west of gold showing and test favorable (flat) magnetic anomaly, the projected intersection of the main EW trending North Break and South Break and Riedel structure (trend NW). Much of the proposed transect is an oxidized soil

					environment.
4350E	**-438**	**465**	**903**	**73**	Transect of property and test Riedel structure E of Au showing, a favorable (flat) magnetic anomaly N of base line and a large oxidized soil environment with little outcrop
4400E	**-75**	**465**	**540**	**44**	Transect of priority area and test a Riedel structure SE of Au showing
4450E	-438	465	903	73	Transect of property and test the Riedel structure SE of Au showing.
4500E	-425	465	890	72	Transect of priority area and test the Riedel structure SE of Au showing. **This is an important Orientation Test of 600m+ reducing environment** to better determine MMI statistical processes on the property
4550E	-425	465	890	72	Transect of property and test the Riedel structure SE of Au showing.
000S	**4300**	**4700**	**400**	**33**	Augment target from line 200S (NS Zone).
250S	**4350**	**4750**	**400**	**33**	Augment target from line 200S (NS Zone).
380S	**4300**	**4700**	**400**	**33**	Augment N-S target from line 200S and test potential source of Au float found at 4446E-421S .

Cost Estimate

The estimated cost of the above program is

$60,000 Analytical cost by SGS

$15,000 Contract line cutting

$12,000 Contract sampling

$87,000 Total

These costs exclude technical support, supervision and report writing

11.0 REFERENCES

MERQ-OGS

1983: Lithostratigraphic map of the Abitibi Subprovince; Ontario Geological Survey/Ministry de l'Energie et des Ressources, Quebec; 1:5000 000; catalogued as "Map 2484" in Ontario and "DV 83-16" in Quebec.

Lovell H.L.

1972: Geology of the Eby and Otto Area District of Timiskaming; Ontario Department of Mines and Northern Affairs Geological Report 99. Accompanied by Map 2239 scale 1 inch to ½ mile (1:31,680) NTS reference 41P/16 42A/1.

2000: Ontario Geological Survey 2000. Airborne magnetic and electromagnetic surveys, Kirkland Lake area; Ontario Geological Survey, Map 82039, scale 1:20,000.

Ayer, J.A. and Trowell, N.F. 2000.

2000 Ontario Geological Survey 2000. Geological compilation of the Kirkland Lake area, Abitibi greenstone belt; Ontario Geological Survey, Preliminary Map P.3425, scale 1:100,000

Thomson: J.E.

1948: Geology of Teck Township and the Kenogami Lake Area, Kirkland Lake Gold Belt Fifty-seventh Annual Report of the Ontario Department of Mines being Vol. LVII, Part V. 1948 p. 1-53. Accompanied by Map No. 1946-1, Kenogami Lake Area (Grenfell and Eby Tp.). Scale 1 inch to 1000 feet (1:1200) and Map No. 1945-1 Township Teck (& Concentrated VI of Otto Tp.).

Thomson: J.E., and Charlewood; G.H. et all.

1948: Geology of the Main Ore Zone at Kirkland Lake Fifty-seventh Annual Report of the Ontario Department of Mines being Vol. LVII, Part V. 1948 p. 54-188.

CERTIFICATE OF QUALIFICATIONS

I, Douglas Robinson, of 24 Victoria Avenue, Swastika, Ontario hereby certify that:

1. I am a registered professional Engineer of the province of Ontario, No. 39322011.

2. I am a graduate of Queen's University in Kingston Ontario with an Honours Bachelor of Science, Geological Engineering 1975, and a mining technician certificate from Northern College, School of Mines in Haileybury, Ontario, 1970.

3. I have been practicing my profession since graduation.

4. The information contained in this report is the result of work done by myself and the references cited.

Respectfully submitted



Douglas Robinson, P. Eng.
January 04, 2013

REPORT

ON

FIRST NATIONS CONSULTATION

(January 2013)

Robinson Property

Eby Otto Township
Larder Lake Mining Division
North-eastern Ontario

NTS
42A1

UTM
Grid Zone 17
Nad 83
0563565mE, 5326834mN

For

Douglas Robinson & Betty Robinson

Douglas Robinson P. Eng.
Doug Robinson Consulting
P.O. Box 218
Swastika, Ontario
P0K 1T0
Telephone: 705 642-9153

Common Social Conscience and First Nations Issues

For a society to thrive, all of its members, including first nations, must have an equal opportunity for economic success. This requires cooperation and communication from all parties. Prospectors, junior exploration companies and mine developers; in addition to the rest of Canadian society, must work to this end.

At a national level, all sectors of Canadian society benefit from the use of lands historically ceded by first nations people, and as a result, must bear the responsibility of ensuring that all first nations communities are treated fairly, with equal access to the economic benefits of said lands ceded to Canadian governments. This compensation should not be borne by only selected sectors of society.

The local context of this report is rural northern Ontario in which all local communities are dependent on mining and other primary resource extraction. Previous collapses of the mining industry have had devastating economic and social repercussions for all. The industry's health is directly connected to the wellbeing of all northern peoples. When this industry is selected, to the exclusion of many other industries, to bear the weight of correcting historical injustices, it disproportionately affects already economically disadvantaged regions of rural Canada, including its native communities.

The purpose of this report is twofold. First, it is a call to **national, society-wide support** to correct historical injustices to first nations peoples, thereby bringing fairness and peace into Canadian and first nations relationships. Second, it calls for the **abolition of two-tiered native compensation** and **disproportionate responsibility of primary industry to correct historical injustices of society as a whole.**

The 2012-2013 revisions to the Mining Act pertaining to first nations peoples are a positive step in correcting historical injustices, but they are inadequate in their scope, and should be legislated at national and provincial levels, resulting in fair compensation from **all** sectors of the Canadian economy.

Mining Act Awareness Program

Douglas Robinson successfully completed the Ministry of Northern Development and Mines "Mining Act Awareness Program" November 12, 2012 with verification number 8DFC-9763-C228-7110 as a requirement to use his Prospector's License.

Betty Robinson successfully completed the Ministry of Northern Development and Mines "Mining Act Awareness Program" December 27, 2012 with verification number ICOA-FF1D-6792-A747 as a requirement to use her Prospector's License.

Douglas Robinson successfully completed the Ministry of Northern Development and Mines "Mining Act Awareness Program" November 12, 2012 with verification number 5497-0BF8-DB94-0205 as a requirement to operate as qualified supervisor.

Mining Act Sets Legal Precedence Through Discrimination

The new 2012/2013 Mining Act amendments are setting legal precedence for first nations' entitlement relating to:

- all lands in Ontario and Canada
- financial expectations of first nations communities from economic activity
- equal occupational training and employment opportunities for first nations peoples.

This entitlement:

- is based on most private lands, corporate lands and Crown lands originally being first nations' lands
- is based on the Canadian mining industry operating on, and benefiting from, said lands

The logical extension of this precedence applies to all Canadians and companies operating in Canada as we all similarly benefit from activities carried out on said lands. This includes not only rural agricultural land, but also the urban industrial heartlands and the financial centres of our country.

The preamble to the first nations section of the report suggests that this is generally progressive legislation in its intent, but that it is **flawed in its ability to address the fair compensation of all native groups** and even in its **limited scope of industrial/commercial compensation** to native groups.

The Mining Act revisions being enacted in 2012 and 2013 discriminate against first nations not proximal to commercial/industrial developments and is also discriminatory to new exploration and mining developments proximal to first nations communities.

For example, the few first nations that are close to new mining operations will have a much greater benefit than the many groups that are not. Groups that are close to historical active mines or manufacturing and service operations would not receive nearly the same reward.

Just as the Act discriminates against the majority of first nations far from new mining activity, it also creates an uneven playing field for new exploration and mining developments. There is a moral obligation for all Canadians and commercial ventures to equally bear the burden of compensating first nations to honour our historic treaty obligations. **This is creating a two-tiered system for first nations as well as industry, and it antithetical to the just society we strive for as a nation.**

All first nations should benefit equally from all commercial activities in this country, from individual access to employment to communal remuneration for activities on their historical land ceded to the governments of Canada. This means that all first nations should receive benefit not only from mining and similar primary industries, **but also** infrastructure projects, service industries, all levels of manufacturing, finance, and government agencies. As a result, the spirit of these well-intentioned amendments belongs in province and nation-wide legislation.

Secrecy and separated bargaining: a recipe for disaster and discrimination

When this province/nationwide legislation is enacted, it is important that negotiations between the mining industry and first nations communities be done in a professional manner.

It is the experience of the author that first nations groups in his situation have asked to bargain **separately** and **secretly**. This is a formula for inefficiency and uncertainty.

It is detrimental to industry as the practice of **secrecy** is in contravention of Security Commission legislation that prospectors and mining companies are required to obey. All publicly traded Canadian companies must disclose material changes including contracts with other parties. Entering into these secret agreements is illegal under securities law. Further, this type of contract can be construed as a bribe by the regulatory agencies, with serious consequences for all parties.

This lack of transparency is also detrimental to first nations communities and their leaders. Secret agreements undermine the image of integrity that Canadians expect of all leaders in our nation. It also creates questions of fairness to all in the affected communities.

Separate bargaining creates a strong disincentive for investing in many sectors, including the mining industry. For example, mining properties with many names on title (estates) tend to be difficult to negotiate successfully. Similarly, properties with multiple native claimants demanding individual bargaining have caused mining companies to walk away from otherwise promising ventures in Ontario. The failure of these ventures affects all sectors of the local community.

The author suggests that all first nation parties bargain collectively when they claim an interest in land development situations. In the absence of participation by some first nations, the negotiations default to the first nation or nations most impacted and the negotiations represent the total of all first nations' interests.

Mining Act Information Meeting April 3, 2012

April 3, 2012 the author attended an information meeting concerning the proposed amendments to the Mining Act to be enacted in 2012 an 2013 as proposed by the MNDMF Environmental Registries "011-5733", "011-5785" and "011-5786.

Environmental Registry "011-5785" and "011-5786"* Posting

The Environmental Registry "011-5785" and "011-5786"* postings are included in the appendices to this report.

Environmental Registry "011-5733", "011-5785" and "011-5786"* Submissions

Below is the author's submission to Environmental Registries numbered "011-5733", "011-5785" and "011-5786". Only responses to Environmental Registries numbered "011-5785" and "011-5786" are relevant to first nations issues and the Mining Act amendments. The issues of these two registaries were deemed to be overlapping, thus a common response was made to both registries. The responses were electronic files in Microsoft Word 2003 format to facilitate inclusion on the environmental registry. The links on this site lead to the following registry specific sites listing the comments:

File 011-5785: http://www.ebr.gov.on.ca/ERS-WEB-External/searchCommentList.do?ebrNum=011-5785&noticeId=MTE1OTQy&statusId=MTc2NTM1&noticeHeaderIdString=MTE1OTQy

and

File 11-5768: http://www.ebr.gov.on.ca/ERS-WEB-External/searchCommentList.do?ebrNum=011-5786&noticeId=MTE1OTQz&statusId=MTc2NTM0&noticeHeaderIdString=MTE1OTQz.

The MNDMF staff processing the comments have gave assurance the electronic format file comments would be preserved in the permanent publicly accessible files relating to these two registries.
The authors submissions to Environmental Registry "011-5785" and "011-5786" are included in the appendices to this report.

Offer to Matachewan First Nation April-May 2012

MNDMF sent the author a list of the six first nation and Métis groups that claim rights in the lands the author and his family traditionally explore in Eby and Otto townships.

This list is the (contact information amended to verbal confirmation from the individual groups):

Abitibiwinni, Conseil de la Premierre Nation : Attention **Bruno Kistabish** Chief
Phone: 819 732-6591 Email: bruno@pikogan.com

Beaverhouse First Nation: Attention: **Gloria McKenzie** Chief
Phone: 819 732-6591 Email: bruno@pikogan.com

Matachewan First Nation: Attention: Chief **Alex (Sonny) Batisse**
Phone: 705 565-2230 extension 222 Email : micheline.dube@xplornet.ca
Micheline Dube : micheline.dube@xplornet.ca

Timiskaming First Nation: Attention: **Terence McBride,**
Phone : 819 723-2370 Email: tfnchirf@parolink.net

Wahgoshig First Nation (Abitibi #70): Attention: **David Babin**
Phone: 705 273-2055 Email: wahgoshi@ntl.sympatico.ca

Métis Nation of Ontario: Attention: **Gary Lipinski** President
Phone: 613 798-1488 Email: garyl@metisnation.org
or Consultations@metisnation.org

The author practices transparent communication by sending identical emails of all communication and negotiations with all the groups collectively so all are informed. The author practices disclosure to satisfy Securities regulations if and when the regulations should apply to the property.

The Matachewan First Nation has consistently responded to communications and appears to be acting in good faith on behalf of all six groups listed below.

From Matachewan First Nation Counter Offer – May 17, 2012

The Matachewan First nation has responded with the counter offer of May 17, 2012. This counter offer is included in the appendices of this report.

To Matachewan First Nation Counter Offer – June 2, 2012

The author responded to the above first nations' counter offer of May 17, 2012 with a counter offer of June 2, 2012. The author's counter offer of June 2, 2012 was extended collectively to all six groups including the **Abitibiwinni, Conseil de la Premierre Nation,** the **Beaverhouse First Nation,** the **Matachewan First Nation,** the **Timiskaming First Nation,** the **Wahgoshig First Nation, and** the **Métis Nation of Ontario**

No first nation has responded to the June 2, 2012 offer. As such, that offer has no effect. However, the author is honoring the terms of the offer without the obligation of the offer. The author continues to communicate with the six first nation – Métis groups and the Matachewan First Nation continues to communicate with the author.

To Matachewan First Nation Notice of Continuance October 26, 2012

October 26, 2012 the author updated the **Abitibiwinni, Conseil de la Premierre Nation,** the **Beaverhouse First Nation,** the **Matachewan First Nation,** the **Timiskaming First Nation,** the **Wahgoshig First Nation, and** the **Métis Nation of Ontario** concerning the continuance exploration of the property. That communication is included in the appendices of this report.

From Matachewan First Nation November 30, 2012 Response to October 26, 2012 Notice of Continuance

In an emailed letter dated November 30, 2012 the Matachewan First Nation acknowledged October 26, 2012 notice of continuance of exploration on the property. That communication is included in the appendices of this report.

MNDMF Information Presentation November 1, 2012

November 1, 2012 the author and Betty Robinson attended and participated in the MNDMF presentation "MAM Phase 2 Industry Presentation" held in the Sunny Room at Hockey Heritage North, Kirkland Lake Ontario.

The presentation dealt with amendments to the Mining Act enacted in 2012 and 2013, MAM Phase 2, provincial-standards-for-early-exploration and **aboriginal exploration consultation**.

The contact persons were:

Joyce Delost
Email: joyce.delost@ontario.ca .
and
Dawn-Ann Metsaranta, P.Geo.
Mineral Exploration and Development Consultant
Ministry of Northern Development and Mines
Ontario Government Complex
5520 Highway 101 East, P.O. Bag 3060
South Porcupine, Ontario P0N 1H0
Email: Dawn-Ann.Metsaranta@ontario.ca

Letter to Matachewan First Nation December 07, 201

December 7, 2012 the author acknowledged the Matachewan First Nation's November 30, 2012 Response to the October 26, 2012 Notice of Continuance

That communication is included in the appendices of this report.

CERTIFICATE OF QUALIFICATIONS

I, Douglas Robinson, of 24 Victoria Avenue, Swastika, Ontario hereby certify that:

1. I am a registered professional Engineer of the province of Ontario, No. 39322011.

2. I am a graduate of Queen's University in Kingston Ontario with an Honours Bachelor of Science, Geological Engineering 1975, and
Northern College, School of Mines in Haileybury, Ontario, 1970.

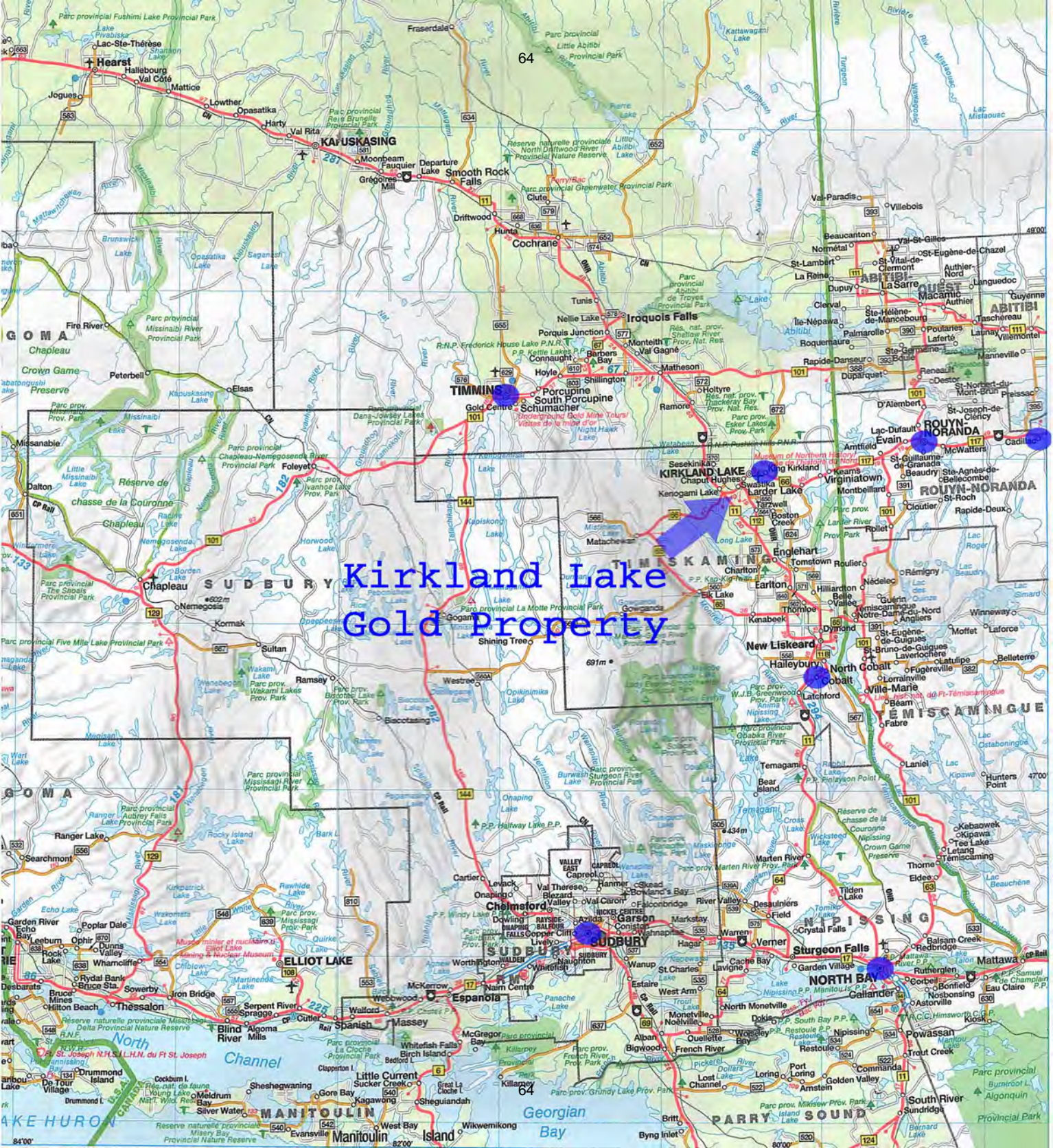
3. I have been practicing my profession since graduation.

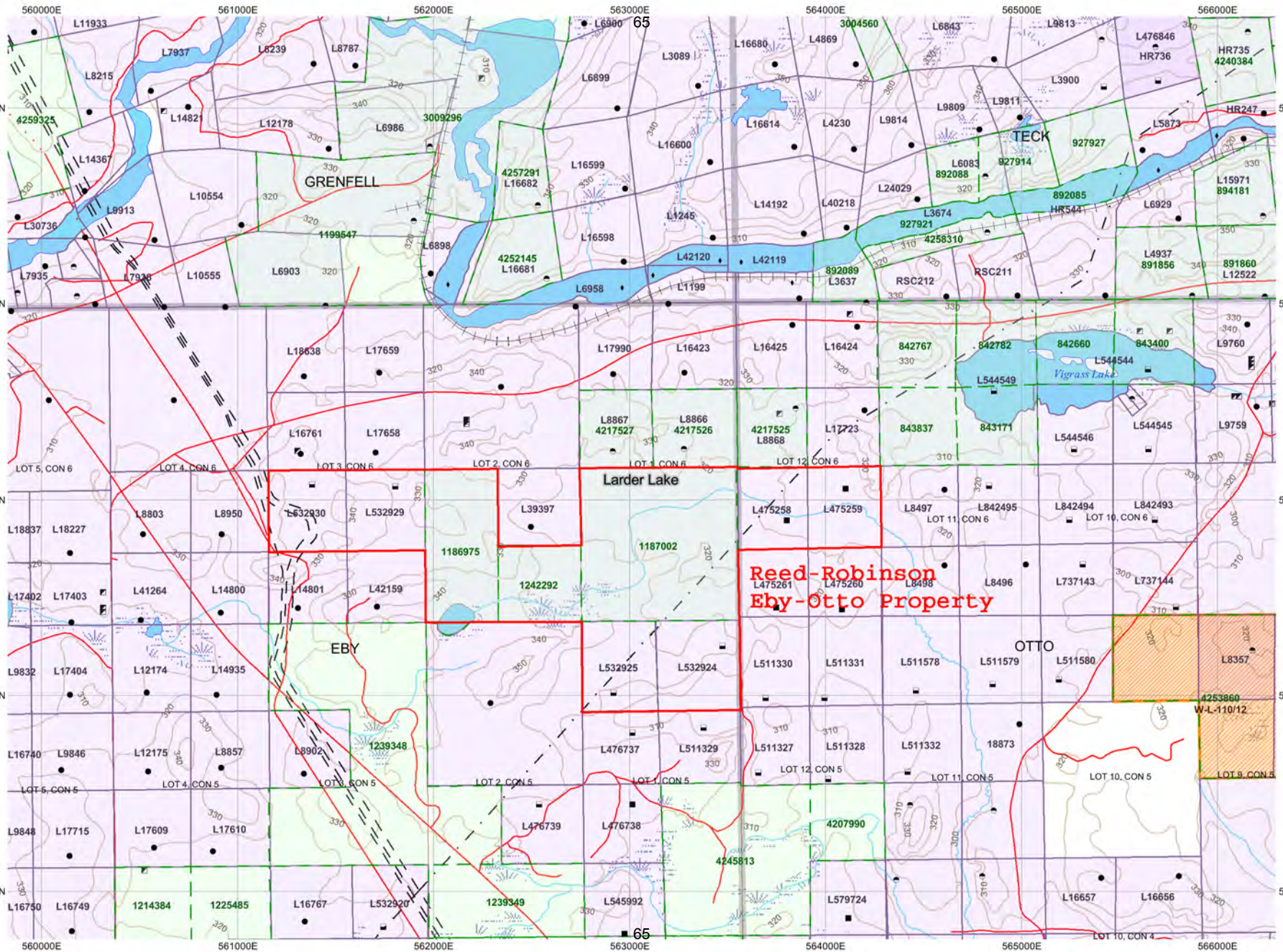
4. The information contained in this report is the result of work done by myself and the references cited.

Respectfully submitted



Douglas Robinson, P. Eng.
January 04, 2013


Kirkland Lake
Gold Property


Reed-Robinson
Eby-Otto Property
Larder Lake
EBY
OTTO
GRENFELL
TECK
Vigrass Lake
LOT 5, CON 6
LOT 4, CON 6
LOT 3, CON 6
LOT 2, CON 6
LOT 1, CON 6
LOT 12, CON 6
LOT 11, CON 6
LOT 10, CON 6
LOT 5, CON 5
LOT 4, CON 5
LOT 3, CON 5
LOT 2, CON 5
LOT 1, CON 5
LOT 12, CON 5
LOT 11, CON 5
LOT 10, CON 5
LOT 9, CON 5
LOT 10, CON 4
560000E
561000E
562000E
563000E
564000E
565000E
566000E
5329000N
5328000N
5327000N
5326000N
5325000N
65
UTM Zone 17
1000m grid

Adjoins Map 2060

Adjoins Map 2078

Reed Robinson Gold Property

Amikougami Creek Fault

Map 2239

EBY-OTTO AREA

TIMISKAMING DISTRICT

Scale 1:31,680 or 1 Inch to ½ Mile

Chains 80 60 40 20 0 1 2 Miles

Metres 1000 0 1 2 3 Kilometres

Feet 1000 0 5,000 10,000 Feet

HURONIAN

COBALT GROUP

GOWGANDA FORMATION

8a Conglomerate.
8b Arkose, greywacke, argillite.

UNCONFORMITY

ALKALIC INTRUSIVE ROCKS

7a Coarse-grained syenite, syenite porphyry, pegmatite.
7b Mafic syenite, syenite contaminated by country rocks.
7c Medium-grained syenite, aplite dikes.
7d Syenite with numerous xenoliths and autoliths.
7e Lamprophyre.
7f Quartz syenite, granite.
7g Diorite.

INTRUSIVE CONTACT

ARCHEAN

MAFIC INTRUSIVE ROCKS (MATACHEWAN OR NIPISSING)

6 Diabase.

INTRUSIVE CONTACT

FELSIC INTRUSIVE ROCKS (ALGOMAN)

5a Granite, porphyritic granodiorite.
5b Granodioritic gneiss.
5c Syenite and trachyte.
5d Mafic syenite and mafic tr

INTRUSIVE CONTACT

EARLY MAFIC AND ULTRAMAFIC ROCKS (HAILEYBURIAN, EARLY ALGOMAN, AND KEEWATIN)

4a Serpentinite, peridotite.
4b Gabbro, diorite.

INTRUSIVE CONTACT

METASEDIMENTS (TIMISKAMING AND KEEWATIN)

3a Conglomerate.
3b Quartzite, greywacke.
3c Tuff, agglomerate, minor amounts of trachyte agglomerate, breccia.

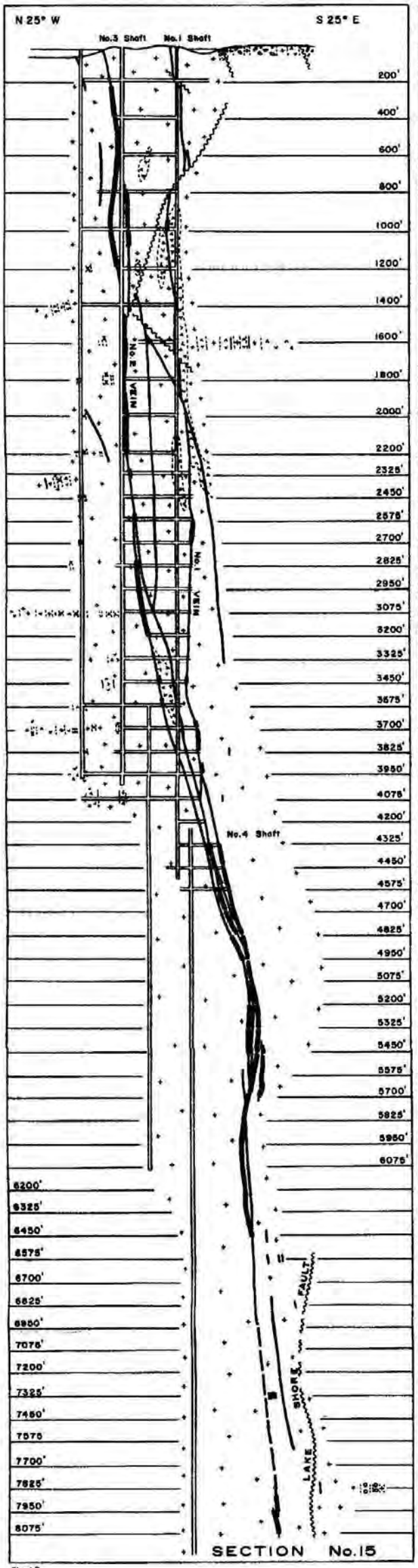
UNCONFORMITY AND INTERBEDDING

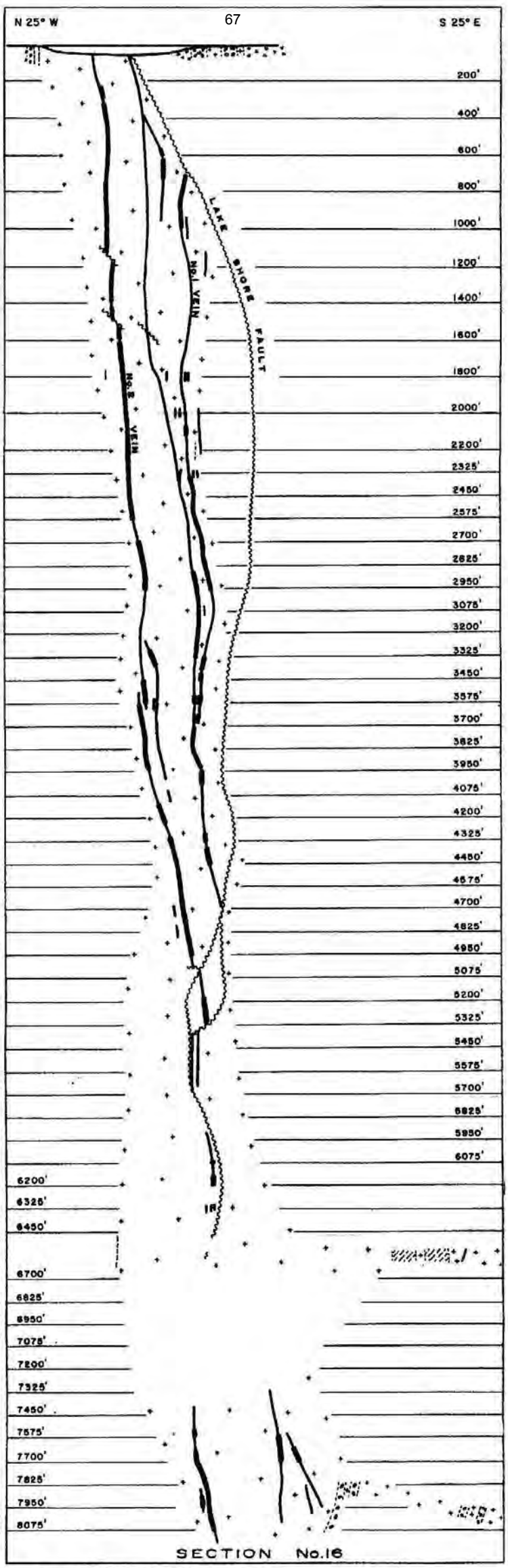
FELSIC METAVOLCANICS (KEEWATIN)

2a Rhyolite, dacite.
2b Iron formation, silicic tuff, agglomerate.
2c Dacite porphyry, amygdaloidal and spherulitic dacite.

MAFIC METAVOLCANICS AND METASEDIMENTS

1 Unsubdivided mafic volcanics.
1a Basalt, andesite.
1b Chloritic mafic tuff, agglomerate.
1c Altered (bleached, carbonatized) volcanic and sedimentary rocks.
1d Amphibolite, garnet-epidote amphibolite, amphibolite gneiss.
1e Andesite porphyry, amygdaloidal and spherulitic dacite.
1g Biotite-garnet-pyroxene amphibolite.





Sheet D
Sections 14 to 17
Lake Shore Mine

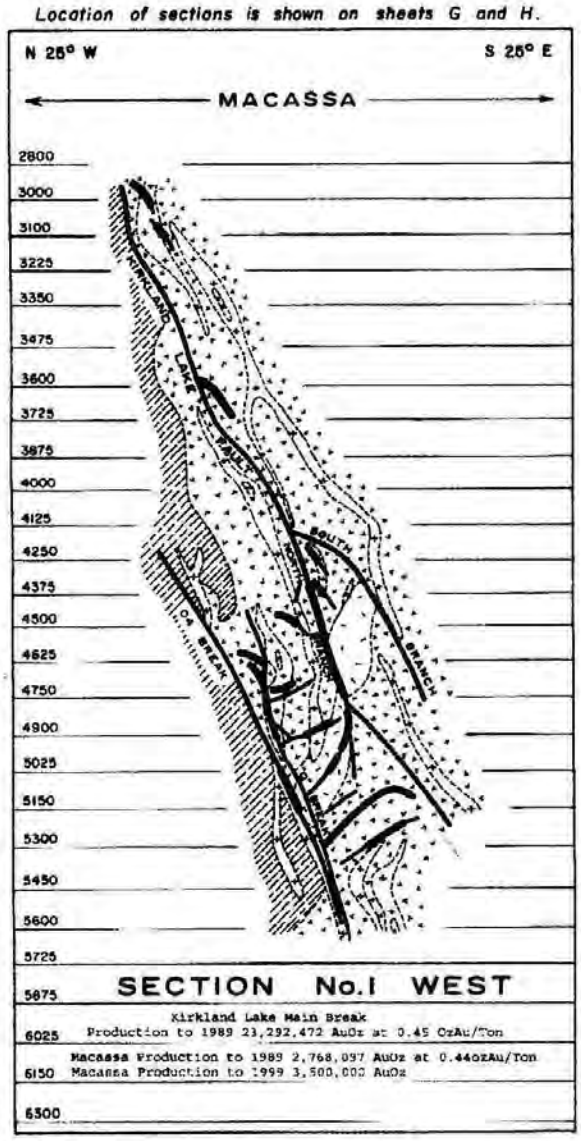
SOURCE OF INFORMATION

Sheet A
Sections 1W to 4W
Macassa Mine

Macassa Mine plans, 1963.

NOTE

Location of sections is shown on sheets G and H.



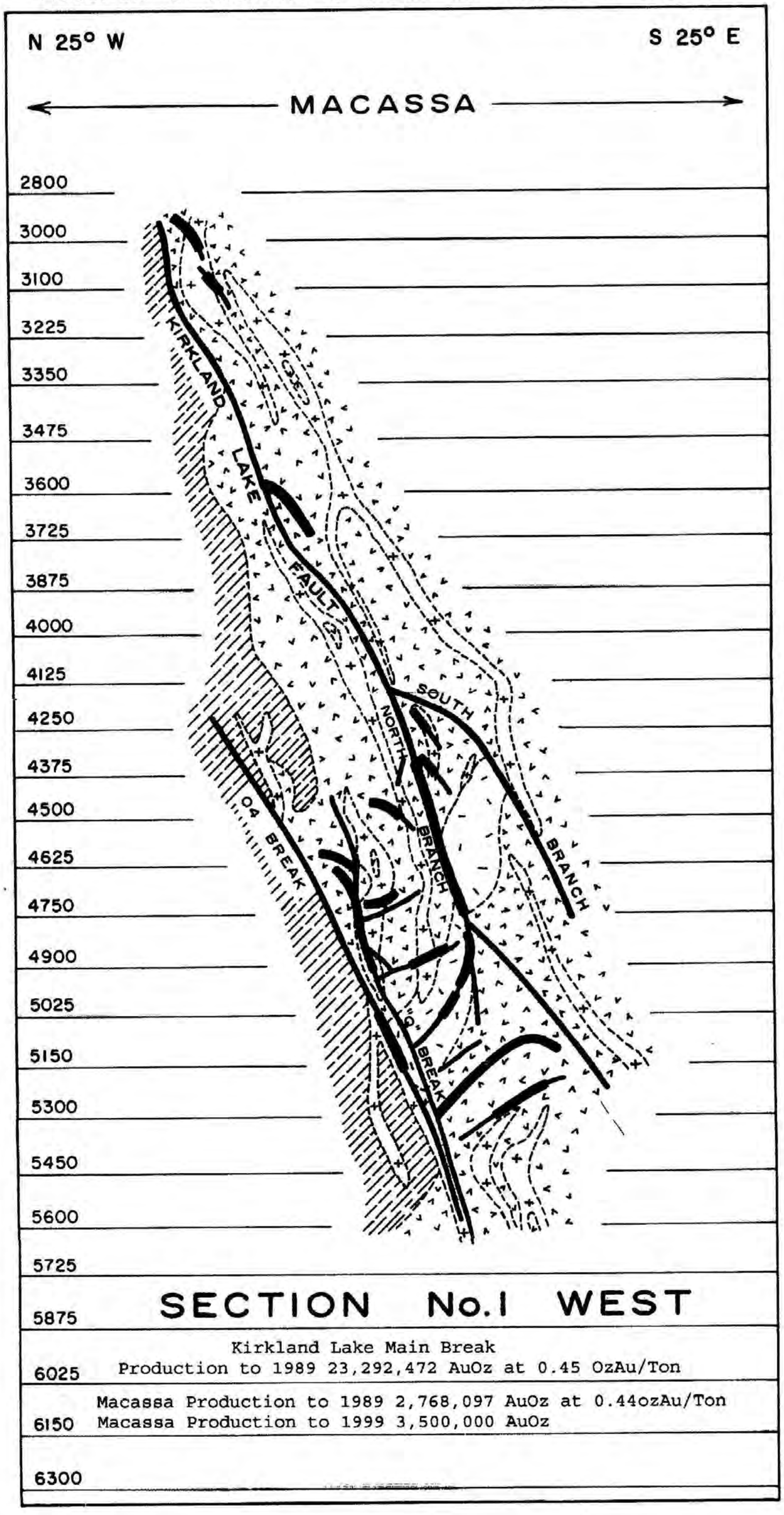
SOURCE OF INFORMATION

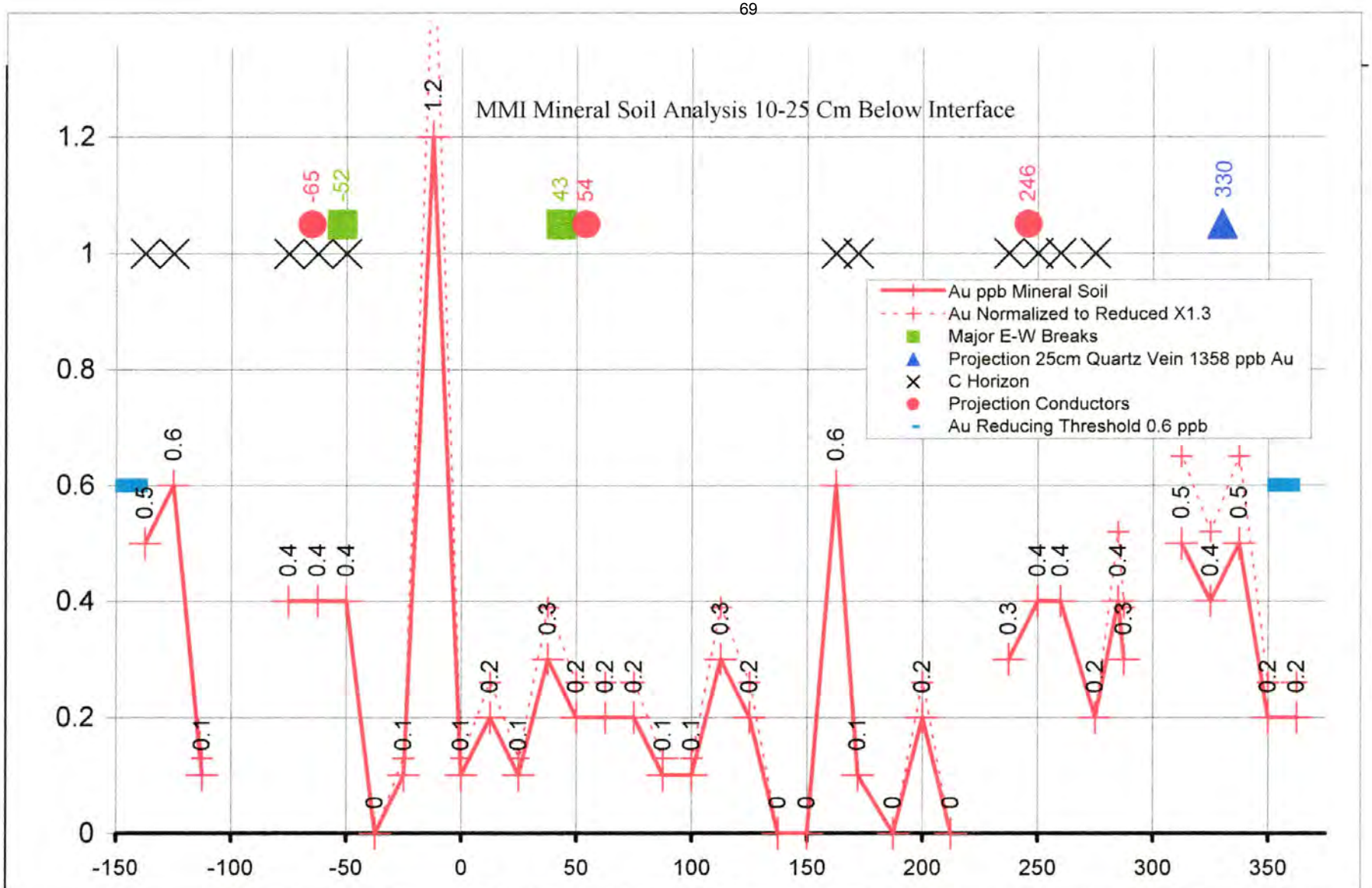
Sheet A
Sections 1W to 4W
Macassa Mine

Macassa Mine plans, 1963.

NOTE

Location of sections is shown on sheets G and H.

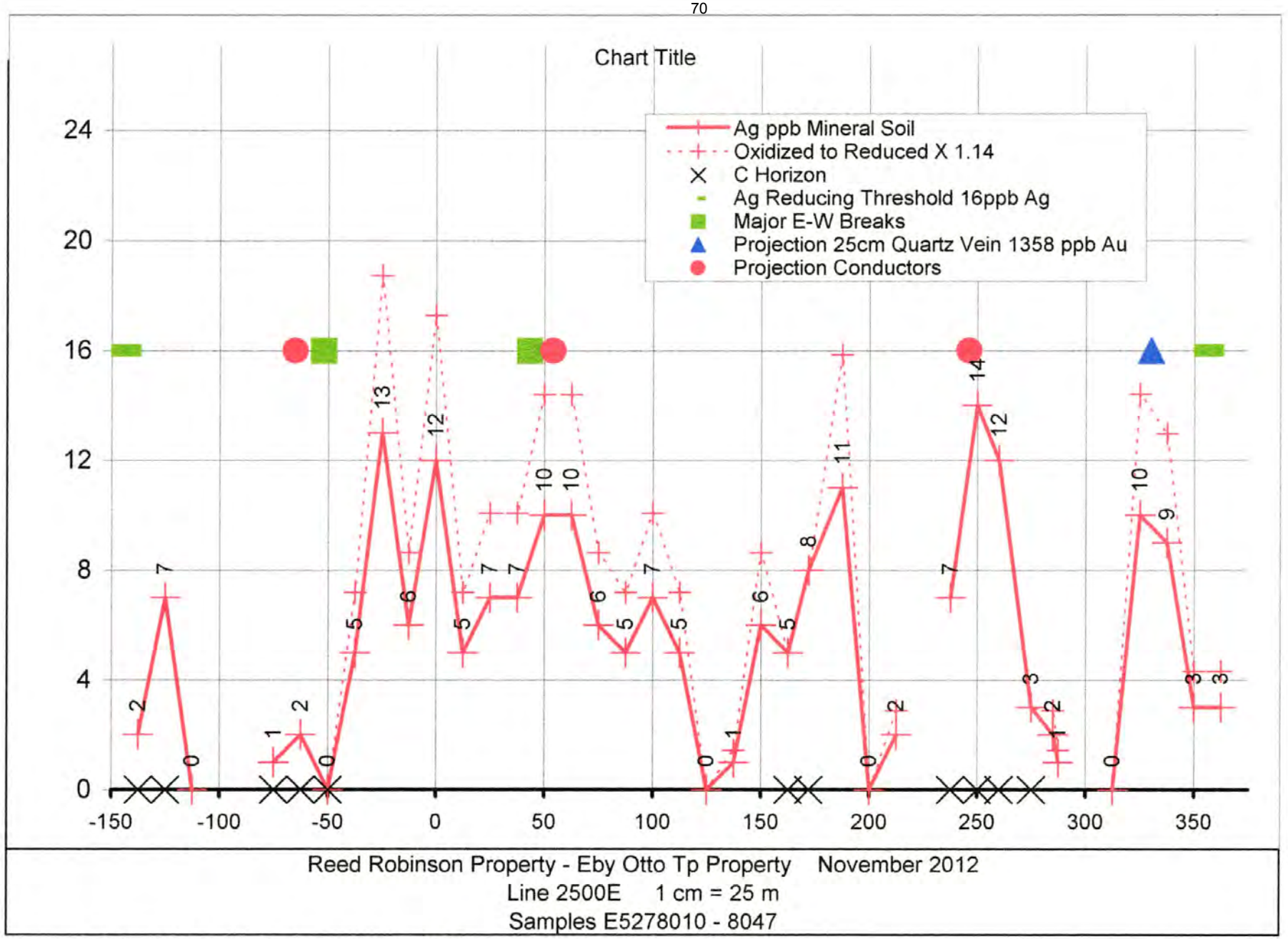




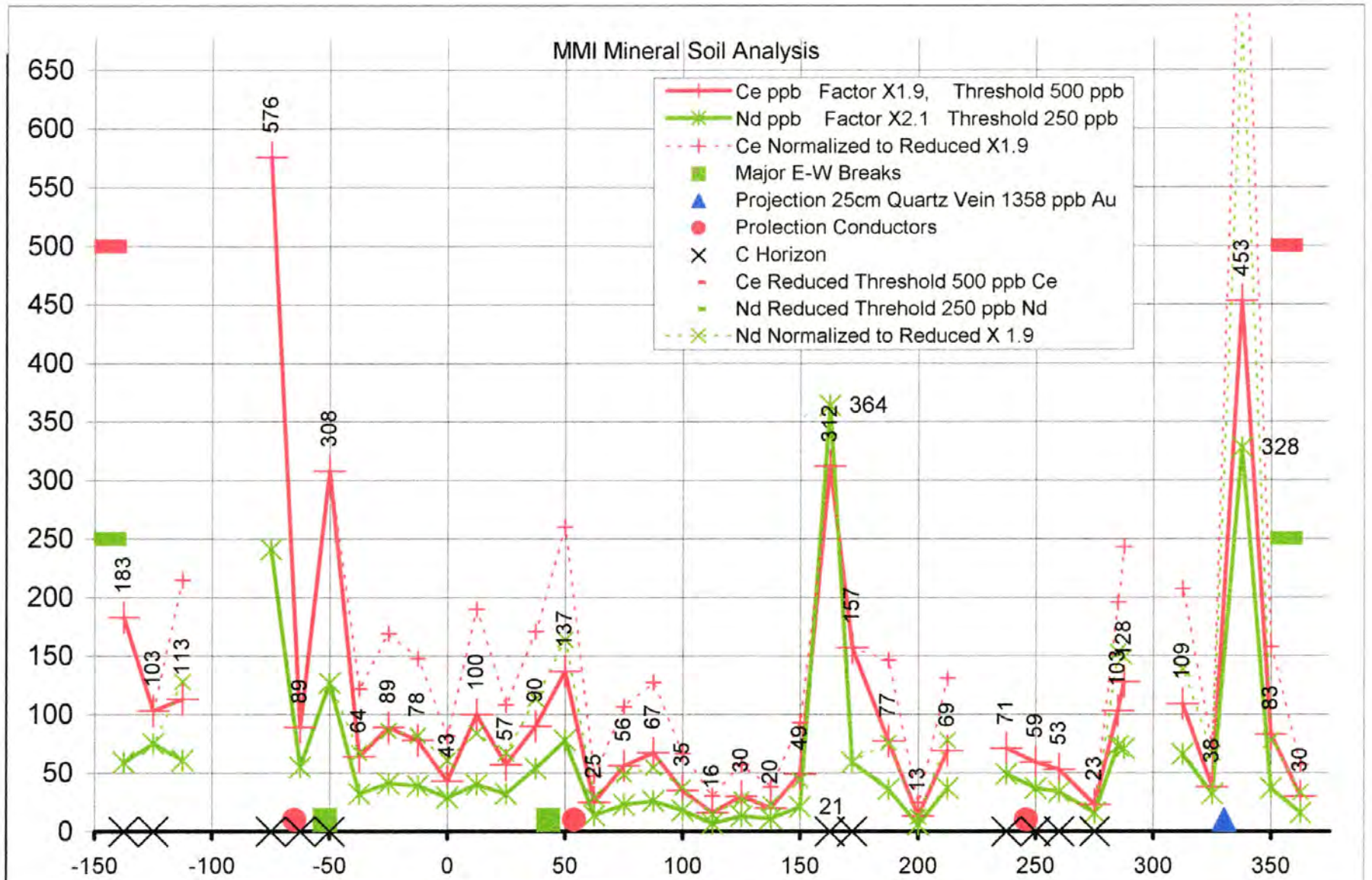
Reed Robinson Property - Eby Otto Tp Property November 2012

Line 2500E 1 cm = 25 m

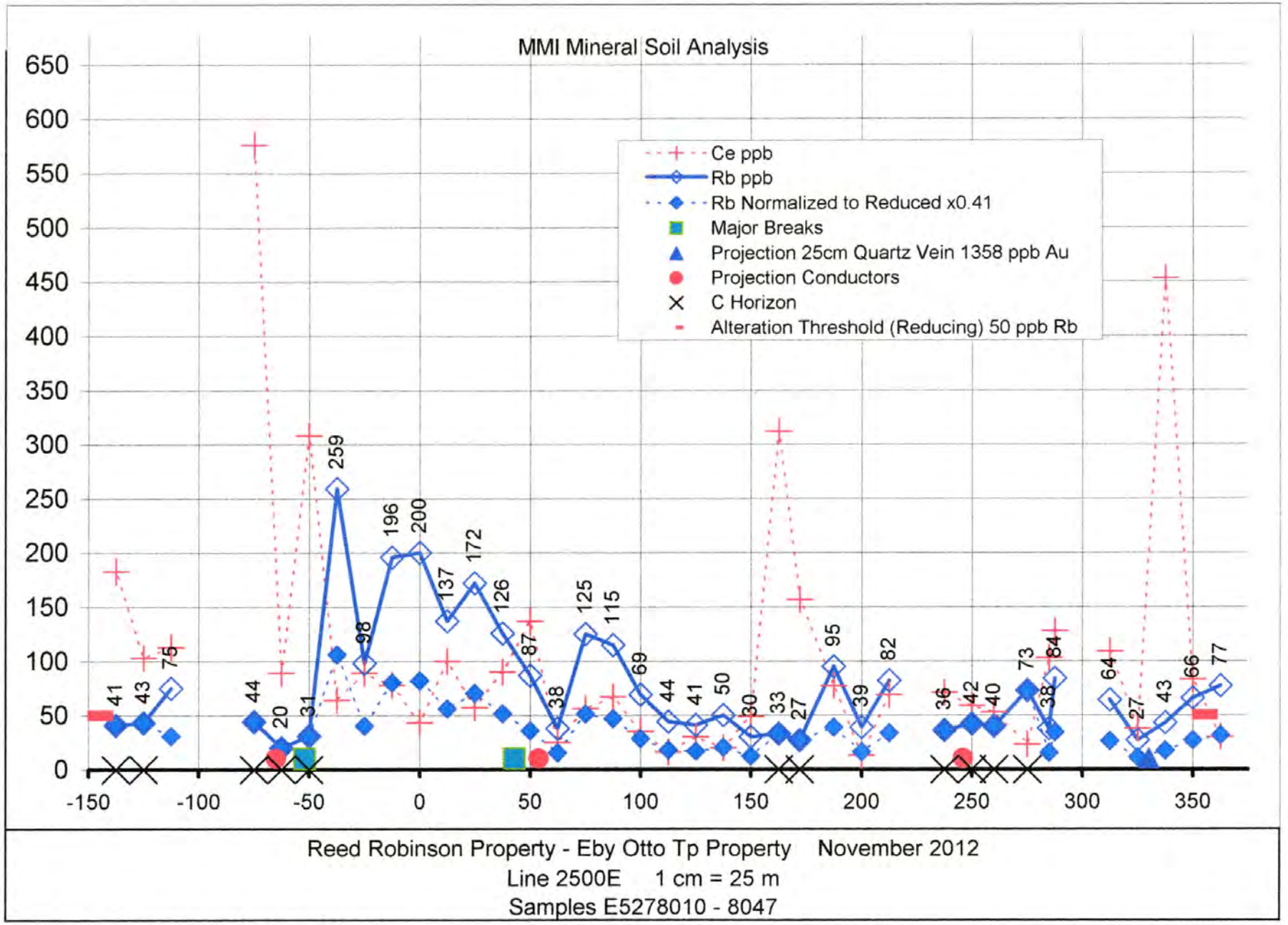
Samples E527**8010 - 8047**



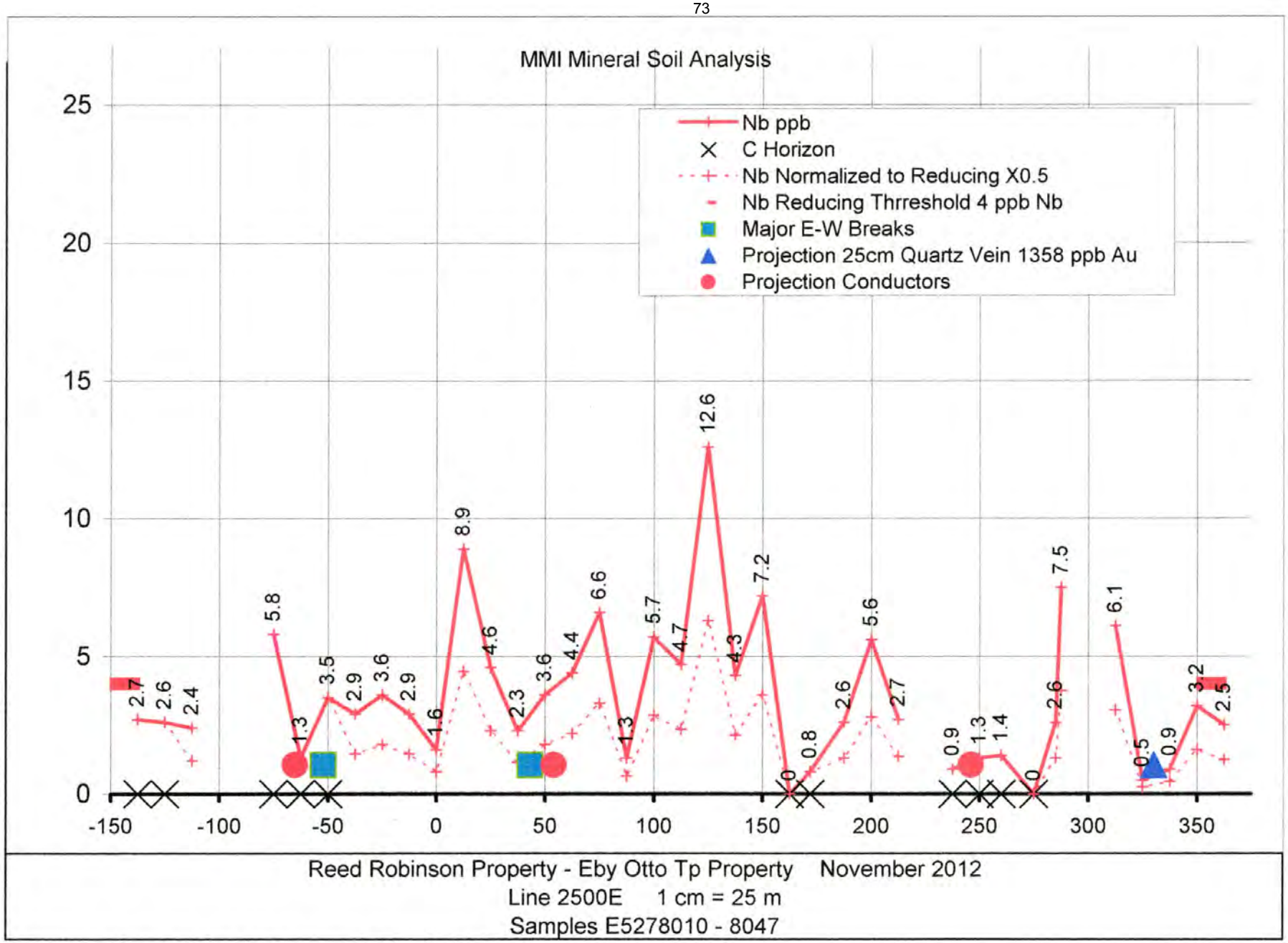
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 2500E 1 cm = 25 m
Samples E5278010 - 8047



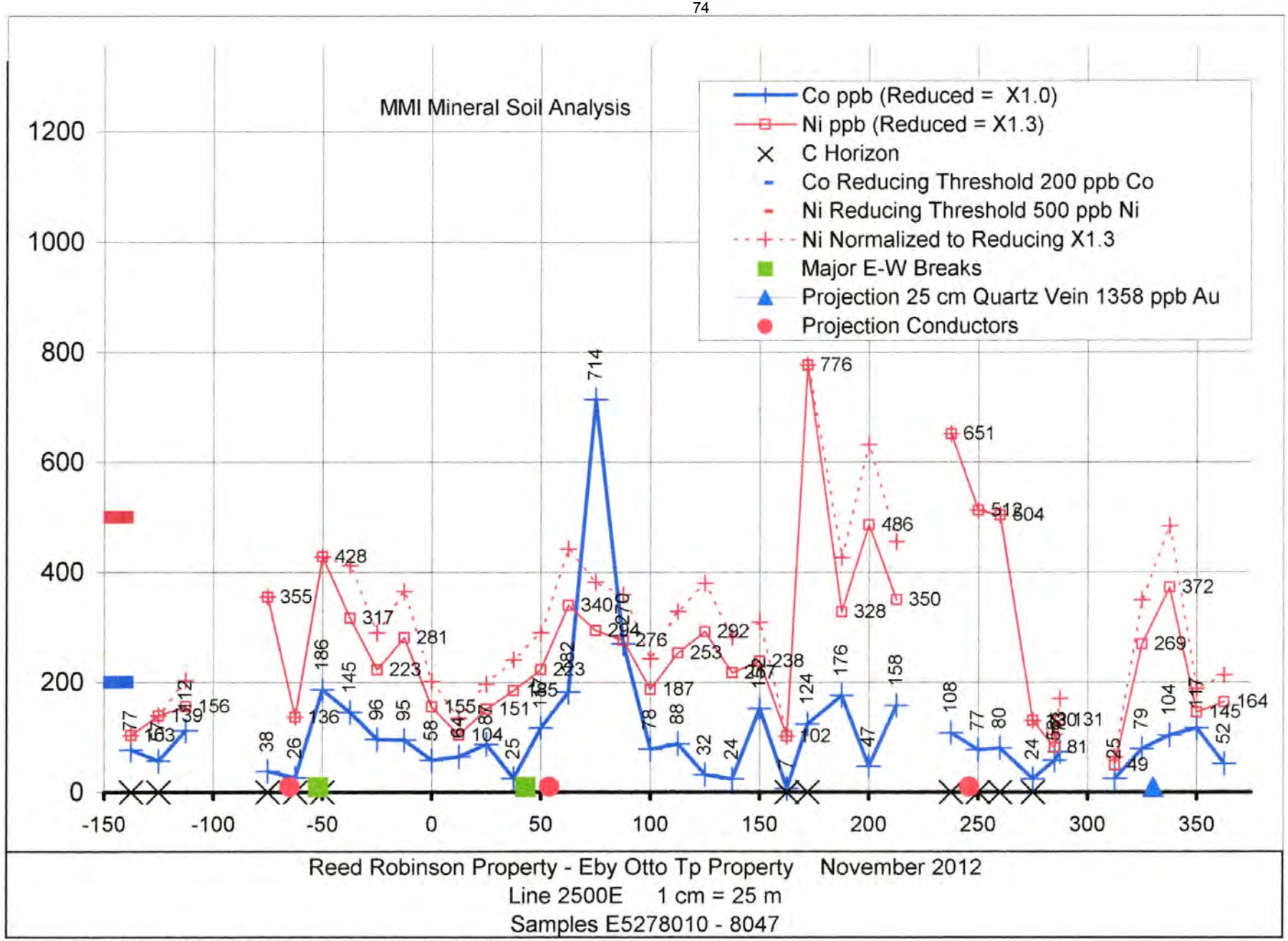
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 2500E 1 cm = 25 m
Samples E5278010 - 8047

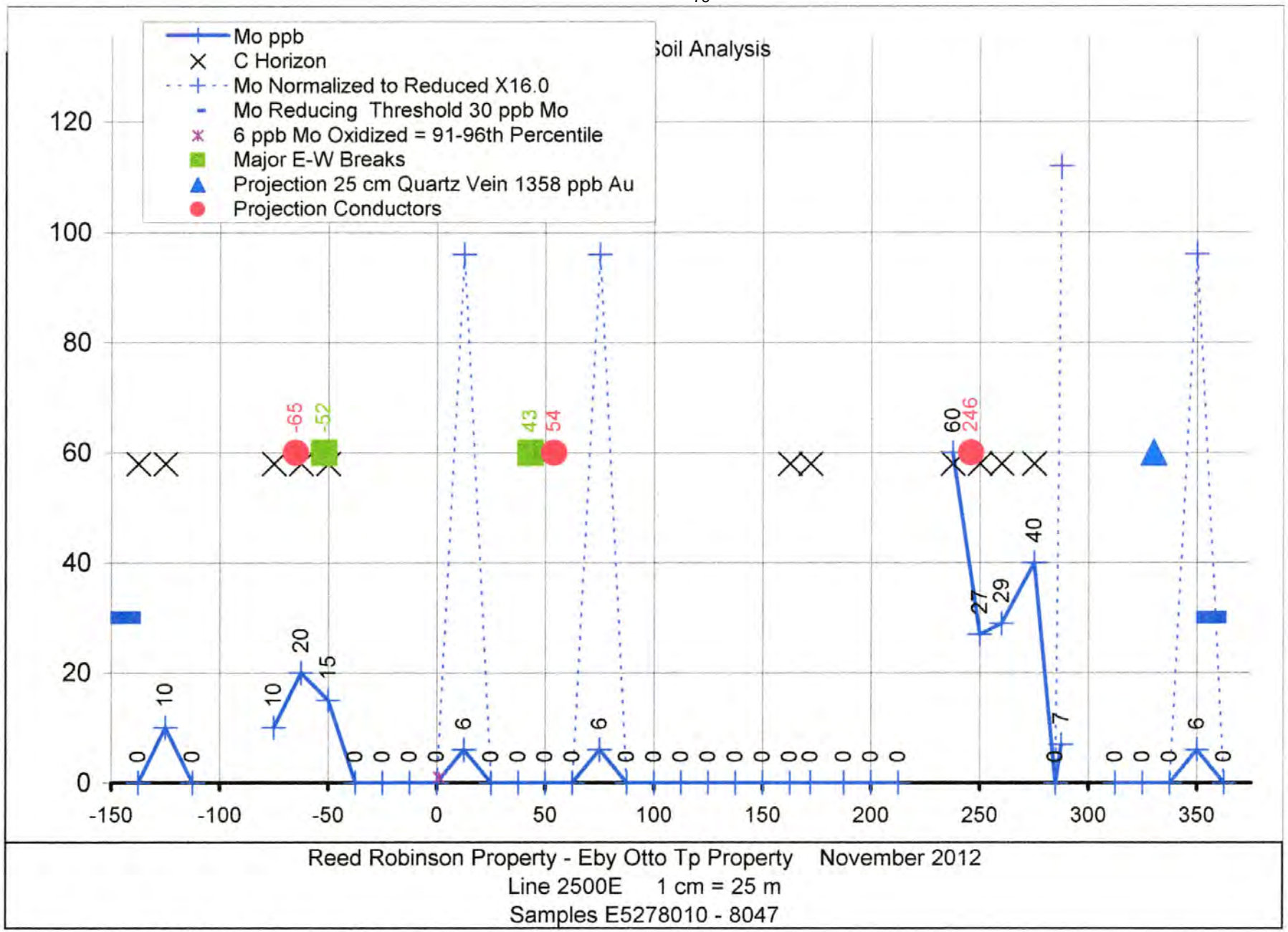


Reed Robinson Property - Eby Otto Tp Property November 2012
Line 2500E 1 cm = 25 m
Samples E5278010 - 8047

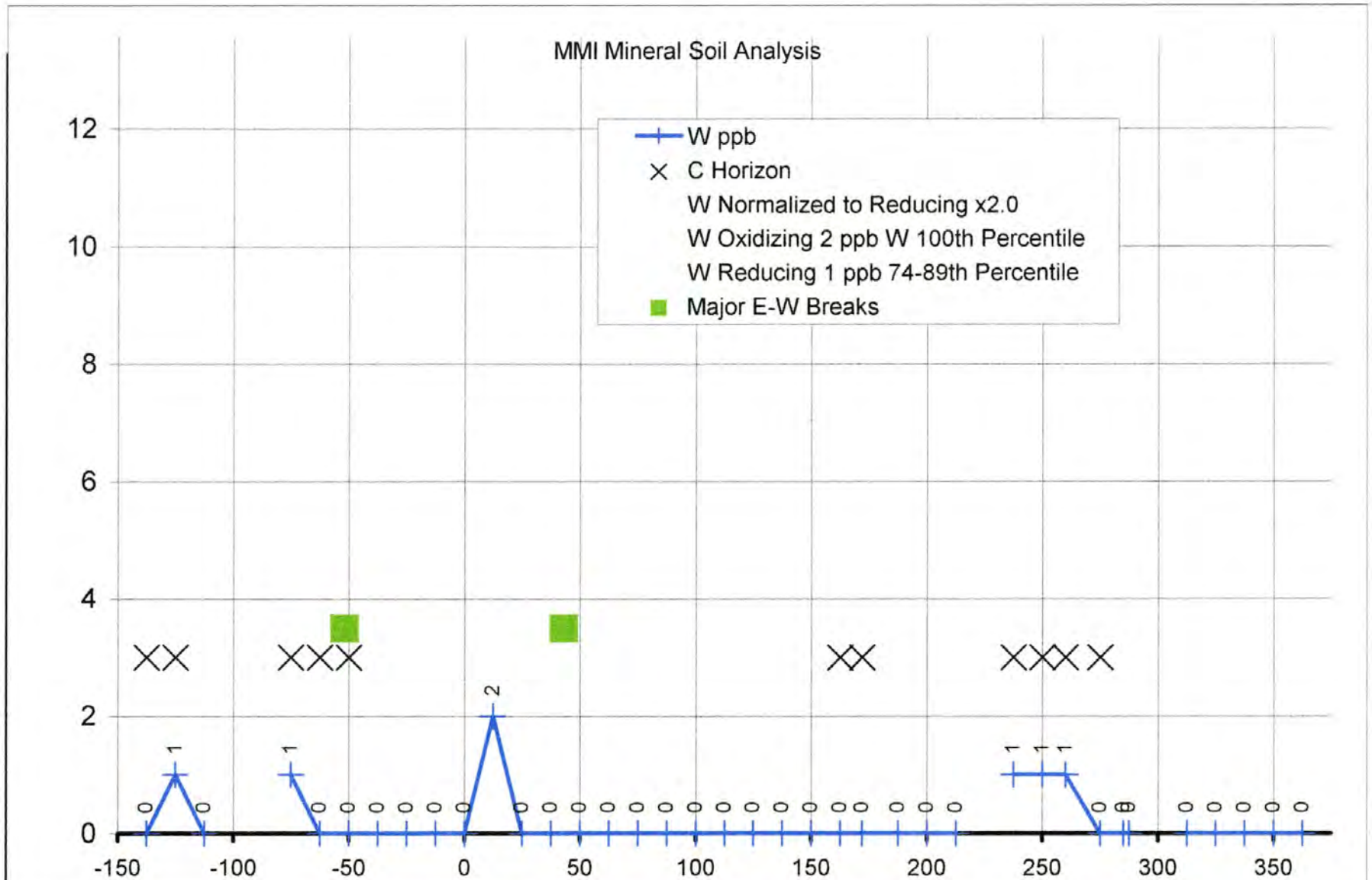


Reed Robinson Property - Eby Otto Tp Property November 2012
Line 2500E 1 cm = 25 m
Samples E5278010 - 8047

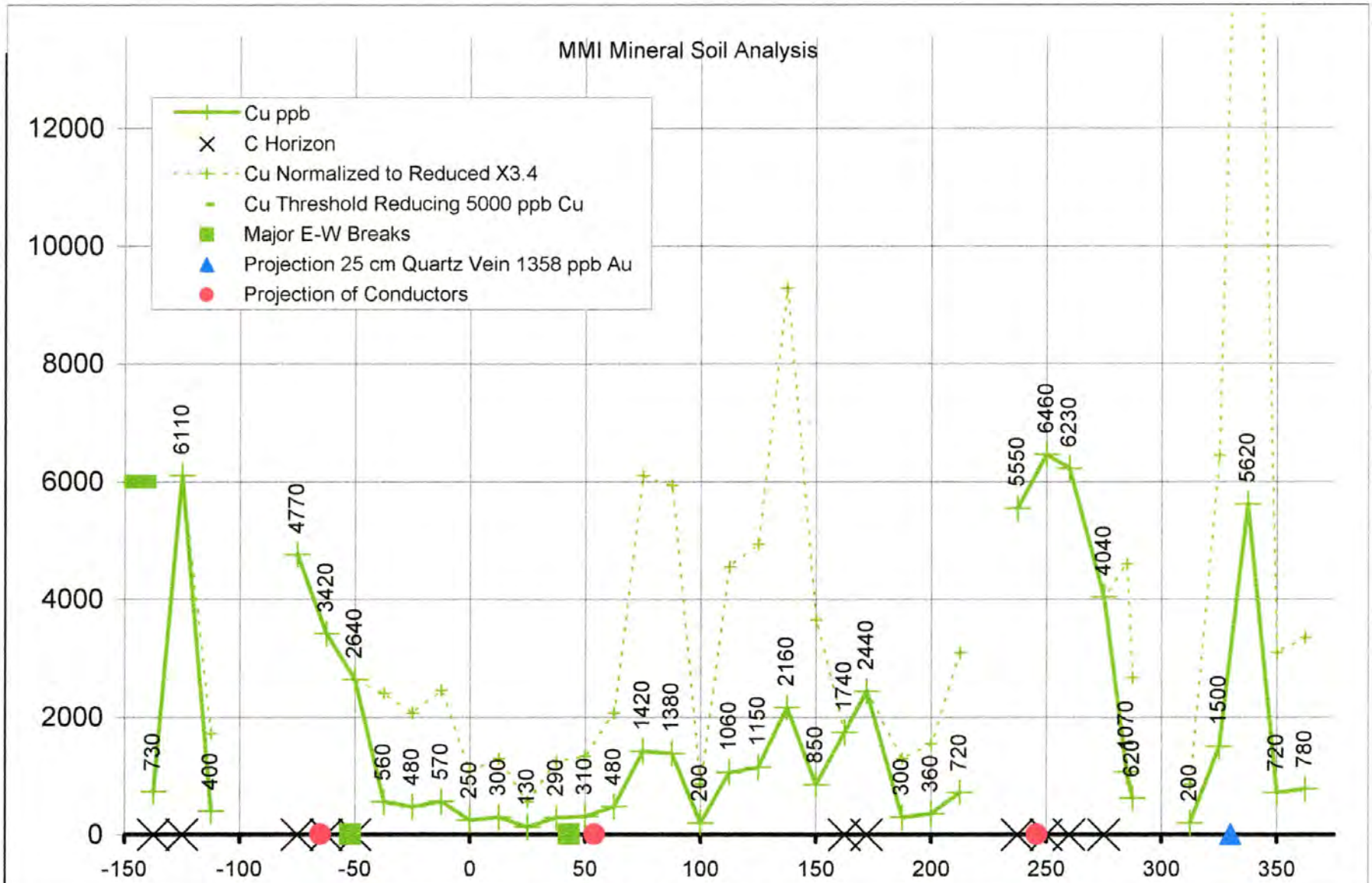

MMI Mineral Soil Analysis
Co ppb (Reduced = X1.0)
Ni ppb (Reduced = X1.3)
C Horizon
Co Reducing Threshold 200 ppb Co
Ni Reducing Threshold 500 ppb Ni
Ni Normalized to Reducing X1.3
Major E-W Breaks
Projection 25 cm Quartz Vein 1358 ppb Au
Projection Conductors
1200
1000
800
600
400
200
0
-150
-100
-50
0
50
100
150
200
250
300
350
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 2500E 1 cm = 25 m
Samples E5278010 - 8047



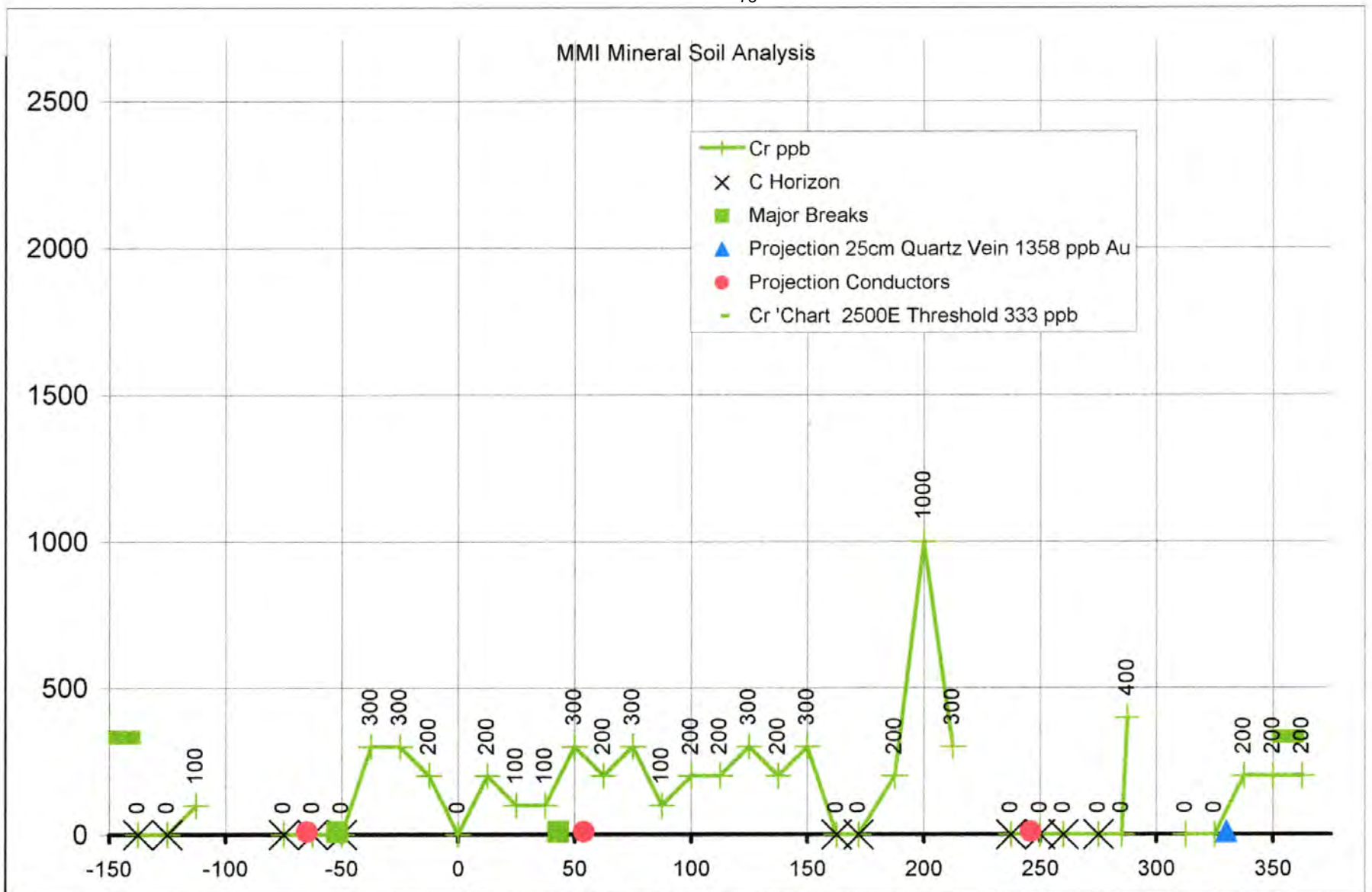
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 2500E 1 cm = 25 m
Samples E5278010 - 8047



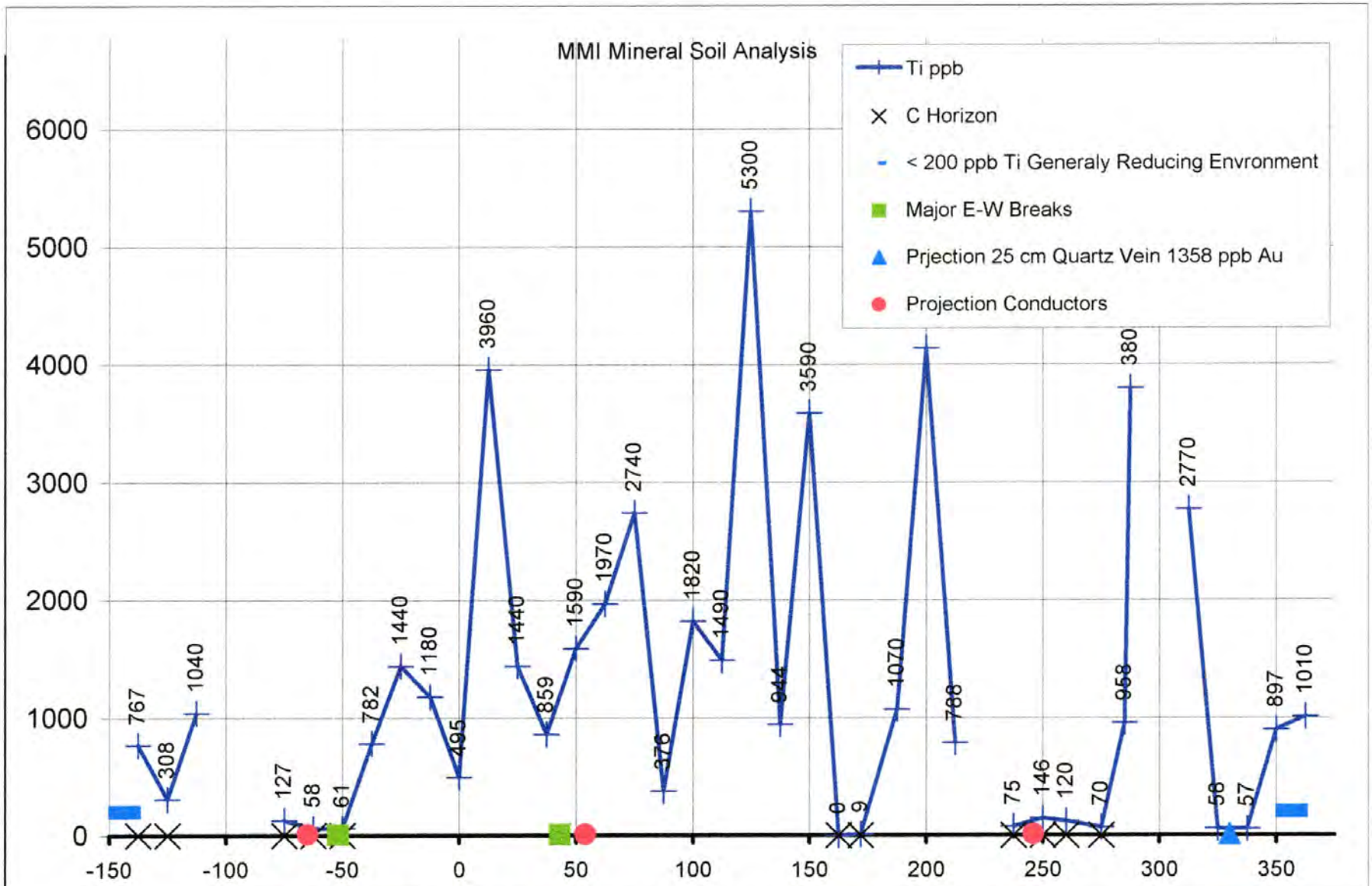
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 2500E 1 cm = 25 m
Samples E5278010 - 8047



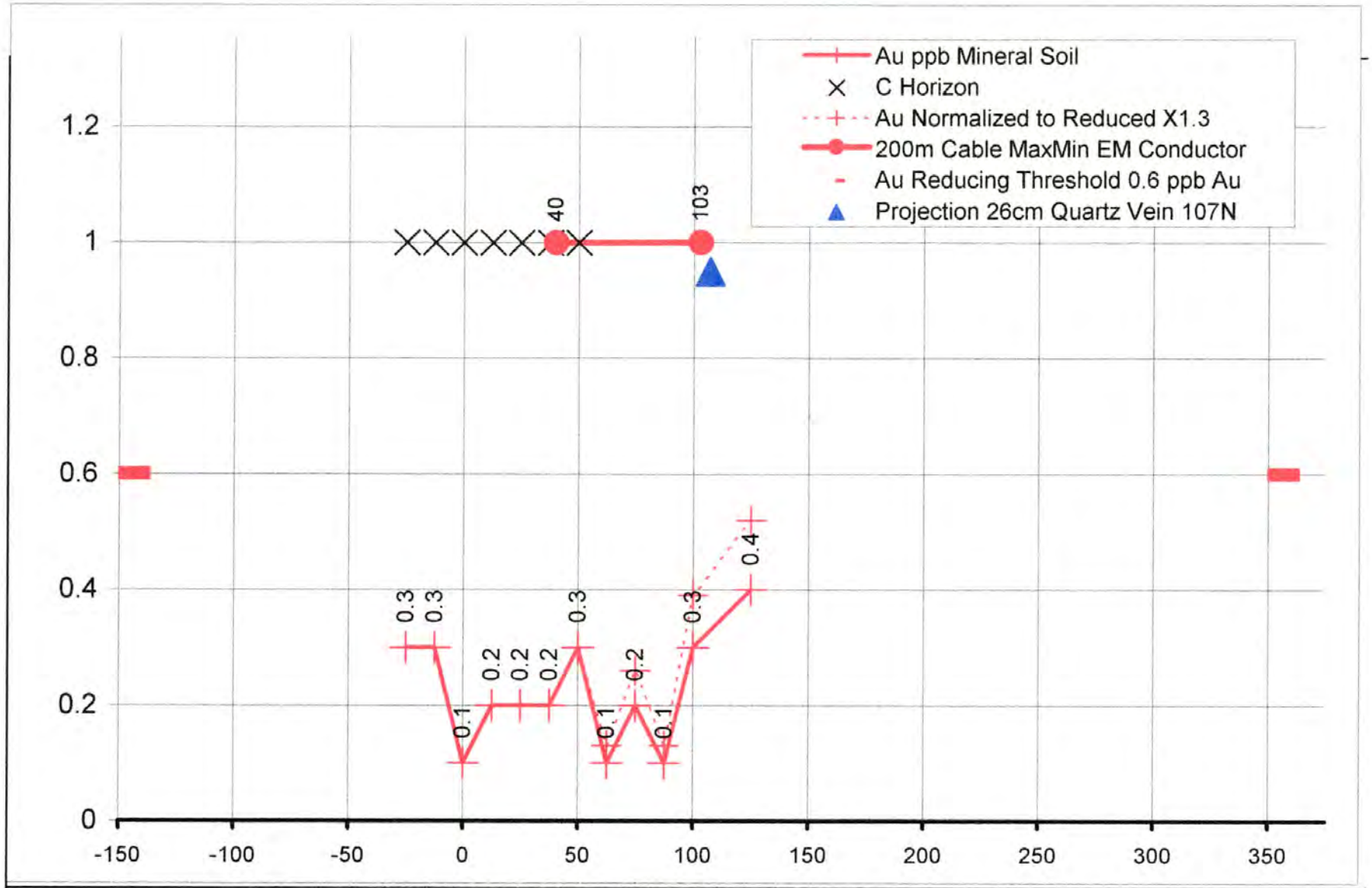
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 2500E 1 cm = 25 m
Samples E5278010 - 8047



Reed Robinson Property - Eby Otto Tp Property November 2012
Line 2500E 1 cm = 25 m
Samples E5278010 - 8047



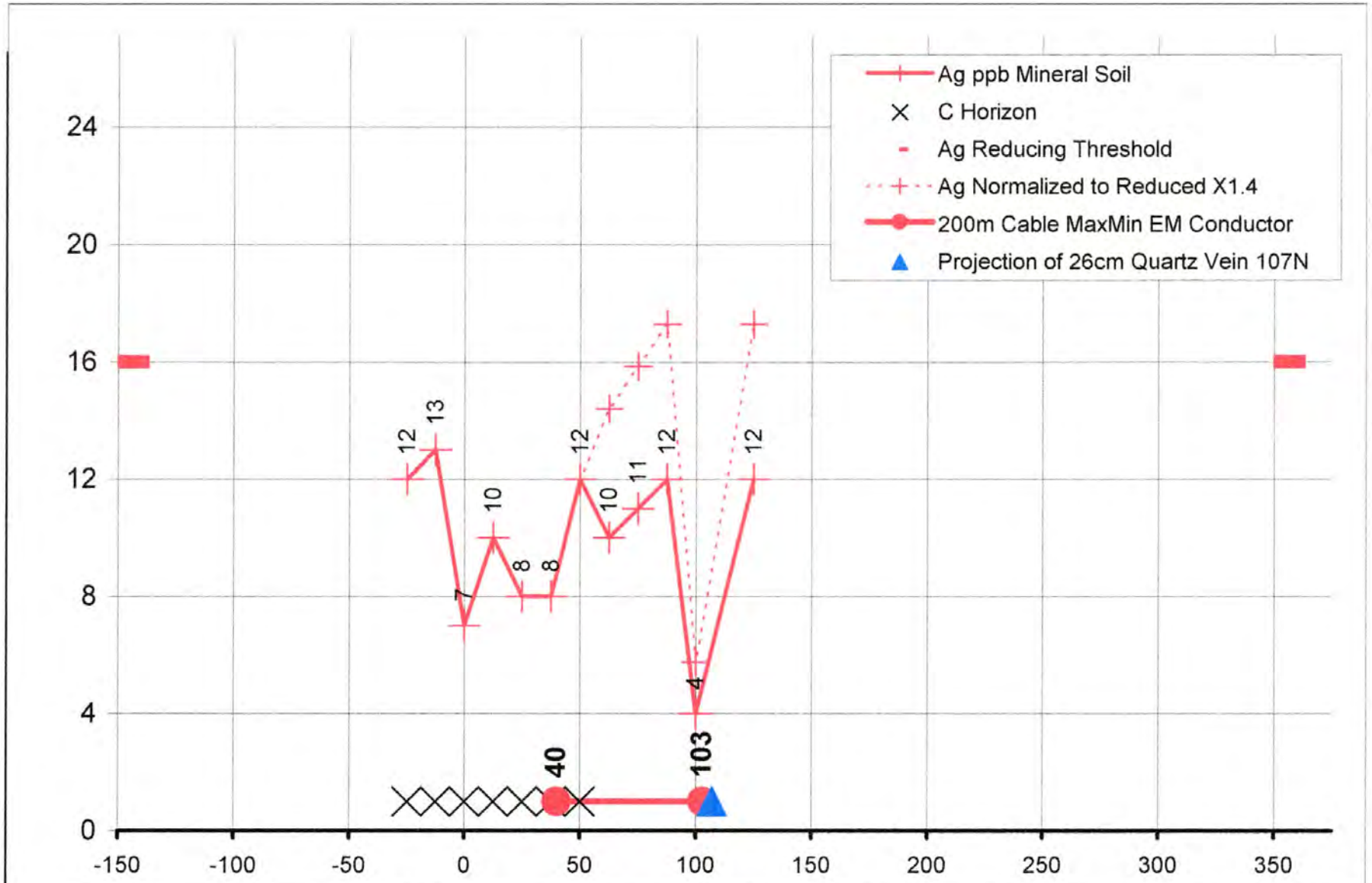
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 2500E 1 cm = 25 m
Samples E5278010 - 8047



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 3800

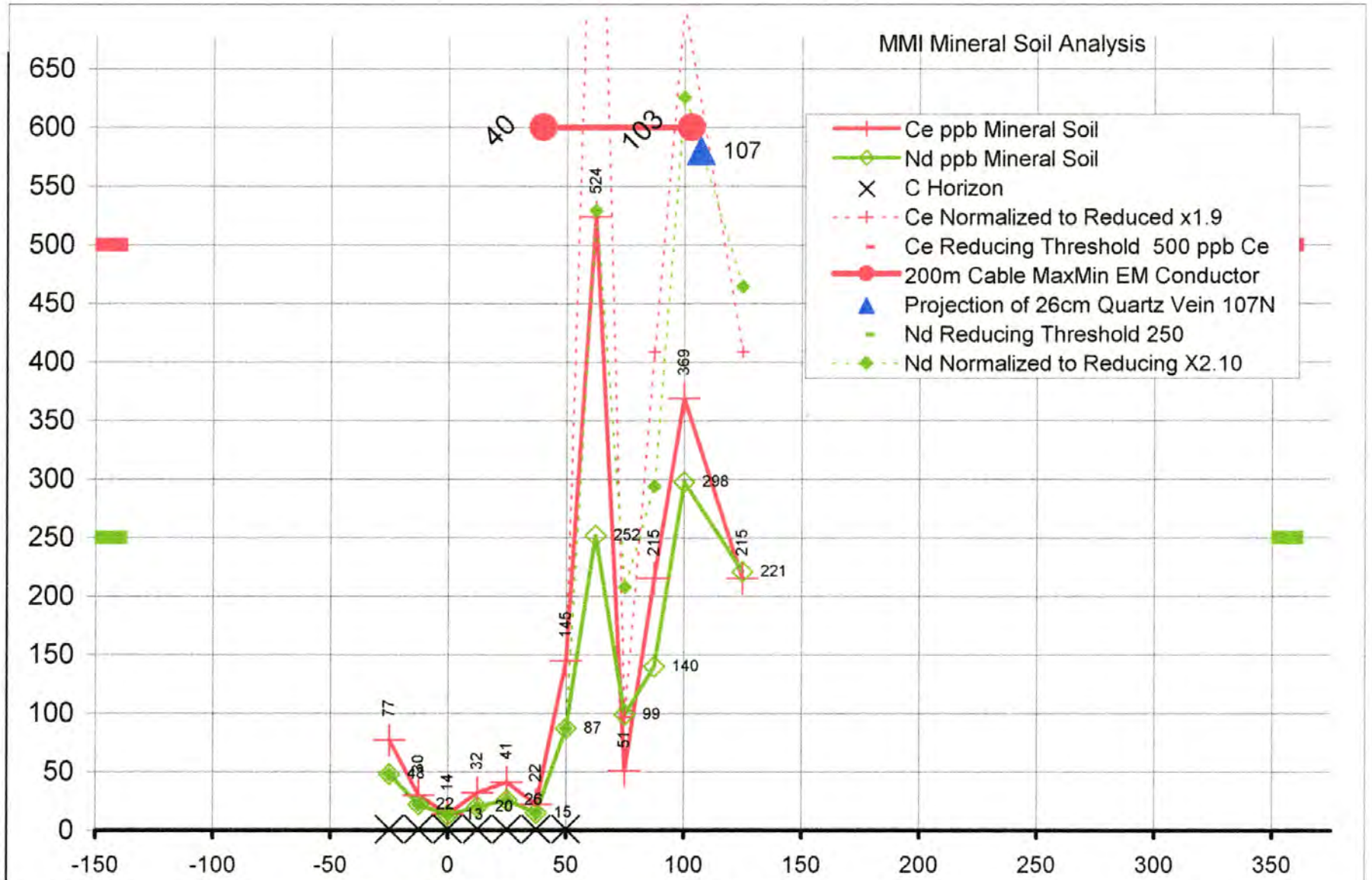
1 cm = 25 m Samples E527**7142 - 7153**



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 3800

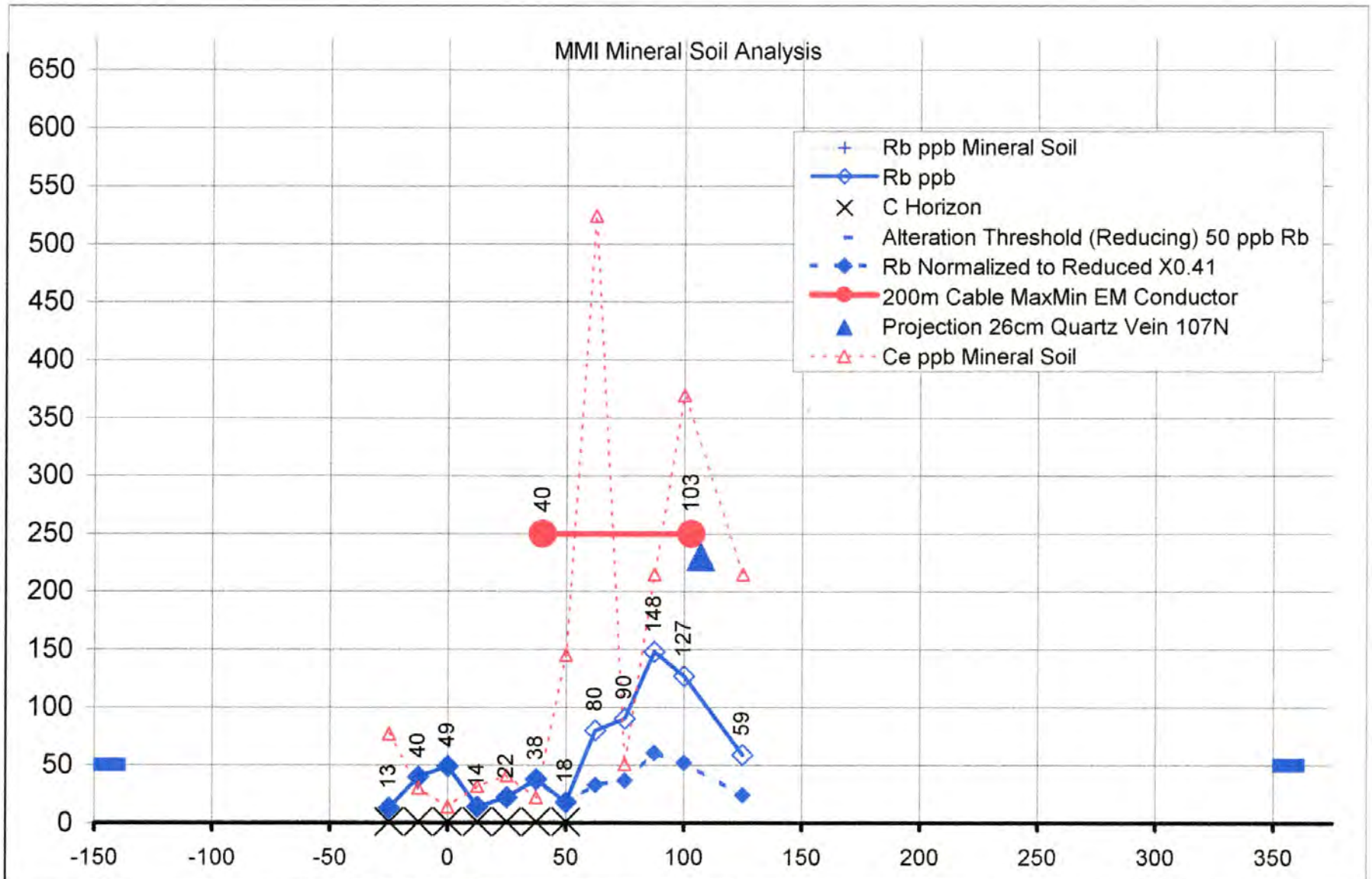
1 cm = 25 m Samples E5277142 - 7153



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 3800

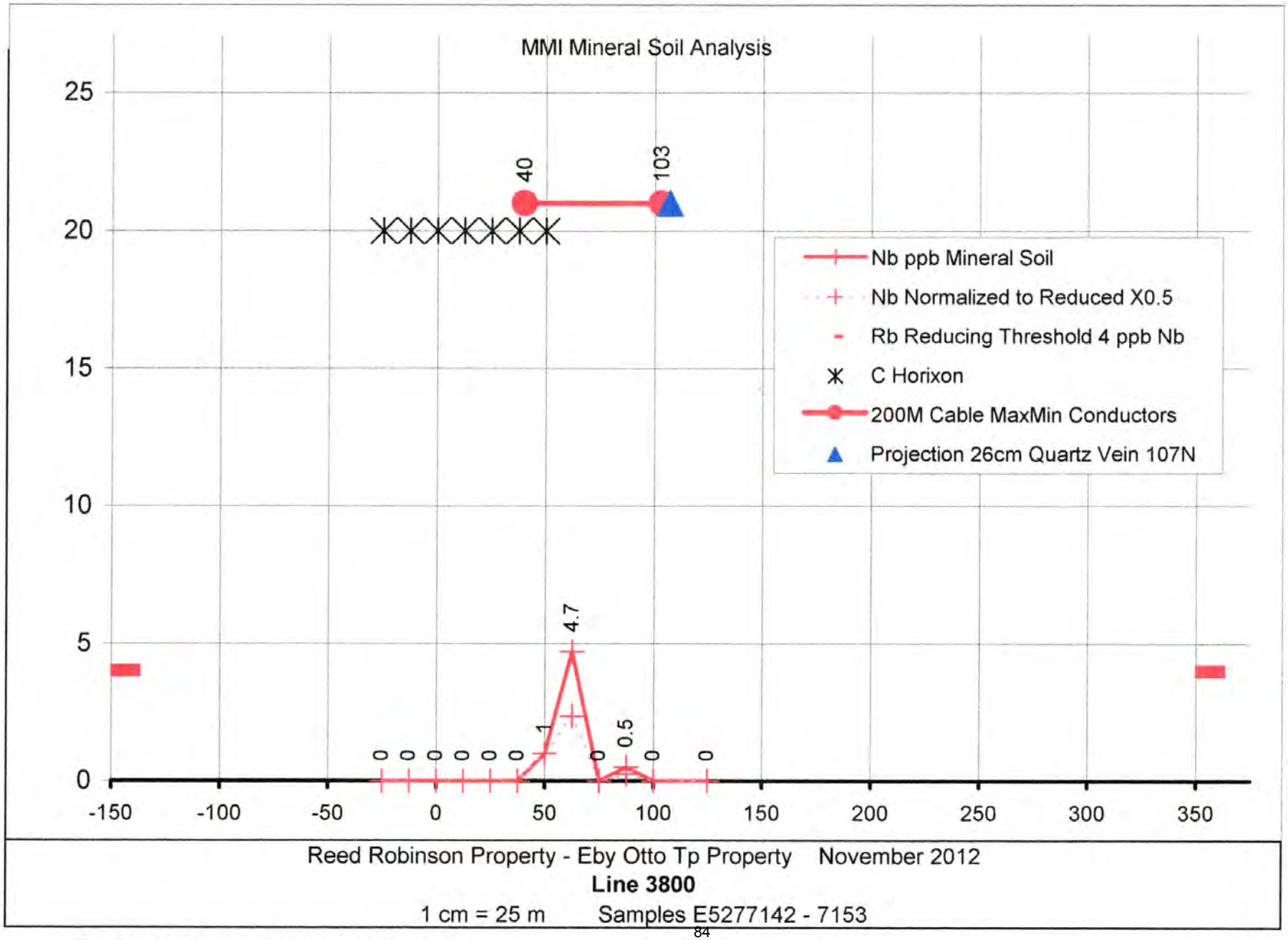
1 cm = 25 m Samples E5277142 - 7153



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 3800

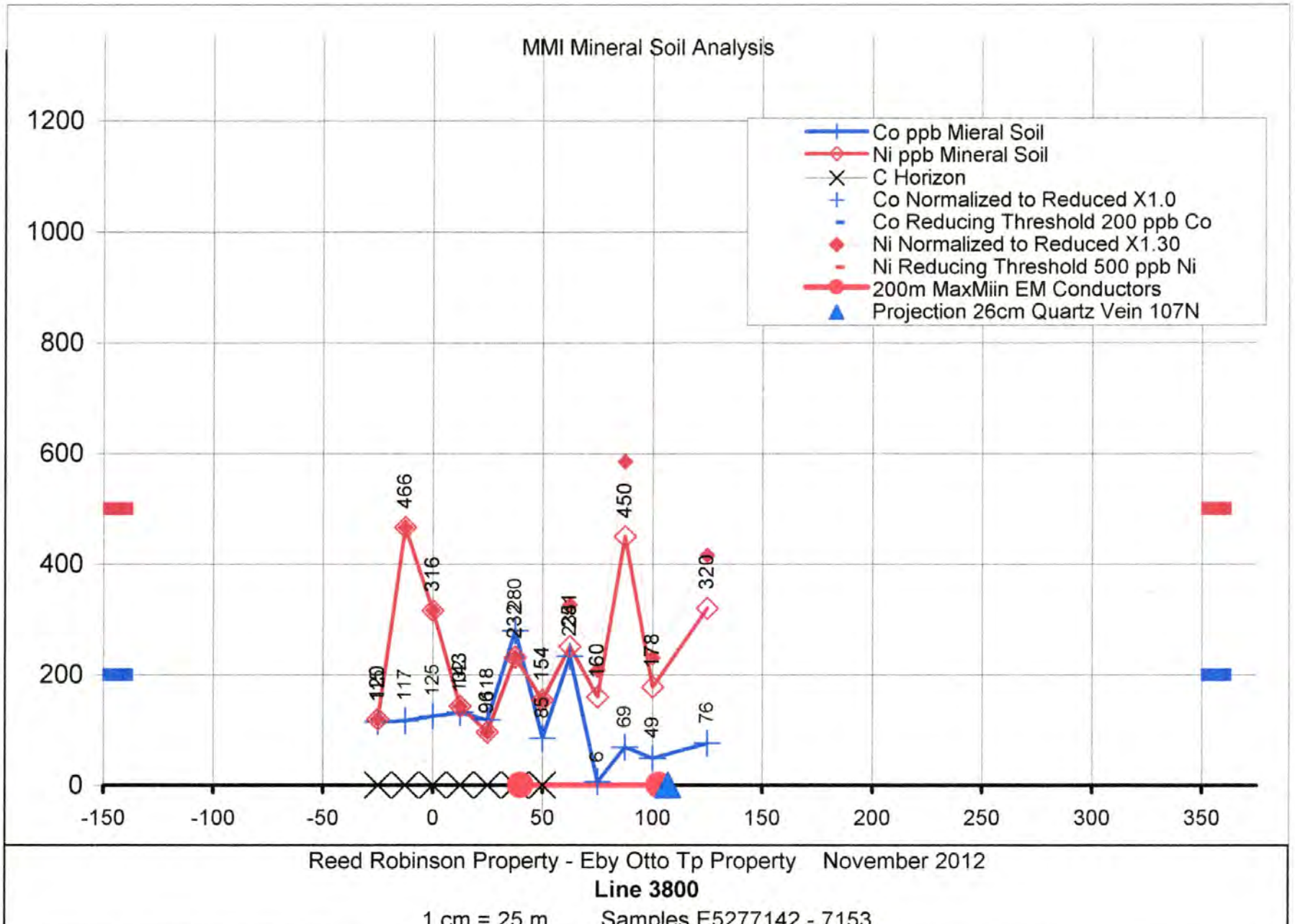
1 cm = 25 m Samples E5277142 - 7153



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 3800

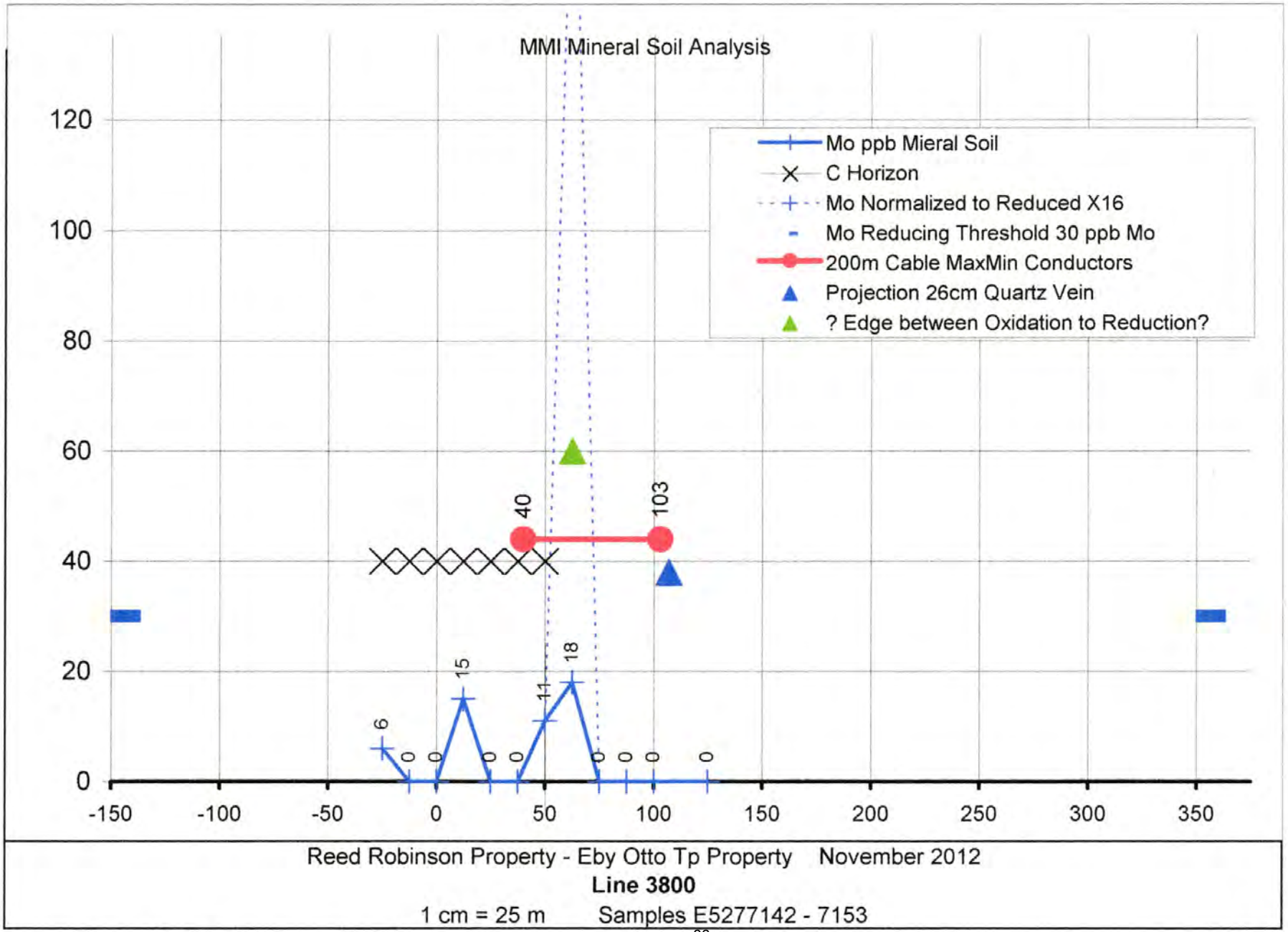
1 cm = 25 m Samples E5277142 - 7153



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 3800

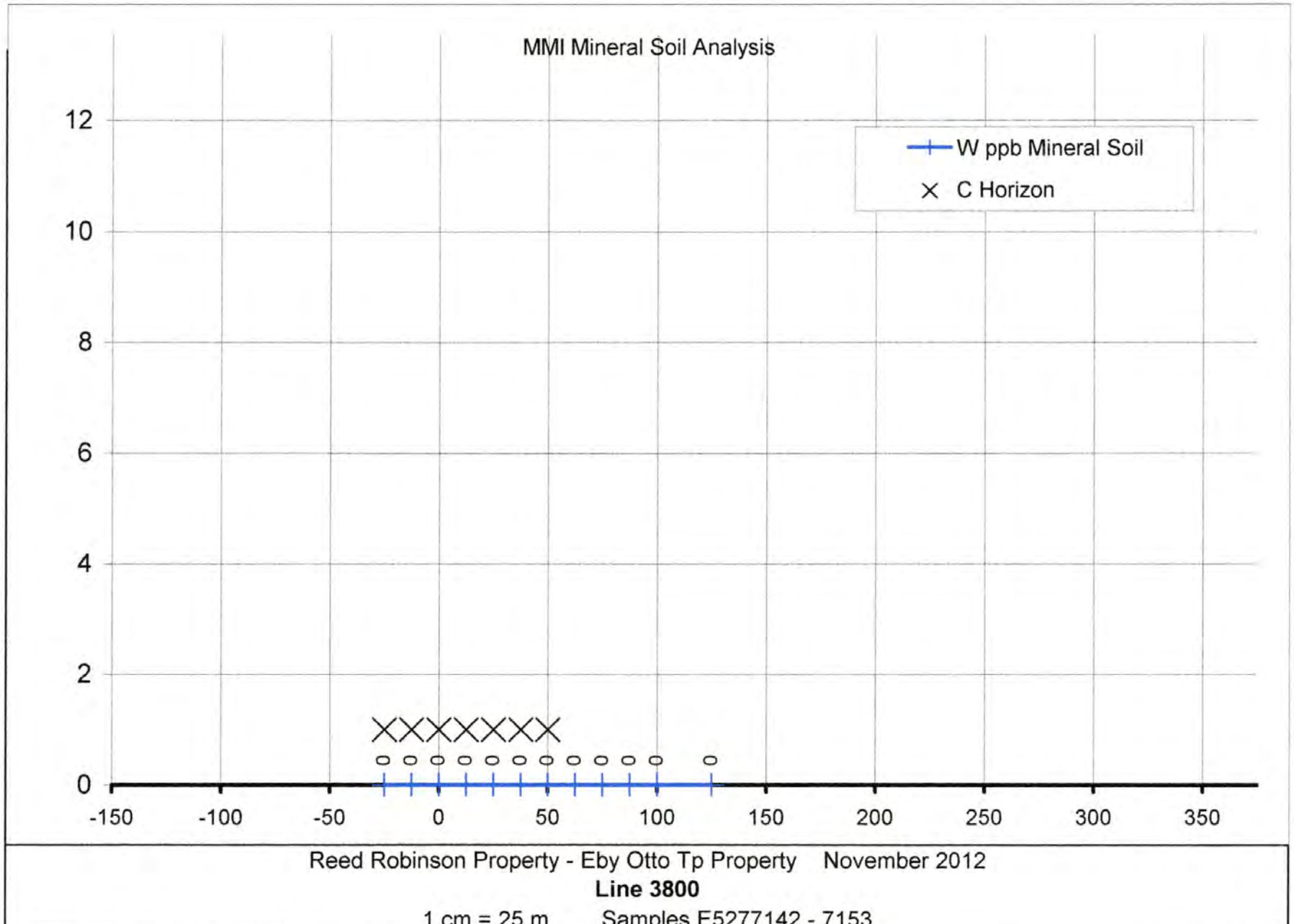
1 cm = 25 m Samples E5277142 - 7153



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 3800

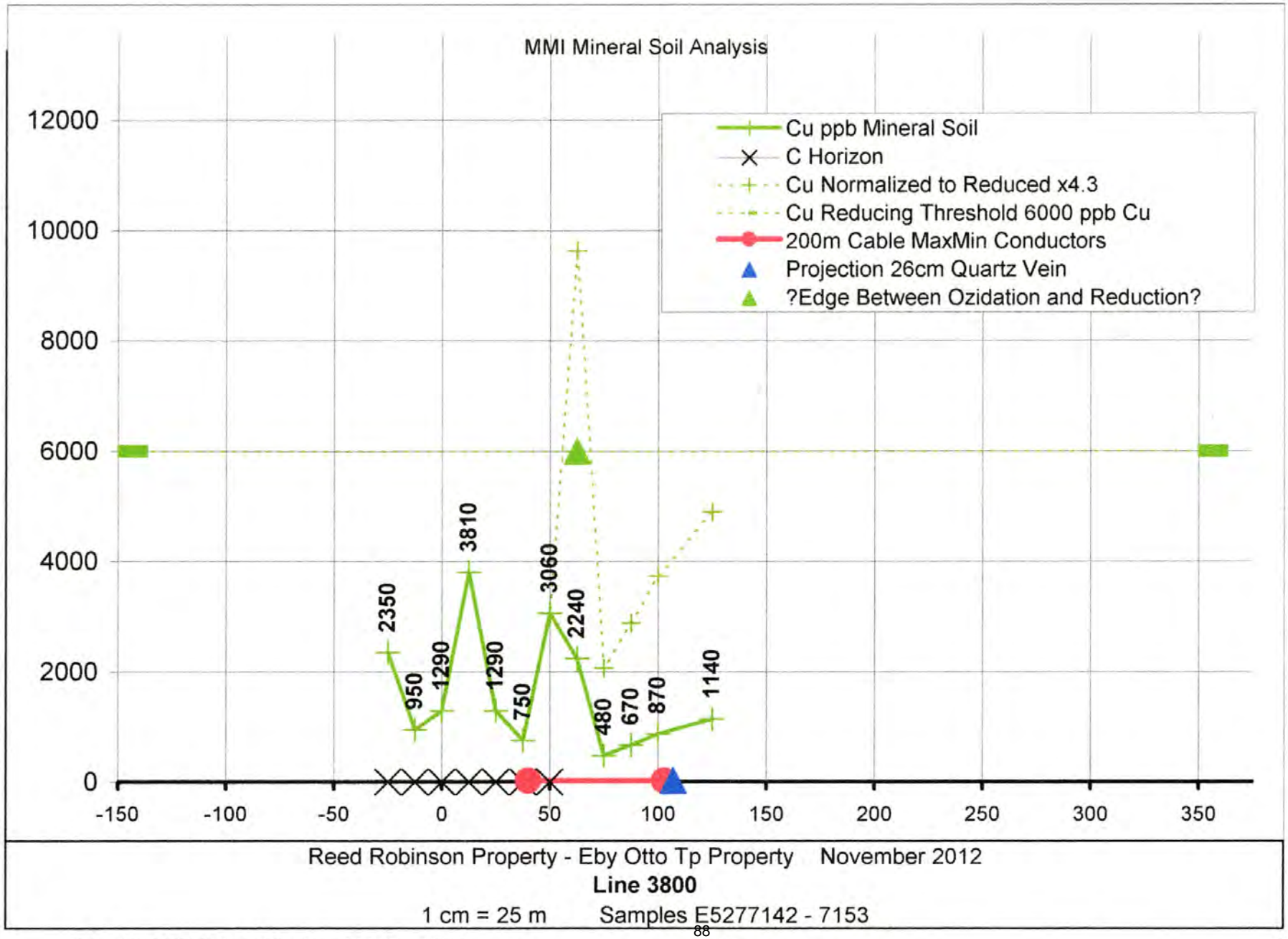
1 cm = 25 m Samples E5277142 - 7153

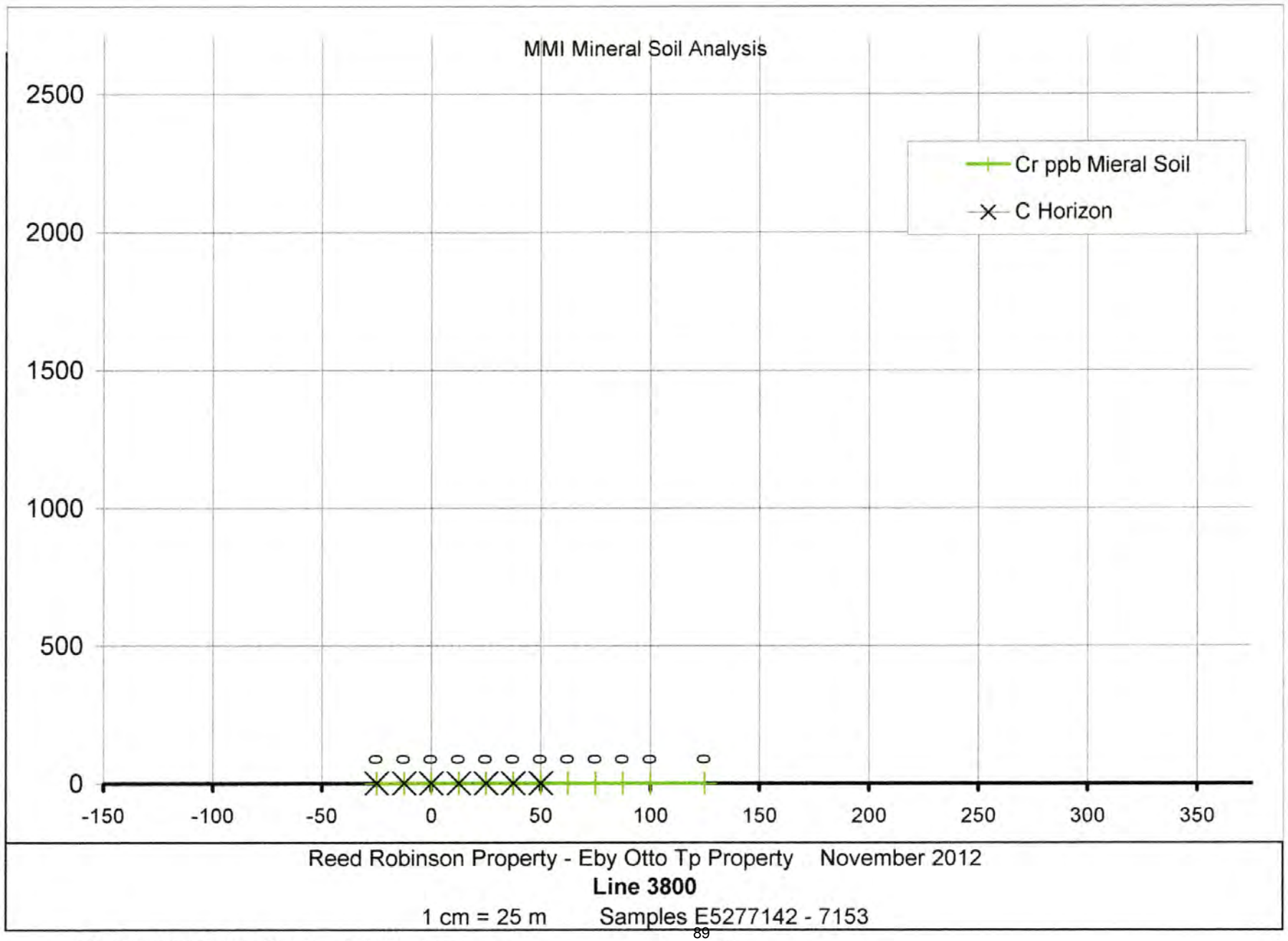


Reed Robinson Property - Eby Otto Tp Property November 2012

Line 3800

1 cm = 25 m Samples E5277142 - 7153

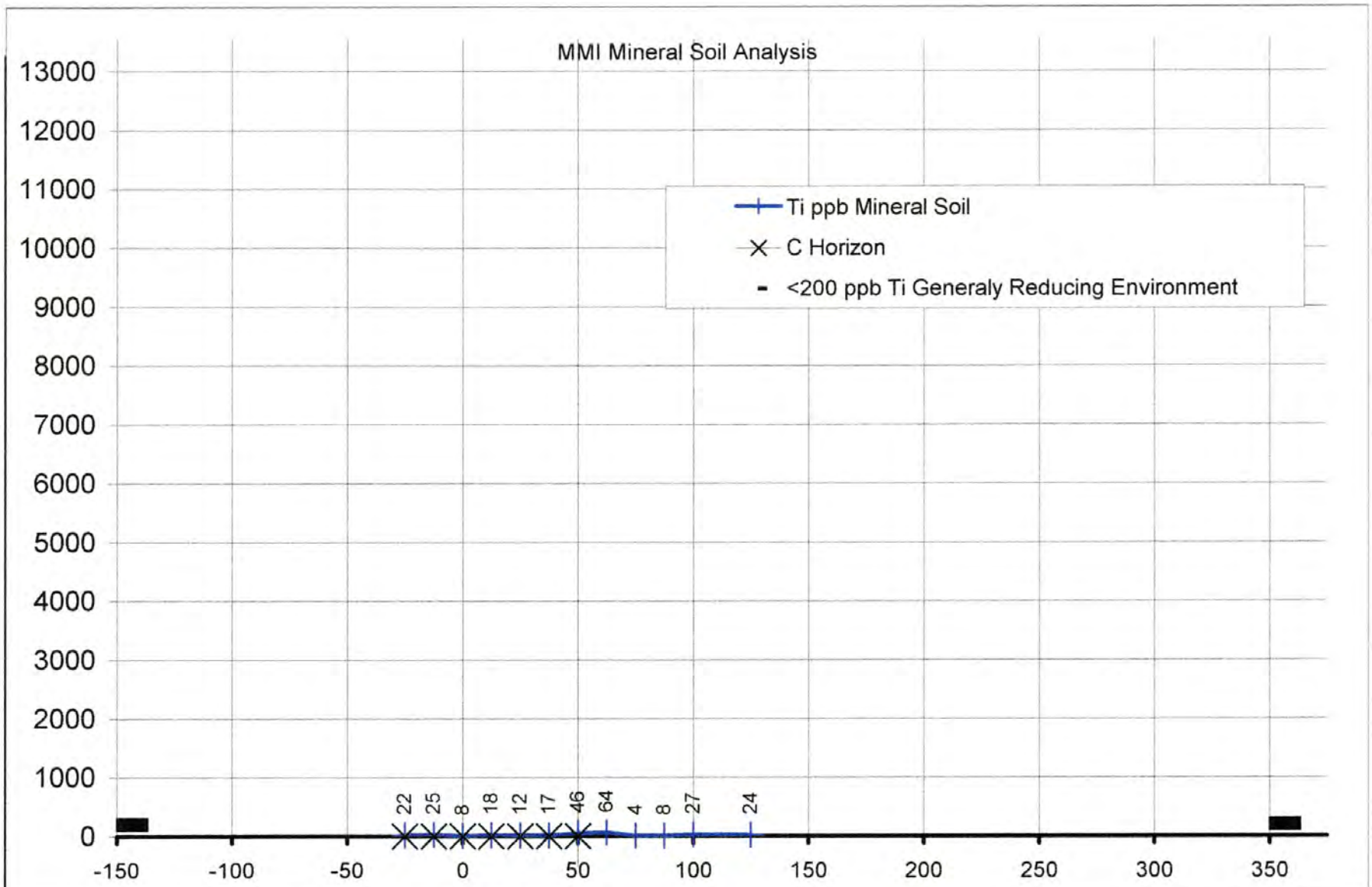

MMI Mineral Soil Analysis
Cu ppb Mineral Soil
C Horizon
Cu Normalized to Reduced x4.3
Cu Reducing Threshold 6000 ppb Cu
200m Cable MaxMin Conductors
Projection 26cm Quartz Vein
?Edge Between Ozidation and Reduction?
12000
10000
8000
6000
4000
2000
0
-150
-100
-50
0
50
100
150
200
250
300
350
2350
950
1290
3810
1290
750
3060
2240
480
670
870
1140
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 3800
1 cm = 25 m Samples E5277142 - 7153



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 3800

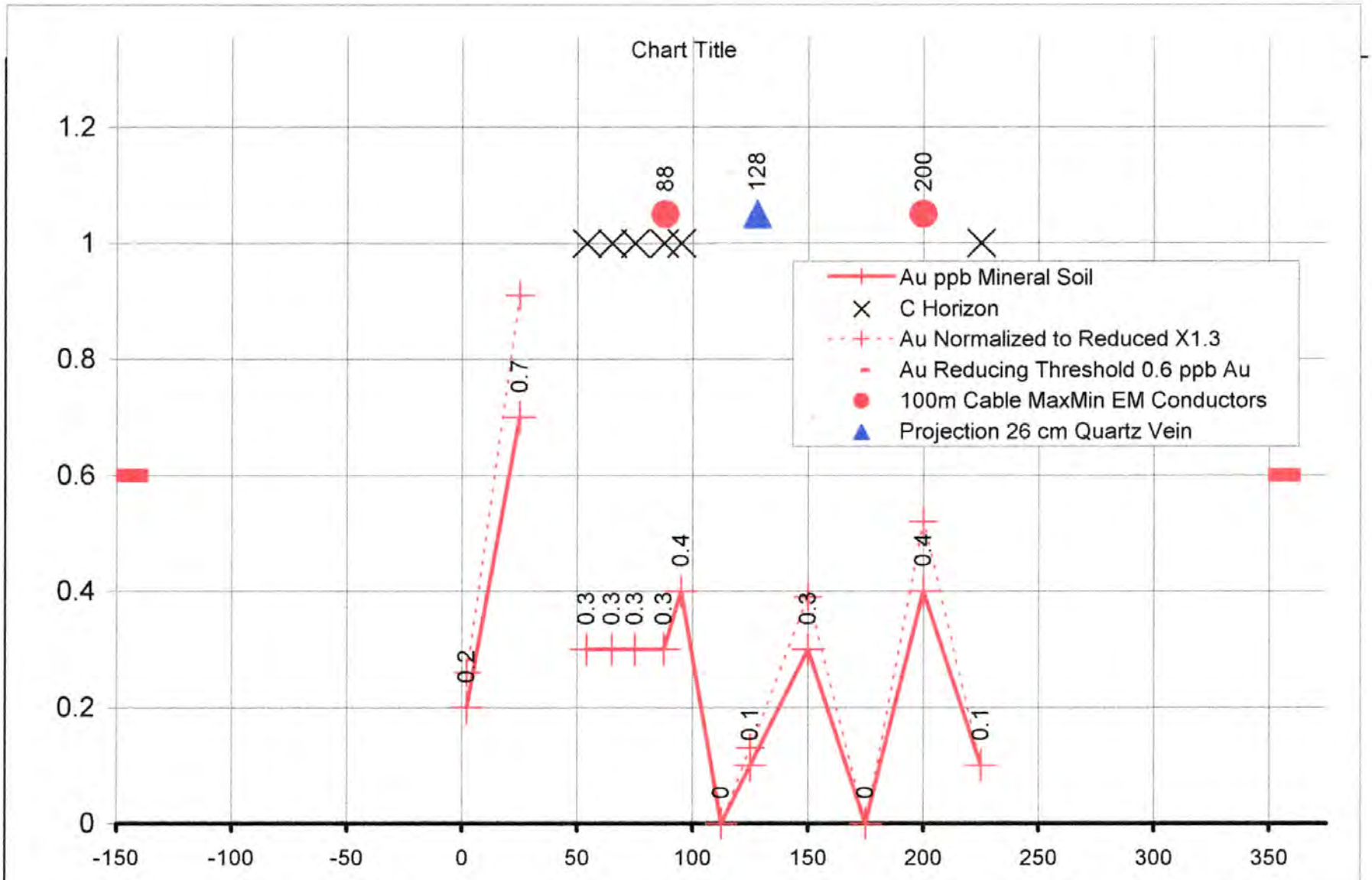
1 cm = 25 m Samples E5277142 - 7153



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 3800

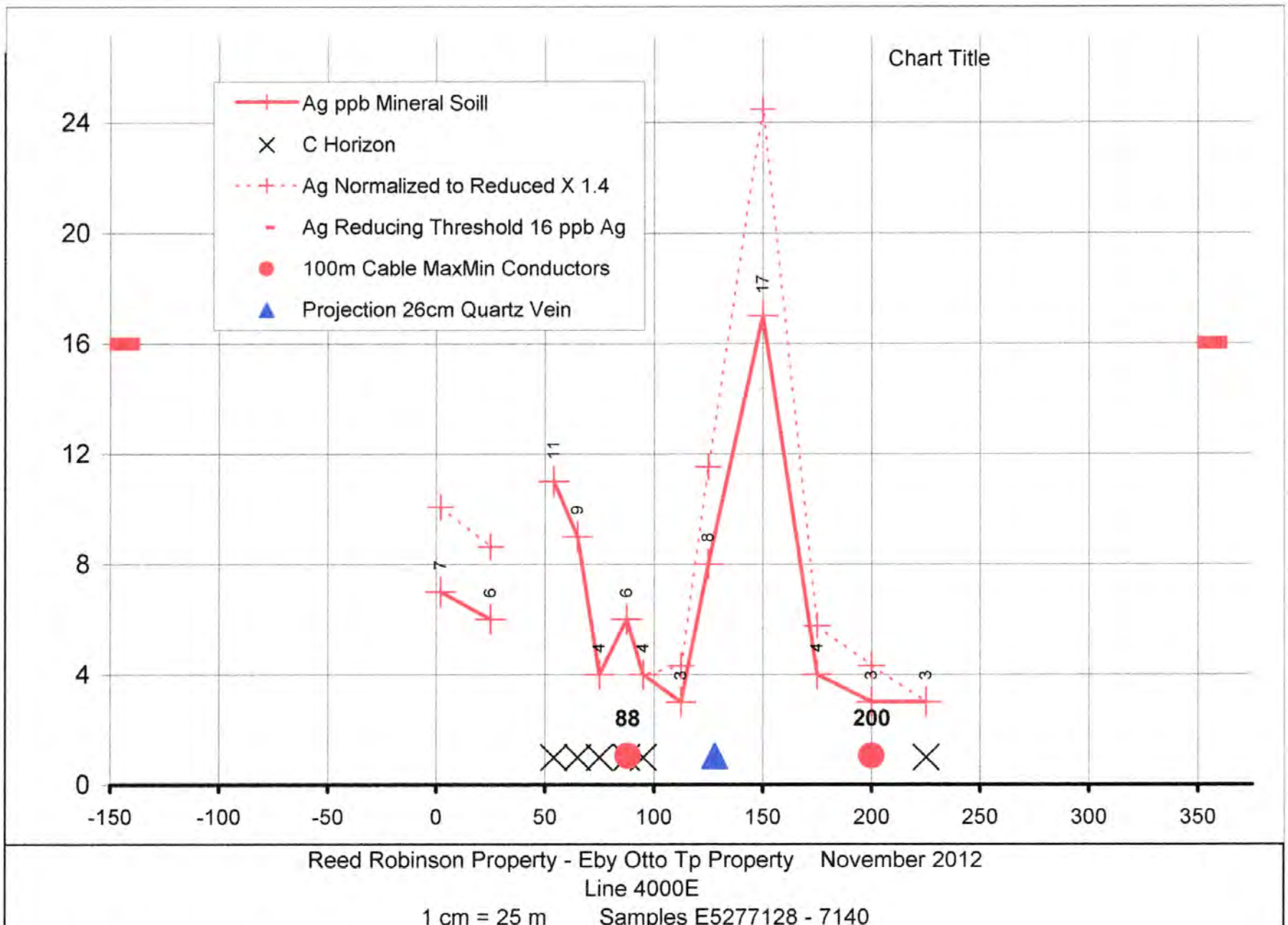
1 cm = 25 m Samples E5277142 - 7153

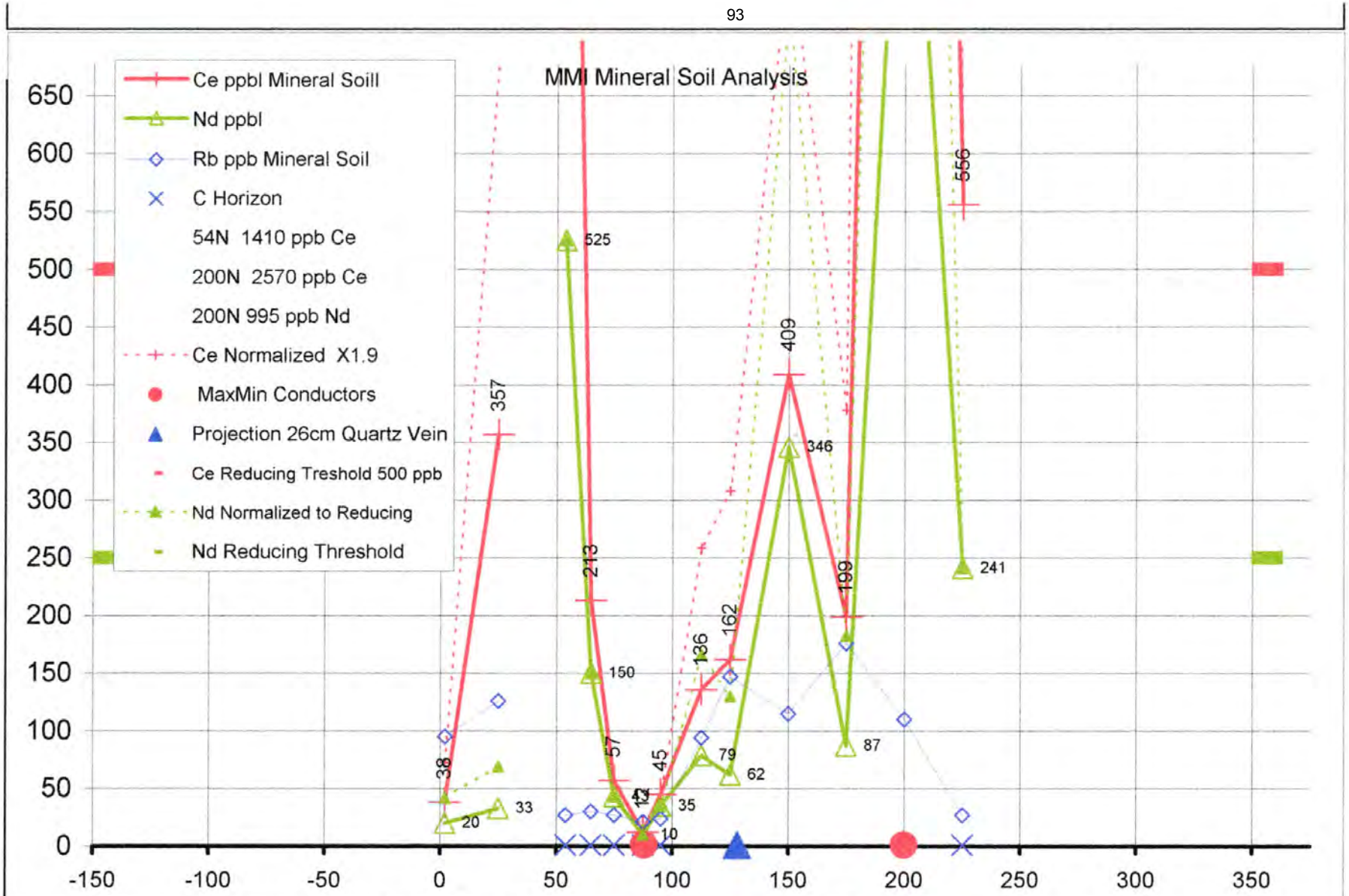


Reed Robinson Property - Eby Otto Tp Property November 2012

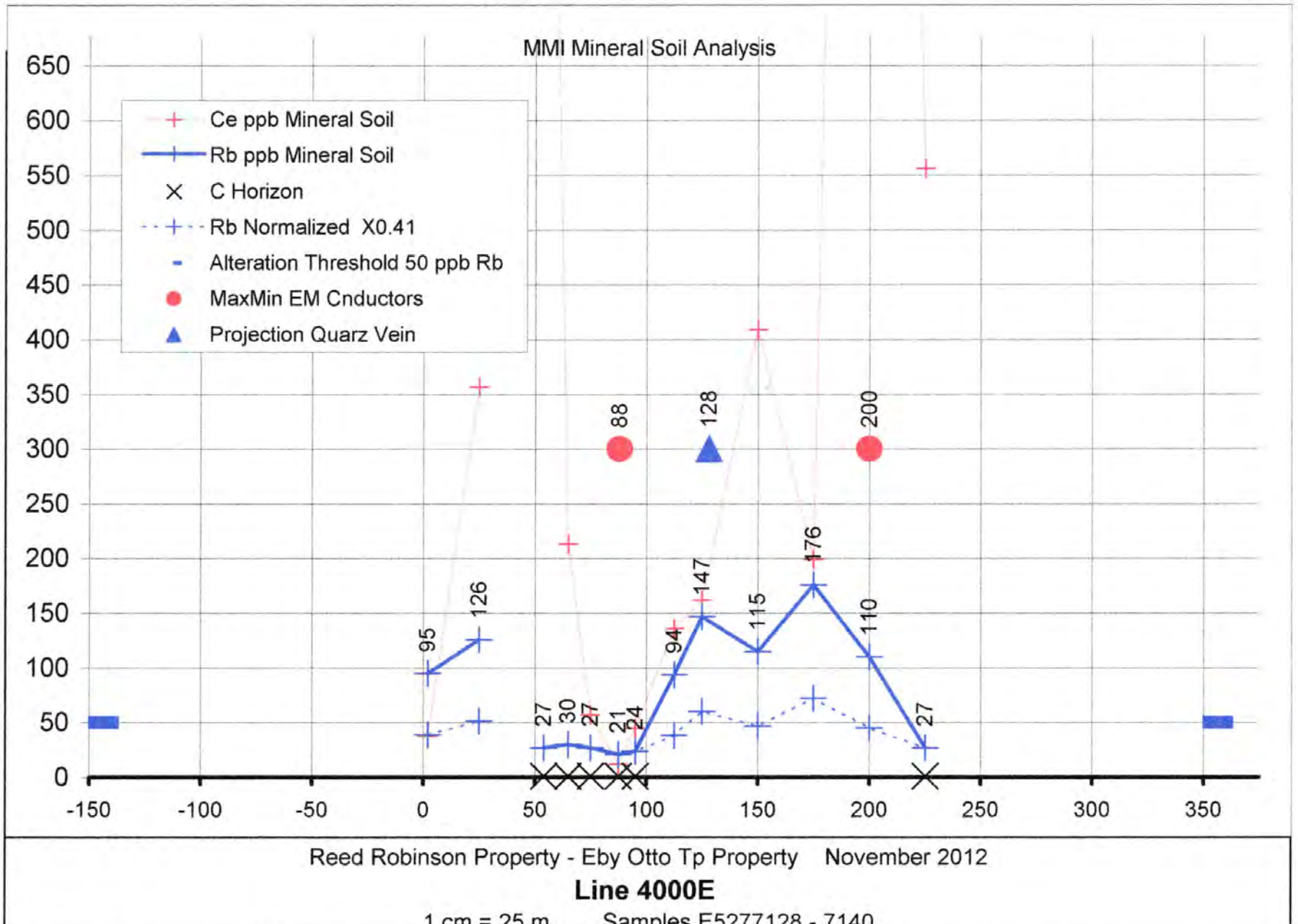
Line 4000E

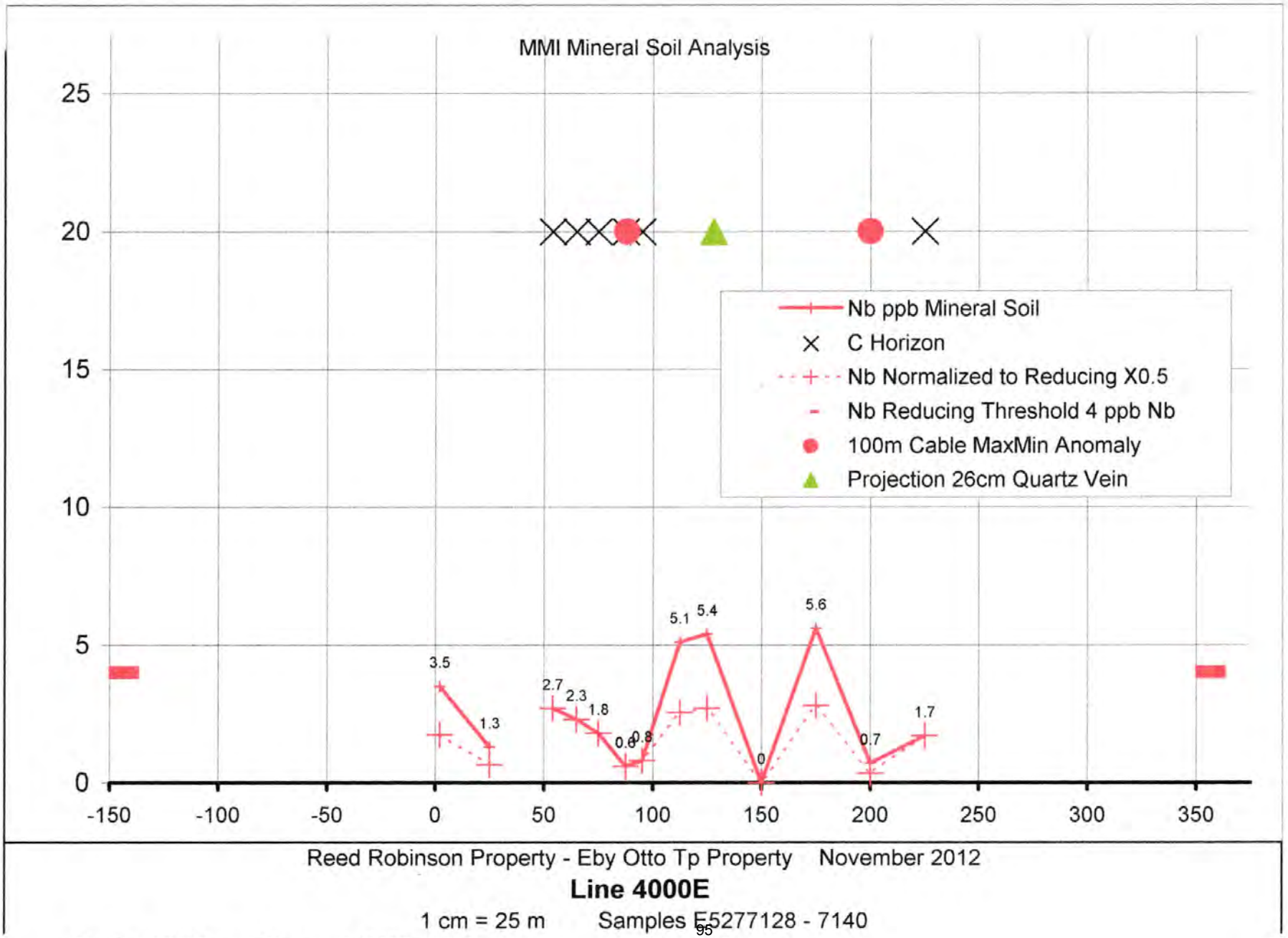
1 cm = 25 m Samples E527**7128 - 7140**


Chart Title
Ag ppb Mineral Soill
C Horizon
Ag Normalized to Reduced X 1.4
Ag Reducing Threshold 16 ppb Ag
100m Cable MaxMin Conductors
Projection 26cm Quartz Vein
24
20
16
12
8
4
0
-150
-100
-50
0
50
100
150
200
250
300
350
88
200
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 4000E
1 cm = 25 m Samples E5277128 - 7140



Reed Robinson Property - Eby Otto Tp Property November 2012
Line 4000E
1 cm = 25 m Samples E5277128 - 7140

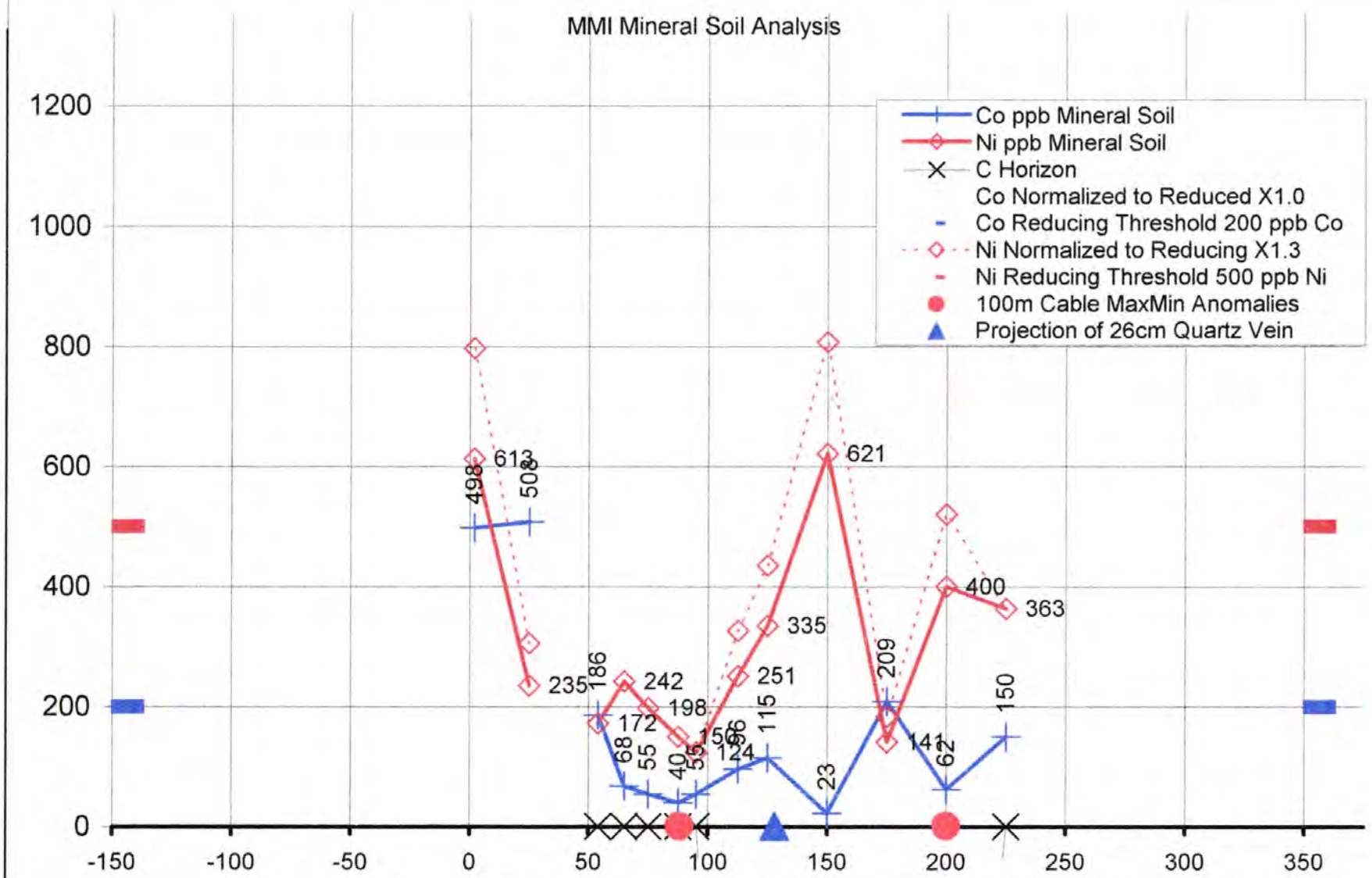

MMI Mineral Soil Analysis
Ce ppb Mineral Soil
Rb ppb Mineral Soil
C Horizon
Rb Normalized X0.41
Alteration Threshold 50 ppb Rb
MaxMin EM Cnductors
Projection Quarz Vein
650
600
550
500
450
400
350
300
250
200
150
100
50
0
-150
-100
-50
0
50
100
150
200
250
300
350
88
128
200
95
126
27
30
27
21
24
94
147
115
176
110
27
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 4000E
1 cm = 25 m Samples E5277128 - 7140



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 4000E

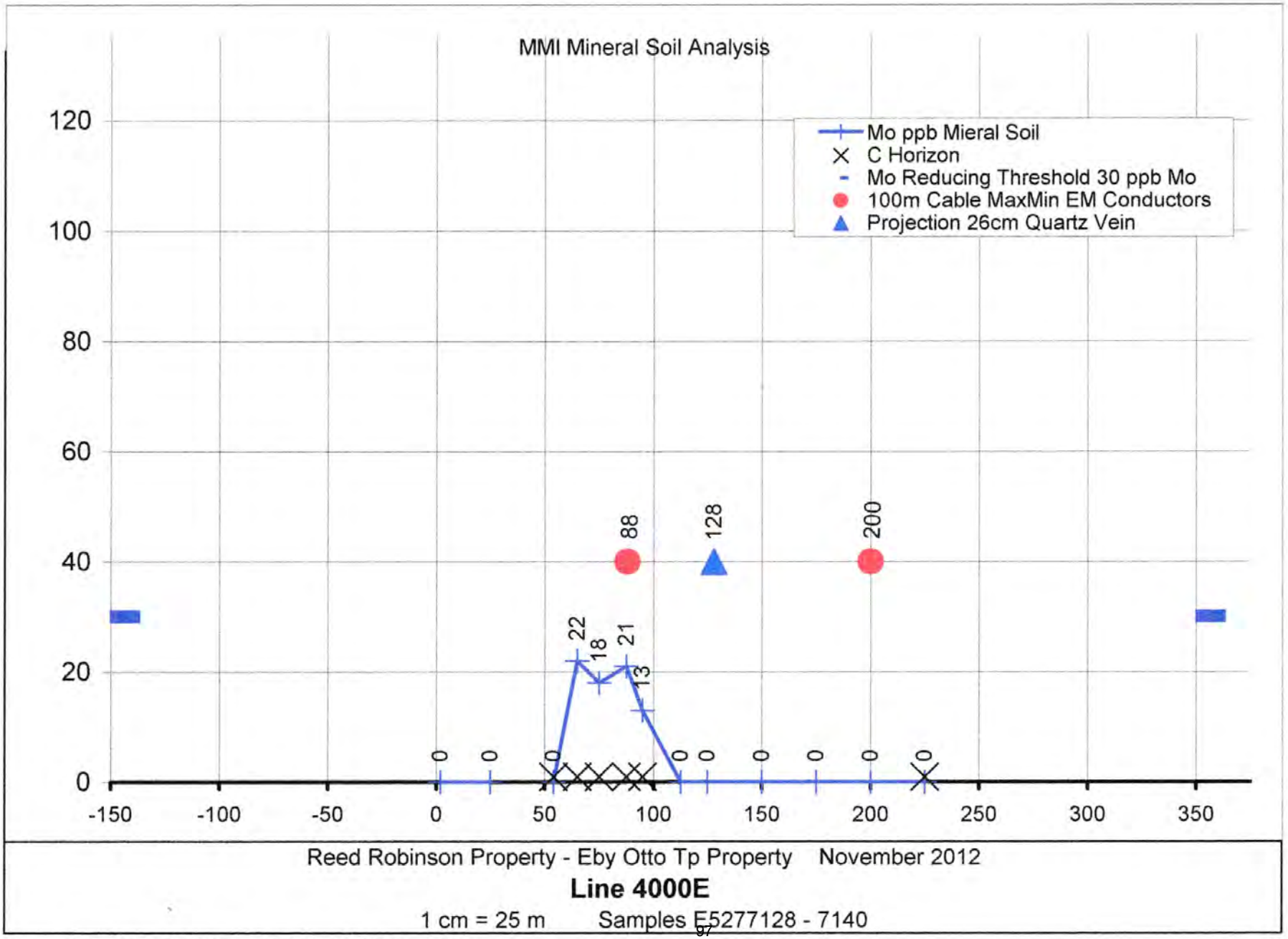
1 cm = 25 m Samples E5277128 - 7140

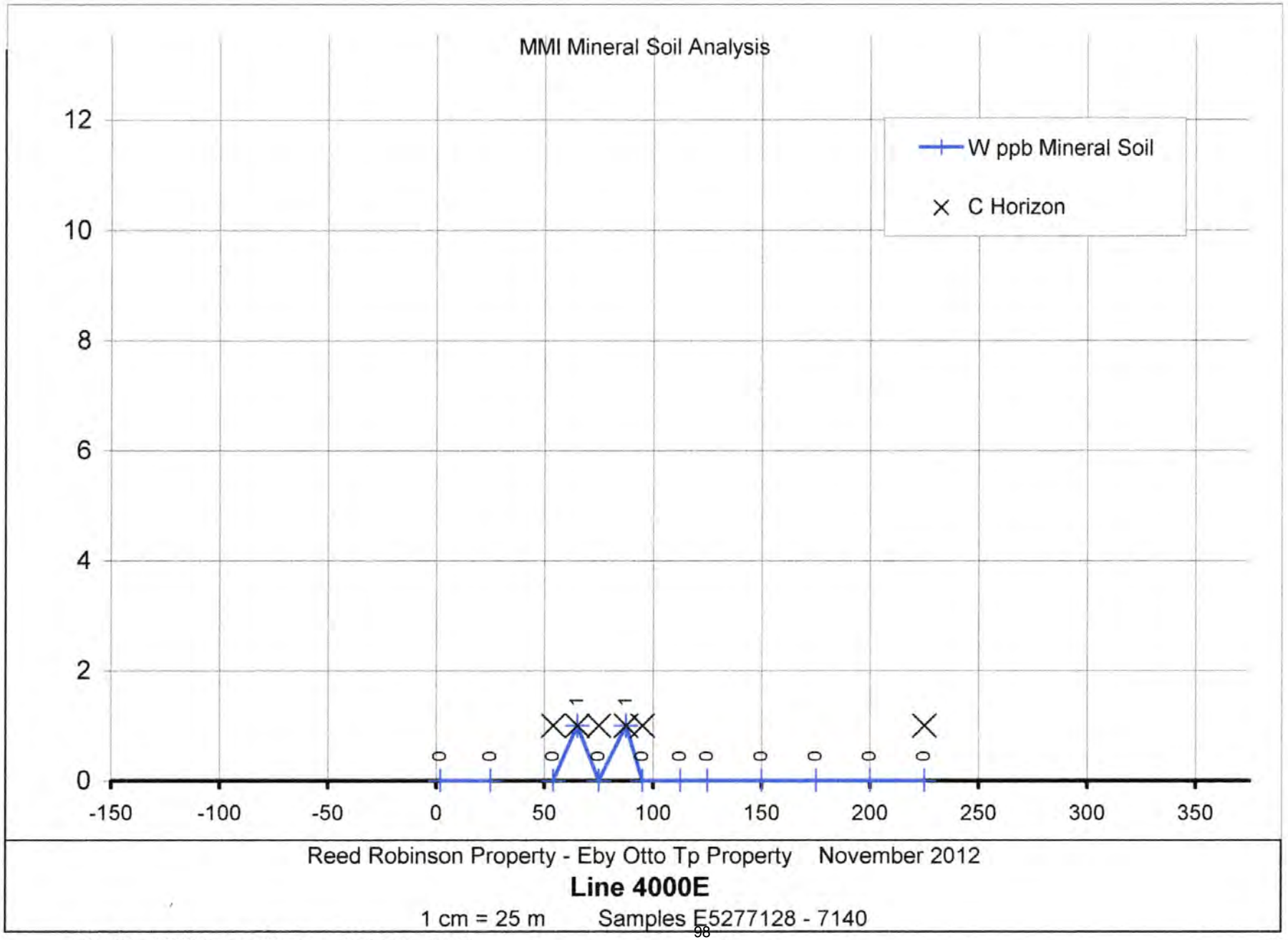


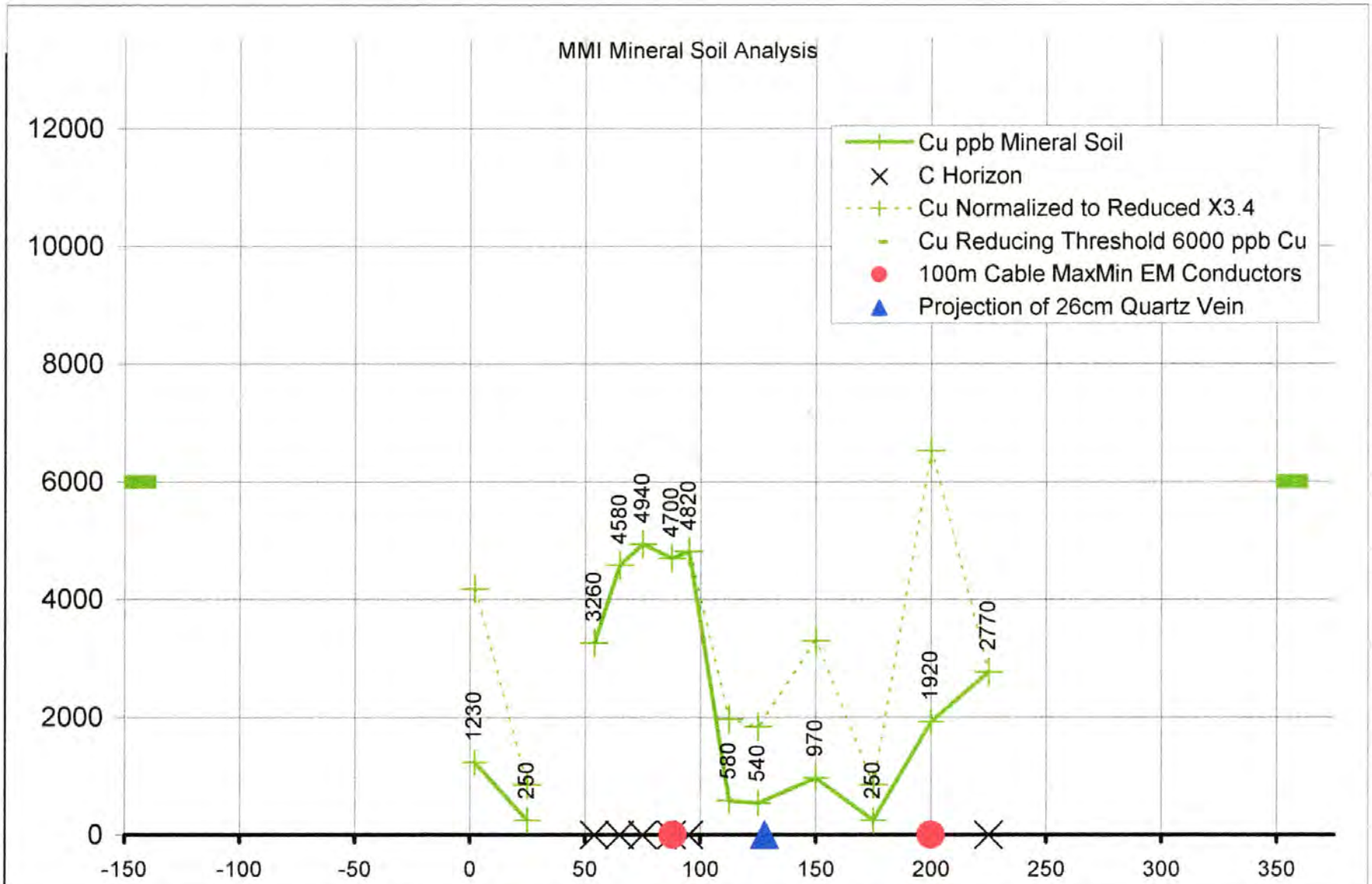
Reed Robinson Property - Eby Otto Tp Property November 2012

Line 4000E

1 cm = 25 m Samples E5277128 - 7140


MMI Mineral Soil Analysis
Mo ppb Mieral Soil
C Horizon
Mo Reducing Threshold 30 ppb Mo
100m Cable MaxMin EM Conductors
Projection 26cm Quartz Vein
120
100
80
60
40
20
0
88
128
200
22
18
21
13
0
-150
-100
-50
0
50
100
150
200
250
300
350
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 4000E
1 cm = 25 m Samples E5277128 - 7140

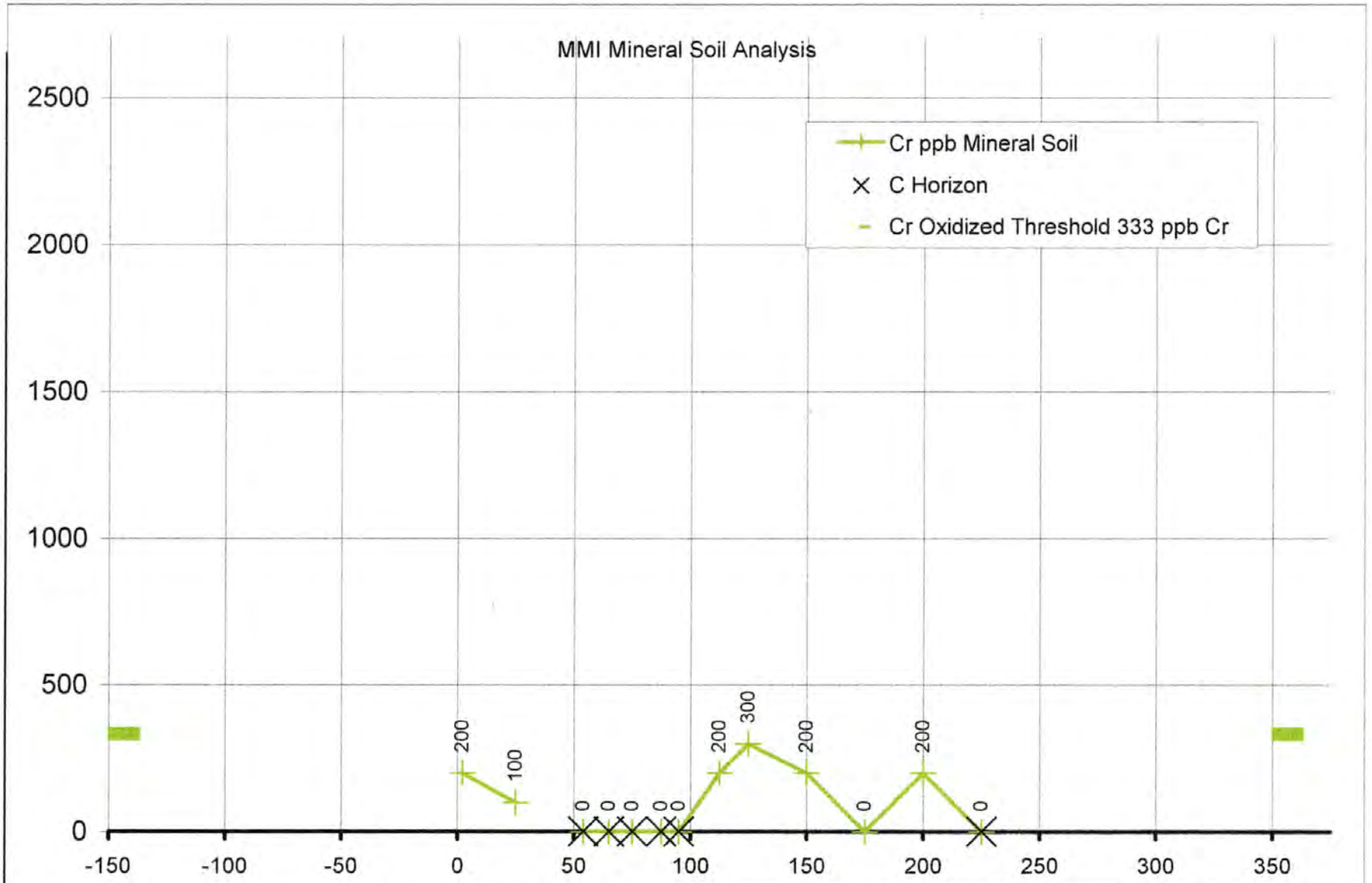

MMI Mineral Soil Analysis
W ppb Mineral Soil
C Horizon
12
10
8
6
4
2
0
-150
-100
-50
0
50
100
150
200
250
300
350
1
1
0
0
0
0
0
0
0
0
0
0
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 4000E
1 cm = 25 m
Samples E5277128 - 7140



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 4000E

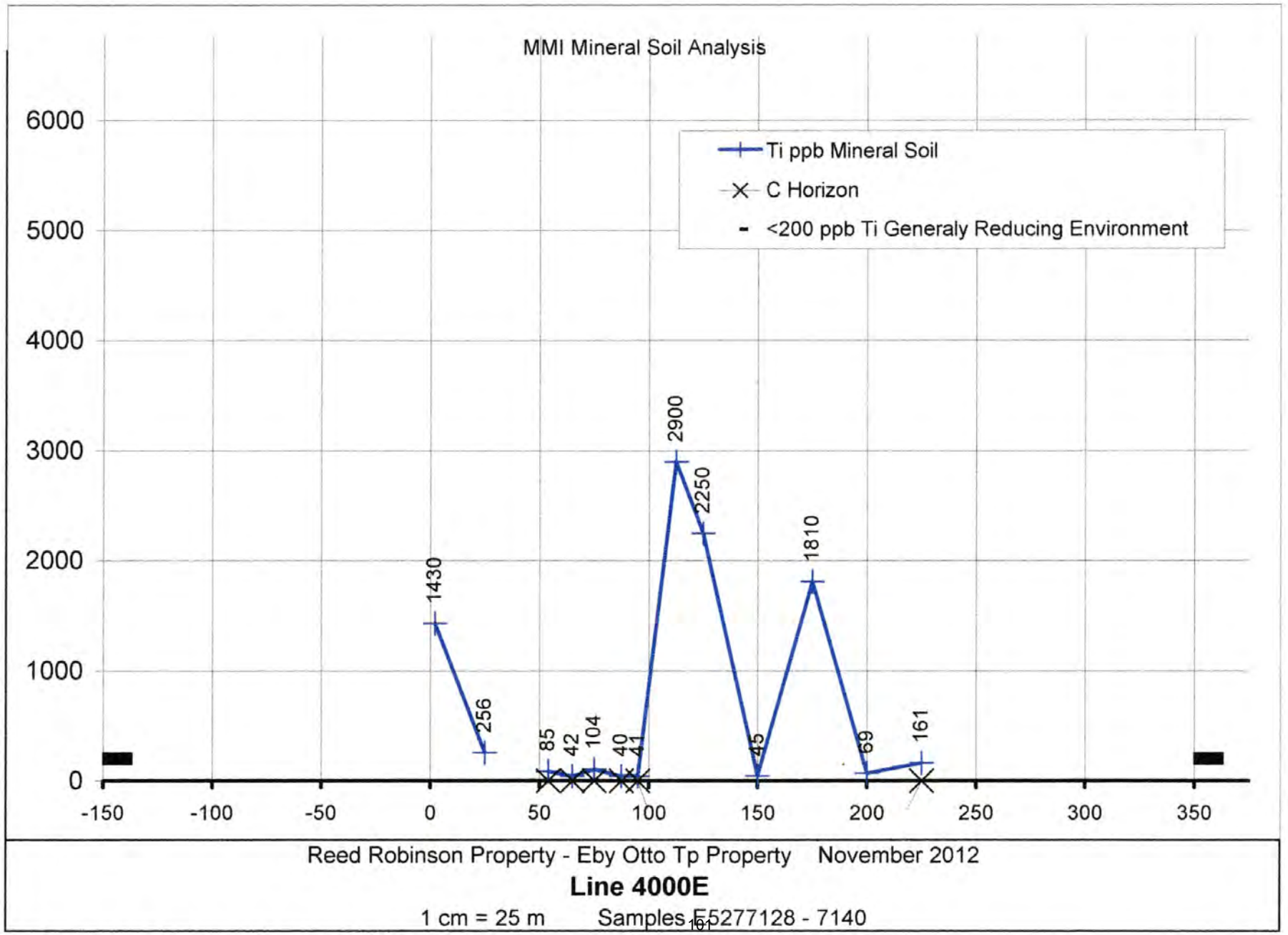
1 cm = 25 m Samples E5277128 - 7140

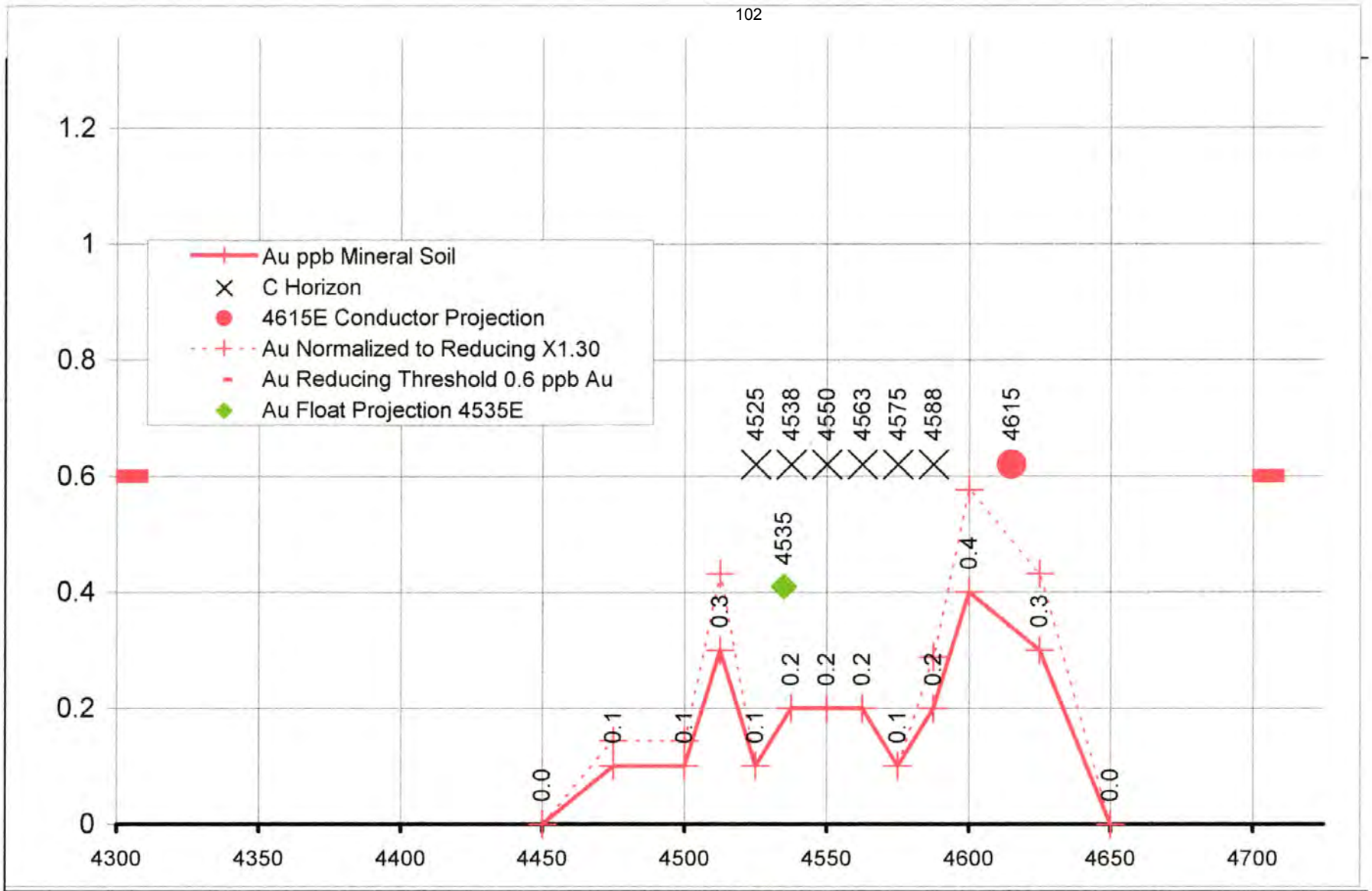


Reed Robinson Property - Eby Otto Tp Property November 2012

Line 4000E

1 cm = 25 m Samples E5277128 - 7140

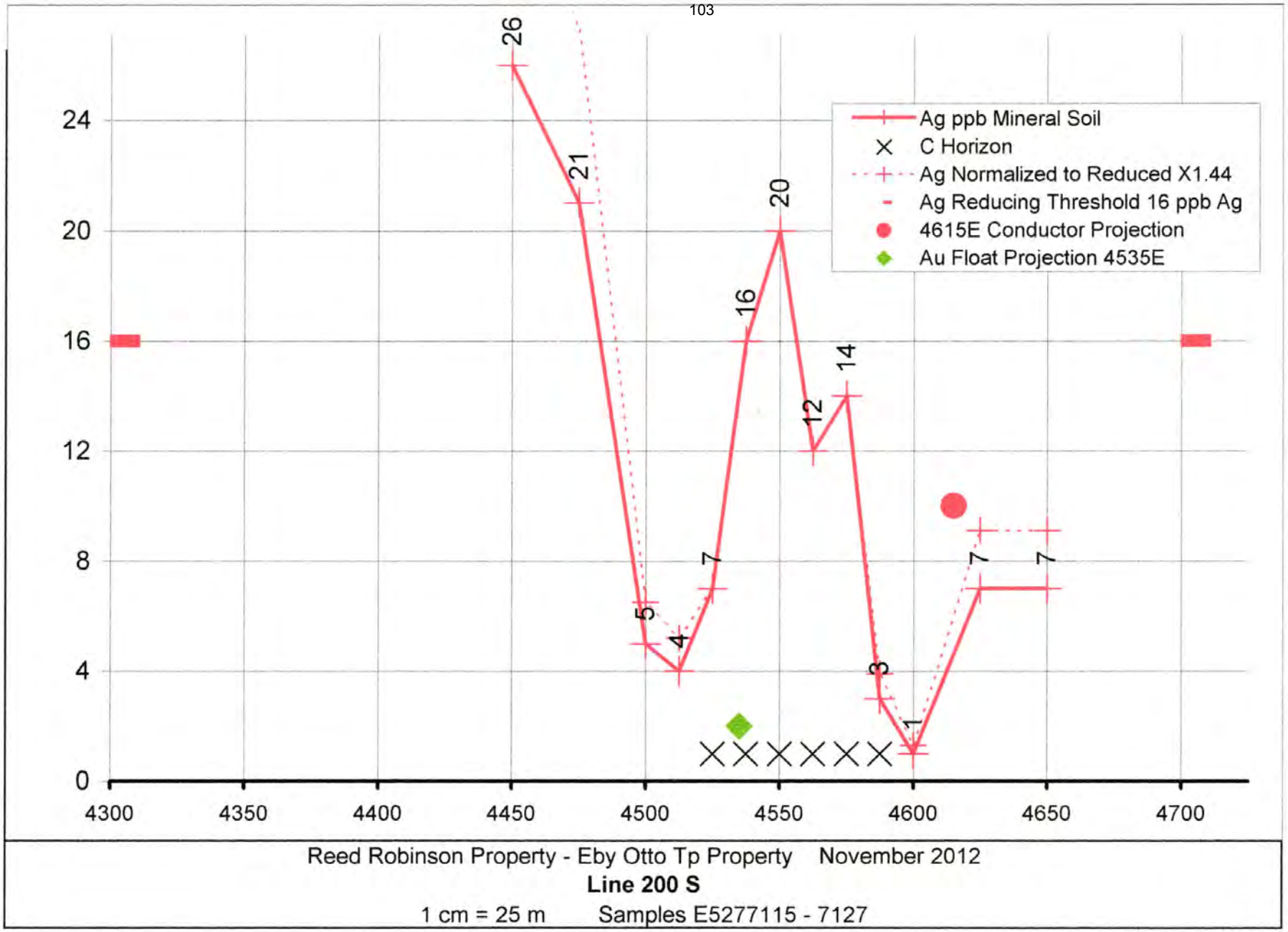

MMI Mineral Soil Analysis
Ti ppb Mineral Soil
C Horizon
<200 ppb Ti Generaly Reducing Environment
6000
5000
4000
3000
2000
1000
0
-150
-100
-50
0
50
100
150
200
250
300
350
1430
256
85
42
104
40
41
2900
2250
45
1810
69
161
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 4000E
1 cm = 25 m
Samples E5277128 - 7140



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 200 S

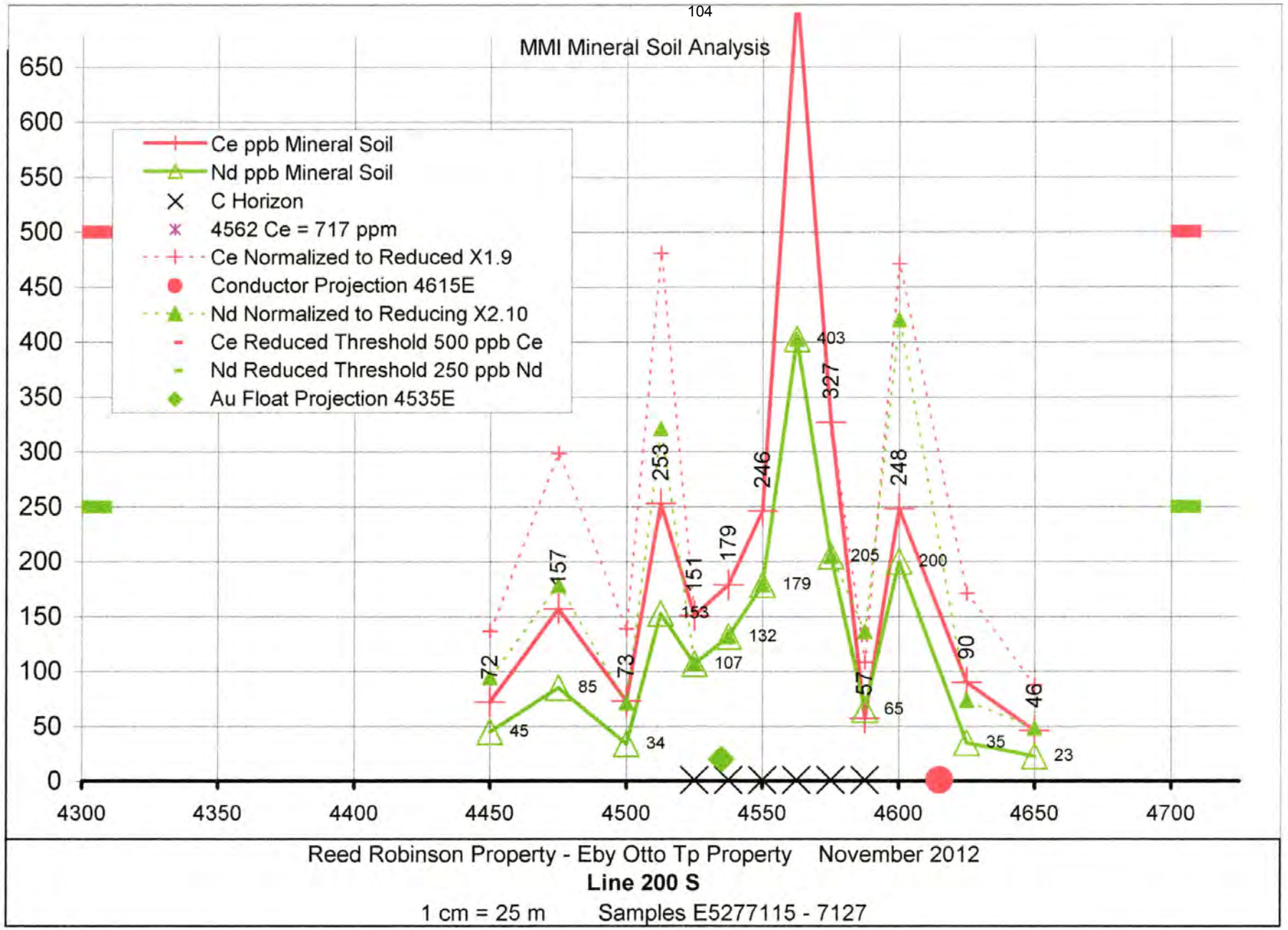
1 cm = 25 m Samples E527**7115 - 7127**



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 200 S

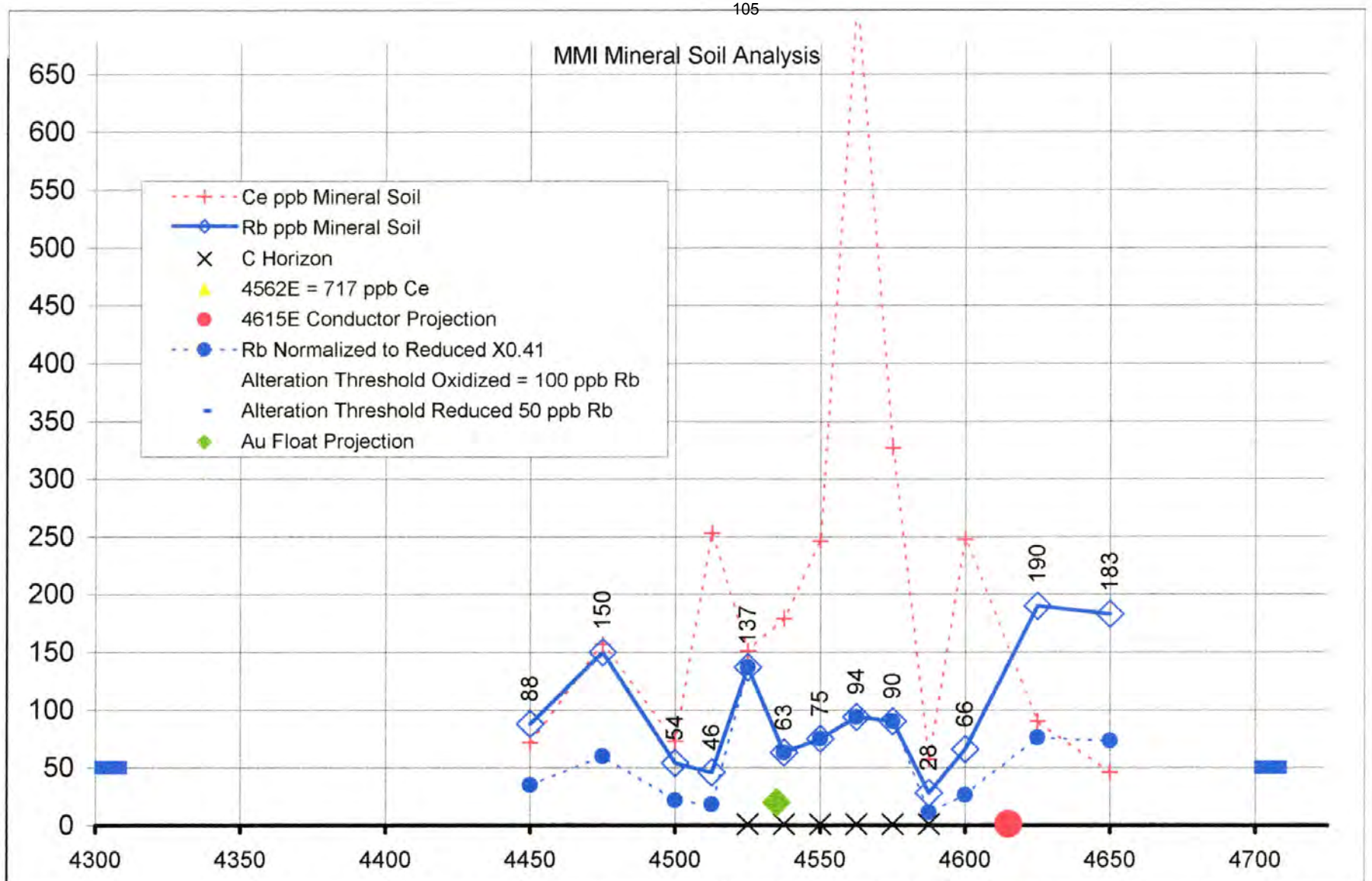
1 cm = 25 m Samples E5277115 - 7127



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 200 S

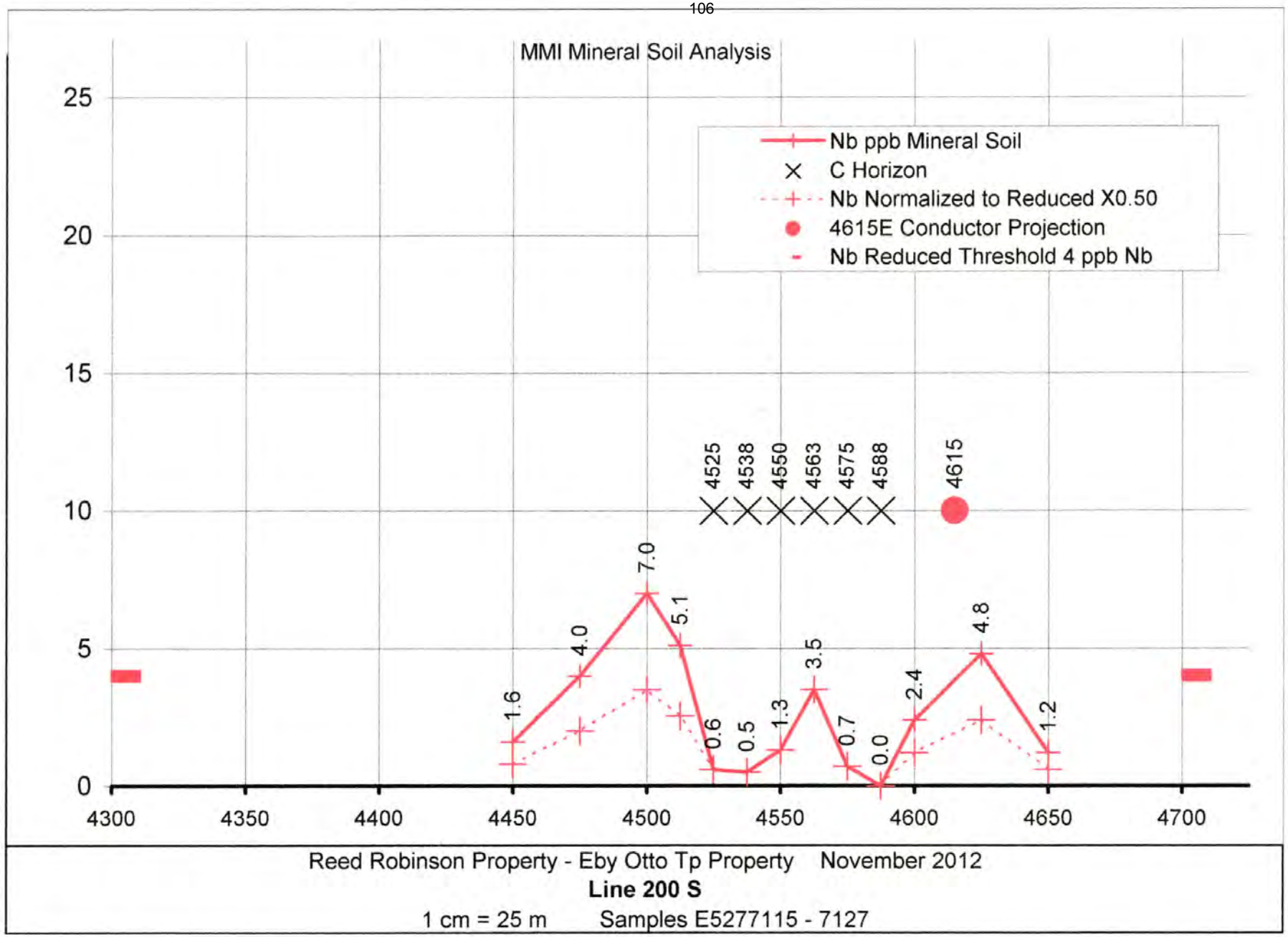
1 cm = 25 m Samples E5277115 - 7127



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 200 S

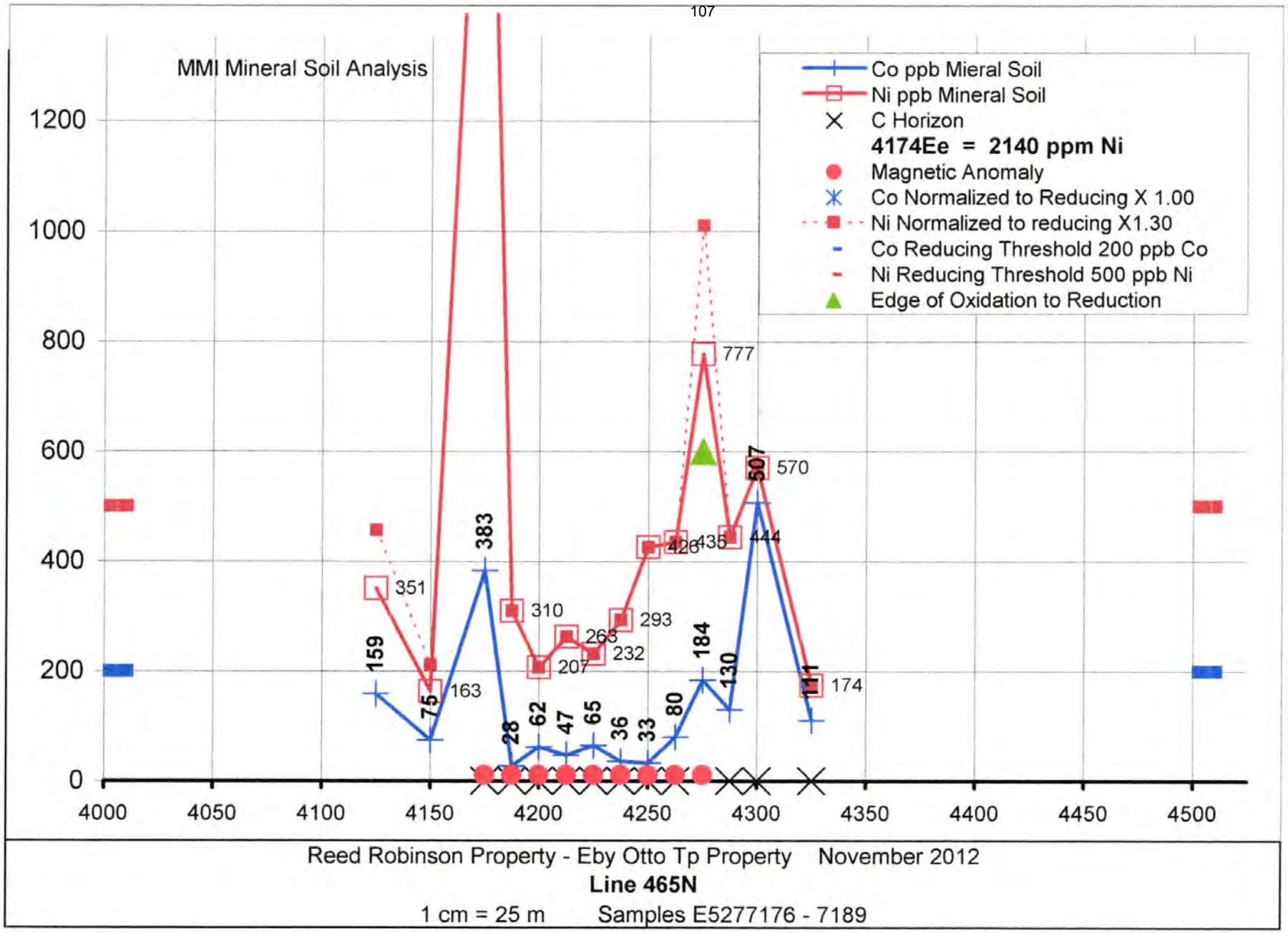
1 cm = 25 m Samples E5277115 - 7127



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 200 S

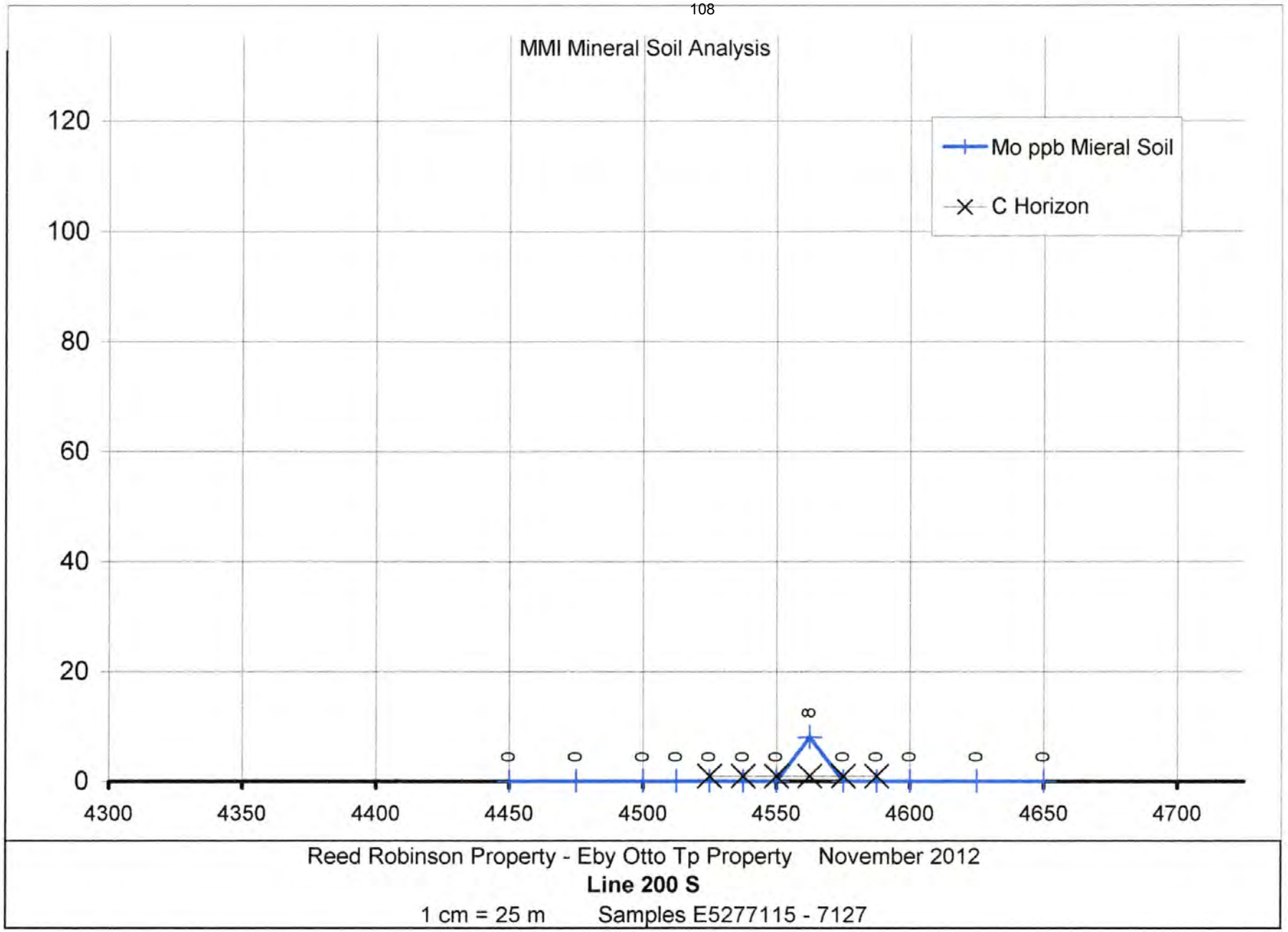
1 cm = 25 m Samples E5277115 - 7127

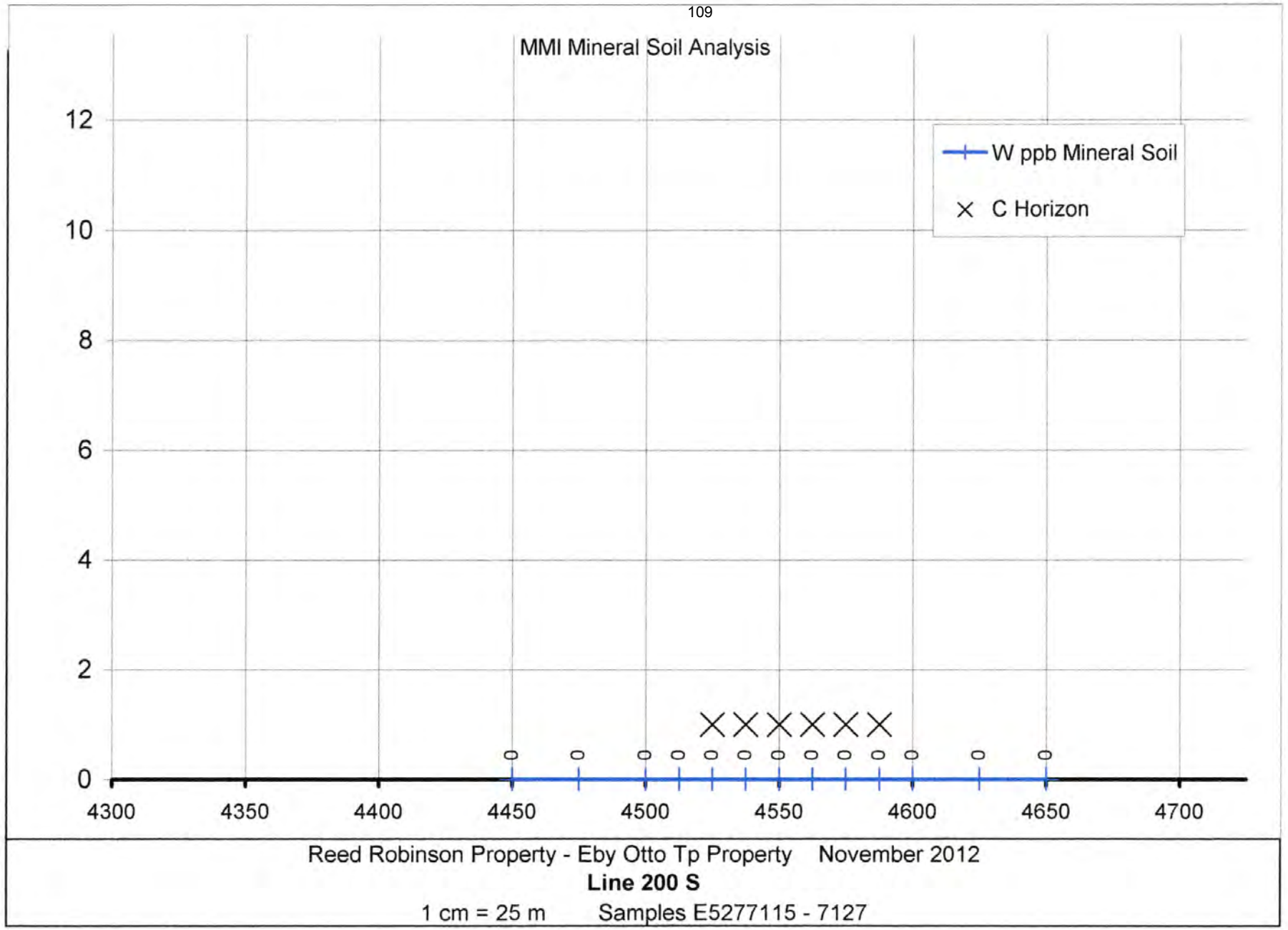


Reed Robinson Property - Eby Otto Tp Property November 2012

Line 465N

1 cm = 25 m Samples E5277176 - 7189

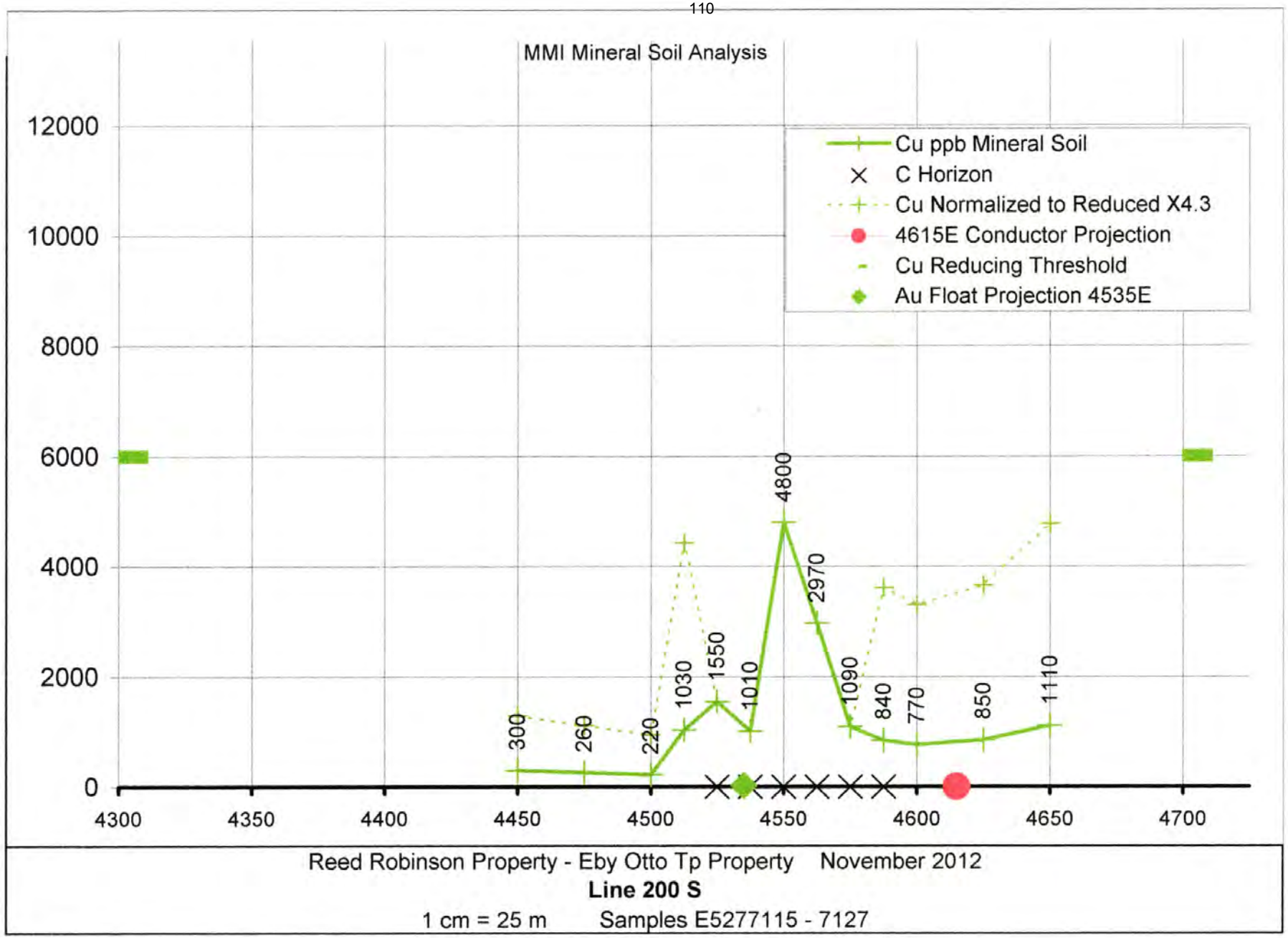

MMI Mineral Soil Analysis
120
100
80
60
40
20
0
Mo ppb Mieral Soil
C Horizon
8
4300
4350
4400
4450
4500
4550
4600
4650
4700
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 200 S
1 cm = 25 m Samples E5277115 - 7127



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 200 S

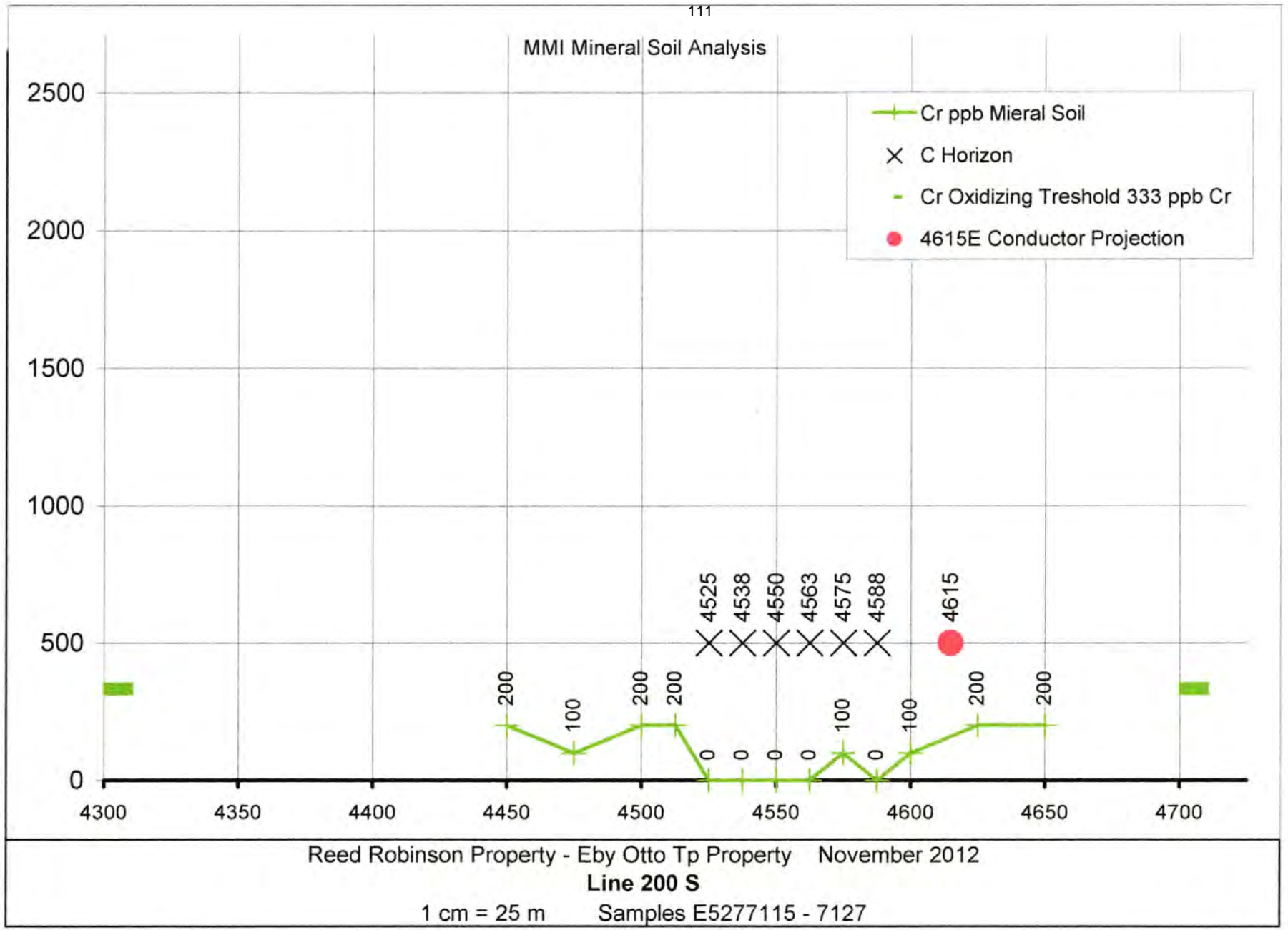
1 cm = 25 m Samples E5277115 - 7127



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 200 S

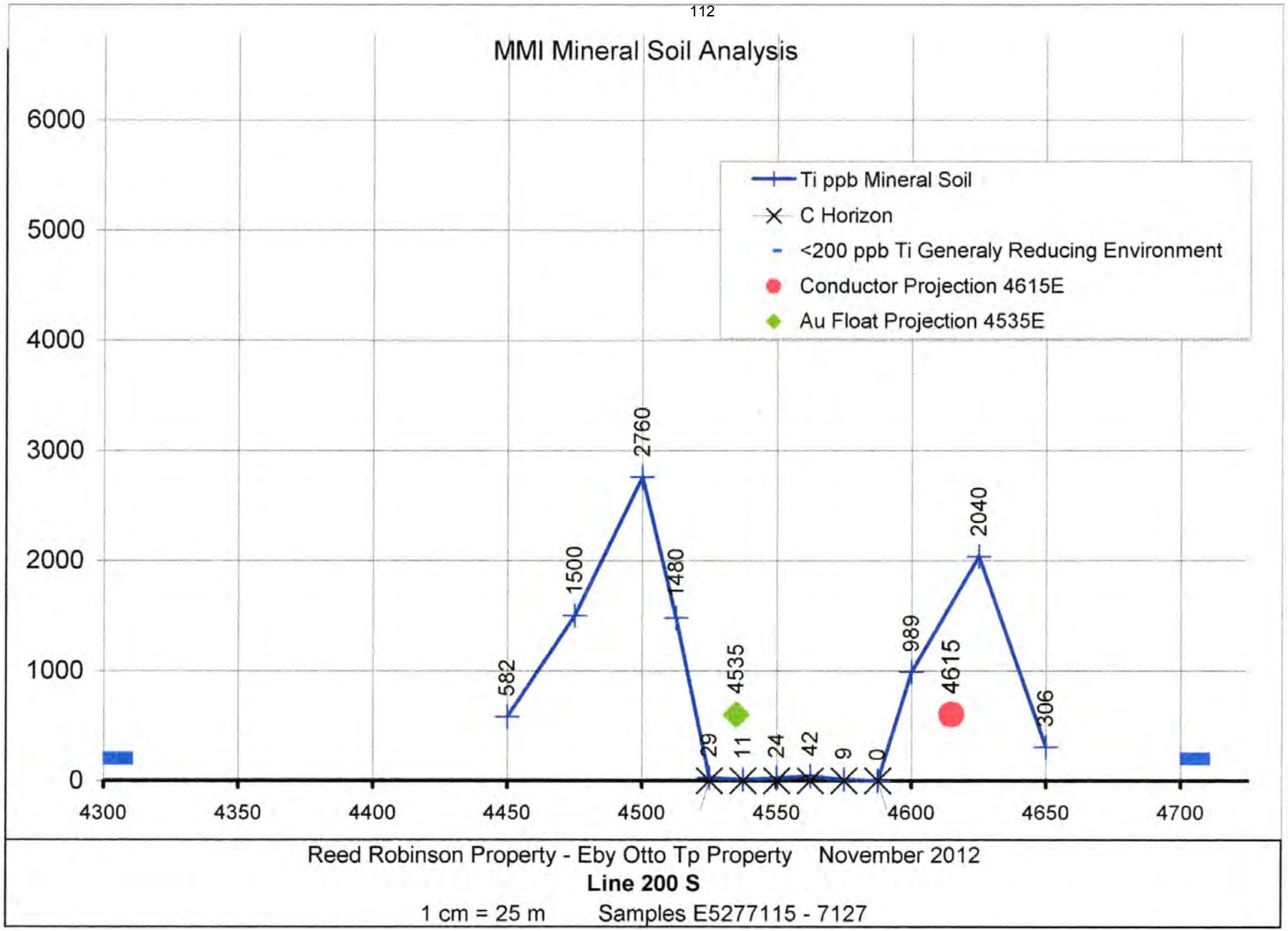
1 cm = 25 m Samples E5277115 - 7127



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 200 S

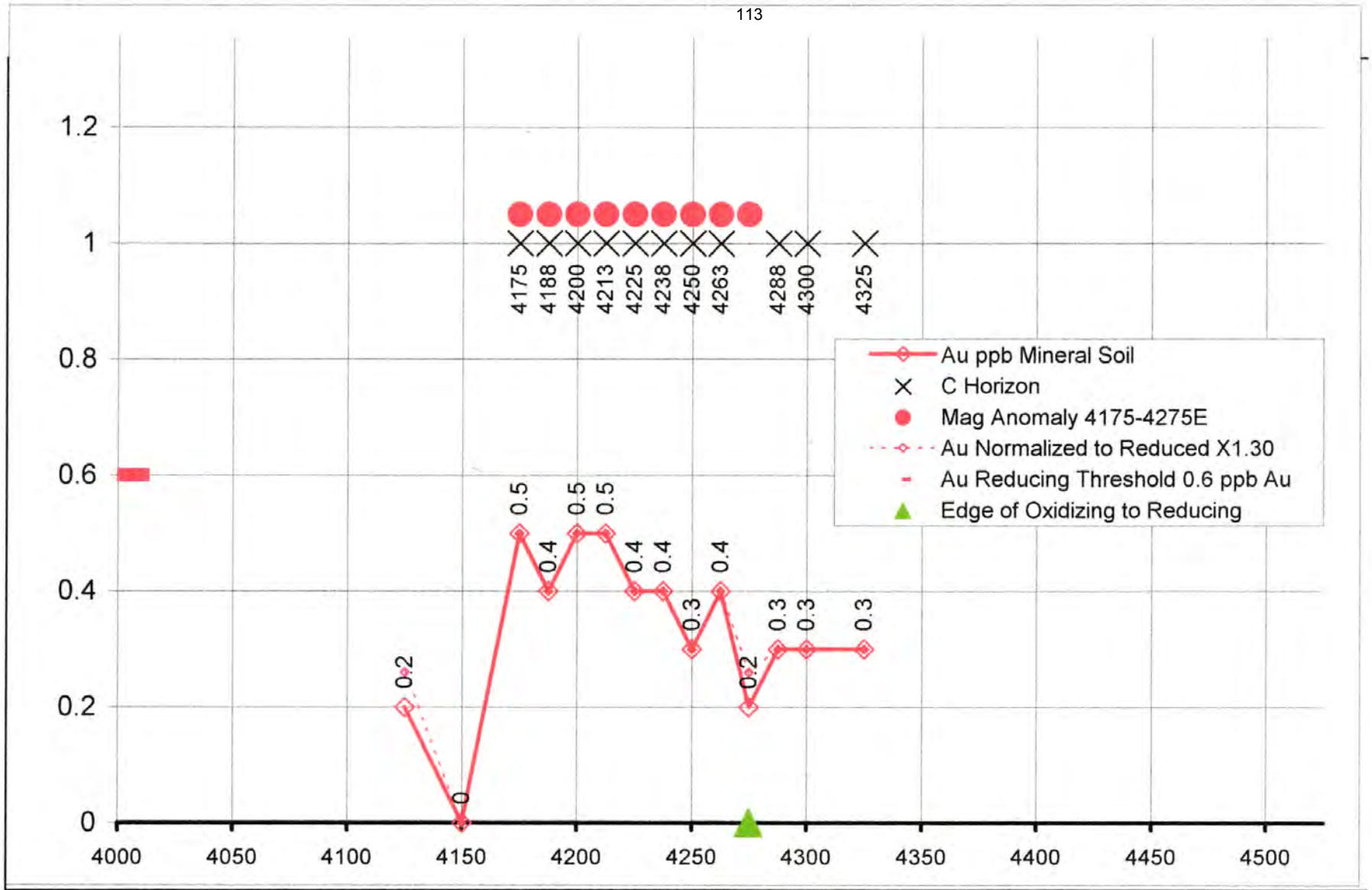
1 cm = 25 m Samples E5277115 - 7127



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 200 S

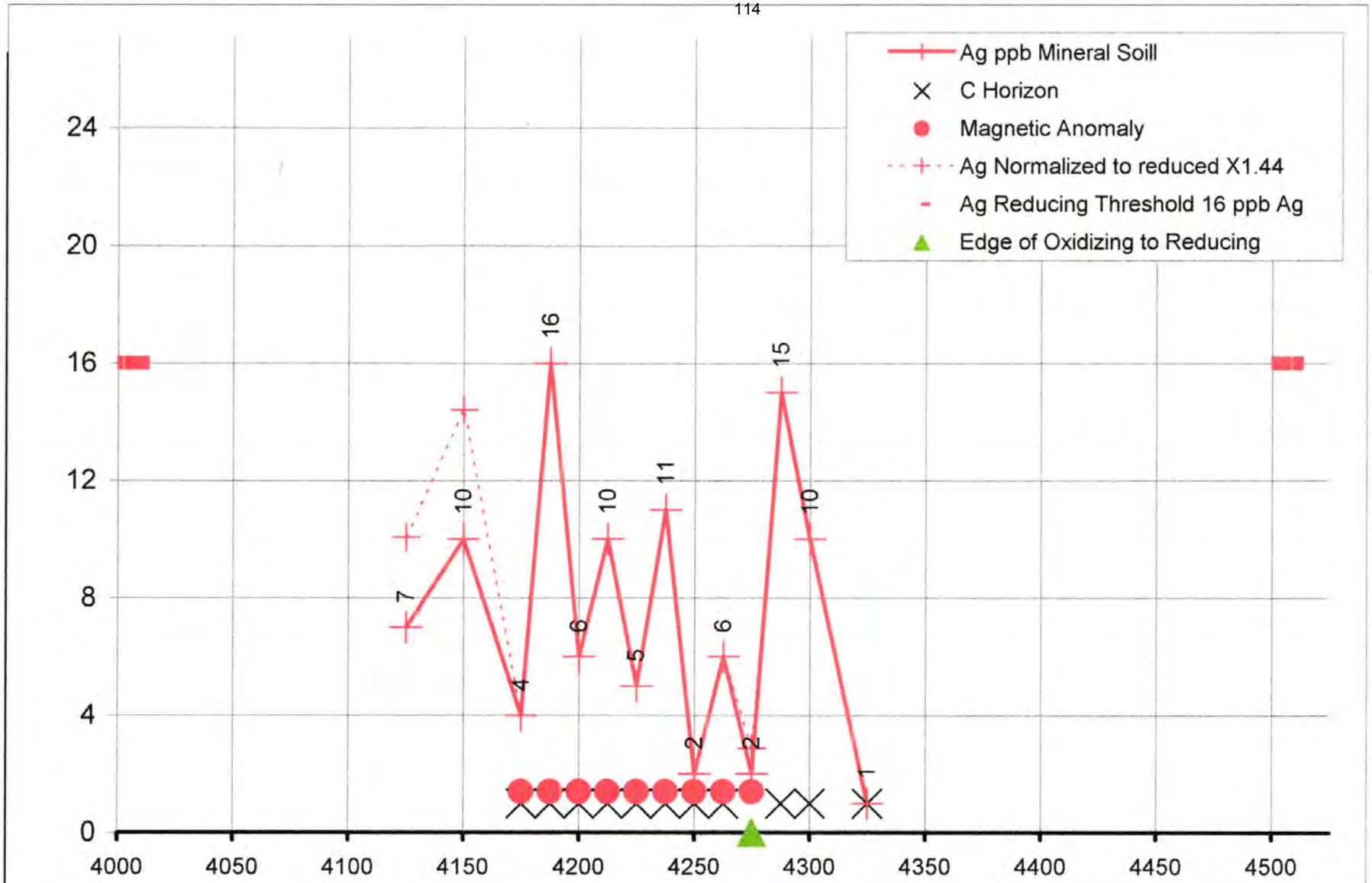
1 cm = 25 m Samples E5277115 - 7127



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 465N

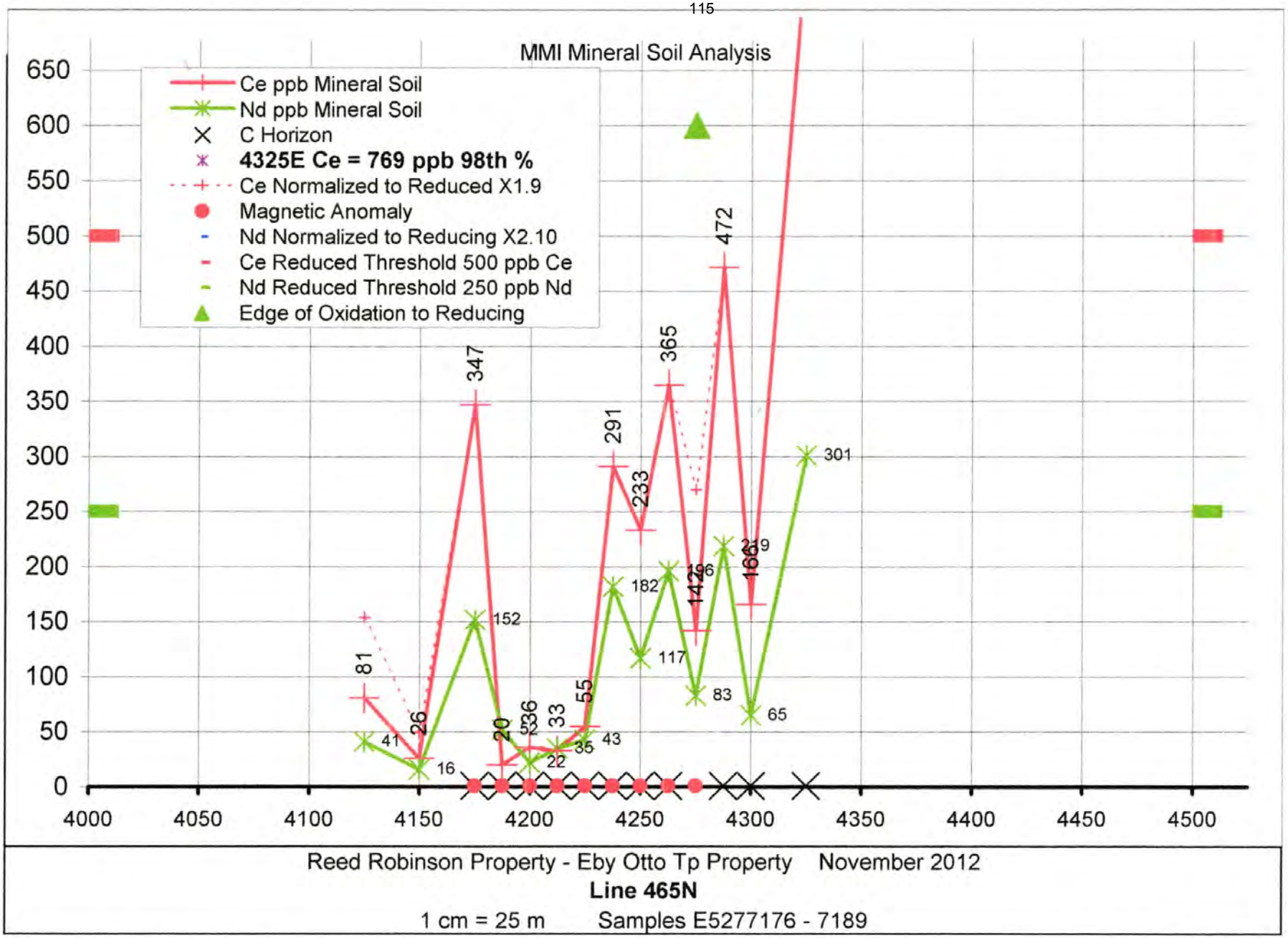
1 cm = 25 m Samples E527**7176 - 7189**



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 465N

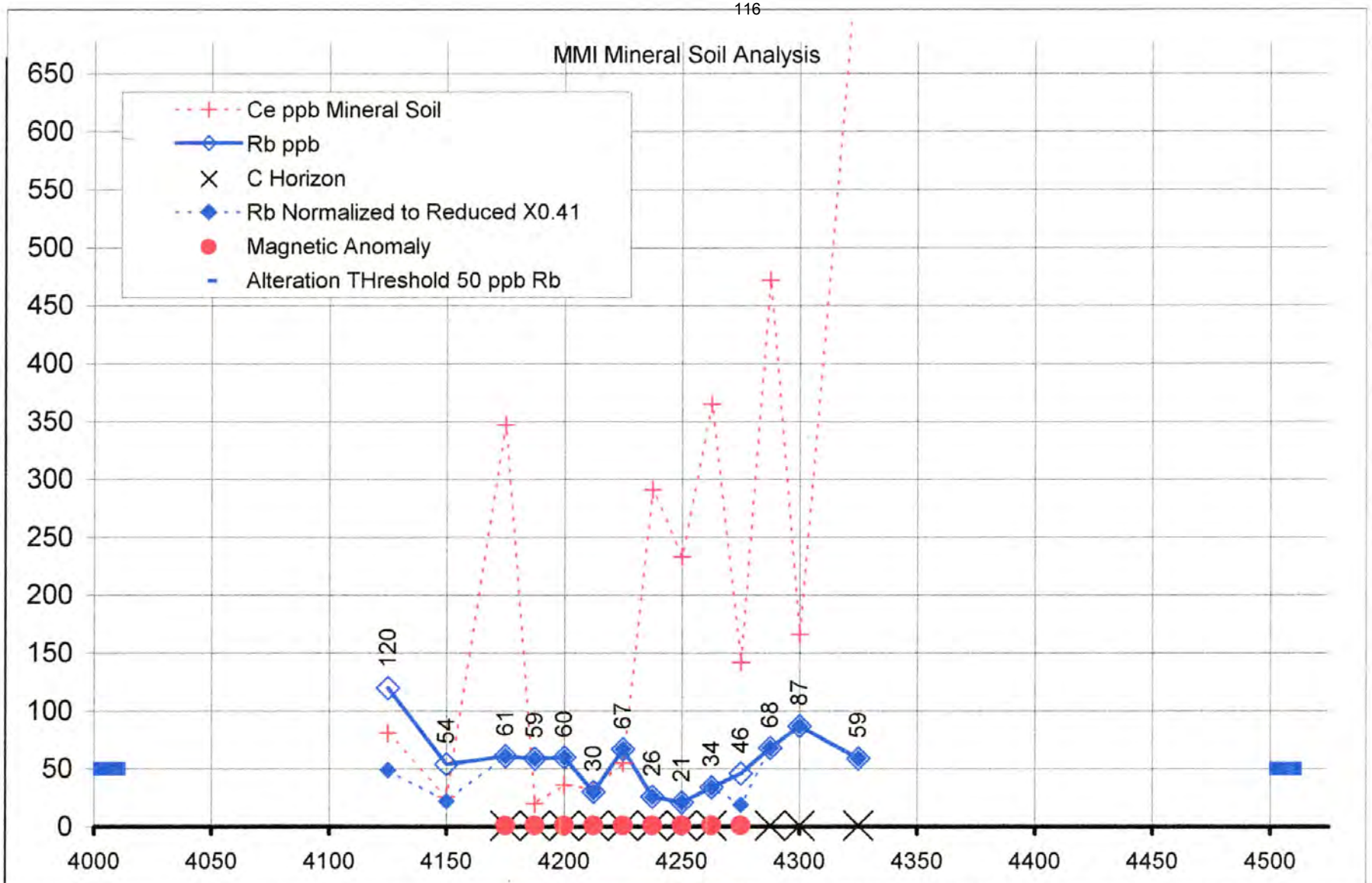
1 cm = 25 m Samples E5277176 - 7189



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 465N

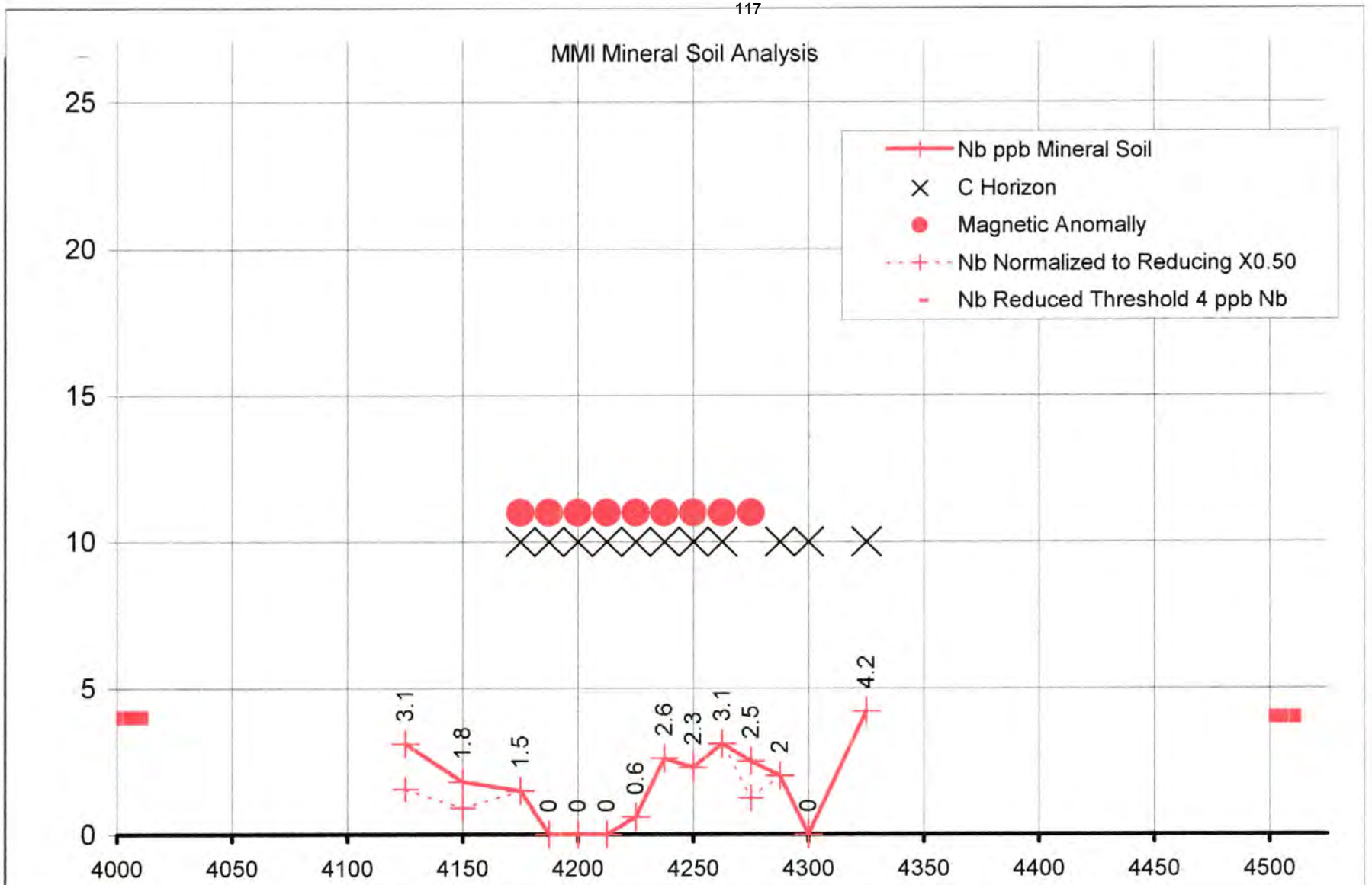
1 cm = 25 m Samples E5277176 - 7189



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 465N

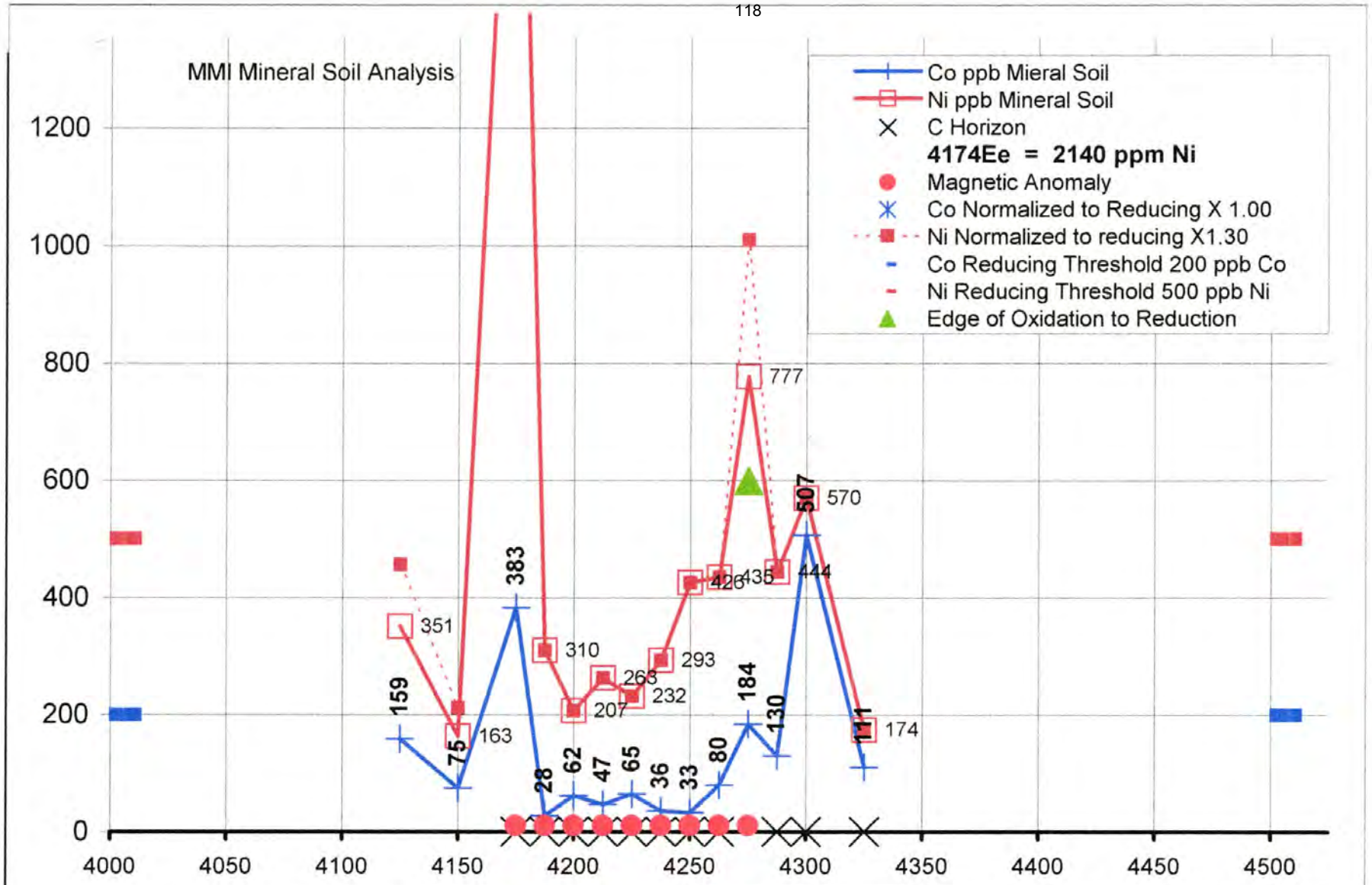
1 cm = 25 m Samples E5277176 - 7189



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 465N

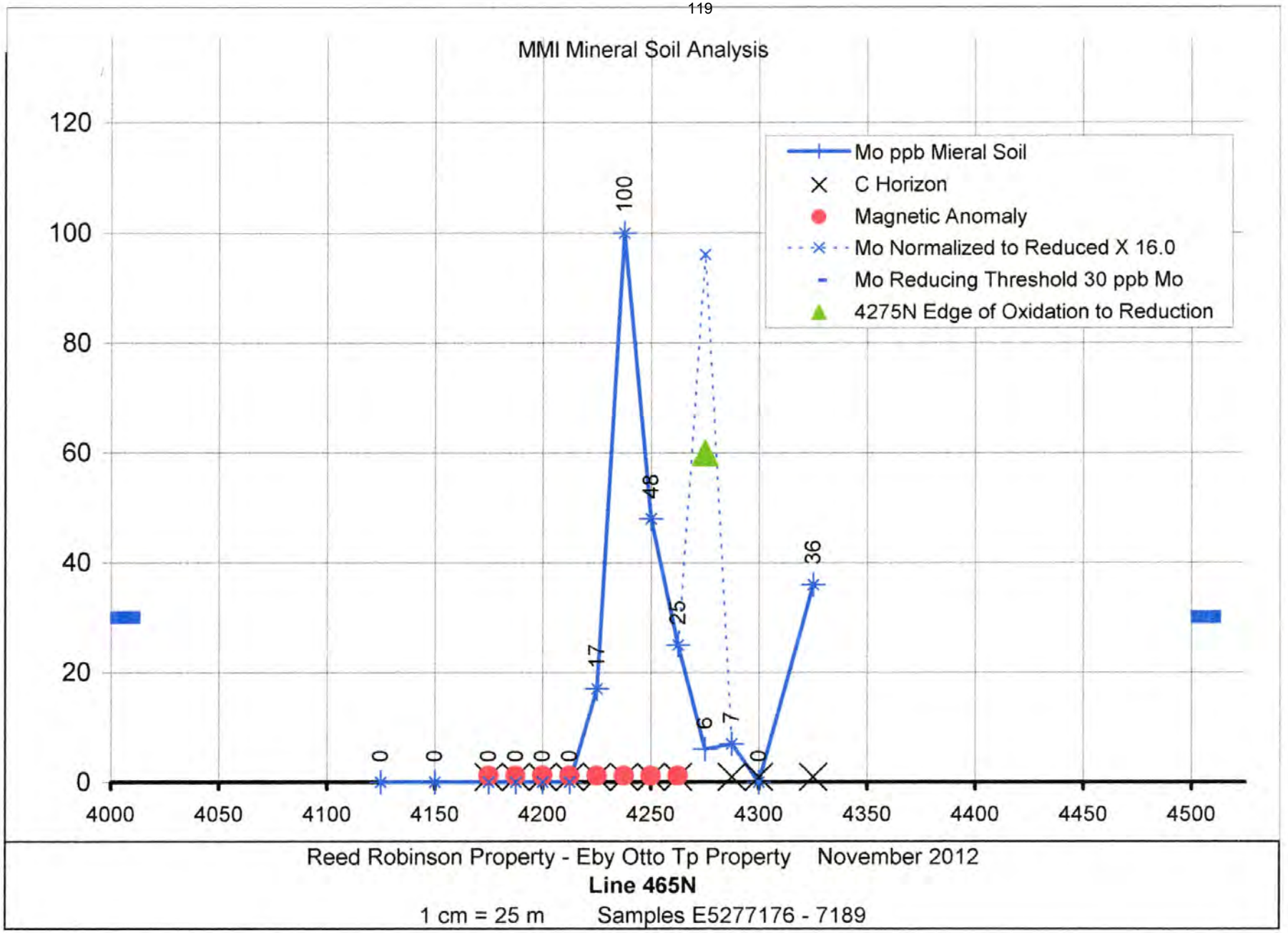
1 cm = 25 m Samples E5277176 - 7189

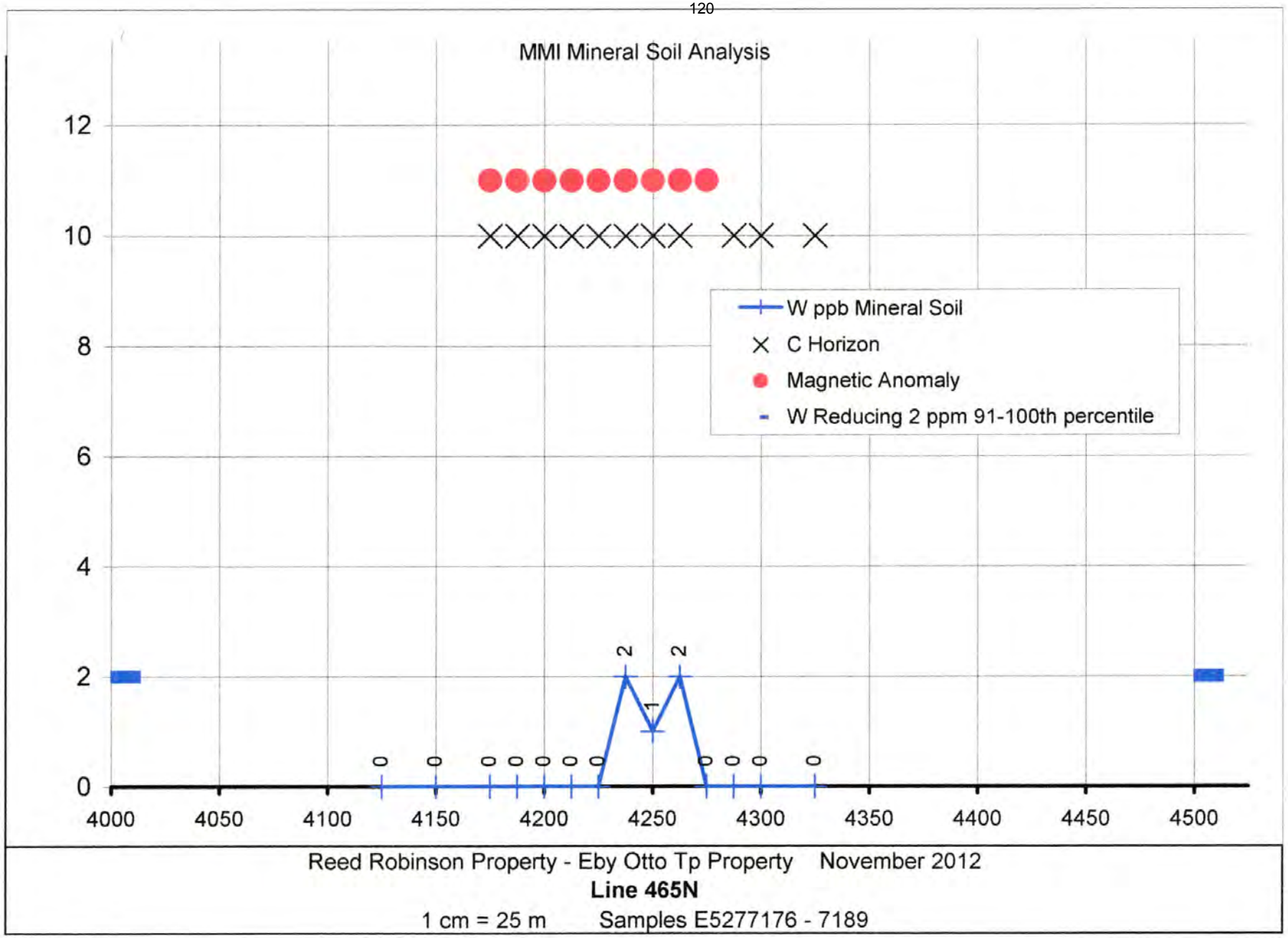


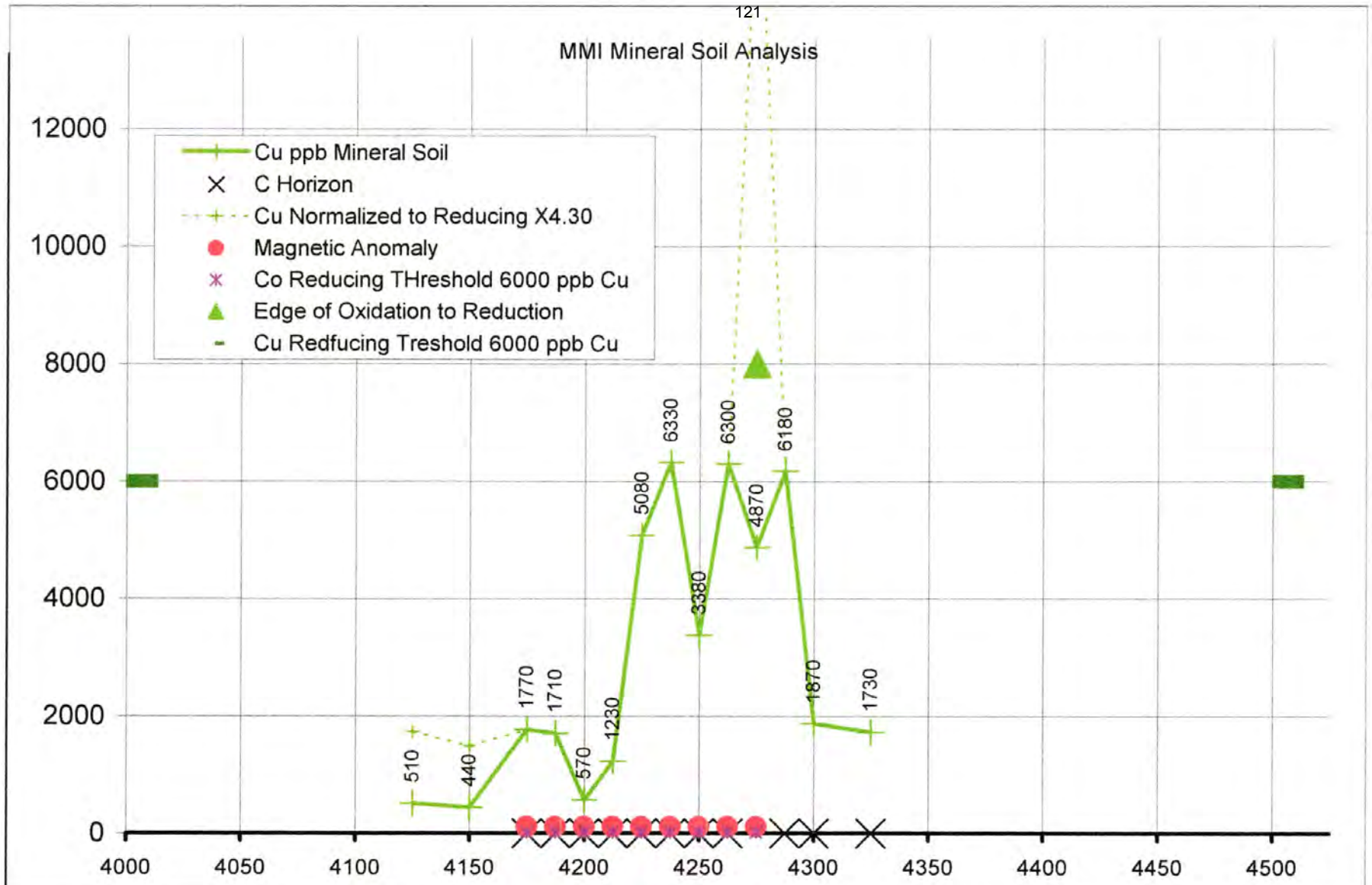
Reed Robinson Property - Eby Otto Tp Property November 2012

Line 465N

1 cm = 25 m Samples E5277176 - 7189


MMI Mineral Soil Analysis
120
100
80
60
40
20
0
4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
Mo ppb Mieral Soil
C Horizon
Magnetic Anomaly
Mo Normalized to Reduced X 16.0
Mo Reducing Threshold 30 ppb Mo
4275N Edge of Oxidation to Reduction
0
0
0
0
0
0
17
100
48
25
6
7
0
36
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 465N
1 cm = 25 m Samples E5277176 - 7189

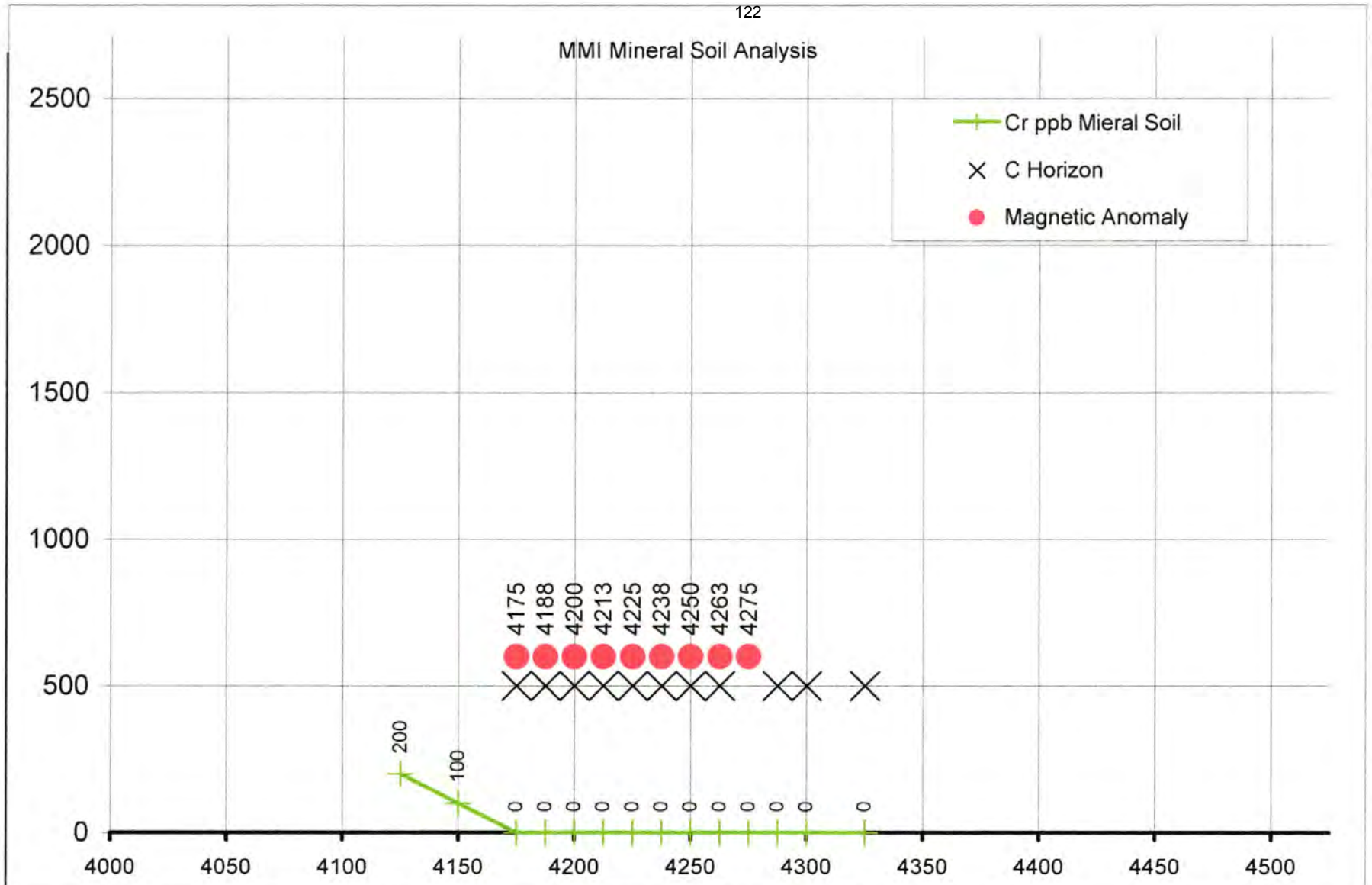

MMI Mineral Soil Analysis
12
10
8
6
4
2
0
4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
W ppb Mineral Soil
C Horizon
Magnetic Anomaly
W Reducing 2 ppm 91-100th percentile
0 0 0 0 0 0 0 2 1 2 0 0 0 0
Reed Robinson Property - Eby Otto Tp Property November 2012
Line 465N
1 cm = 25 m Samples E5277176 - 7189



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 465N

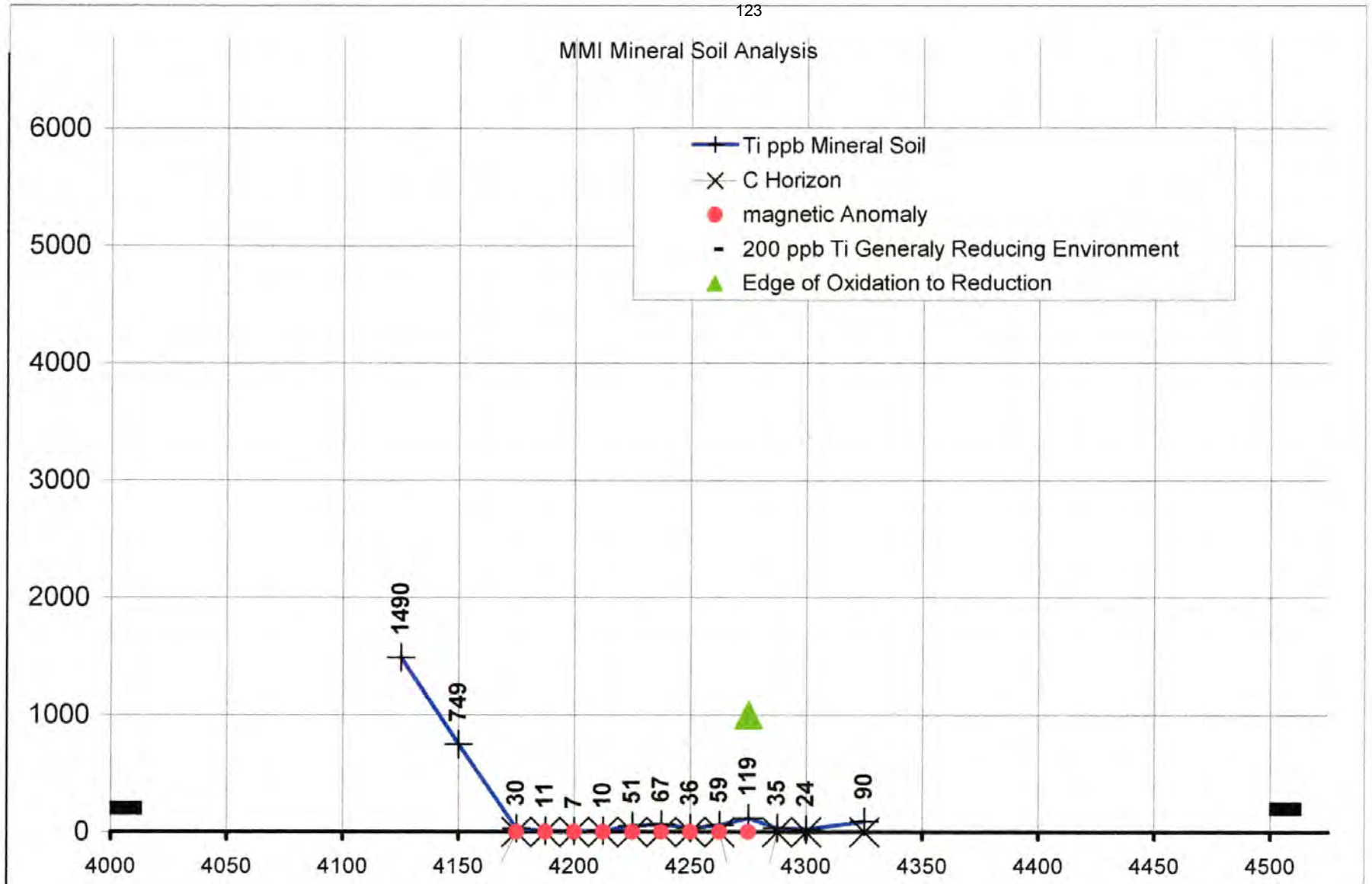
1 cm = 25 m Samples E5277176 - 7189



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 465N

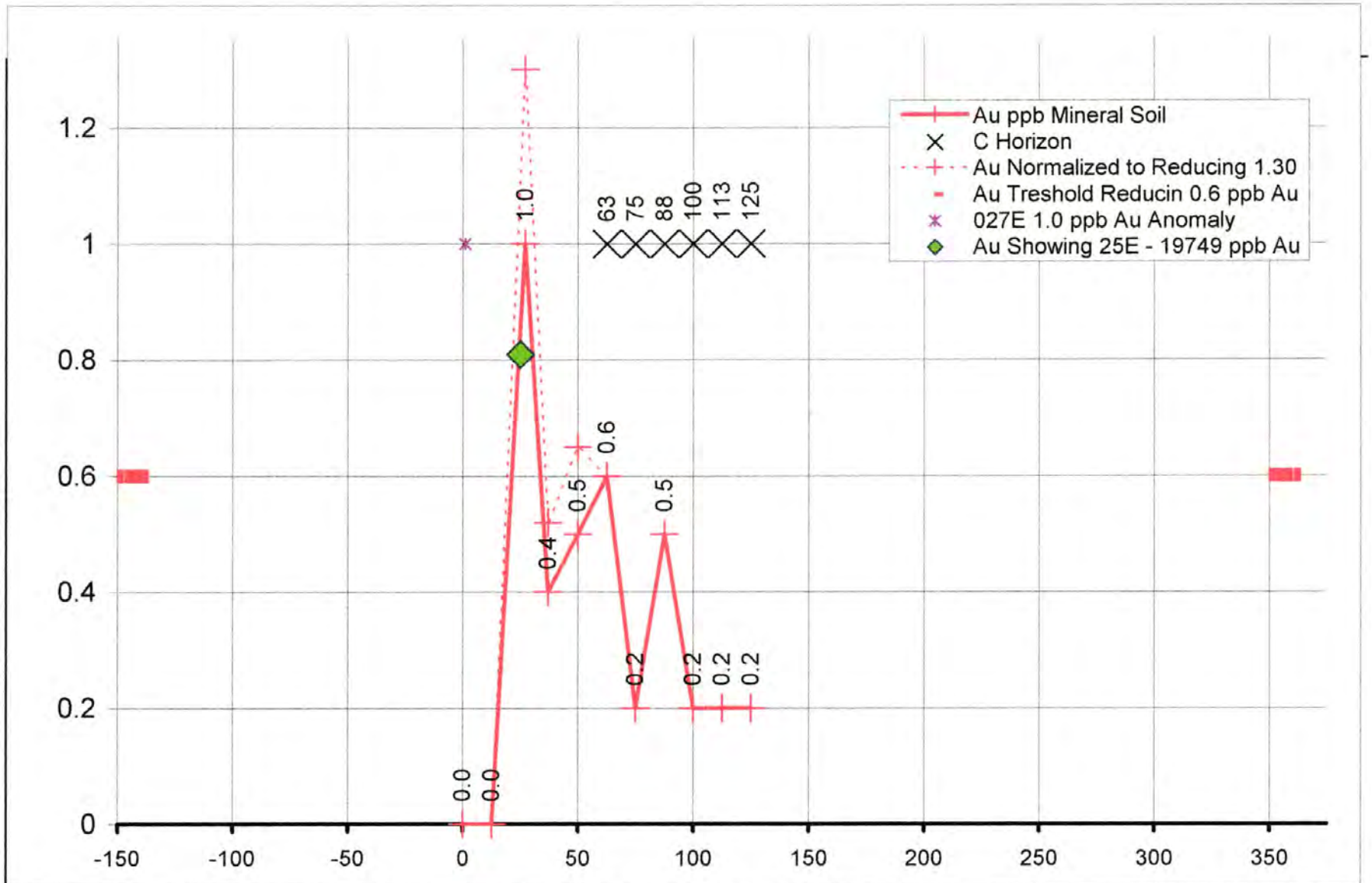
1 cm = 25 m Samples E5277176 - 7189



Reed Robinson Property - Eby Otto Tp Property November 2012

Line 465N

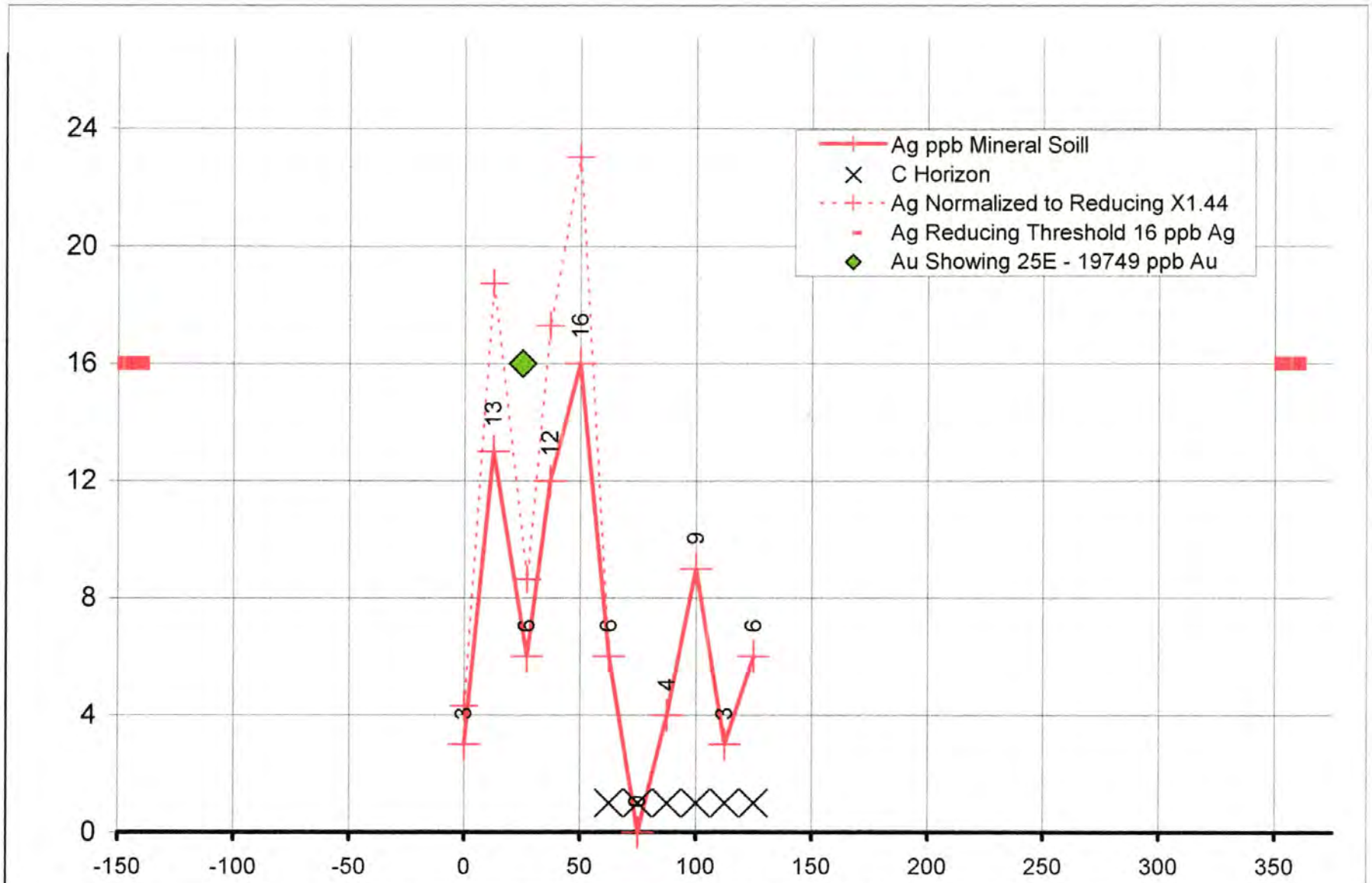
1 cm = 25 m Samples E5277176 - 7189



Reed Robinson Property - Eby Otto Tp Property November 2012

Line XL Gold Showing Near North Clain Line in Otto Tp. (X Axis = Eastings)

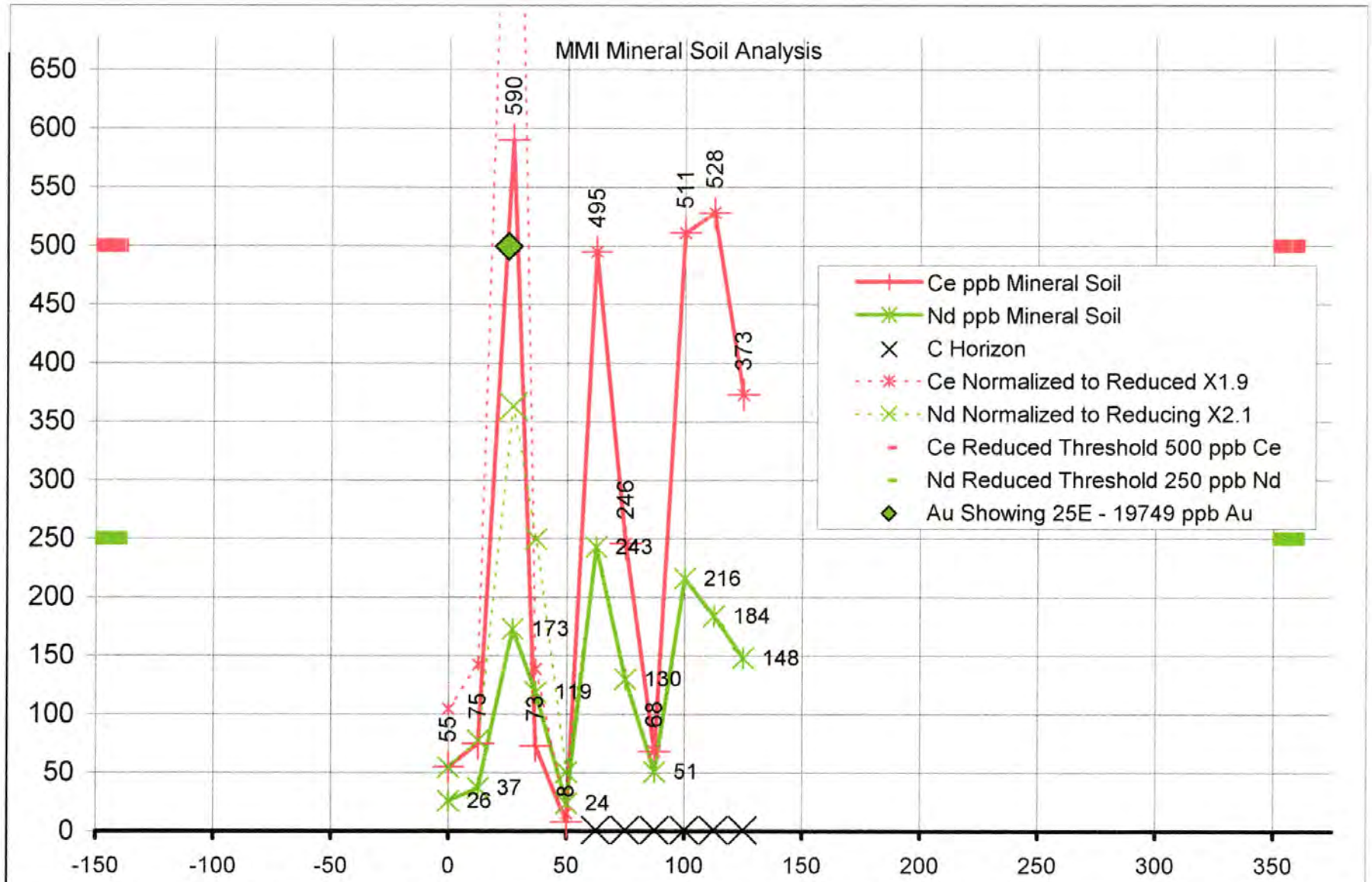
1 cm = 25 m Samples E527**7165 - 7175**



Reed Robinson Property - Eby Otto Tp Property November 2012

Line XL Gold Showing Near North Clain Line in Otto Tp. (X Axis = Eastings)

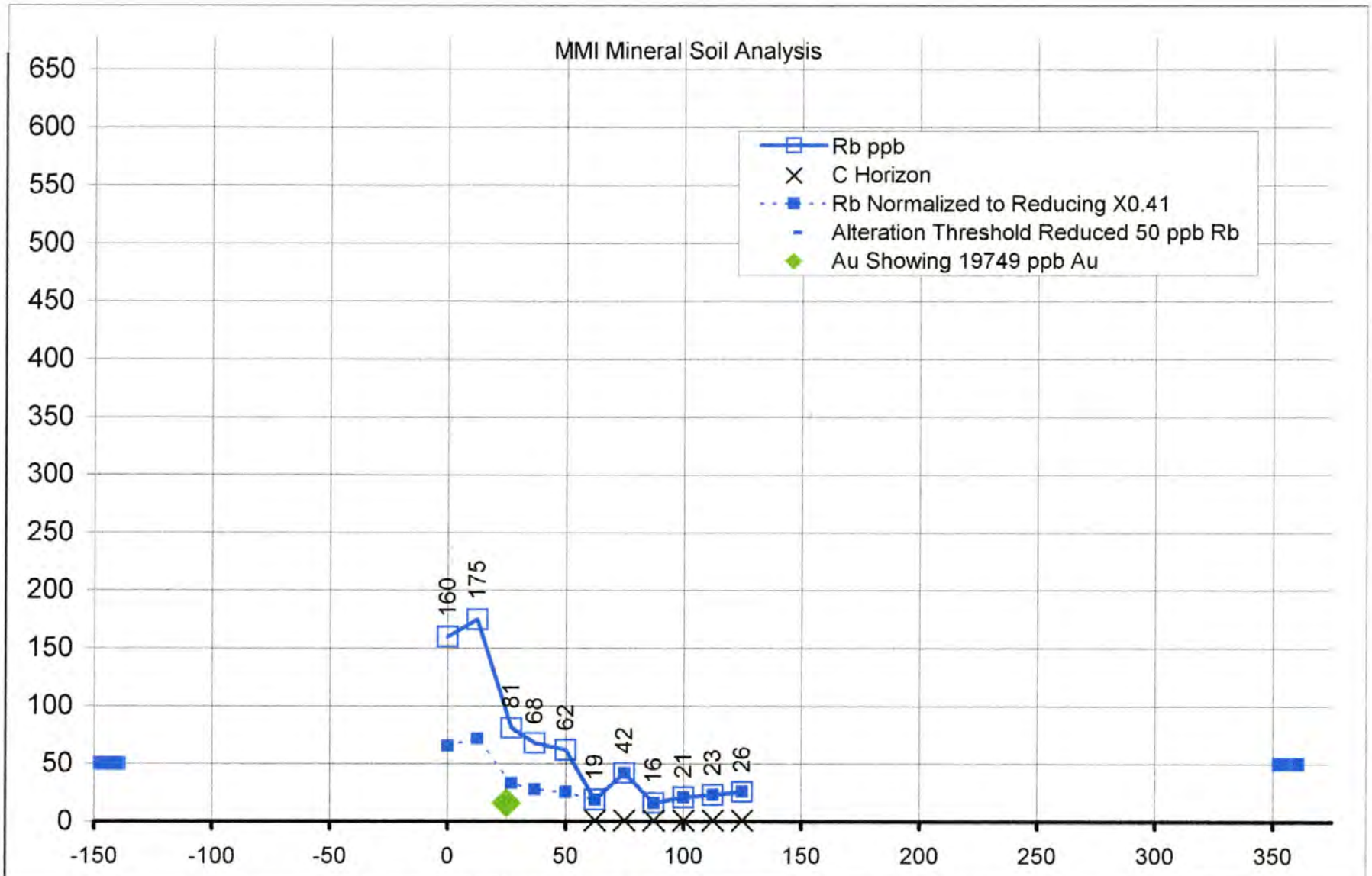
1 cm = 25 m Samples E5277165 - 7175



Reed Robinson Property - Eby Otto Tp Property November 2012

Line XL Gold Showing Near North Clain Line in Otto Tp. (X Axis = Eastings)

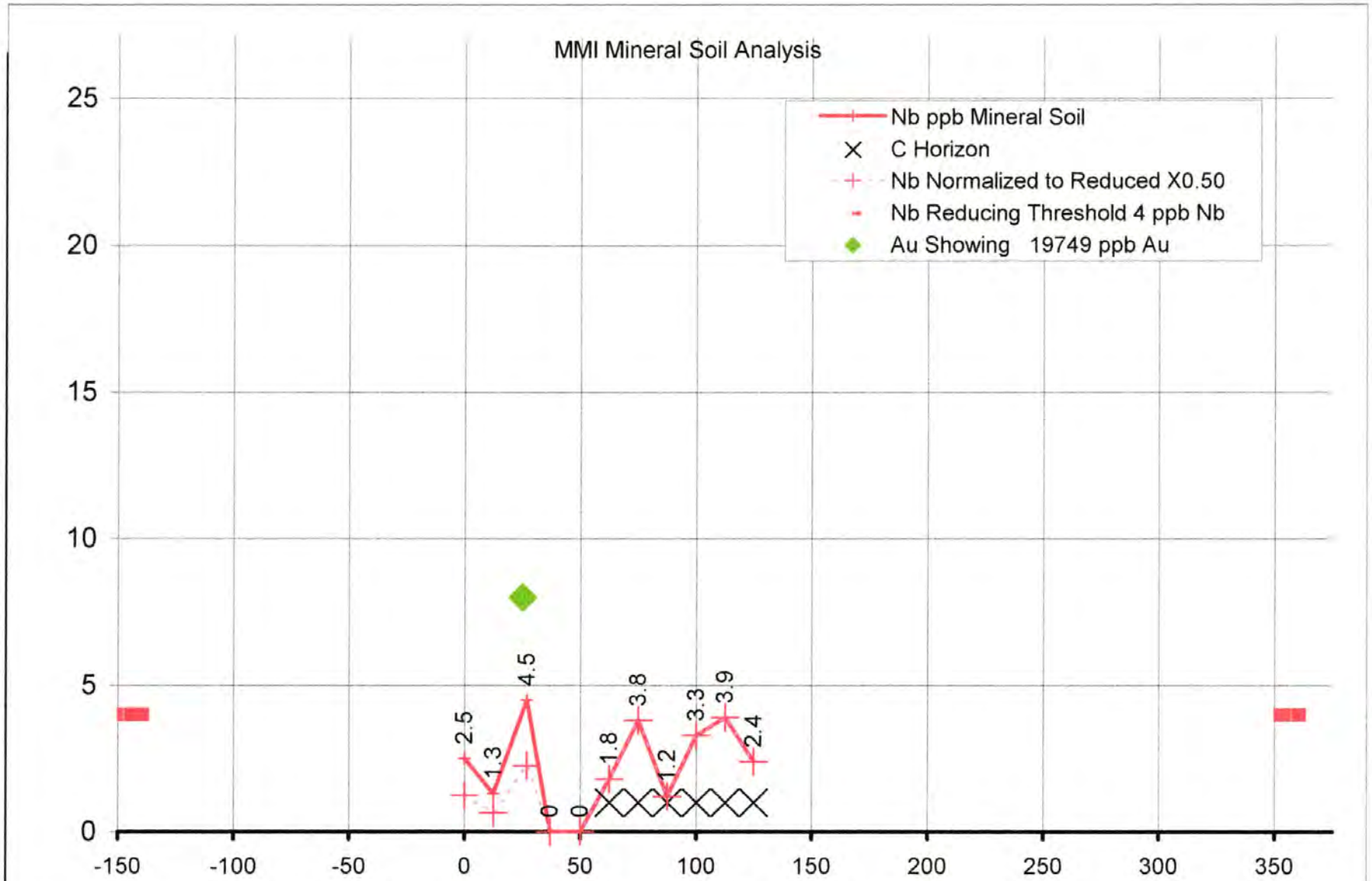
1 cm = 25 m Samples E5277165 - 7175



Reed Robinson Property - Eby Otto Tp Property November 2012

Line XL Gold Showing Near North Clain Line in Otto Tp. (X Axis = Eastings)

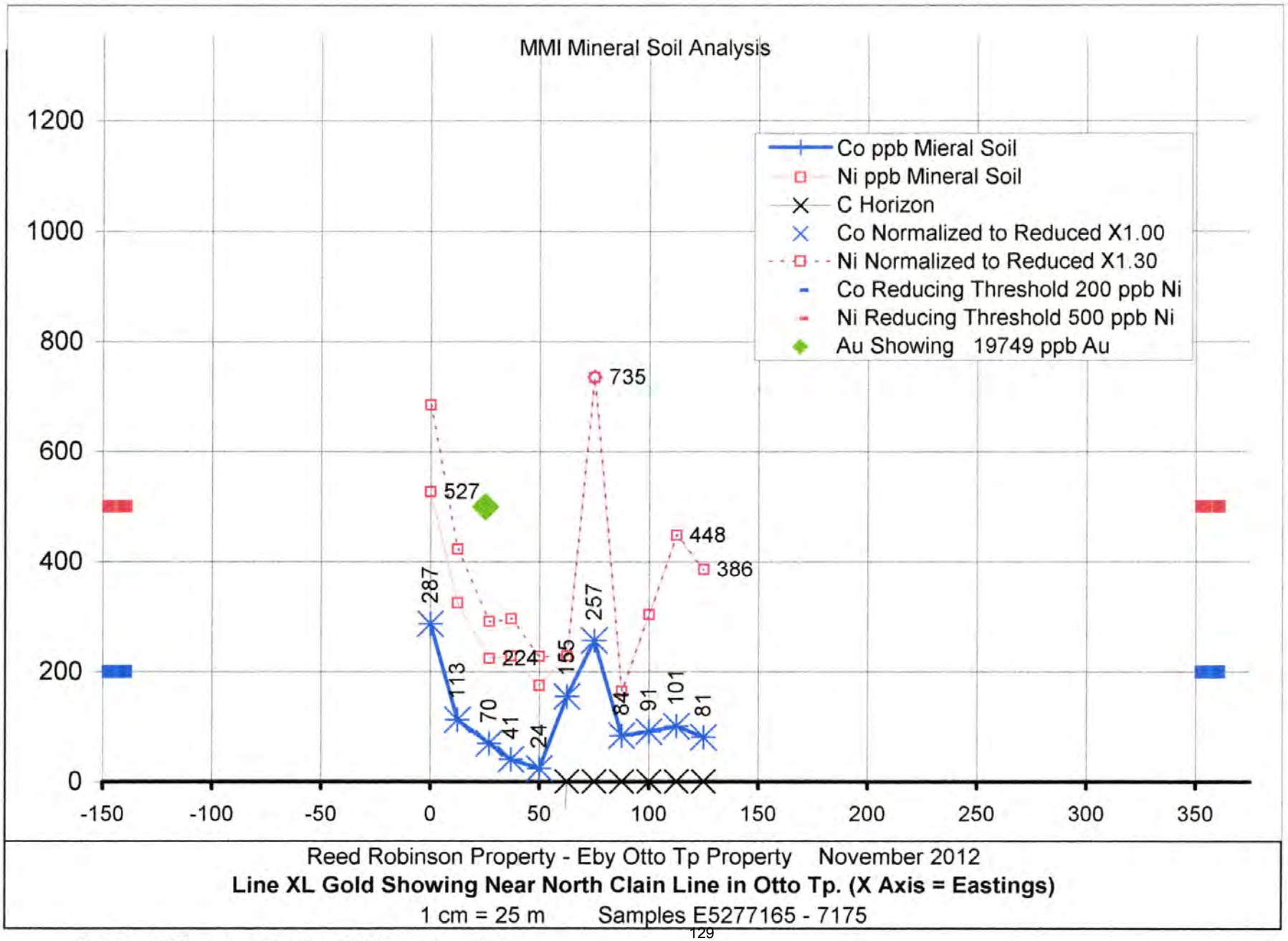
1 cm = 25 m Samples E5277165 - 7175



Reed Robinson Property - Eby Otto Tp Property November 2012

Line XL Gold Showing Near North Clain Line in Otto Tp. (X Axis = Eastings)

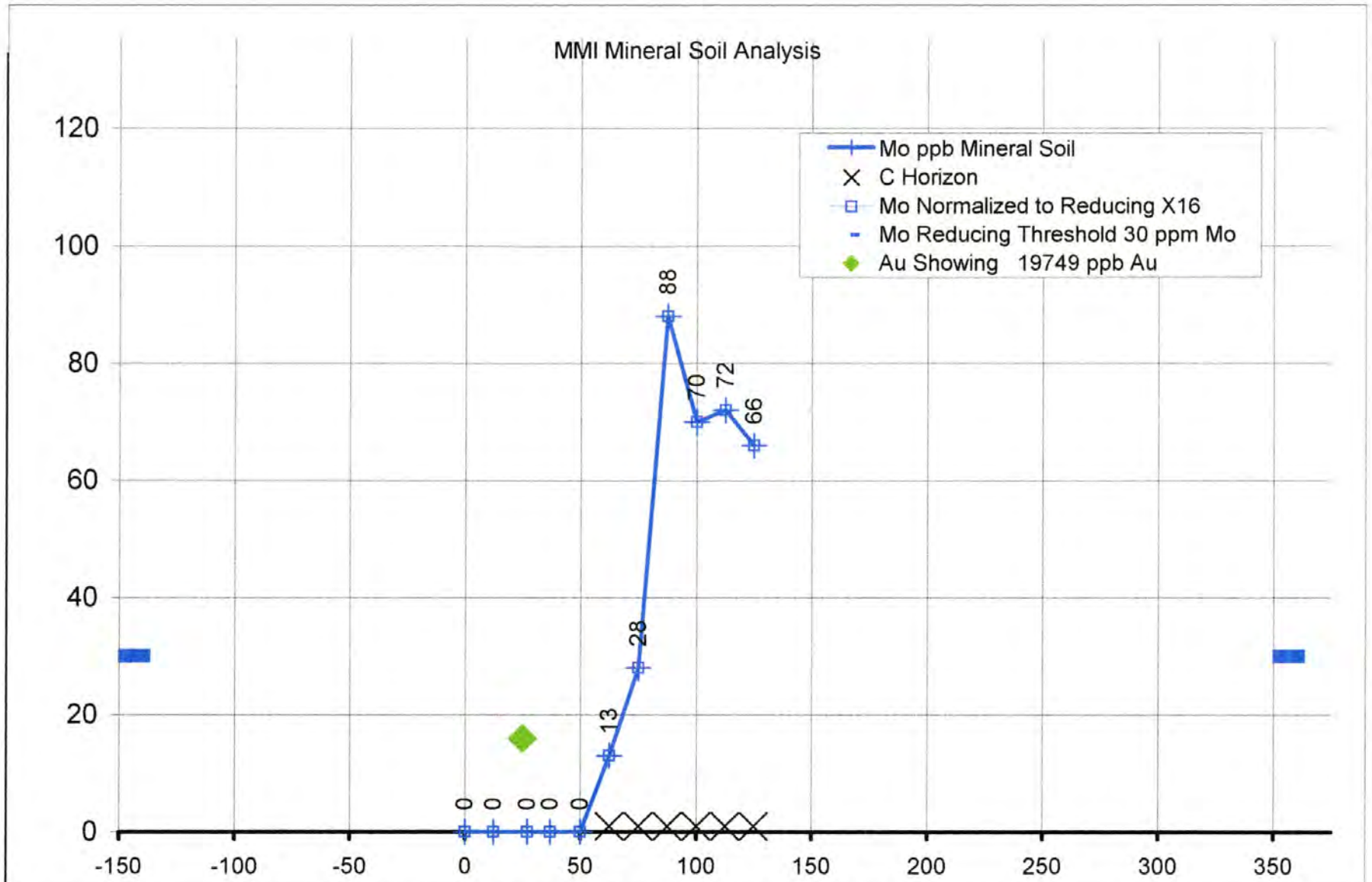
1 cm = 25 m Samples E5277165 - 7175



Reed Robinson Property - Eby Otto Tp Property November 2012

Line XL Gold Showing Near North Clain Line in Otto Tp. (X Axis = Eastings)

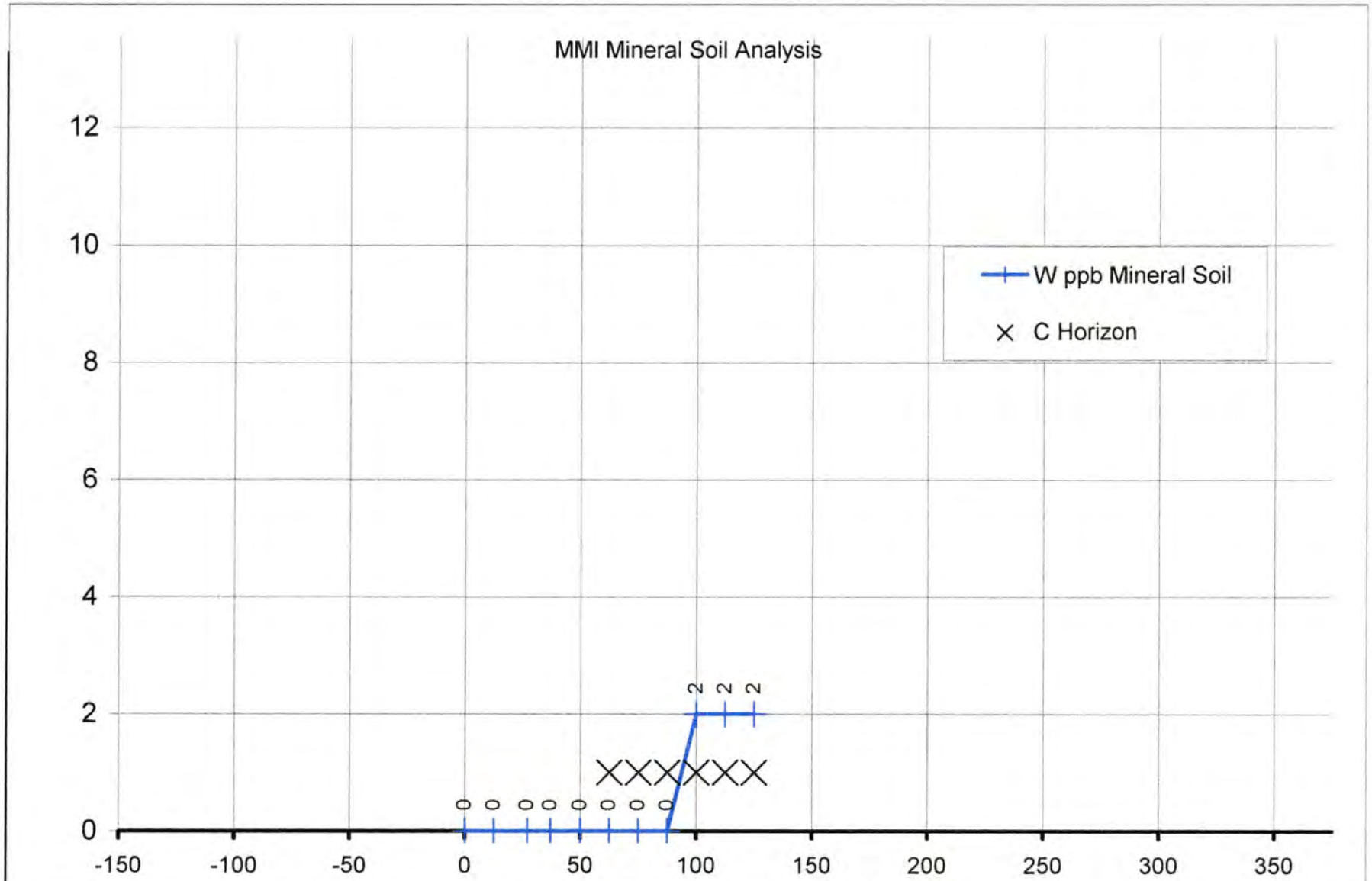
1 cm = 25 m Samples E5277165 - 7175



Reed Robinson Property - Eby Otto Tp Property November 2012

Line XL Gold Showing Near North Clain Line in Otto Tp. (X Axis = Eastings)

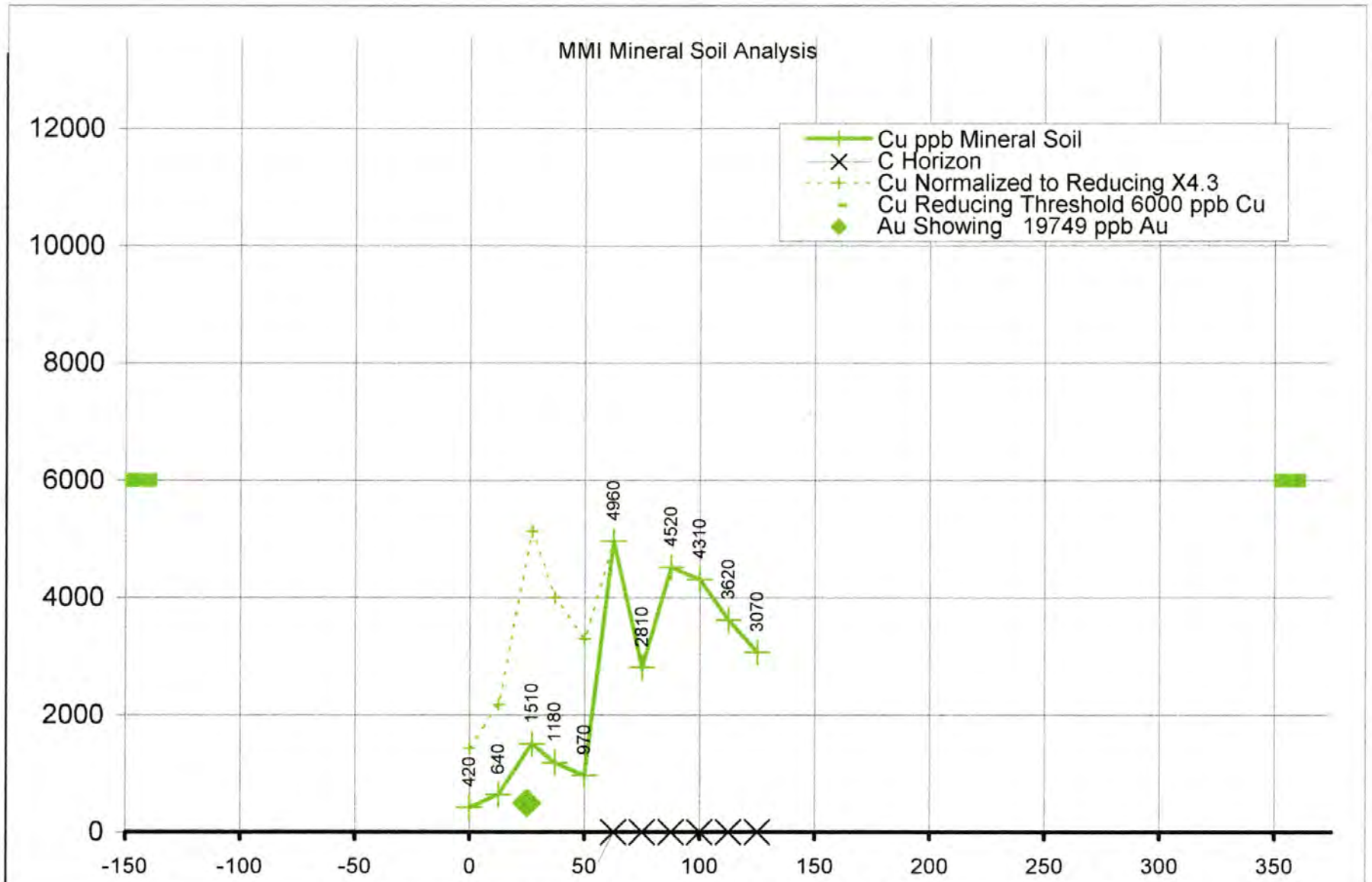
1 cm = 25 m Samples E5277165 - 7175



Reed Robinson Property - Eby Otto Tp Property November 2012

Line XL Gold Showing Near North Clain Line in Otto Tp. (X Axis = Eastings)

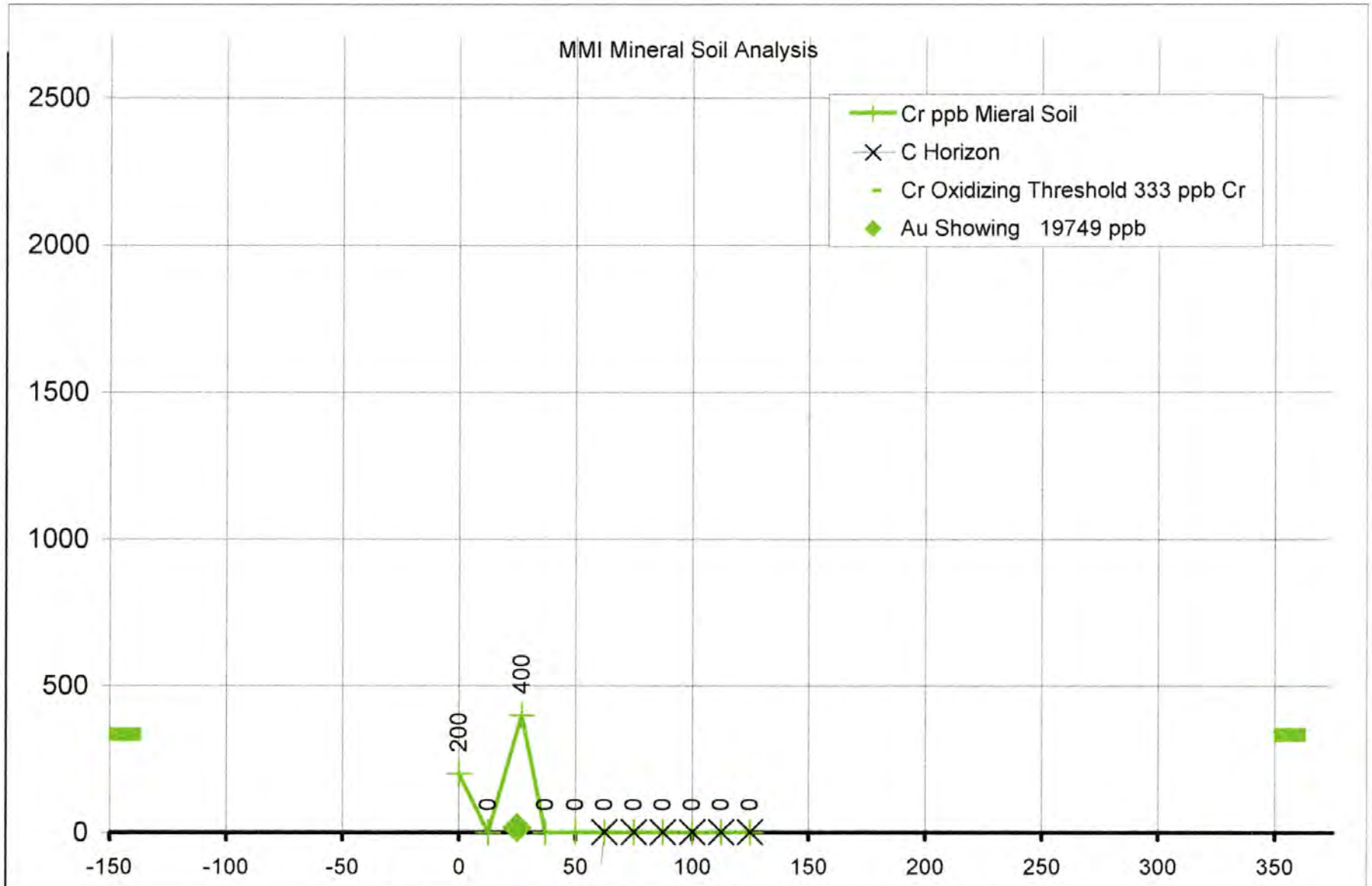
1 cm = 25 m Samples E5277165 - 7175



Reed Robinson Property - Eby Otto Tp Property November 2012

Line XL Gold Showing Near North Clain Line in Otto Tp. (X Axis = Eastings)

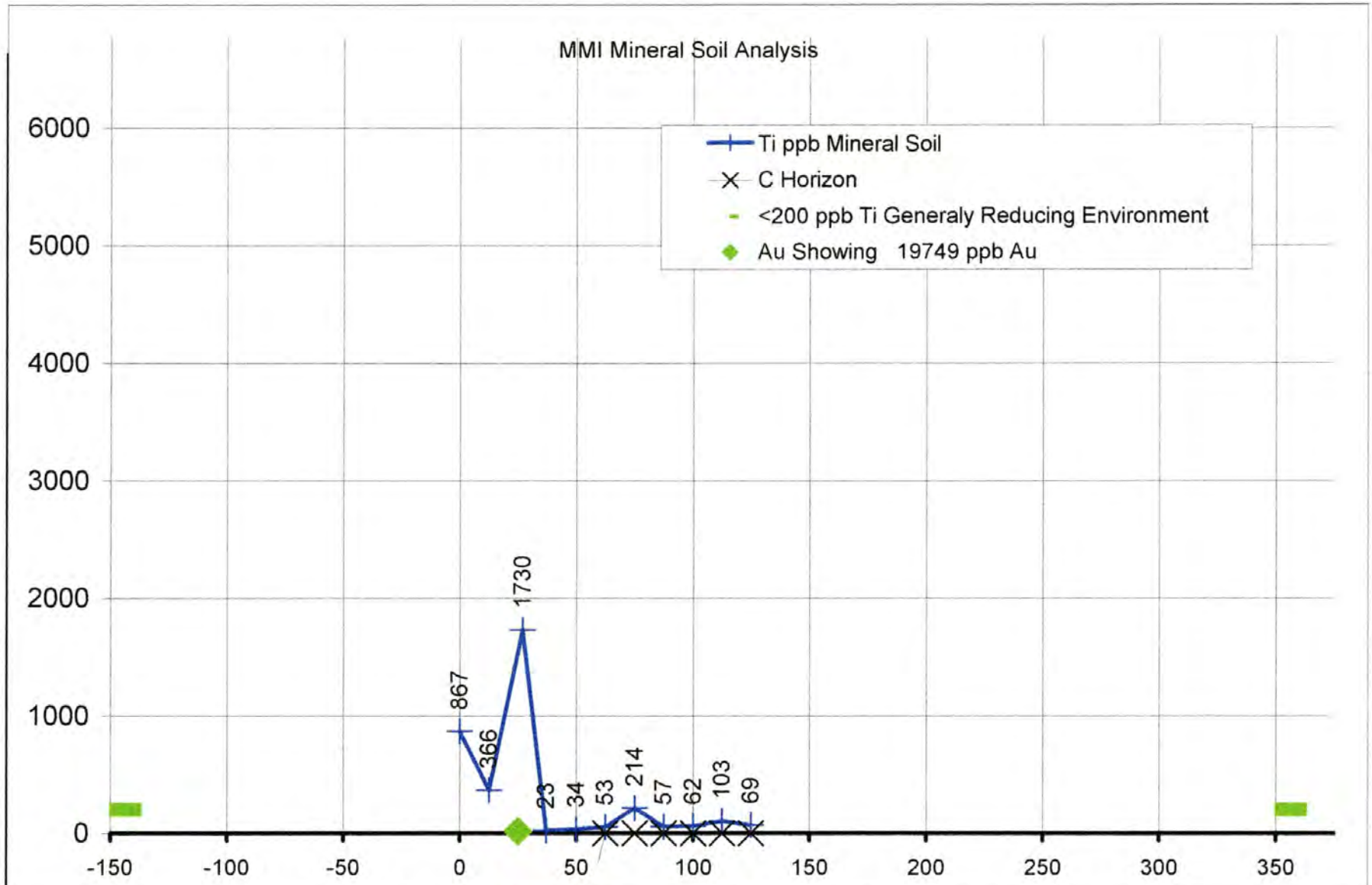
1 cm = 25 m Samples E5277165 - 7175



Reed Robinson Property - Eby Otto Tp Property November 2012

Line XL Gold Showing Near North Clain Line in Otto Tp. (X Axis = Eastings)

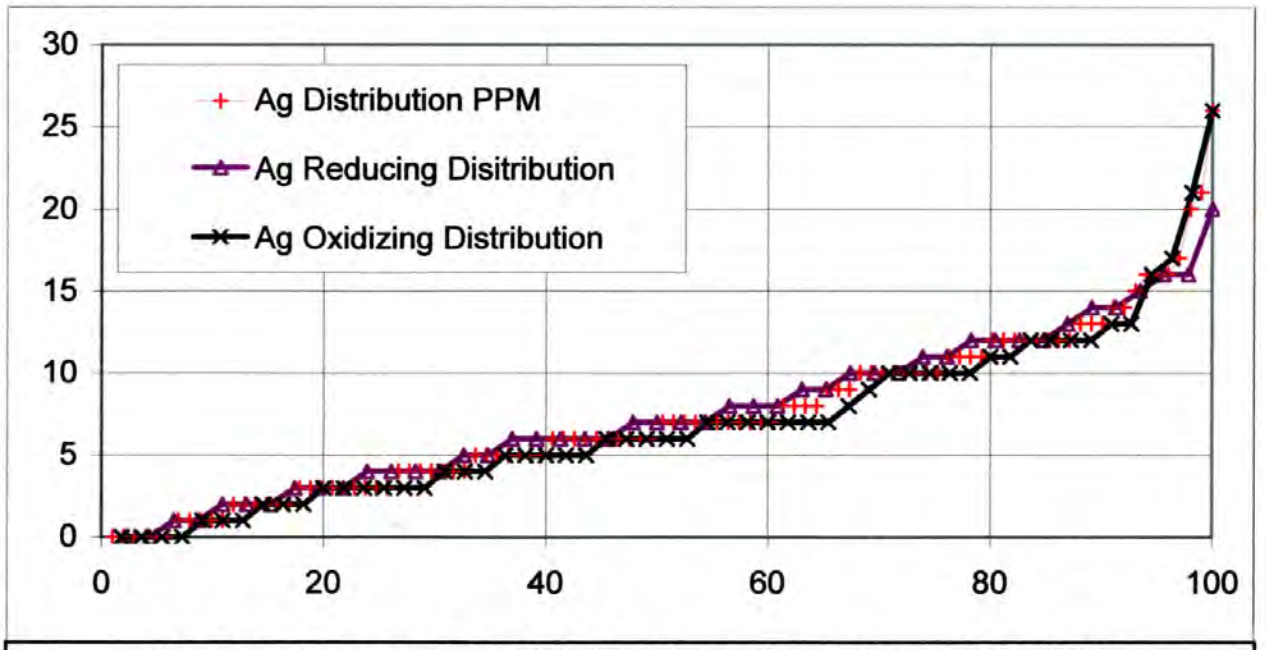
1 cm = 25 m Samples E5277165 - 7175



Reed Robinson Property - Eby Otto Tp Property November 2012

Line XL Gold Showing Near North Clain Line in Otto Tp. (X Axis = Eastings)

1 cm = 25 m Samples E5277165 - 7175

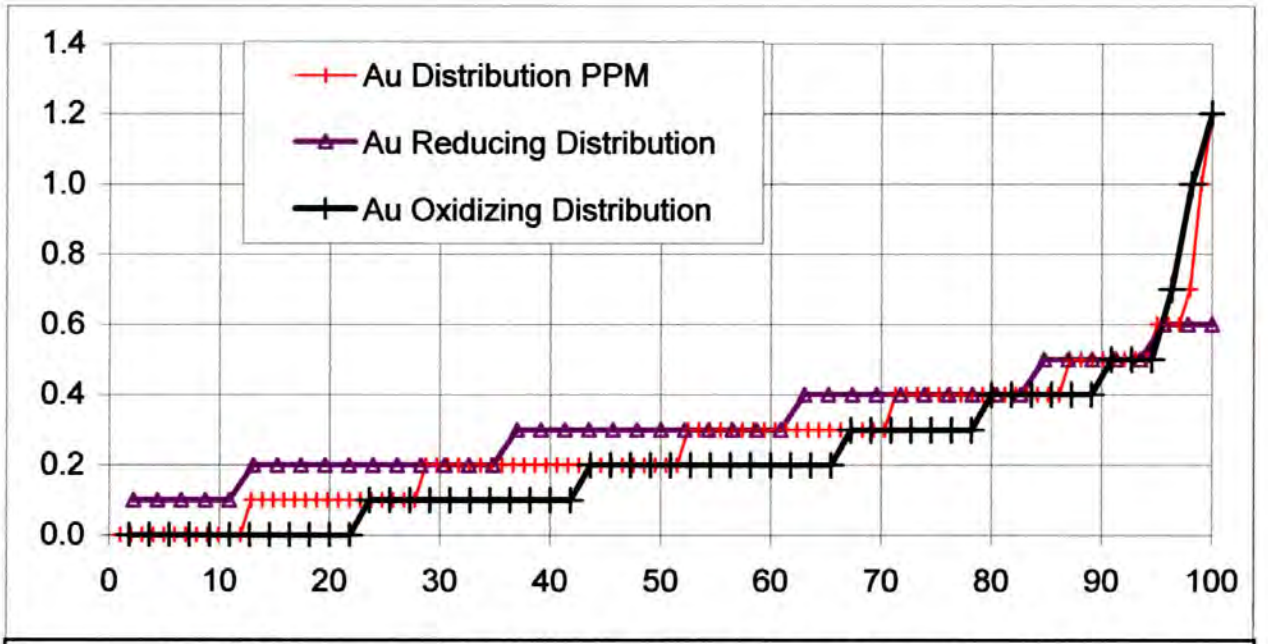


Reed Robinson - Eby Otto Tp Property November 2012

Ag^O Normalized to $Ag^R = 1.14Ag^O$ $(Ag^R / Ag^O) \sim 1.14$ (at approximately 80%)

Increment = 1 ppb Detection Limit 1 ppb

$Ag^R > 16$ anomalous. $Ag^O > 17$ anomalous.

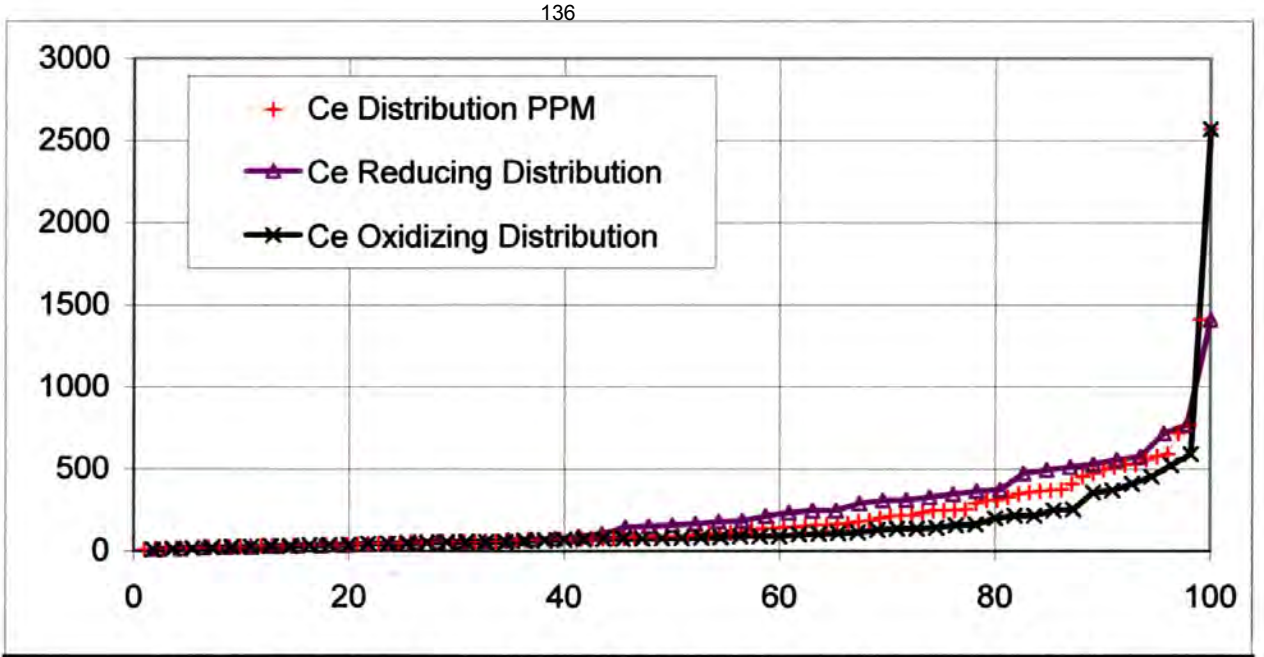


Reed Robinson - Eby Otto Tp Property November 2012

Au^O Normalized to $Au^R = 1.3Au^O$ $Au^R / Au^O \sim$ **1.3** (at approximately 75%)

Increment = 0.1 ppb Detection Limit 0.1 ppb

$Au^R > 0.6$ anomalous. $Au^O > 0.5$ anomalous.

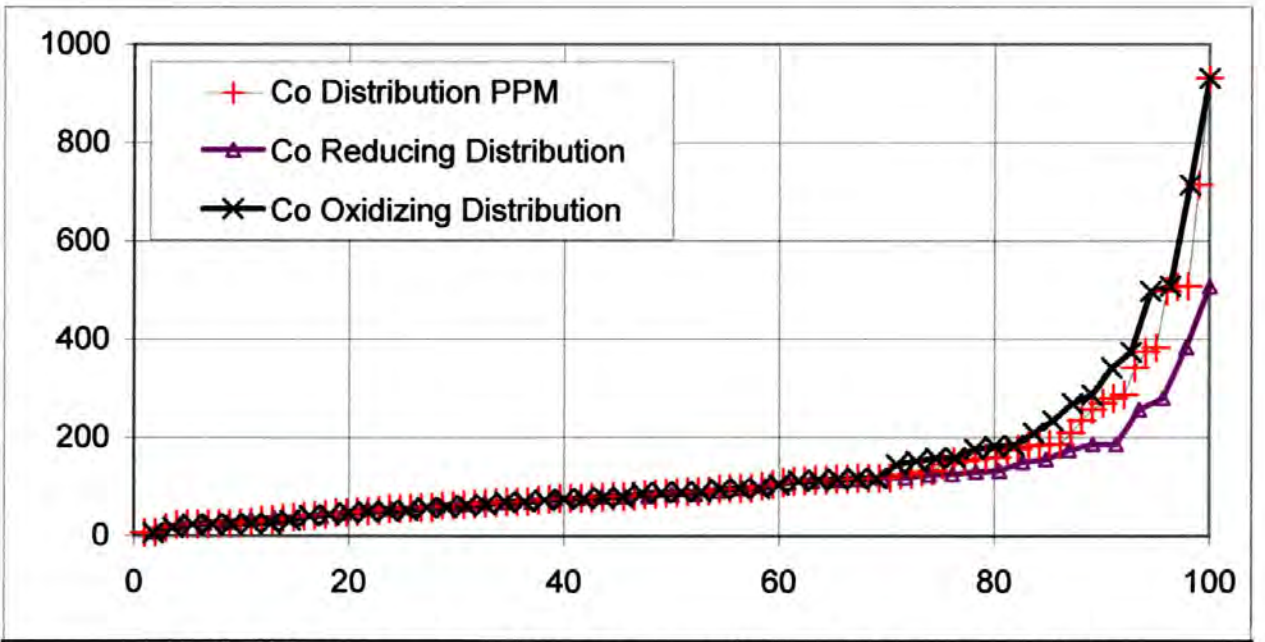


Reed Robinson - Eby Otto Tp Property November 2012

Ce^O Normalized to Au^R = 1.9CeO Ce^R / Ce^O ~ **1.9** (at approximately 80%)

Increment = 1 ppb All Samples Above Detection Limit

Ce^R 375-500 possibly mixed populations, 500-750 possibly anomalous, >750 anomalous. Ce^O 250-350 possibly mixed populations, 350-500 possibly anomalous, >500 anomalous.

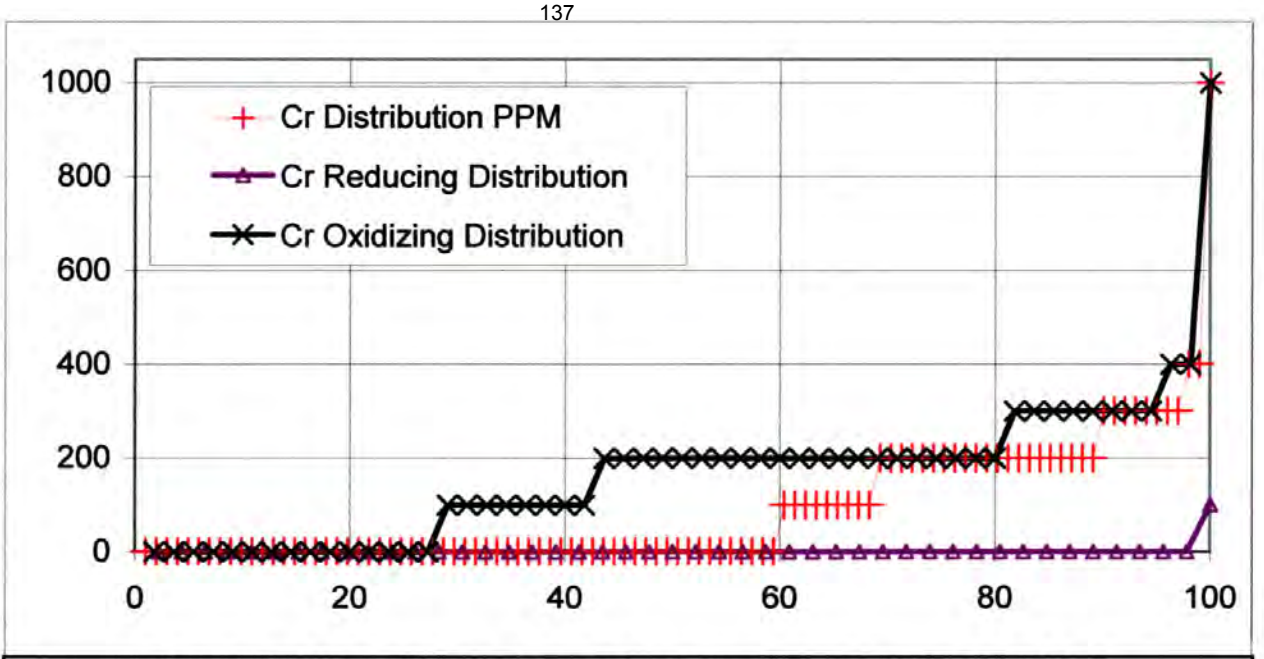


Reed Robinson - Eby Otto Tp Property November 2012

Co^O Normalized to Co^R $1.0Co^R / Co^O$ ~ **1.0** (at approximately 69%)

Increment = 1 ppb All Samples Above Detection Limit

Co^R 70-200 possibly mixed populations, 200-400 Possibly anomalous, >400 Probably anomalous. Co^O 150-200 possibly mixed populations, 200-400 possibly anomalous. >400 anomalous

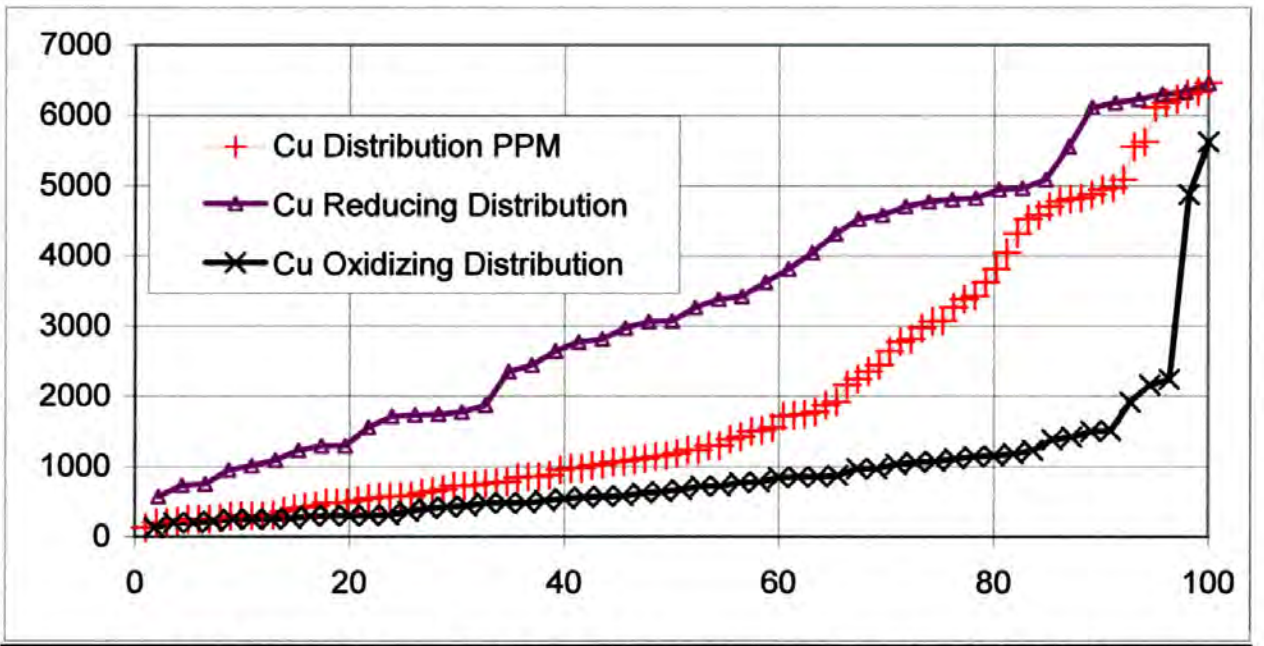


Reed Robinson - Eby Otto Tp Property November 2012

Cr^O normalized to Cr^R $0.1Cr^R / Cr^O < 0.1$ (at approximately 80%) {Not statistically valid}

Increment = 100 ppb Detection Limit 100 ppb

Cr^R only one sample above the detection limit. $Cr^O > 333$ possibly anomous for oxidized samples..

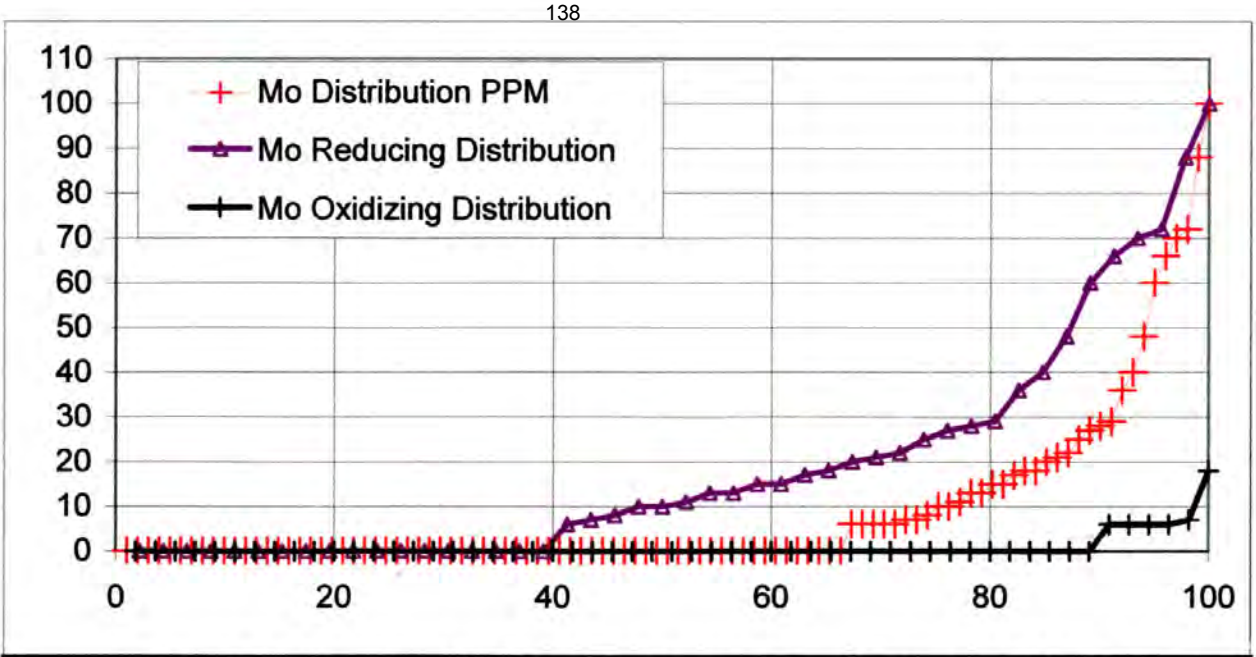


Reed Robinson - Eby Otto Tp Property November 2012

Cu^O Normalized to Cu^R $4.3Cu^O$ (CuR / CuO) ~ 4.3 (at approximately 80%)

Increment = 10 ppb All Samples Above Detection Limit

AgR 5000-6000 Possibly mixed background and anomalous, >6000 probably anomalous AgO > 1500 possibly anomous, (Note: >4000 possibly reducing environment).

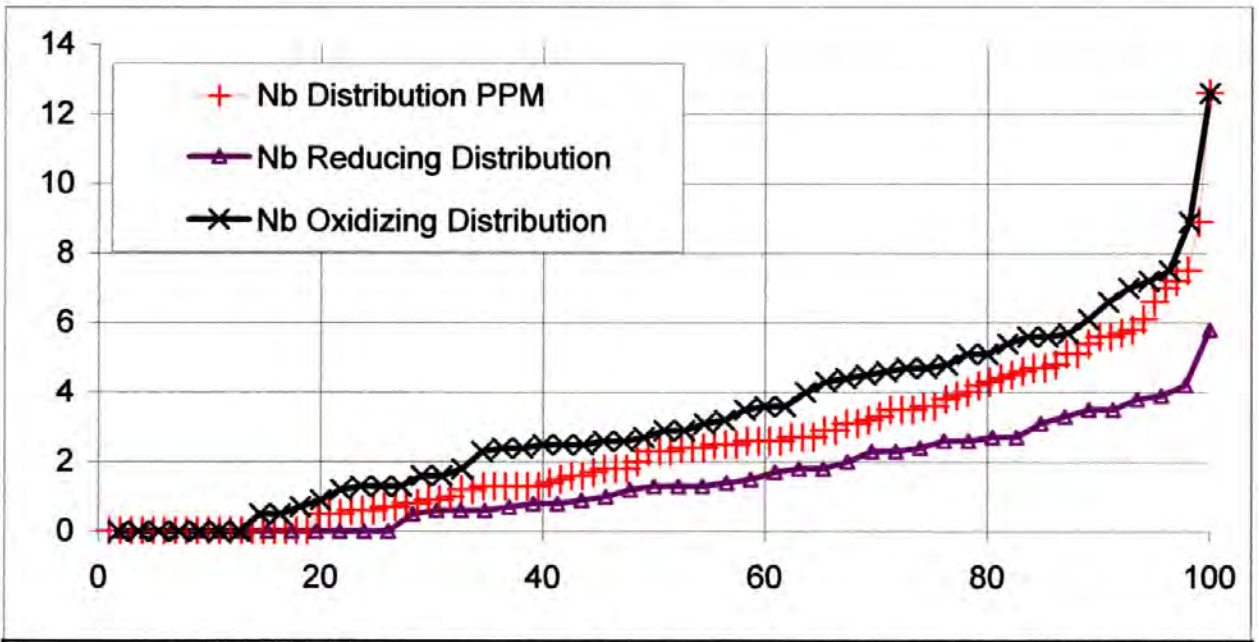


Reed Robinson - Eby Otto Tp Property November 2012

Mo^O Normalized to Mo^R 16 Mo^O Mo^R / Mo^O ~ **16** (at approximately 95%) Not statistically valid

Increment = 1 ppb Detection Limit 6 ppb

Mo^R 30-50 Possibly mixed background and anomalous, >50 probably anomalous Mo^O >0.6 possibly a

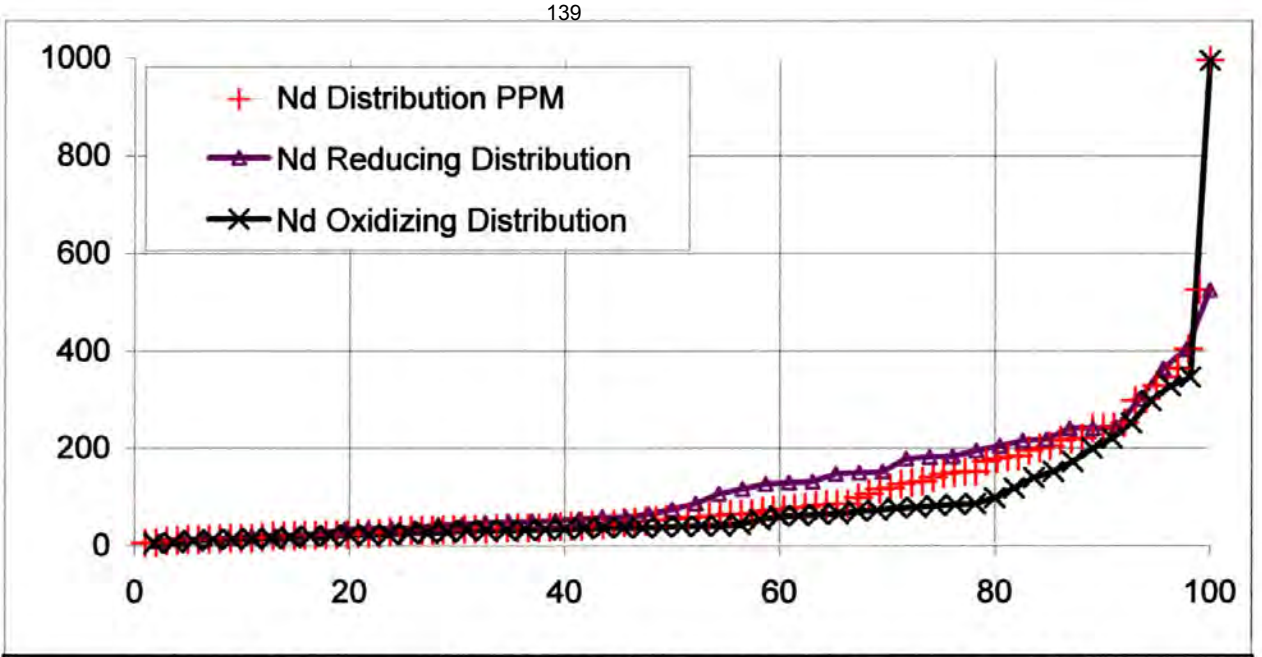


Reed Robinson - Eby Otto Tp Property November 2012

Nb^O Normalized to Nb^R $0.5Nb^O$ Nb^R / Nb^O ~ **0.5** (at approximately 80%)

Increment = 0.1 ppb Detection Limit 0.5 ppb

Nb^R >4 possibly anomalous. Nb^O 6-8 possible mixed (2) populations, >8 anomalous.

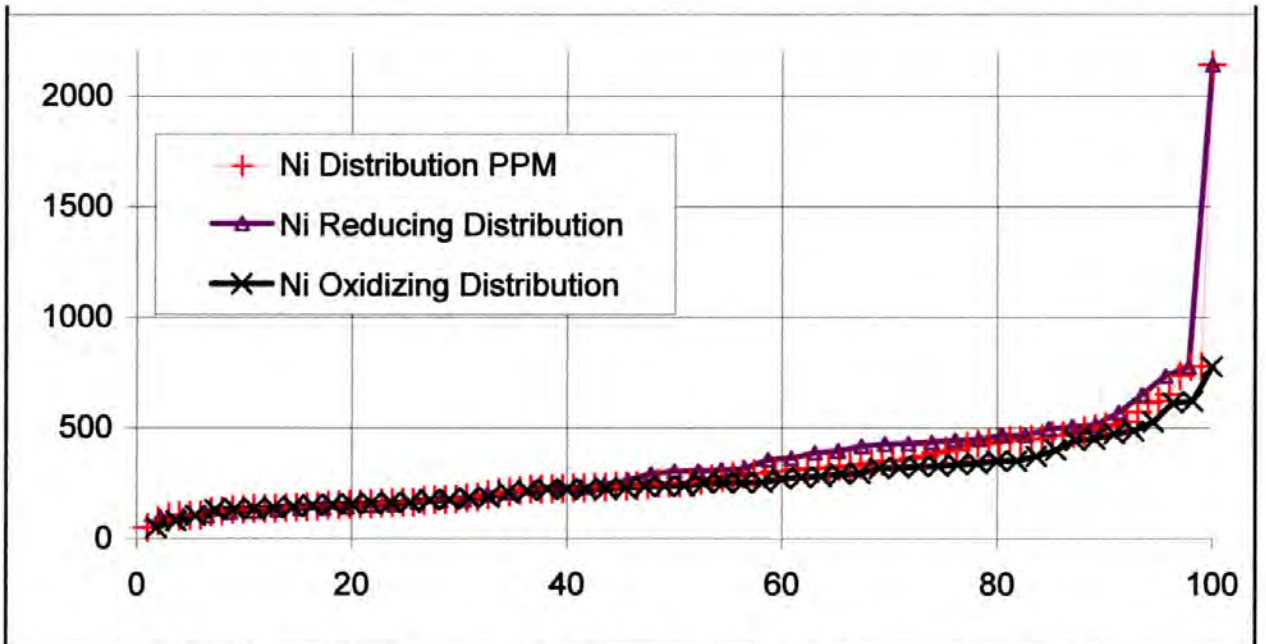


Reed Robinson - Eby Otto Tp Property November 2012

Nd^O Normalized to Nd^R $2.1Nd^O$ Nd^R / Nd^O ~ **2.1** (at approximately 80%)

Increment = 0.1 ppb Detection Limit 0.5 ppb

Nd^R 75-250 possible mixed (2) populations, 250-400 possibly anomalous. Nd^O 100-350 possibly anon

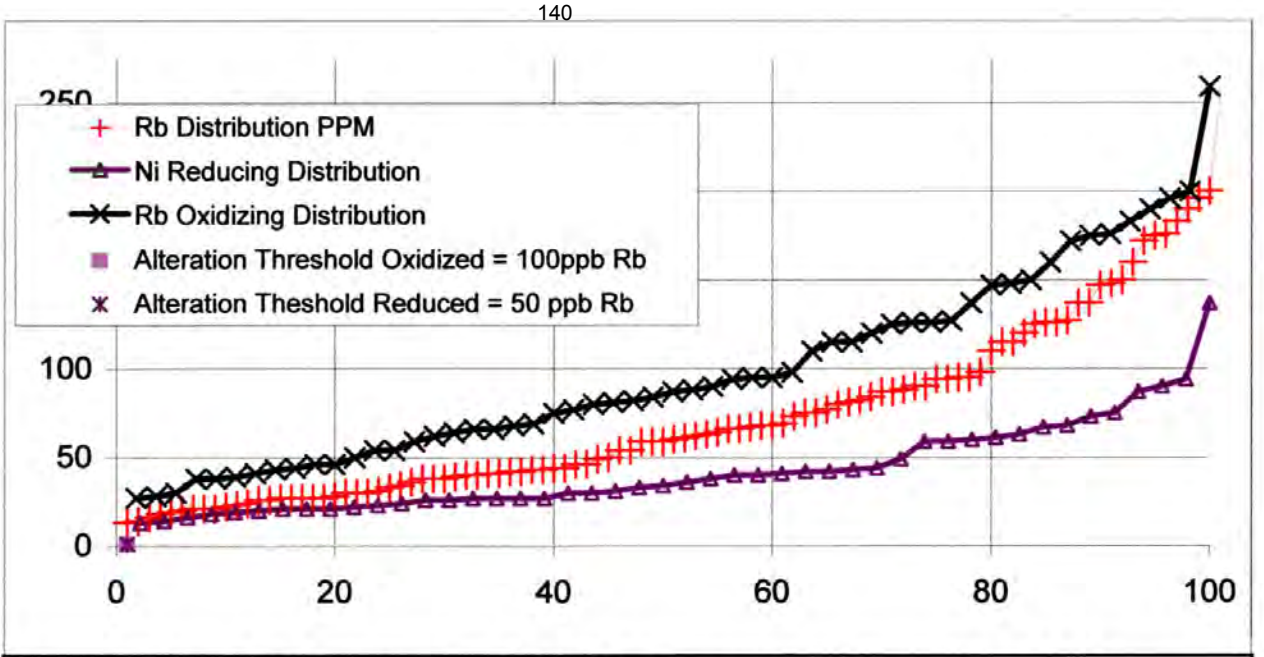


Reed Robinson - Eby Otto Tp Property November 2012

Ni^O Normalized to Ni^R $1.3Ni^O$ Ni^R / Ni^O ~ **1.3** (at approximately 80%)

Increment = 1 ppb All Samples above detection Limit

Ni^R 290-500 possible mixed (2) populations, 500-800 possibly anomalous. Ni^O 375-625 possible mixe

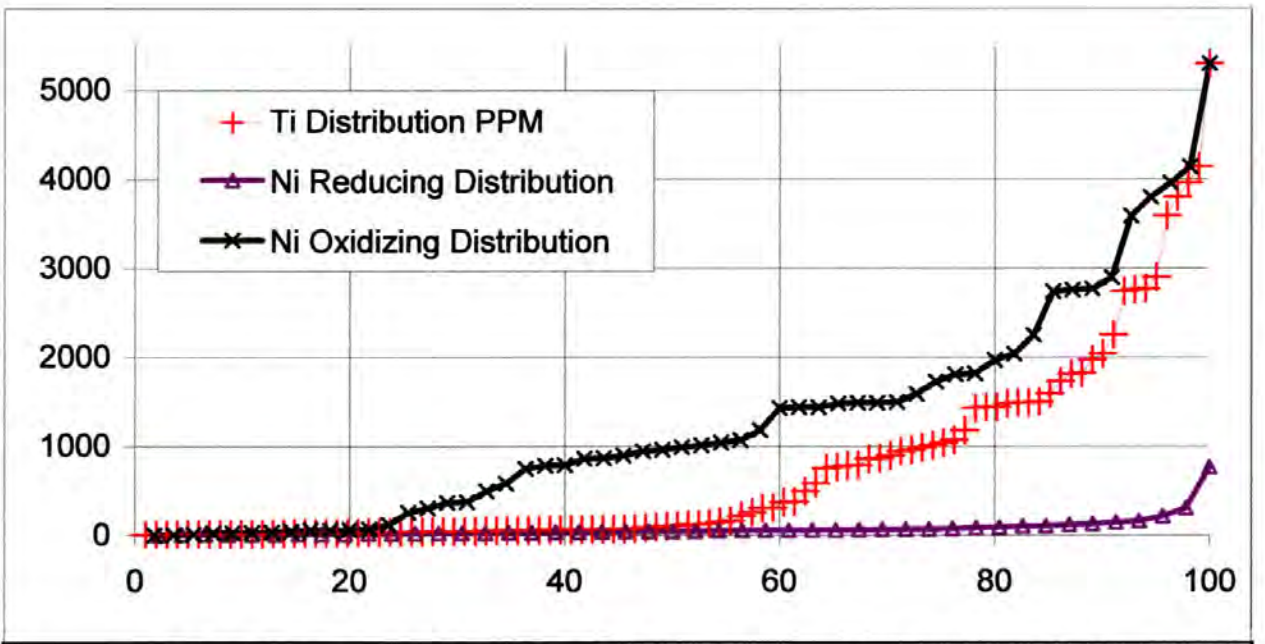


Reed Robinson - Eby Otto Tp Property November 2012

Rb^O Normalized to Rb^R $0.41Rb^O$ $Rb^R / Rb^O \sim$ **0.4** (at approximately 80%)

Increment = 1 ppb All Samples above detection Limit

Rb^R 50-Alteration Threshold. Rb^O 100-200 alteration Theshold.

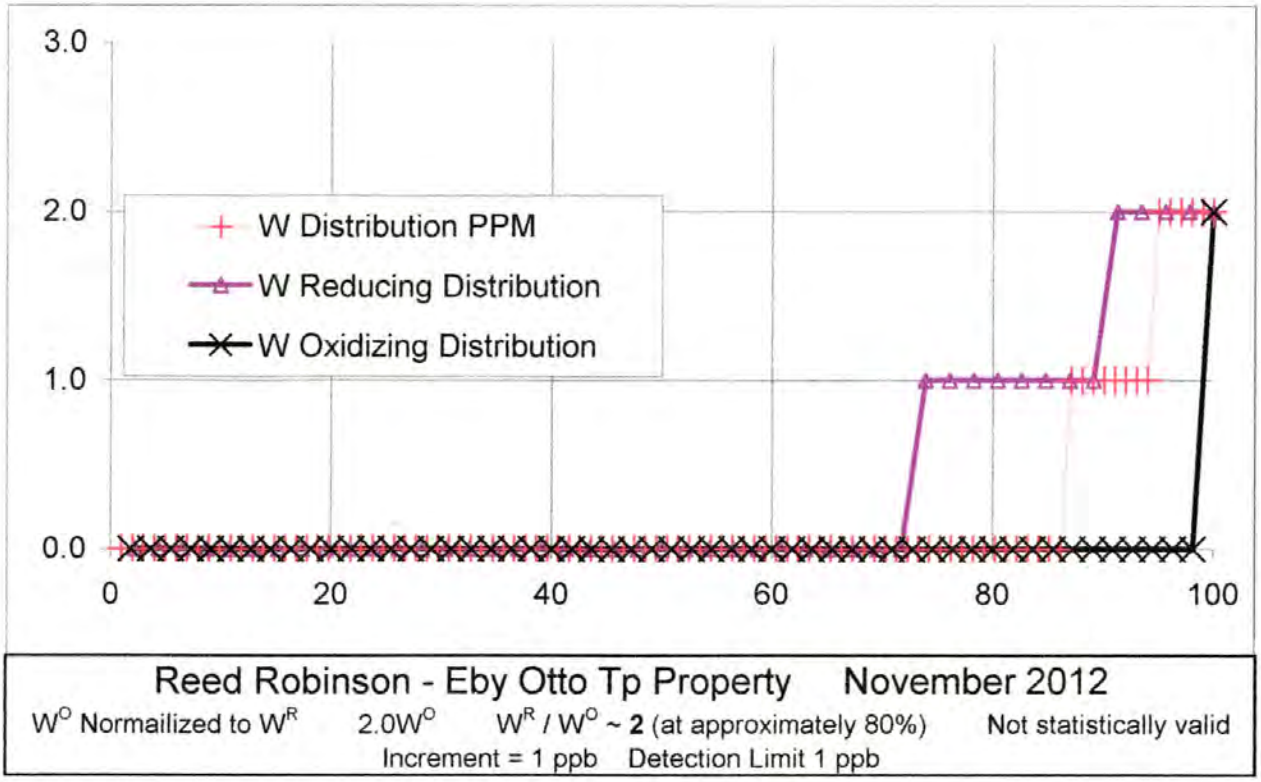


Reed Robinson - Eby Otto Tp Property November 2012

Ti^O Normalized to Ti^R $0.05Ti^O$ $Ti^R / Ti^O \sim$ **0.05** (at approximately 80%) Not statistically valid

Increment = 1 ppb Detection Limit 4 ppb

Ti^R < 200 indicates reducing environment. Ti^O 2000-4100 possible mixed population


3.0
2.0
1.0
0.0
0
20
40
60
80
100
W Distribution PPM
W Reducing Distribution
W Oxidizing Distribution
Reed Robinson - Eby Otto Tp Property November 2012
W^O Normailized to W^R 2.0W^O W^R / W^O ~ 2 (at approximately 80%) Not statistically valid
Increment = 1 ppb Detection Limit 1 ppb

Certificate of Analysis

Work Order: TO124183

To: **Douglas Robinson**
COD SGS Minerals
C/O P.O. Box 439
Whiffen Head Road
ARNOLD COVE
NF A0B 1A0

Date: Nov 16, 2012

P.O. No.	:	Doug Robinson Consulting,PO#:Eby 1
Project No.	:	-
No. Of Samples	:	38
Date Submitted	:	Nov 13, 2012
Report Comprises	:	Pages 1 to 5 (Inclusive of Cover Sheet)

Distribution of unused material:
Discard samples:

Certified By : Bruce Robertson
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable – = No result

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

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

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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SGS

Element	Ag@	Au@	Ce@	Co@	Cr@	Cu@	Mo@	Nb@	Nd@	Ni@
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	0.1	5	5	100	10	5	0.5	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
E5278010	3	0.2	30	52	200	780	<5	2.5	16	164
E5278011	3	0.2	83	117	200	720	6	3.2	37	145
E5278012	9	0.5	453	104	200	5620	<5	0.9	328	372
E5278013	10	0.4	38	79	<100	1500	<5	0.5	32	269
E5278014	<1	0.5	109	25	<100	200	<5	6.1	66	49
E5278015	1	0.3	128	73	400	620	7	7.5	71	131
E5278016	2	0.4	103	58	<100	1070	<5	2.6	73	81
E5278017	3	0.2	23	24	<100	4040	40	<0.5	16	130
E5278018	12	0.4	53	80	<100	6230	29	1.4	34	504
E5278019	14	0.4	59	77	<100	6460	27	1.3	37	512
E5278020	7	0.3	71	108	<100	5550	60	0.9	49	651
E5278021	2	<0.1	69	158	300	720	<5	2.7	37	350
E5278022	<1	0.2	13	47	1000	360	<5	5.6	6	486
E5278023	11	<0.1	77	176	200	300	<5	2.6	36	328
E5278024	8	0.1	157	124	<100	2440	<5	0.8	59	776
E5278025	5	0.6	312	7	<100	1740	<5	<0.5	364	102
E5278026	6	<0.1	49	152	300	850	<5	7.2	21	238
E5278027	1	<0.1	20	24	200	2160	<5	4.3	11	217
E5278028	<1	0.2	30	32	300	1150	<5	12.6	13	292
E5278029	5	0.3	16	88	200	1060	<5	4.7	7	253
E5278030	7	0.1	35	78	200	200	<5	5.7	18	187
E5278031	5	0.1	67	270	100	1380	<5	1.3	26	276
E5278032	6	0.2	56	714	300	1420	6	6.6	23	294
E5278033	10	0.2	25	182	200	480	<5	4.4	14	340
E5278034	10	0.2	137	117	300	310	<5	3.6	78	223
E5278035	7	0.3	90	25	100	290	<5	2.3	54	185
E5278036	7	0.1	57	87	100	130	<5	4.6	32	151
E5278037	5	0.2	100	64	200	300	6	8.9	40	104
E5278038	12	0.1	43	58	<100	250	<5	1.6	29	155
E5278039	6	1.2	78	95	200	570	<5	2.9	39	281
E5278040	13	0.1	89	96	300	480	<5	3.6	41	223
E5278041	5	<0.1	64	145	300	560	<5	2.9	32	317
E5278042	<1	0.4	308	186	<100	2640	15	3.5	127	428
E5278043	2	0.4	89	26	<100	3420	20	1.3	55	136
E5278044	1	0.4	576	38	<100	4770	10	5.8	241	355
E5278045	<1	0.1	113	112	100	400	<5	2.4	61	156
E5278046	7	0.6	103	57	<100	6110	10	2.6	75	139
E5278047	2	0.5	183	77	<100	730	<5	2.7	59	103
*Rep E5278016	<1	0.3	104	57	<100	1230	<5	2.5	80	70
*Rep E5278030	6	0.2	30	83	200	190	<5	4.6	16	201
*Rep E5278040	9	0.1	80	97	300	440	<5	3.5	37	254
*Std AMIS0169	8	0.4	655	91	<100	3550	<5	2.5	325	365
*Blk BLANK	<1	<0.1	<5	<5	<100	<10	<5	<0.5	<1	<5

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Element	Ag@	Au@	Ce@	Co@	Cr@	Cu@	Mo@	Nb@	Nd@	Ni@
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	0.1	5	5	100	10	5	0.5	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
*Blk BLANK	<1	<0.1	<5	<5	<100	<10	<5	<0.5	<1	<5

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Element	Pd@	Rb@	Ti@	W@
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	3	1
Units	ppb	ppb	ppb	ppb
E5278010	<1	77	1010	<1
E5278011	<1	66	897	<1
E5278012	<1	43	57	<1
E5278013	<1	27	58	<1
E5278014	<1	64	2770	<1
E5278015	<1	84	3800	<1
E5278016	<1	38	958	<1
E5278017	<1	73	70	<1
E5278018	<1	40	120	1
E5278019	<1	42	146	1
E5278020	<1	36	75	1
E5278021	<1	82	788	<1
E5278022	<1	39	4140	<1
E5278023	<1	95	1070	<1
E5278024	<1	27	9	<1
E5278025	<1	33	<3	<1
E5278026	<1	30	3590	<1
E5278027	<1	50	944	<1
E5278028	<1	41	5300	<1
E5278029	<1	44	1490	<1
E5278030	<1	69	1820	<1
E5278031	<1	115	376	<1
E5278032	<1	125	2740	<1
E5278033	<1	38	1970	<1
E5278034	<1	87	1590	<1
E5278035	<1	126	859	<1
E5278036	<1	172	1440	<1
E5278037	<1	137	3960	2
E5278038	<1	200	495	<1
E5278039	<1	196	1180	<1
E5278040	<1	98	1440	<1
E5278041	<1	259	782	<1
E5278042	<1	31	61	<1
E5278043	<1	20	58	<1
E5278044	<1	44	127	1
E5278045	<1	75	1040	<1
E5278046	<1	43	308	1
E5278047	<1	41	767	<1
*Rep E5278016	<1	42	836	<1
*Rep E5278030	<1	77	1460	<1
*Rep E5278040	<1	108	1460	<1
*Std AMIS0169	<1	236	373	1
*Blk BLANK	<1	<5	<3	<1

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Element	Pd@	Rb@	Ti@	W@
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	3	1
Units	ppb	ppb	ppb	ppb
*Blk BLANK	<1	<5	<3	<1

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Certificate of Analysis

Work Order: TO124182

To: **Douglas Robinson**
COD SGS Minerals
C/O P.O. Box 439
Whiffen Head Road
ARNOLD COVE
NF A0B 1A0

Date: Nov 22, 2012

P.O. No.	:	Doug Robinson,PO#:Eby 1
Project No.	:	-
No. Of Samples	:	63
Date Submitted	:	Nov 13, 2012
Report Comprises	:	Pages 1 to 5 (Inclusive of Cover Sheet)

Distribution of unused material:
Discard samples:

Certified By : Bruce Robertson
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

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

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element	Ag@	Au@	Ce@	Co@	Cr@	Cu@	Mo@	Nb@	Nd@	Ni@
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	0.1	5	5	100	10	5	0.5	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
E5277115	26	<0.1	72	51	200	300	<5	1.6	45	236
E5277116	21	0.1	157	43	100	260	<5	4.0	85	134
E5277117	5	0.1	73	342	200	220	<5	7.0	34	250
E5277118	4	0.3	253	90	200	1030	<5	5.1	153	209
E5277119	7	0.1	151	97	<100	1550	<5	0.6	107	496
E5277120	16	0.2	179	67	<100	1010	<5	0.5	132	416
E5277121	20	0.2	246	113	<100	4800	<5	1.3	179	395
E5277122	12	0.2	717	174	<100	2970	8	3.5	403	466
E5277123	14	0.1	327	69	100	1090	<5	0.7	205	304
E5277124	3	0.2	57	17	<100	840	<5	<0.5	65	135
E5277125	1	0.4	248	89	100	770	<5	2.4	200	226
E5277126	7	0.3	90	931	200	850	<5	4.8	35	473
E5277127	7	<0.1	46	374	200	1110	<5	1.2	23	443
E5277128	7	0.2	38	498	200	1230	<5	3.5	20	613
E5277129	6	0.7	357	508	100	250	<5	1.3	33	235
E5277130	11	0.3	1410	186	<100	3260	<5	2.7	525	172
E5277131	9	0.3	213	68	<100	4580	22	2.3	150	242
E5277132	4	0.3	57	55	<100	4940	18	1.8	43	198
E5277133	6	0.3	12	40	<100	4700	21	0.6	10	150
E5277134	4	0.4	45	55	<100	4820	13	0.8	35	124
E5277135	3	<0.1	136	96	200	580	<5	5.1	79	251
E5277136	8	0.1	162	115	300	540	<5	5.4	62	335
E5277137	17	0.3	409	23	200	970	<5	<0.5	346	621
E5277138	4	<0.1	199	209	<100	250	<5	5.6	87	141
E5277139	3	0.4	2570	62	200	1920	<5	0.7	995	400
E5277140	3	0.1	556	150	<100	2770	<5	1.7	241	363
E5277142	12	0.3	77	115	<100	2350	6	<0.5	48	120
E5277143	13	0.3	30	117	<100	950	<5	<0.5	22	466
E5277144	7	0.1	14	125	<100	1290	<5	<0.5	13	316
E5277145	10	0.2	32	132	<100	3810	15	<0.5	20	143
E5277146	8	0.2	41	118	<100	1290	<5	<0.5	26	96
E5277147	8	0.2	22	280	<100	750	<5	<0.5	15	232
E5277148	12	0.3	145	85	<100	3060	11	1.0	87	154
E5277149	10	0.1	524	234	<100	2240	18	4.7	252	251
E5277150	11	0.2	51	6	<100	480	<5	<0.5	99	160
E5277151	12	0.1	215	69	<100	670	<5	0.5	140	450
E5277152	4	0.3	369	49	<100	870	<5	<0.5	298	178
E5277153	12	0.4	215	76	<100	1140	<5	<0.5	221	320
E5277165	3	<0.1	55	287	200	420	<5	2.5	26	527
E5277166	13	<0.1	75	113	<100	640	<5	1.3	37	325
E5277167	6	1.0	590	70	400	1510	<5	4.5	173	224
E5277168	12	0.4	73	41	<100	1180	<5	<0.5	119	228
E5277169	16	0.5	8	24	<100	970	<5	<0.5	24	175

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Element	Ag@	Au@	Ce@	Co@	Cr@	Cu@	Mo@	Nb@	Nd@	Ni@
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	0.1	5	5	100	10	5	0.5	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
E5277170	6	0.6	495	155	<100	4960	13	1.8	243	228
E5277171	<1	0.2	246	257	<100	2810	28	3.8	130	735
E5277172	4	0.5	68	84	<100	4520	88	1.2	51	165
E5277173	9	0.2	511	91	<100	4310	70	3.3	216	304
E5277174	3	0.2	528	101	<100	3620	72	3.9	184	448
E5277175	6	0.2	373	81	<100	3070	66	2.4	148	386
E5277176	7	0.2	81	159	200	510	<5	3.1	41	351
E5277177	10	<0.1	26	75	100	440	<5	1.8	16	163
E5277178	4	0.5	347	383	<100	1770	<5	1.5	152	2140
E5277179	16	0.4	20	28	<100	1710	<5	<0.5	52	310
E5277180	6	0.5	36	62	<100	570	<5	<0.5	22	207
E5277181	10	0.5	33	47	<100	1230	<5	<0.5	35	263
E5277182	5	0.4	55	65	<100	5080	17	0.6	43	232
E5277183	11	0.4	291	36	<100	6330	100	2.6	182	293
E5277184	2	0.3	233	33	<100	3380	48	2.3	117	426
E5277185	6	0.4	365	80	<100	6300	25	3.1	196	435
E5277186	2	0.2	142	184	<100	4870	6	2.5	83	777
E5277187	15	0.3	472	130	<100	6180	7	2.0	219	444
E5277188	10	0.3	166	507	<100	1870	<5	<0.5	65	570
E5277189	1	0.3	769	111	<100	1730	36	4.2	301	174

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Element	Pd@	Rb@	Ti@	W@
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	3	1
Units	ppb	ppb	ppb	ppb
E5277115	<1	88	582	<1
E5277116	<1	150	1500	<1
E5277117	<1	54	2760	<1
E5277118	<1	46	1480	<1
E5277119	<1	137	29	<1
E5277120	<1	63	11	<1
E5277121	<1	75	24	<1
E5277122	<1	94	42	<1
E5277123	<1	90	9	<1
E5277124	<1	28	<3	<1
E5277125	<1	66	989	<1
E5277126	<1	190	2040	<1
E5277127	<1	183	306	<1
E5277128	<1	95	1430	<1
E5277129	<1	126	256	<1
E5277130	<1	27	85	<1
E5277131	<1	30	42	1
E5277132	<1	27	104	<1
E5277133	<1	21	40	1
E5277134	<1	24	41	<1
E5277135	<1	94	2900	<1
E5277136	<1	147	2250	<1
E5277137	<1	115	45	<1
E5277138	<1	176	1810	<1
E5277139	<1	110	69	<1
E5277140	<1	27	161	<1
E5277142	<1	13	22	<1
E5277143	<1	40	25	<1
E5277144	<1	49	8	<1
E5277145	<1	14	18	<1
E5277146	<1	22	12	<1
E5277147	<1	38	17	<1
E5277148	<1	18	46	<1
E5277149	<1	80	64	<1
E5277150	<1	90	4	<1
E5277151	<1	148	8	<1
E5277152	<1	127	27	<1
E5277153	<1	59	24	<1
E5277165	<1	160	867	<1
E5277166	<1	175	366	<1
E5277167	<1	81	1730	<1
E5277168	<1	68	23	<1
E5277169	<1	62	34	<1

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Element Method Det.Lim. Units	Pd@ MMI-M5 1 ppb	Rb@ MMI-M5 5 ppb	Ti@ MMI-M5 3 ppb	W@ MMI-M5 1 ppb
E5277170	<1	19	53	<1
E5277171	<1	42	214	<1
E5277172	<1	16	57	<1
E5277173	<1	21	62	2
E5277174	<1	23	103	2
E5277175	<1	26	69	2
E5277176	<1	120	1490	<1
E5277177	<1	54	749	<1
E5277178	<1	61	30	<1
E5277179	<1	59	11	<1
E5277180	<1	60	7	<1
E5277181	<1	30	10	<1
E5277182	<1	67	51	<1
E5277183	<1	26	67	2
E5277184	<1	21	36	1
E5277185	<1	34	59	2
E5277186	<1	46	119	<1
E5277187	<1	68	35	<1
E5277188	<1	87	24	<1
E5277189	<1	59	90	<1

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INVOICE

Invoice Number	: 10646724
Date	: 23-NOV-12
Page	: 1 /1

COD SGS MINERALS
COD - HST, P O BOX 439
WHIFFEN HEAD ROAD
ARNOLD COVE NF A0B 1A0
Canada

Customer Number	272831
Currency	CAD
Payment Term	Due immediately
Due Date	23-NOV-12
SGS Order No.	536393

Customer Reference Attn: Douglas Robinson
Doug Robinson Consulting
Box 218 Swastika ON
P0K 1T0
Canada

Order source reference number: 0000030731
WO#:TO124183: Doug Robinson,PO#:Eby 1

Item	Description	Quantity	UoM	Unit Price	Net Amount	Amount
37347	**Mobile Metal Ion Analysis** MMI-M5 Multi-Element Package/ 14 el/Q12.0171 GFM Acc. 4000 Certificate(s) / Report(s) No(s). Doug Robinson,PO#:Eby 1 WO#TO124182	63	Ea	32.60	2,053.80	2,320.79
37347	**Mobile Metal Ion Analysis** MMI-M5 Multi-Element Package GFM Acc. 4000 Certificate(s) / Report(s) No(s). Doug Robinson Consulting,PO#:Eby 1 WO#TO124183	38	Ea	32.60	1,238.80	1,399.84
					HST	428.03
					Net Amount CAD	3,292.60
					Sum of Tax CAD	428.03
					Total Amount CAD	**3,720.63**

Contact Name:	LEE, MA LYRA
Direct line:	416-445-5755 ext 3223
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Reed - Robinson Property: East Part Eby - Otto Claims *Line 200S* (Otto Tp.)

Sample Number	Interval Easting		Line		Depth Organics cm	Sample Interval cm		Weight Grams	Soil Type		Sample Description
E5277115	4450	E	200	S	5	15-30		441	Sand	O	5 cm organics. 5-30 cm red sand with minor rounded pebbles to 10 mm from among boulders. Northeast slop. Recent clear cut. **4450E-200S** picket found and identified. Line 200S laid out at 090° and picketed at 25m intervals.
E5277116	4475	E	200	S	5	15-30		417	Sand	O	5 cm organics. 5-30 cm light yellow and dark brown sand with angular to rounded pebbles to 10 mm from among small boulders. Northeast slope. Recent clear cut.
E5277117	4500	E	200	S	10	20-35		335	Sand	O	10 cm black humus. 10-35 cm medium red sand (10-20 cm pale yellow sand) with minor angular pebbles to 10 mm from among boulders. East slope, poplar
E5277118	4512.5	E	200	S	5	15-30		467	Sand	O	5 cm black humus. 5-30 cm dark red sand with grit to 3 mm from among boulders. Flat ground approximately 0.5 meters above the swamp level to the east.
E5277119	4525	E	200	S	10	20-35		465	Clay	R	10 cm black humus 10-35 medium gray clay with no grit or pebbles. Flat balsam swamp.. Water in hole.
E5277120	4537.5	E	200	S	15	25-40		428	Clay	R	15 cm black humus 15-40 cm medium gray clay with no grit or pebbles. Flat balsam swamp.. Water in hole.
E5277121	4550	E	200	S	30	40-55		440	Clay	R	30 cm black humus 15-40 cm medium gray clay with no grit or pebbles. Flat alder swamp.. Water in hole. At line location **4550E-200S** (no original picket found). Location identified from picket **4550E-225S** to the south of this station..
E5277122	4562.5	E	200	S	25	35-50		431	Clay	R	25 cm black humus 25-50 cm medium dark clay with no grit or pebbles. Flat alder swamp.. Water in hole.
E5277123	4575	E	200	S	20	30-45		451	Clay	R	20 cm black humus 20-45 cm medium-dark gray clay with no grit or pebbles. Flat balsam swamp.. Water in hole.
E5277124	4587.5	E	200	S	5	15-30		327	Silt	R	5 cm black humus 5-30 cm pale yellow clay with no grit or pebbles. Flat balsam swamp.. Appears to be intermediate between reducing and oxidizing environment. Water in hole. Field logged as oxidized, Changed to reduced based on Ti = 0 ppb.

E5277125	**4600**	E	200	S	35	45-60		**392**	Sand	O	30 cm black humus 35-60 cm (pale) yellow sand with angular to rounded pebbles to 10 mm in many boulders. Appears to be intermediate between reducing and oxidizing environment. West slope, balsam. Water in hole.
E5277126	**4625**	E	200	S	5	15-30		**423**	Sand	O	5 cm organics. 5-30 cm medium brown sand with many semi-angular to rounded pebbles to 10 mm among many boulders. West slope, clear cut with balsam left
E5277127	**4650**	E	200	S	5	15-30		**386**	Sand	O	5 cm organics. 5-30 cm dark red sand with rounded pebbles to 10 mm among many boulders. West slope, clear cut with balsam left standing. Line **4650E** did not survive the recent clear-cutting.

Reed - Robinson Property: Central Part Eby - Otto Claims *Line 4000E* (Eby - Otto Tp Line)

Sample Number	Line		**Interval Northing**		Depth Sample Organi cs	Interval cm		**Weight Grams**	Soil Type		Sample Description
E5277128	4000	E	**2**	N	10	20-35		**349**	Sand	O	10 cm black humus. 10-35 cm med brown sand with many sub-angular to rounded pebbles to 15 cm from among many boulders. North slope at north edge of recent push out from the power line to the south. The base line in this area is inaccessible; covered by many pushed down and cut down trees pushed from the power line right of way onto the base line..
E5277129	4000	E	**25**	N	5	15-30		**463**	Sand	O	5 cm black humus. 5-30 cm medium yellowish brown sand with many rounded pebbles to 10 cm from among many boulders. Wet hole. North slope.
	4000	E	**050**	N					NA	O	No Sample. Four holes drilled from Black humus directly into boulders with no mineral soil recovered.
E5277130	4000	E	**54**	N	65	75-90		**469**	Clay	R	75 cm black humus. 65-90 cm pale gray clay. No pebbles or grit. White cedar swamp.
E5277131	4000	E	**65**	N	90	100-115		**320**	Clay	R	90 cm black humus. 90-115 cm light gray clay with no pebbles or grit. 5 cm transitional from black humus to clay. White cedar swamp.
E5277132	4000	E	**75**	N	125	135-150		**411**	Clay	R	125 cm black humus. 135-150 cm light gray clay with no pebbles or grit. White cedar swamp.

E5277133	4000	E	**87.5**	N	90	100-115		**373**	Clay	R	125 cm black humus. 135-150 cm light gray clay with trace fine grit to </=0.3cm.. White cedar swamp.
E5277134	4000	E	**95**	N	55	65-80		**402**	Clay	R	0-50cm black humus. 50-60 cm black humus and boulders. 60-80 cm light gray clay with trace fine grit to </=0.3cm. White cedar swamp.
NA	4000	E	**100**	N					NA		Augered directly from Black humus into boulders with no mineral soil recovered. No sample at this interval.
E5277135	4000	E	**112.5**	N	10	20-35		**445**	Sand	O	0-10 organics. 10-25 cm red sand with sub-angular to sub-rounded pebbles to 10 cm from among boulders. Balsam fir, well drained.
E5277136	4000	E	**125**	N	10	20-35		**492**	Sand	O	0-10 organics. 10-25 cm red sand with sub-angular to sub-rounded pebbles to 10 cm from among boulders. Balsam fir, well drained.
E5277137	4000	E	**150**	N	5	15-30		**472**	Clay	O	5 cm black humus. 10-30 cm light yellowish gray clay with no pebbles or grit. Narrow alder swamp. Low Ti values indicate this is a reduced soil. This is probably transition due to alternating wet dry conditions.
E5277138	4000	E	**175**	N	5	15-30		**449**	Clay	O	5 cm black humus. 10-30 cm light yellowish clay with no pebbles or grit. Balsam Fir, well drained.
E5277139	4000	E	**200**	N	5	15-30		**449**	Clay	O	5 cm black humus. 10-30 cm light yellowish clay with no pebbles or grit. Balsam Fir, well drained.
E5277140	4000	E	**225**	N	10	20-35		**320**	Clay	R	10 cm black humus. 20-35 cm medium gray clay with no pebbles or grit. Alder swamp 4m east of line. The line is along beaver dam with the water draining east..
E5277141	N.A..	E	**N.A..**	N	N.A..						No Sample

Reed - Robinson Property: Central Part Eby - Otto Claims *Line 3800E* (Eby Tp)

Sample Number	Line		Interval Northing		Depth Organics	Sample Interval cm		Weight Grams	Soil Type		Sample Description
E5277142	3800	E	25	S	65	75-90		320	Clay	R	65 cm black humus. 65-90 cm light gray clay with no pebbles or grit. White cedar swamp. No picket found.
E5277143	3800	E	12.5	S	55	65-80		389	Clay	R	55 cm black humus. 55-80 cm light gray clay with no pebbles or grit. White cedar swamp.
E5277144	3800	E	0	N	25	35-50		384	Clay	R	25 cm black humus. 20-50 cm light brown clay with trace fine grit </= 0.1 mm. White cedar swamp. Original picket found.
E5277145	3800	E	12.5	N	80	90-105		425	Clay	R	80 cm black humus. 80-105 cm light gray clay with no pebbles or grit. White cedar swamp.
E5277146	3800	E	25	N	45	55-70		369	Clay	R	0-45 cm black humus. 45-70 cm light gray clay with no pebbles or grit. White cedar swamp. Original picket found.
E5277147	3800	E	37.5	N	45	55-70		369	Clay	R	0-45 cm black humus. 45-70 cm light brownish gray clay with no pebbles or grit. White cedar swamp.
E5277148	3800	E	50	N	65	75-90		448	Clay	R	0-65 cm black humus. 65-90 cm light yellowish gray clay with no pebbles or grit. White cedar swamp. Original picket found.
E5277149	3800	E	62.5	N	40	50-65		314	Clay	O	0-40 cm black humus. 40-65 cm medium brownish gray clay with no pebbles or grit. White cedar balsam swamp. Very low Ti analysis indicate these are reduced C horizon soils.
E5277150	3800	E	75	N	40	50-65		314	Clay	O	0-40 cm black humus. 40-65 cm light yellowish gray clay with no pebbles or grit. White cedar balsam at edge of swamp. Original picket found. Very low Ti analysis indicate these are reduced C horizon soils.
E5277151	3800	E	87.5	N	15	15-40		501	Clay	O	01-5 cm black humus. 15-30 cm light brown clay with no pebbles or grit. Flat with balsam. Very low Ti analysis indicate these are reduced C horizon soils. .
E5277152	3800	E	100	N	5	15-30		501	Clay	O	0-5 cm black humus. 5-30 cm light brown clay with no pebbles or grit. Flat with balsam.. Original picket found. Very low Ti analysis indicate these are reduced C horizon soils.

E5277153	3800	E	125	N	5	15-30		501	Clay	O	0-5 cm black humus. 5-30 cm light yellow clay with no pebbles or grit. Flat with balsam at south edge of alders. Near beaver pond to northwest. Original picket not found. Very low Ti analysis indicate these are reduced C horizon soils.

Reed - Robinson Property: Northeast Part Eby - Otto Claims *Diagonal Line XL* (Otto Tp)

Sample Number	Interval Easting		Line		Depth Organics	Sample Interval cm		Weight Grams	Soil Type		Sample Description
E5277165	0	E	XL	N	5	15-30		360	Sand	O	0-5 organics. 5-30 Red sand with minor semi-angular pebbles from among boulders. Balsam fir, well drained. Picket Established.
E5277166	12.5	E	XL	N	10	20-35		276	Sand	O	0-10 organics. 10-35 red sand with minor semi-angular pebbles from among boulders. Balsam fir, well drained. 1994 grid location **4300E-369N** (4 paces 6 m south of 1994 line picket 4300E-475N).
E5277167	25	E	XL	N	45	55-70		791	Sand	O	0-45 black humus. 45-70 cm pale yellow sand. Auger passed through boulders and black humus from 35 45cm. Balsam fir, very wet. Appears to be aquifer from bedrock surface to swamp to the northeast. Located north east of 1994 bedrock samples #5967 (**19,749 ppb Au**) and #5968 (237 ppb Au).
E5277168	37.5	E	XL	N	5	15-30		519	Clay	O	0-5 black humus. 5-30 pale yellow clay with minor angular grit to 2 mm from among boulders. Many 0.5-1.0 m boulders on surface. Very wet sample. Balsam fir swamp..
E5277169	50	E	XL	N	35	45-60		489	Clay	O	0-35 black humus. 35-60 cm yellow clay with no pebbles or grit. Wet sample. Balsam fir - alder swamp.
E5277170	62.5	E	XL	N	80	90-105		367	Clay	R	0-80 black humus. 80-105 paler gray clay with no pebbles or grit. Balsam fir - alder swamp.
E5277171	75	E	XL	N	65	75-90		442	Clay	R	0-65 black humus. 65-90 cm dark gray clay with no pebbles or grit. Probably organic mater causes dark gray color. Balsam fir - alder swamp.
E5277172	87.5	E	XL	N	85	95-110		321	Clay	R	0-85 black humus. 85-110 cm light gray clay with no pebbles or grit. White cedar - alder swamp. **At original picket** (1994) **4350E-425N.**

E5277173	100	E	XL	N	95	105-120		363	Clay	158	R	0-85 black humus. 85-110 cm medium greenish gray clay with extremely fine grit (</= 0.1 mm).. Probably organic mater causes medium gray color. White cedar - alder swamp.
E5277174	112.5	E	XL	N	125	135-150		424	Clay		R	0-165 black humus. 175-190 cm medium greenish gray clay with no pebbles or grit. Probably organic mater causes medium gray color. White cedar - alder swamp.
E5277175	125	E	XL	N	165	175-190		372	Clay		R	0-125 black humus. 125-150 cm medium greenish gray clay with no pebbles or grit. Does not appear to have organic mater. White cedar swamp.

Reed - Robinson Property: Northeast Part Eby - Otto Claims *Line 465N* (Otto Tp. North Claim Line)

Sample Number	Interval Easting	Line		Depth Organics cm	Sample Interval cm		Weight Grams	Soil Type		Sample Description
E5277176	4125	E	465	N	5	15-30	429	Sand	O	0-5 organics. 5-30 Dark red sand with minor semi-angular pebbles from among boulders. Balsam fir, well drained east slope.
E5277177	4150	E	465	N	5	15-30	390	Sand	O	0-5 organics. 5-30 Dark red sand with minor semi-angular pebbles with minor moderate rounded pebbles to 15 cm from among boulders. From 5-10 cm gray sand. Balsam fir, well drained flat area near outcrops on east slope.
E5277178	4175	E	465	N	35	45-60	473	Clay	R	0-35 cm black humus. 35-60 cm medium greenish yellowish gray clay with minor fine grit (</= 0.3 mm).. Augered through boulders and black humus, then into black humus before intersecting clay. Balsam fir - alder swamp.
E5277179	4187.5	E	465	N	35	45-60	465	Clay	R	0-35 cm black humus. 35-60 cm light yellowish gray clay with minor grit (</= 1 mm).. White cedar - balsam fir - alder swamp.
E5277180	4200	E	465	N	40	50-65	499	Clay	R	0-40 cm black humus. 40-65 cm light yellow clay with minor grit (</= 1 mm).. White cedar - balsam fir - alder swamp.
E5277181	4212.5	E	465	N	65	75-90	458	Clay	R	0-65 cm black humus. 65-90 cm light yellow gray clay with no pebbles or grit. White cedar - balsam fir - alder swamp.

E5277182	4225	E	465	N	70	80-95		482	Clay	R	0-70 cm black humus. 70-95 cm light gray clay with no pebbles or grit. White cedar - balsam fir - alder swamp.
E5277183	4237.5	E	465	N	85	95-110		476	Clay	R	0-85 cm black humus. 85-110 cm light gray clay with no pebbles or grit. White cedar - balsam fir - alder swamp.
E5277184	4250	E	465	N	65	75-90		477	Clay	R	0-65 cm black humus. 65-90 cm light gray clay with no pebbles or grit. White cedar - alder swamp.
E5277185	4262.5	E	465	N	75	85-100		412	Clay	R	0-75 cm black humus. 75-100 cm light gray clay with no pebbles or grit. White cedar - alder swamp.
E5277186	4275	E	465	N	50	60-75		348	Clay	O	0-50 cm black humus. 50-75 cm medium brown clay with no pebbles or grit. White cedar - alder swamp.
E5277187	4287.5	E	465	N	45	55-70		456	Clay	R	0-45 cm black humus. 45-70 cm light gray clay with no pebbles or grit. White cedar - alder swamp.
E5277188	4300	E	465	N	25	35-50		413	Clay	R	0-25 cm black humus. 25-50 cm light yellowish gray clay with minor grit to </=0.3 mm. White cedar swamp.
E5277189	4325	E	465	N	45	55-70		445	Clay	R	0-45 cm black humus. 45-70 cm medium gray clay with no pebbles or grit. White cedar swamp.
	4326	E	466	N	46	55-71		446			

Reed - Robinson Property: West Part Eby - Otto Claims *Line 2500E* (Eby Tp)

Sample Number	Line		Interval Northing		Depth Organics	Sample Interval cm		Weight Grams	Soil Type		Sample Description
E5278010	2500	E	362.5	N	10	20-35		618	Sand	O	0-10 black humus. 10-35 fine (dark brown) red sand with minor pebbles. Sample from among boulders beside outcrop.
E5278011	2500	E	350	N	10	20-35		881	Sand	O	0-10 black humus. 10-35 cm fine medium brown sand with many pebbles from among boulders.
E5278012	2500	E	337.5	N	15	25-40		990	Clay	O	0-15 black humus 15-40 hard packed dark brownish gray clay with no pebbles or grit from among boulders.
E5278013	2500	E	325	N	15	25-40		891	Clay	O	0-15 black humus 15-40 light yellow **gray** clay with minor fine grit to </= 0.1 mm, from among boulders
E5278014	2500	E	312.5	N	10	20-35		510	Sand	O	0-10 cm black humus. 10-30 cm fine medium yellow sand and 30-35 cm medium yellowish grey sand all from among boulders..
No Sample	2500	E	300	N		NA			Outcrop	O	Outcrop. No Sample
E5278015	2500	E	287.5	N	10	20-35		735	Sand	O	Fine medium yellowish brown sand with minor angular pebbles among boulders. Sample replaces sample 300N in the sample sequence.
E5278016	2500	E	285	N	5	15-30		664	Sand	O	0-5 cm black humus. 5-30 pale yellow sand and angular pebbles. Approximately 1 meter south of outcrop. Passed through boulders into the sand b below.
No Sample	2500	E	278	N							0-120 cm black humus with boulders at 30 cm. No sample.
E5278017	2500	E	275	N	190	200-210		480	Clay	R	0-190 black humus. 190-210 pale gray clay with fine grit to 0.3 mm and two tiny pebbles. The sample is very wet and fluid indicating this may be fine silt, not clay. Broke auger handle at 100m down the first hole. The auger not recovered.
E5278018	2500	E	260	N	275	285-300		488	Clay	R	275 cm black humus. 275-300 cm pale gray clay with no pebbles or grit. Like putty. Swamp
E5278019	2500	E	250	N	265	275-290		466	Clay	R	265 cm black humus. 275-300 cm pale gray clay with no grit or pebbles.. Like putty. Swamp
E5278020	2500	E	237.5	N	205	215-230		480	Clay	R	205 cm black humus. 205-230 cm pale gray clay with no grit or pebbles.. Like putty. Swamp
No Sample	2500	E	231	N	190	NA		NA	NA		1.9 cm black humus. Boulders at 1.9 m.
No Sample	2500	E	228	N	210	NA		NA	NA		210 cm black humus. From 210-230 cm black humus and boulders.

No Sample	2500	E	**225**	N	200	NA		NA	161		200 cm black humus. 200-2.1 Black humus and boulders.2300 cm black humus with boulders at 20 cm.
E5278021	2500		**212.5**	N	10	25-35		**282**	Sand	O	10 cm black humus. 10-25 cm dark red sand with numerous pebbles to 3 mm.
E5278022	2500	E	**200**	N	5	20-25		**348**	Sand	O	5 cm black humus. 5-30 cm dark red sand with a few angular to sub angular pebbles..
E5278023	2500	E	**187.5**	N	10	20-35		**366**	Sand	O	10 cm black humus. 10-35 cm dark red sand with minor sub angular pebbles to 5 mm.
	2500E		**175N**								Skidder or bulldozer trail from the east ends at 2500E-175N. It is unknown who out this trail in. It appears to be one to three years old.
E5278024	2500	E	**172**	N	5	15-20		**410**	Silt	R	5 cm black humus. 5-20 cm dark gray silt (clay?) with numerous angular pebbles from at base of outcrop. This sample is fluid indicating it is silt not clay..
E5278025	2500	E	**162.5**	N	5	15-30		**654**	Silt	R	5 cm black humus. 5-25 cm yellow silt with much grit to 0.5 mm and some angular pebbles to 3 mm. This sample is very wet and fluid indicating this is silt, not clay. Swamp approximately 4m north of break in slope.
E5278026	2500	E	**150**	N	5	10-15		**376**	Sand	O	0-5 cm black humus. 5-15 cm dark brown sand with numerous angular pebbles to 10 cm from among boulders. Sample taken from 20-15 cm directly above the outcrop. Hand dug hole. Outcrop at 15 cm.
E5278027	2500	E	**137.5**	N	15	25-40		**430**	Silt	O	15-40 cm dark brown silt with minor angular pebbles to 3 mm from among boulders. Very wet and fluid sample indicating this is silt, not clay..
E5278028	2500	E	**125**	N	10	20-35		**482**	Silt	O	10 cm black humus. 0-25 cm dark brown silt with minor angular pebbles to 3 mm from base of outcrop Very wet and fluid sample indicating this is silt, not clay
E5278029	2500	E	**112.5**	N	0	10-25		**310**	Sand	O	0 cm black humus. 0-25 cm dark brown sand from among talus and boulders.
E5278030	2500	E	**100**	N	0	10-25		346	Sand	O	0 black humus. 0-10 cm pale gray sand. 10-25 dark sand with a few angular pebbles to 20 moderately magnetic
E5278031	2500	E	**87.5**	N	10	20-35		**362**	Sand	O	10 cm black humus. 10-35 cm dark red sand with minor angular pebbles to 5 mm.
E5278032	2500	E	**75**	N	50	60-75		**539**	Sand	O	50 cm black humus. 50-75 cm dark red sand with a few angular pebbles to 5 mm.

E5278033	2500	E	62.5	N	5	15-30		415	Sand	O	5 cm black humus. Dark red sand with angular pebbles to 5 mm from among boulders.
E5278034	2500	E	50	N	0	10-25		422	Sand	O	0 black humus. 0-25 cm dark red sand with a few angular pebbles to 4 mm.
E5278035	2500	E	37.5	N	0	10-25		427	Sand	O	0 cm black humus. 0-25 cm dark red sand with pebbles to 5 mm from among boulders.
E5278036	2500	E	25	N	5	15-30		466	Sand	O	5 cm black humus. 5-30 dark red sand with minor sub-angular pebbles to 3 mm.
E5278037	2500	E	12.5	N	5	15-30		555	Sand	O	5 cm black humus. Light yellow sand with a few sub angular pebbles to 5 mm from among boulders. Appears to be marginal oxidizing/reducing environment.
E5278038	2500	E	0	N	5	15-30		513	Sand	O	5 cm black humus. Dark red sand with pebbles to 5 mm from among boulders.
E5278039	2500	E	-12.5	(S)	0	10-25		427	Sand	O	0 black humus. 0-25 cm dark red sand with angular pebbles to 4 mm from among boulders.
E5278040	2500	E	-25	(S)	0	10-30		383	Sand	O	0 black humus. 10-25 cm medium red sand with some angular to sub angular pebbles to 5 mm.
E5278041	2500	E	-37.5	(S)	5	15-30		326	Sand	O	0-5 cm black humus. 5-30 cm dark red sand. With angular pebbles. South slope.
E5278042	2500	E	-50	(S)	15	25-40		499	Clay	R	0-15 cm black humus 15-40 cm medium gray clay with minor grit to 2 mm..
E5278043	2500	E	-62.5	(S)	90	100-115		584	Clay	R	0-90 black humus. 90-115 light gray clay with no grit or pebbles.. White cedar
E5278044	2500	E	-75	(S)	105	105-130		506	Clay	R	0-105 black humus. 105-130 cm hard packed, dark gray clay with minor angular grit to 0.5 mm.. White cedar swamp .
No Sample	2500	E	-87.5	(S)							No sample. White cedar.
No Sample	2500	E	-100	(S)							No sample. White cedar.
E5278045	2500	E	-112.5	(S)	10	20-25		679	Silt	O	10-25 Boulders with dark red silt to 4mm angular grit from among boulders and pebbles. Sample from 20-25 due to difficulty digging in boulders. Very wet, weakly fluid sample White cedar.
E5278046	2500	E	-125	(S)	55	65-80		410	Clay	R	0-55 black humus. 55-80 light gray clay with much grit to 3mm. Needs like putty.

E5278047	2500	E	-137.5	(S)	10	20-35		606	Clay	163	R	0-10 black humus. 10-35 yellow clay with minor grit to 1mm and a few sharp pebbles.

Humus depth is frequently a function of surface elevation more than elevation of the humus/mineral soil interface.
The lowest surface point above water level was generally augured to preserve the hole location for reentry.
Field Notes focused on organic mineral soil interface and sample depth and soil color and soil type. Some auxiliary notes taken
The soil logged as clay generally breaks with a fine earthy texture perpendicular to the sample slices (no directional texture).
Some clay samples had fine to medium grit as logged.

Each sample has a commercial sample tag with commercially printed samples numbers printed in duplicate. The last four digits of the sample number were also hand printed in duplicate as bold numerals on all tags (indelible felt pen).
Each sample was bagged in a double zipper bag and the air was expelled.
During sampling; the samples were double bagged in double zipper plastic bags with the last four digits of the sample number hand printed in bold on the white printable area of both bags (coarse indelible felt pen).
The sample tag for each sample was placed outside the sample bag with the numbers facing out and visible through the outside bag.

The yellow samples appear to be from environments intermediate between reducing and oxidizing and . can be grouped with either oxidized or reduced samples..

Reed - Robinson Property All Data 2012

Line		Position		Organics	Sample Interval		Soil Type		Sample Number	ppb Ag	ppb Au	ppb Ce	ppb Co	ppb Cr	ppb Cu	ppb Mo	ppb Nb	ppb Nd	ppb Ni	ppb Pd	ppb Rb	ppb Ti	ppb W
200	S	**4450**	E	5	15-30		Sand	O	E5277**115**	26	<0.1	72	51	200	300	**<5**	1.6	**45**	236	<1	**88**	582	<1
200	S	**4475**	E	5	15-30		Sand	O	E5277**116**	21	0.1	157	43	100	260	**<5**	4	**85**	134	<1	**150**	1500	<1
200	S	**4500**	E	10	20-35		Sand	O	E5277**117**	5	0.1	73	342	200	220	**<5**	7	**34**	250	<1	**54**	2760	<1
200	S	**4512.5**	E	5	15-30		Sand	O	E5277**118**	4	0.3	253	90	200	1030	**<5**	5.1	**153**	209	<1	**46**	1480	<1
200	S	**4525**	E	10	20-35		Clay	R	E5277**119**	7	0.1	151	97	<100	1550	**<5**	0.6	**107**	496	<1	**137**	29	<1
200	S	**4537.5**	E	15	25-40		Clay	R	E5277**120**	16	0.2	179	67	<100	1010	**<5**	0.5	**132**	416	<1	**63**	11	<1
200	S	**4550**	E	30	40-55		Clay	R	E5277**121**	20	0.2	246	113	<100	4800	**<5**	1.3	**179**	395	<1	**75**	24	<1
200	S	**4562.5**	E	25	35-50		Clay	R	E5277**122**	12	0.2	717	174	<100	2970	**8**	3.5	**403**	466	<1	**94**	42	<1
200	S	**4575**	E	20	30-45		Clay	R	E5277**123**	14	0.1	327	69	100	1090	**<5**	0.7	**205**	304	<1	**90**	9	<1
200	S	**4587.5**	E	5	15-30		Silt	O	E5277**124**	3	0.2	57	17	<100	840	**<5**	<0.5	**65**	135	<1	**28**	<3	<1
200	S	**4600**	E	35	45-60		Sand	O	E5277**125**	1	0.4	248	89	100	770	**<5**	2.4	**200**	226	<1	**66**	989	<1
200	S	**4625**	E	5	15-30		Sand	O	E5277**126**	7	0.3	90	931	200	850	**<5**	4.8	**35**	473	<1	**190**	2040	<1
200	S	**4650**	E	5	15-30		Sand	O	E5277**127**	7	<0.1	46	374	200	1110	**<5**	1.2	**23**	443	<1	**183**	306	<1
										Ag	Au	Ce	Co	Cr	Cu	**Mo**	Nb	**Nd**	Ni	Pd	**Rb**	Ti	W
4000	E	**2**	N	10	20-35		Sand	O	E5277**128**	7	0.2	38	498	200	1230	**<5**	3.5	**20**	613	<1	**95**	1430	<1
4000	E	**25**	N	5	15-30		Sand	O	E5277**129**	6	0.7	357	508	100	250	**<5**	1.3	**33**	235	<1	**126**	256	<1
4000	E	**54**	N	65	75-90		Clay	R	E5277**130**	11	0.3	1410	186	<100	3260	**<5**	2.7	**525**	172	<1	**27**	85	<1
4000	E	**65**	N	90	100-115		Clay	R	E5277**131**	9	0.3	213	68	<100	4580	**22**	2.3	**150**	242	<1	**30**	42	1
4000	E	**75**	N	125	135-150		Clay	R	E5277**132**	4	0.3	57	55	<100	4940	**18**	1.8	**43**	198	<1	**27**	104	<1
4000	E	**87.5**	N	90	100-115		Clay	R	E5277**133**	6	0.3	12	40	<100	4700	**21**	0.6	**10**	150	<1	**21**	40	1
4000	E	**95**	N	55	65-80		Clay	R	E5277**134**	4	0.4	45	55	<100	4820	**13**	0.8	**35**	124	<1	**24**	41	<1
4000	E	**112.5**	N	10	20-35		Sand	O	E5277**135**	3	<0.1	136	96	200	580	**<5**	5.1	**79**	251	<1	**94**	2900	<1
4000	E	**125**	N	10	20-35		Sand	O	E5277**136**	8	0.1	162	115	300	540	**<5**	5.4	**62**	335	<1	**147**	2250	<1
4000	E	**150**	N	5	15-30		Clay	O	E5277**137**	17	0.3	409	23	200	970	**<5**	<0.5	**346**	621	<1	**115**	45	<1
4000	E	**175**	N	5	15-30		Clay	O	E5277**138**	4	<0.1	199	209	<100	250	**<5**	5.6	**87**	141	<1	**176**	1810	<1
4000	E	**200**	N	5	15-30		Clay	O	E5277**139**	3	0.4	2570	62	200	1920	**<5**	0.7	**995**	400	<1	**110**	69	<1
4000	E	**225**	N	10	20-35		Clay	R	E5277**140**	3	0.1	556	150	<100	2770	**<5**	1.7	**241**	363	<1	**27**	161	<1
										Ag	Au	Ce	Co	Cr	Cu	**Mo**	Nb	**Nd**	Ni	Pd	**Rb**	Ti	W
3800	E	**25**	S	65	75-90		Clay	R	E5277**142**	12	0.3	77	115	<100	2350	**6**	<0.5	**48**	120	<1	**13**	22	<1
3800	E	**12.5**	S	55	65-80		Clay	R	E5277**143**	13	0.3	30	117	<100	950	**<5**	<0.5	**22**	466	<1	**40**	25	<1

3800	E	**0**	N	25	35-50		Clay	R	E5277**144**	7	0.1	165 14	125	<100	1290	**<5**	<0.5	**13**	316	<1	**49**	8	<1
3800	E	**12.5**	N	80	90-105		Clay	R	E5277**145**	10	0.2	32	132	<100	3810	**15**	<0.5	**20**	143	<1	**14**	18	<1
3800	E	**25**	N	45	55-70		Clay	R	E5277**146**	8	0.2	41	118	<100	1290	**<5**	<0.5	**26**	96	<1	**22**	12	<1
3800	E	**37.5**	N	45	55-70		Clay	R	E5277**147**	8	0.2	22	280	<100	750	**<5**	<0.5	**15**	232	<1	**38**	17	<1
3800	E	**50**	N	65	75-90		Clay	R	E5277**148**	12	0.3	145	85	<100	3060	**11**	1	**87**	154	<1	**18**	46	<1
3800	E	**62.5**	N	40	50-65		Clay	O	E5277**149**	10	0.1	524	234	<100	2240	**18**	4.7	**252**	251	<1	**80**	64	<1
3800	E	**75**	N	40	50-65		Clay	O	E5277**150**	11	0.2	51	6	<100	480	**<5**	<0.5	**99**	160	<1	**90**	4	<1
3800	E	**87.5**	N	15	15-40		Clay	O	E5277**151**	12	0.1	215	69	<100	670	**<5**	0.5	**140**	450	<1	**148**	8	<1
3800	E	**100**	N	5	15-30		Clay	O	E5277**152**	4	0.3	369	49	<100	870	**<5**	<0.5	**298**	178	<1	**127**	27	<1
3800	E	**125**	N	5	15-30		Clay	O	E5277**153**	12	0.4	215	76	<100	1140	**<5**	<0.5	**221**	320	<1	**59**	24	<1
										Ag	Au	Ce	Co	Cr	Cu	**Mo**	Nb	**Nd**	Ni	Pd	**Rb**	Ti	W
XL	N	0	E	5	15-30		Sand	O	E5277**165**	3	<0.1	55	287	200	420	**<5**	2.5	**26**	527	<1	**160**	867	<1
XL	N	12.5	E	10	20-35		Sand	O	E5277**166**	13	<0.1	75	113	<100	640	**<5**	1.3	**37**	325	<1	**175**	366	<1
XL	N	25	E	45	55-70		Sand	O	E5277**167**	6	1	590	70	400	1510	**<5**	4.5	**173**	224	<1	**81**	1730	<1
XL	N	37.5	E	5	15-30		Clay	O	E5277**168**	12	0.4	73	41	<100	1180	**<5**	<0.5	**119**	228	<1	**68**	23	<1
XL	N	50	E	35	45-60		Clay	O	E5277**169**	16	0.5	8	24	<100	970	**<5**	<0.5	**24**	175	<1	**62**	34	<1
XL	N	62.5	E	80	90-105		Clay	R	E5277**170**	6	0.6	495	155	<100	4960	**13**	1.8	**243**	228	<1	**19**	53	<1
XL	N	75	E	65	75-90		Clay	R	E5277**171**	<1	0.2	246	257	<100	2810	**28**	3.8	**130**	735	<1	**42**	214	<1
XL	N	87.5	E	85	95-110		Clay	R	E5277**172**	4	0.5	68	84	<100	4520	**88**	1.2	**51**	165	<1	**16**	57	<1
XL	N	100	E	95	105-120		Clay	R	E5277**173**	9	0.2	511	91	<100	4310	**70**	3.3	**216**	304	<1	**21**	62	2
XL	N	112.5	E	125	135-150		Clay	R	E5277**174**	3	0.2	528	101	<100	3620	**72**	3.9	**184**	448	<1	**23**	103	2
XL	N	125	E	165	175-190		Clay	R	E5277**175**	6	0.2	373	81	<100	3070	**66**	2.4	**148**	386	<1	**26**	69	2

										Ag	Au	Ce	Co	Cr	Cu	Mo	Nb	Nd	Ni	Pd	Rb	Ti	W
4125	E	**465**	N	5	15-30		Sand	O	E5277**176**	7	0.2	81	159	200	510	**<5**	3.1	**41**	351	<1	**120**	1490	<1
4150	E	**465**	N	5	15-30		Sand	O	E5277**177**	10	<0.1	26	75	100	440	**<5**	1.8	**16**	163	<1	**54**	749	<1
4175	E	**465**	N	35	45-60		Clay	R	E5277**178**	4	0.5	347	383	<100	1770	**<5**	1.5	**152**	2140	<1	**61**	30	<1
4187.5	E	**465**	N	35	45-60		Clay	R	E5277**179**	16	0.4	20	28	<100	1710	**<5**	<0.5	**52**	310	<1	**59**	11	<1
4200	E	**465**	N	40	50-65		Clay	R	E5277**180**	6	0.5	36	62	<100	570	**<5**	<0.5	**22**	207	<1	**60**	7	<1
4212.5	E	**465**	N	65	75-90		Clay	R	E5277**181**	10	0.5	33	47	<100	1230	**<5**	<0.5	**35**	263	<1	**30**	10	<1
4225	E	**465**	N	70	80-95		Clay	R	E5277**182**	5	0.4	55	65	<100	5080	**17**	0.6	**43**	232	<1	**67**	51	<1
4237.5	E	**465**	N	85	95-110		Clay	R	E5277**183**	11	0.4	291	36	<100	6330	**100**	2.6	**182**	293	<1	**26**	67	2
4250	E	**465**	N	65	75-90		Clay	R	E5277**184**	2	0.3	233	33	<100	3380	**48**	2.3	**117**	426	<1	**21**	36	1
4262.5	E	**465**	N	75	85-100		Clay	R	E5277**185**	6	0.4	365	80	<100	6300	**25**	3.1	**196**	435	<1	**34**	59	2
4275	E	**465**	N	50	60-75		Clay	O	E5277**186**	2	0.2	142	184	<100	4870	**6**	2.5	**83**	777	<1	**46**	119	<1
4287.5	E	**465**	N	45	55-70		Clay	R	E5277**187**	15	0.3	472	130	<100	6180	**7**	2	**219**	444	<1	**68**	35	<1
4300	E	**465**	N	25	35-50		Clay	R	E5277**188**	10	0.3	166	507	<100	1870	**<5**	<0.5	**65**	570	<1	**87**	24	<1
4325	E	**465**	N	45	55-70		Clay	R	E5277**189**	1	0.3	769	111	<100	1730	**36**	4.2	**301**	174	<1	**59**	90	<1
										Ag	Au	Ce	Co	Cr	Cu	Mo	Nb	Nd	Ni	Pd	Rb	Ti	W
2500	E	**362.5**	N	10	20-35		Sand	O	E5278**010**	3	0.2	30	52	200	780	**<5**	2.5	**16**	164	<1	**77**	1010	<1
2500	E	**350**	N	10	20-35		Sand	O	E5278**011**	3	0.2	83	117	200	720	**6**	3.2	**37**	145	<1	**66**	897	<1
2500	E	**337.5**	N	15	25-40		Clay	O	E5278**012**	9	0.5	453	104	200	5620	**<5**	0.9	**328**	372	<1	**43**	57	<1
2500	E	**325**	N	15	25-40		Clay	O	E5278**013**	10	0.4	38	79	<100	1500	**<5**	0.5	**32**	269	<1	**27**	58	<1
2500	E	**312.5**	N	10	20-35		Sand	O	E5278**014**	<1	0.5	109	25	<100	200	**<5**	6.1	**66**	49	<1	**64**	2770	<1
2500	E	**287.5**	N	10	20-35		Sand	O	E5278**015**	1	0.3	128	73	400	620	**7**	7.5	**71**	131	<1	**84**	3800	<1
2500	E	**285**	N	5	15-30		Sand	O	E5278**016**	2	0.4	103	58	<100	1070	**<5**	2.6	**73**	81	<1	**38**	958	<1
2500	E	**275**	N	190	200-215		Clay	R	E5278**017**	3	0.2	23	24	<100	4040	**40**	<0.5	**16**	130	<1	**73**	70	<1
2500	E	**260**	N	275	285-300		Clay	R	E5278**018**	12	0.4	53	80	<100	6230	**29**	1.4	**34**	504	<1	**40**	120	1
2500	E	**250**	N	265	275-290		Clay	R	E5278**019**	14	0.4	59	77	<100	6460	**27**	1.3	**37**	512	<1	**42**	146	1
2500	E	**237.5**	N	205	215-230		Clay	R	E5278**020**	7	0.3	71	108	<100	5550	**60**	0.9	**49**	651	<1	**36**	75	1
2500		**212.5**	N	10	25-35		Sand	O	E5278**021**	2	<0.1	69	158	300	720	**<5**	2.7	**37**	350	<1	**82**	788	<1
2500	E	**200**	N	5	15-20		Sand	O	E5278**022**	<1	0.2	13	47	1000	360	**<5**	5.6	**6**	486	<1	**39**	4140	<1
2500	E	**187.5**	N	10	20-35		Sand	O	E5278**023**	11	<0.1	77	176	200	300	**<5**	2.6	**36**	328	<1	**95**	1070	<1
2500	E	**172**	N	5	15-30		Silt	R	E5278**024**	8	0.1	157	124	<100	2440	**<5**	0.8	**59**	776	<1	**27**	9	<1
2500	E	**162.5**	N	5	15-30		Silt	R	E5278**025**	5	0.6	312	7	<100	1740	**<5**	<0.5	**364**	102	<1	**33**	<3	<1
2500	E	**150**	N	5	10-15		Sand	O	E5278**026**	6	<0.1	49	152	300	850	**<5**	7.2	**21**	238	<1	**30**	3590	<1

2500	E	**137.5**	N	15	25-40		Silt	O	E5278027	1	<0.1	20	24	200	2160	**<5**	4.3	**11**	217	<1	**50**	944	<1
2500	E	**125**	N	10	20-35		Silt	O	E5278028	<1	0.2	30	32	300	1150	**<5**	12.6	**13**	292	<1	**41**	5300	<1
2500	E	**112.5**	N	0	10-25		Sand	O	E5278029	5	0.3	16	88	200	1060	**<5**	4.7	**7**	253	<1	**44**	1490	<1
2500	E	**100**	N	0	10-25		Sand	O	E5278030	7	0.1	35	78	200	200	**<5**	5.7	**18**	187	<1	**69**	1820	<1
2500	E	**87.5**	N	10	20-35		Sand	O	E5278031	5	0.1	67	270	100	1380	**<5**	1.3	**26**	276	<1	**115**	376	<1
2500	E	**75**	N	50	25-30		Sand	O	E5278032	6	0.2	56	714	300	1420	**6**	6.6	**23**	294	<1	**125**	2740	<1
2500	E	**62.5**	N	5	15-30		Sand	O	E5278033	10	0.2	25	182	200	480	**<5**	4.4	**14**	340	<1	**38**	1970	<1
2500	E	**50**	N	0	10-25		Sand	O	E5278034	10	0.2	137	117	300	310	**<5**	3.6	**78**	223	<1	**87**	1590	<1
2500	E	**37.5**	N	0	1-025		Sand	O	E5278035	7	0.3	90	25	100	290	**<5**	2.3	**54**	185	<1	**126**	859	<1
2500	E	**25**	N	5	15-30		Sand	O	E5278036	7	0.1	57	87	100	130	**<5**	4.6	**32**	151	<1	**172**	1440	<1
2500	E	**12.5**	N	5	15-30		Sand	O	E5278037	5	0.2	100	64	200	300	**6**	8.9	**40**	104	<1	**137**	3960	2
2500	E	**0**	N	5	15-30		Sand	O	E5278038	12	0.1	43	58	<100	250	**<5**	1.6	**29**	155	<1	**200**	495	<1
2500	E	**-12.5**	S	0	10-25		Sand	O	E5278039	6	1.2	78	95	200	570	**<5**	2.9	**39**	281	<1	**196**	1180	<1
2500	E	**-25**	S	0	10-30		Sand	O	E5278040	13	0.1	89	96	300	480	**<5**	3.6	**41**	223	<1	**98**	1440	<1
2500	E	**-37.5**	S	5	15-30		Sand	O	E5278041	5	<0.1	64	145	300	560	**<5**	2.9	**32**	317	<1	**259**	782	<1
2500	E	**-50**	S	15	25-40		Clay	R	E5278042	<1	0.4	308	186	<100	2640	**15**	3.5	**127**	428	<1	**31**	61	<1
2500	E	**-62.5**	S	90	100-115		Clay	R	E5278043	2	0.4	89	26	<100	3420	**20**	1.3	**55**	136	<1	**20**	58	<1
2500	E	**-75**	S	105	105-130		Clay	R	E5278044	1	0.4	576	38	<100	4770	**10**	5.8	**241**	355	<1	**44**	127	1
2500	E	**-112.5**	S	10	20-25		Silt	O	E5278045	<1	0.1	113	112	100	400	**<5**	2.4	**61**	156	<1	**75**	1040	<1
2500	E	**-125**	S	55	65-80		Clay	R	E5278046	7	0.6	103	57	<100	6110	**10**	2.6	**75**	139	<1	**43**	308	1
2500	E	**-137.5**	S	10	20-35		Clay	R	E5278047	2	0.5	183	77	<100	730	**<5**	2.7	**59**	103	<1	**41**	767	<1
										Ag	Au	Ce	Co	Cr	Cu	**Mo**	Nb	**Nd**	Ni	Pd	**Rb**	Ti	W

1900E 2000E 2100E 2200E 2300E 2400E 2500E 2600E 2700E 2800E

400N 300N 200N 100N 100S 200S

2900E

Eby Tp

0 100 200 300 400m

N

<-OC1358ppbAu

-AuCeCu
-Au
-Mo
-NiCu
-NiCu
-NiCuMo
-NiCr
-Ni
-AuCe
-Cu
-Cu
-Cu
-Cu
-CoCu
-CoCu
-Rb
-Rb
-Rb
-Rb
-AuRb
-Rb
-Rb
-Ce
-Au

532929

1186975

Reed - Robinson Eby Otto Group 2012
MMI 2012 - MaxMin 1994-95 (NW)

MMI Anomalies/Responses

-CeMoW
-AuCe
Au

Max Min Conductors
Major & Minor

OC 19749ppbAu-> Au Assay oc=outcrop f=Float assay

3800E
3900E
4000E
4100E
4200E
4300E
4450E
4550E
4650E
4735E
400N
300N
200N
100N
000N
100S
1" SIB
Line 465N
Line XL
Eby Tp
Otto Tp
0
100
200
300m
N
Profiles = Primary Files
OC 19749ppbAu->
475258
475259
1187002
-Ce
-Ce
-CoRb
-(Ce?)RbNi
-Rb
-Ce
-AuCeCo
-CoNi
-Ce
-CeRb
-CeRb
-Co
-Co
AuCeCoNi-
Au-
Au-
Au-
AuCu-
AuCeCuMoW-
AuMo-
AuCeCuW-
CeCuNi-
CeCu-
CoNi-
CeMo-
125E
-MoW
-CeMoW
-CeMoW
-Mo
-CoNi
-AuCe
-Au
-AuCeCr
0E
-CoNi
Reed - Robinson Eby Otto Group 2012
MMI 2012 - MaxMin 1994-95 (NE)
MMI Anomalies/Responses
Max Min Conductors
Major & Minor
OC 19749ppbAu-> = Outcrop
F1337ppbAu-> = Float
169
ection

MMI Anomalies/Responses
Max Min Conductors
Major & Minor

4200E
4300E
Line 465N
Line XL
1" SIB

AuCeCoNi- Au- Au- Au- AuCu- AuCeCuMoW- AuMo- AuCeCuW- CeCuNi- CeCu- CoNi- CeMo-
125E -MoW -CeMoW -Mo -CoNi -AuCe -Au -AuCeCr -CoNi

OC 19749ppbAu->

330°
0.0-0.6
475258

340°
0.4-0.9
348°
0.2-0.4
Transport Direction°
Depth m
Hand Dug Pit

0 100 200 300 m

Otto Tp

Clay
Clay

475259

400N
300N
200N
100N
000N
100S
200S
300S
400S

4450E
4550E
4650E
4735E

340°
0.4-0.6
360°
1.0-1.2

-Co -CeRb -Rb -Rb -Rb -CeRb -Rb -Ce -EM Projection -Co -Co

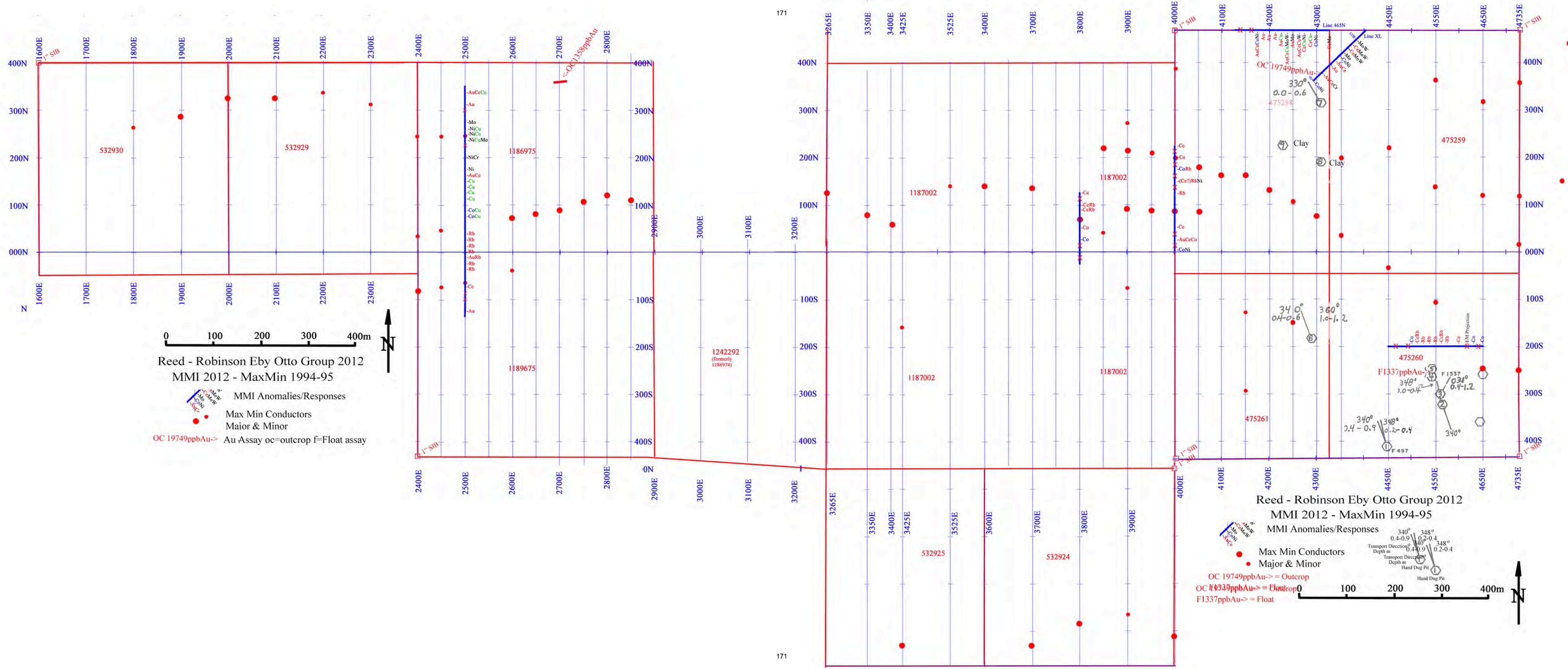
475260

F1337ppbAu->
F 1337
031°
0.4-1.2
348°
1.0-0.4

475261

340°
0.4-0.9
348°
0.2-0.4
340°
F 497

Reed - Robinson Eby Otto Group 2012
MMI 2012 - MaxMin 1994-95 (SE)


1600E
1700E
1800E
1900E
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2300E
2400E
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2600E
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3425E
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4000E
4100E
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4550E
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4735E
400N
300N
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Reed - Robinson Eby Otto Group 2012
MMI 2012 - MaxMin 1994-95
MMI Anomalies/Responses
Max Min Conductors
Major & Minor
OC 19749ppbAu-> Au Assay oc=outcrop f=Float assay
532930
532929
1186975
1189675
1242292
(formerly
1186974)
1187002
532925
532924
475259
475260
475261
OC 19749pppbAu->
F1337ppbAu->
Line 465N
Line XL
Clay
Hand Dug Pit
OC 19749ppbAu-> = Outcrop
F1337ppbAu-> = Float
171

Ontario

Mining Act Awareness Program

Verification of Completion

This verifies that:

Douglas Robinson

Completed the Mining Act Awareness Program on:

Nov 12, 2012

Verification number:

8DFC-9763-C228-7110

Ministry of Northern Development and Mines

Ontario

Mining Act Awareness Program

Verification of Completion

This verifies that:

Douglas Robinson

Completed the Mining Act Awareness Program on:

Dec 27, 2012

Verification number:

5497-0BF8-DB94-0205

Ministry of Northern Development and Mines

Ontario

Mining Act Awareness Program

Verification of Completion

This verifies that:

Betty J. Robinson

Completed the Mining Act Awareness Program on:

Dec 27, 2012

Verification number:

1C0A-FF1D-6792-A747

Ministry of Northern Development and Mines

Environmental Registry "011-5785" and "011-5786"* Posting

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Regulation Proposal Notice:

Title:
Proposal for amenments to General Regulation (O.Reg. 45/11) under the Mining Act

EBR Registry Number: 011-5785
Ministry:
Ministry of Northern Development and Mines
Date Proposal loaded to the Registry:
March 12, 2012

Keyword(s): Mining
Related Act(s): Mining Act, R.S.O. 1990
The comment period for this proposal is now over.

Description of Regulation:

The proposed amendments to the regulation are part of a new set of regulatory provisions that are being phased in to support the recent amendments to Ontario's modernized Mining Act.

Proposals for most of the Mining Act's first phase of new regulatory provisions were posted on the Environmental Registry (ER) or Regulatory Registry in November, 2010, and were implemented in Spring 2011.

As part of the phase 2 implementing regulations under the Mining Act, MNDM is proposing to revoke certain stand-alone regulations and incorporate those provisions or amended versions into an amended General Regulation.

Specifically, the proposed changes would:
(a) add criteria for Sites of Aboriginal Cultural Significance, which can be withdrawn from staking
(b) designate the Mining Act Awareness Program (MAAP) as the prescribed prospector's awareness program under the Mining Act
(c) revoke existing O. Reg. 192/06 for permission to extract and test bulk samples of minerals, incorporating permission to extract the sample into the General Regulation (the activity of extraction will be subject to requirements in the exploration plan and exploration permit regulation).
(d) clarify rental rates for discretionary mining leases issued under s. 176(3) of the Mining Act
(e) provide for different methods of publication for notices of forfeiture
(f) provide for certain transition matters (need for existing licensed prospectors, including lifetime licensees to take the MAAP, etc.)

Further descriptions of items (a) to (c):

(a) Sites of Aboriginal Cultural Significance:
The amended section 35 of the Mining Act, when proclaimed in force, refers to the withdrawal of sites that meet the criteria for sites of Aboriginal cultural significance and these same sites are referred to in subsection 51(4) of the Act, which when proclaimed in force, will provide for restrictions to be imposed on a mining claim

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Additional Information:

The documents linked below are provided for the purposes of enhancing public consultation.
All links will open in a new window

1. The Mining Act, R.S.O. 1990 c. M.14

2. Current O.Reg. 45/11

holder's right to use the surface of the claim for exploration activities. The proposed regulation amendment will set out the criteria for sites of Aboriginal Cultural Significance.

The proposed criteria for a Site of Aboriginal Cultural Significance are:
• Strongly associated with an Aboriginal community for social, cultural, ceremonial or sacred reasons or because of its traditional use by that community, according to Aboriginal traditions, observances, customs of beliefs,
• Has a fixed location that can be delineated on a map, and
• Is documented and supported by the community as having cultural significance to them.

This kind of withdrawal is intended for sites where mining claims or leases do not already exist and would prevent mining claim staking and mineral exploration on the site. The withdrawal would be a rectangular area of a minimum size of 4 hectares encompassing the site, with a maximum size of 24 hectares. An area larger than this may still be considered for withdrawal, but would follow the existing withdrawal process. A surface rights restriction would be considered where the site is located on an existing mining claim, if other means of protecting the site, such as voluntary agreement with the claim holder, or the imposition of specific terms and conditions on the exploration activities via an exploration permit, are not adequate to protect the site.

The process for processing requests and provisions for implementing withdrawals and surface rights restrictions will be set out in policy.

(b) Prospector's Awareness Program:
The new prospectors' licencing provisions in the Mining Act, when proclaimed, will require persons applying for or renewing a prospector's licence to first complete a prescribed prospector's awareness program. The Act will also provide that all existing licensees must complete the program within 2 years after the new requirement is in force, including existing permanent, or "lifetime" prospectors. Following consultations with stakeholder groups, the ministry is proposing to expanded the requirement for taking the program to include individuals in charge of early exploration projects and the regulation would designate the program as the "Mining Act Awareness Program".

The program would provide basic information on the mining sequence, staking claims, early exploration and Aboriginal consultation requirements at the various stages of the process, with an emphasis on the changes to mineral exploration due to MAM. This is not a certification process that has a pass or fail, but is educational and is intended to be an on-line process (with alternative formats, as necessary). Transition provisions would cover licence renewals that will be caught up in the change to these new rules, allowing those prospectors time to complete the program.

(c) Bulk Sample Permission (extracting mineral samples for testing)

Section 52 of the Mining Act has been amended slightly and when in force, will be accompanied by a revocation of the existing regulation that deals with bulk sample permission (O. Reg. 192/06) and revised provisions for bulk sample permission being added to the General Regulation.

The new provisions would clarify in regulation, rather than by policy, what the threshold is for requiring a bulk sample permission to extract minerals for testing. A mining claim holder has no ownership of the land or the Crown's minerals and therefore needs the Crown's permission to extract minerals from a mining claim and to deal with those minerals once removed from the ground. The bulk sample permission is the claim holder's authorization to take and deal with the Crown minerals. The activity of extracting that sample (e.g. by trenching, pitting or drilling) would be subject to the requirements of the Exploration Plans and Exploration Permits regulation.

Purpose of Regulation:

The purposes of this Regulation Proposal Notice are:
(1) to advise the public that the province is proposing to amend O. Reg. 45/11 under

the Mining Act for General Regulations to add criteria for Sites of Aboriginal Cultural Significances, designate the Mining Act Awareness Program and other administrative provisions.
(2) to provide 50 days for the public to comment on the regulatory proposal, as outlined in this notice, by directing their comments online or to the contact person noted

Other Information:

Comments can also be forwarded to miningact@ontario.ca

Public Consultation:

This proposal was posted for a 50 day public review and comment period starting March 12, 2012. Comments were to be received by May 01, 2012.

All comments received during the comment period are being considered as part of the decision-making process by the Ministry of Northern Development and Mines.

Please Note: All comments and submissions received have become part of the public record.

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Regulation Proposal Notice:

Title:
Proposal for amendments to the Assessment Regulation (O.Reg. 6/96) under the Mining Act

EBR Registry Number: 011-5786
Ministry:
Ministry of Northern Development and Mines
Date Proposal loaded to the Registry:
March 12, 2012

Keyword(s): Mining
Related Act(s): Mining Act, R.S.O. 1990
The comment period for this proposal is now over.

Description of Regulation:

The proposed amendments to the regulation are part of a new set of regulatory provisions that are being phased in to support the recent amendments to Ontario's modernized Mining Act.

Proposals for most of the Mining Act's first phase of new regulatory provisions were posted on the Environmental Registry (ER) or Regulatory Registry in November, 2010, and were implemented in Spring 2011.

As part of the Phase II implementation regulations under the Mining Act, MNDM is proposing to amend the Assessment Work Regulation. The amendments would add new items that are eligible for assessment work credits, which are needed to keep mining claims in good standing:

- Aboriginal consultation costs,
- GPS data for the boundaries of existing, recorded mining claims,
- payments in lieu of actual assessment work

The amendments would also:

- remove some limits on a mining recorder's authority to grant an extension of time to do assessment work on a mining claim, and
- clarify the assessment work requirements for a mining claim while an application for a mining lease of the claim is pending

New Assessment Work Credits

(a) Aboriginal consultation costs
Aboriginal consultation costs can be submitted for assessment work credit but only when actual geoscience assessment work is submitted. The Aboriginal consultation costs would be a portion of the cost of work submitted for assessment credit. Once accepted, the credits for Aboriginal consultation can be banked and distributed. Unlike geoscience work, Aboriginal consultation costs are not discounted (given less than 100% value) over time.

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Fax: (416) 314-3797

Additional Information:

The documents linked below are provided for the purposes of enhancing public consultation.
All links will open in a new window

1. The Mining Act, R.S.O. 1990, c. M.14

2. Current O.Reg. 6/96

(b) GPS of claim boundaries
Assessment work credit would be allowed for providing GPS data on the boundaries of existing mining claims, where the claims were recorded before the new requirement to include this data when applying to record a claim. This will assist in verifying the location of existing claims for the planned move to fully electronic, on-line map staking.

(c) Payment in lieu of assessment work
Payments could be made instead of some or all of the geoscience assessment work to maintain a claim in good standing. However, such payments cannot be used towards the first unit of required assessment work and cannot be applied in consecutive assessment years. Payments in lieu must be used at the time they are made, and cannot be banked for future years. Payments in lieu do not count as assessment credits towards the five units of assessment work required before a claim holder can apply for a mining lease.

(d) The regulation would allow the Mining Recorder greater flexibility to grant an extension of time for a claimholder to complete the required work to maintain a claim in good standing.

(e) The regulation would clarify that a mining claim must be kept in good standing (assessment work credits applied) until the mining claim holder has completed all of the requirements to bring a claim to lease.

Purpose of Regulation:

The purposes of this Regulation Proposal Notice are:
(1) to advise the public that the province is proposing to amend O. Reg. 6/96 under the Mining Act for Assessment Regulations to add new items that are eligible for assessment work credits including Aboriginal consultations and other general provisions.
(2) to provide 50 days for the public to comment on the regulatory proposal, as outlined in this notice, by directing their comments online or to the contact person noted

Other Information:

Comments can also be forwarded to miningact@ontario.ca

Public Consultation:

This proposal was posted for a 50 day public review and comment period starting March 12, 2012. Comments were to be received by May 01, 2012.

All comments received during the comment period are being considered as part of the decision-making process by the Ministry of Northern Development and Mines.

Please Note: All comments and submissions received have become part of the public record.

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Environmental Registry "011-5733", "011-5785" and "011-5786"* Submission

Environmental Registry Response for 011-5733, -5785 & -5786

Regarding First Nations Issues

Environmental Registry site: http://www.ebr.gov.on.ca/ERS-WEB-External/

Prelude and Introduction of Terms

This document is a response to Environmental Registries **011-5733, 5785 & 5786** which deal with the Mining Act Regulations Changes and Aboriginal/**First Nations** issues relating to the mineral exploration and mining community.

Until late today this author was unaware three registries were involved First Nations issues until it was to late to separate the overlapping issues of the three registries. For this reason the same document is applied to each registry.

This document will be fully dealt with by "Her Majesty the Queen in the Right of Ontario", by the "Ministry of Northern Development and Mines" and archived as a public document. As such it can be used as evidence in "Ontario Superior Court". This document is a single identity and all parts stand only in the context of the whole document. It can be amended but not divided.

Terms that are commonly used include: First Nations (plural), aboriginal people/communities (singular), aboriginal person(s) (singular individuals), corporate or business identity (singular individuals) and citizens of Canada (singular individuals) all residing in whole or in part within the province of Ontario. To **use the term aboriginal community** requires that that aboriginal community have **First Nation status** making it a First Nation.

"Her Majesty the Queen in the Right of Ontario", represented by the "Ministry of Northern Development and Mines (MNDM)" in dealing with the amendments to the Mining Act as proposed in the Environmental Registries **011-5733, 5785 & 5786** and other supporting documents appears to not address First Nations or their First Nations issues.

Ministry of Northern Development and Mines; by addressing First Nations as **aboriginal people (communities)** in the proposed amendments to the Mining Act as proposed in the Environmental Registries **011-5733, 5785 & 5786**; renders that community **equivalent to a municipal government**, similar to any township, town or city (in this Environmental Registry document and documents flowing from the ensuing process).

Issues within the proposed consultation with aboriginal people (First Nations communities) and Memorandums of Agreement include issues:

- that should fall inside the proposed amendments to the Mining Act and

- issues that should fall outside the proposed amendments to the Mining Act.

The difference falls roughly along the division between:

- First Nations traditional land use, cultural, social and other non-monetary issues which are complimentary and tend to be non-cumulative compatible with the proposed amendments to the Mining Act and
- monetary issues which are First Nation Nations, federal and Provincial government issues (which are **cumulative**, unrealistic and project threatening) and should not be addressed in the proposed changes to the Mining Act..

Traditional land use, cultural, social and other non-monetary issues can be effectively dealt with by the proposed amendments because the concerns of various First Nations are likely to be similar and non conflicting issues. These are issues that can be dealt with directly by First Nations, aboriginal people, aboriginal person(s), corporate or business identities and citizens of Canada. The proposed amendments process requires the explicit and collective recognition of the First Nations.

Discussion of Issues

The proposed changes to the Mining Act are too vague for an informed response. To deal with this lack of clarity; this response deals with a few fundamental issues on which the response is based.

The issue arises from a great Canadian Embarrassment, the systematic diminution of First Nations and their peoples. Many of the proposed revisions to Mining Act are not the appropriate vehicle to correct this issue. These proposed revisions to the Mining Act will accentuate **disparities** among First Nations and not resolve the deep issue of disparity and desperation of aboriginal people. A complete nation to nation overhaul of the political system is required to deal with these serious issues.

All Lands Equal

All lands; including Crown lands, private property and corporate property were acquired from First Nations. The author does not comment on the legal validity Crown lands, private property and corporate property.

All Crown lands, private property and corporate property are equal, relative to First Nations claims to enduring entitlements.

All Crown lands, private property and corporate property, including mining lands will be equally subject to the **precedent** set by the revisions to the Mining Act. The revised Mining Act will likely furnish the basis of precedent and jurisprudence for future Court actions involving non mining lands.

Legal Precedent: Environmental Registry 011-57330, 5785 & 5786

The implementation of the proposed amendments to the Mining Act could establish a platform from which any individual could launch legal action against any identity perceived to hold interest in land in Ontario. For example, a First Nation and/or non-First nation person or identity could take legal action against the Toronto Transit Commission or the owners of Toronto International Airport or any other property owner. The Courts could be requested to order concessions similar to the precedents set in the amended Mining Act. It could be argued the requested judgment is required to create a non discriminatory, level economic playing field for all First Nations and all Canadian citizens and Canadian identities. A level playing field could effectively give disadvantaged First Nations access to financial and cultural resources not now accessible. To **not cause** these commercial institutions to cease activities under pending proceedings would be discriminatory in light of Temagami Land Caution during enacted due to legal proceedings.

The issue of **residual** property and land rights and the income from those lands is an issue to be dealt with among the First Nations, Federal and provincial governments. A reasonable, negotiated resolution is probably superior to a Court ruled settlement.

Legal Implication MNDM Liability

The configuration regarding the Ministry of Northern Development and Mines (MNDM) transferring Ontario's obligations to **First Nations** and the mining/explorations community makes **First Nations** and "**Her Majesty the Queen in the Right of Ontario**", partners as **equivalent governments**. This potentially leaves "Her Majesty the Queen in the Right of Ontario" liable if advanced projects fail due to the relationship of First Nations and "Her Majesty the Queen in the Right of Ontario".

My personal experience indicates Crown attorneys are a poor source of legal expertise, and **the Crown is at risk**.

Equitable Opportunity of Improvement within Canada.

The systematic diminution of First Nations and their peoples is a First Nations, National and provincial issue. Many First Nations, but not all aboriginal people are disadvantaged Canadians. These disadvantaged people have little hope of an equitable opportunity of realistic improvement within Canada. The proposed revisions of the Mining Act will accentuate this disparity among First Nations relative to other First Nations and other Canadian communities. Those First Nation nations proximal to Mining and other Natural Resource opportunities will benefit for the duration of the proposed projects and leave other First Nations communities disadvantaged. Treating all Crown lands, private property and corporate property in a national pool for all First Nations benefit is the only

equitable solution fair to both First Nations People and other Canadians. A potential alternate solution is discussed below.

Equitable Funding Solution

Three social luxuries alcohol, tobacco, gambling could be taxed for the benefit of all First Nations equally and independent of their place of residence. This implementation could facilitate a viable, negotiated solution to alleviate regional disparity of opportunity among First Nations. This solution would require cooperation with no exemptions or exceptions.

Equitable Career and Employment Opportunity within Canada.

Equitable career and employment opportunity requires the recognition that First Nations people deserve employment and careers opportunities, including senior and junior opportunities in law, accounting and engineering firms, government agencies political parties ....everywhere in Canada. **Not all aboriginal people will want to work as underground miners**. The proposed Mining Act amendments would give employment and career opportunities proximal to selected First Nations communities, but does not address the real issue of equality and opportunity to all First Nations people. The issue of equitable career and employment opportunity for all First Nations people is an issue to be dealt with by all Canadians equally.

Employment and career opportunities should not be First Nation specific, but collectively include all First Nation/Métis people. The economics of proximity to the work site should be the driving force determining the distribution of opportunity among aboriginal and Métis peoples.

Memorandums of Agreement (MOA)

MOA: Transparency – Legal Implications

All the Memorandums of Agreement with First Nations must be transparent and in the public record. This public record is necessary for the protection of aboriginal persons, securities commissions, corporate investors (and potential investors) and various government agencies including the Canada Revenue Agency. These agreements are material documents that require disclosure under Securities Lw.

Tying cash payments and benefits of value; particularly non disclosed payments and benefits to Memorandum of Agreement and/or other oral or written agreements puts all persons involved, suspect of corruption, and possibly in contravention of national, international and corporate law.

Memorandums of Agreement other agreements should not deal with cash payments or other benefits. Cash payments and benefits are issues between First Nations, Federal and provincial governments.

Transparency of Memorandums of Agreement could be achieved by registration on the environment registry and must be reported in all National Instrument 43-101 reports. This would allow others to contest the agreement if they have claims to that land or other benefits.

MOA: Double Taxation

Federal and provincial governments already tax the exploration/mining industry. Additional payments or benefits under "any name" made to First Nations are in essence "**taxes" to another nation**. This generates double taxation. This is particularly onerous when multiple First Nations have independent expectations, potentially resulting in **triple, quadruple ..... taxation**. This taxation given to specific First Nations also widens the disparity between various First Nations. It also places an undue onus on prospectors and exploration/mining companies relative to other Canadian industries.

Many First Nations have financial expectations not commensurate to the situation. Some First Nations, individually are now expecting (present time) minimum payments greater than the after tax revenue most prospectors and many Junior exploration companies will ever generate from their mining claims. When multiple First Nations have expectations that must be meet to proceed with exploration and eventual mining, there is little incentive to explore. Prospectors and exploration/mining require a level playing field with all parties having **expectations commensurate to the situation**.

At this time: companies with existing Memorandum(s) of Agreement with First Nation(s) are abandoning high quality projects because of a proliferation of demands from peripheral First Nations. The problem is multiple financial demands not commensurate with the situation. On my claims near Kirkland Lake six nations claim interests in the area. At this time, in the early stages of exploration this is not currently an issue; however any possibility of a proliferation of claims when and if a production decision is made, could be onerous and unreasonable.

The situation is analogous to a person having ten toes. It is reasonable and expected that the person select and wear a matching pair of shoes that is comfortable to each and every toe. It is not reasonable for each toe to demand the shoe of its choice. A person can not function wearing five shoes on each foot with each shoe inside of the other four. First Nations financial issues are Federal provincial government issues to be resolved collectively by First Nations, Federal and provincial; governments.

Direct consultation on the traditional land use, cultural and social values are issues comparable to wearing socks in shoes. These are the consultation issues that can be dealt with directly among exploration and mining proponents and multiple First Nation without First Nation conflicts causing the failure of a project.

MOA: An Opportunity

Removing monetary incentives from Memorandums of Agreement and other agreements would open the door to equitable, non confrontational treatment of traditionally and culturally significant lands and social issues resulting from exploration and mining.

Federal and provincial money would be desirable during the interim while First Nations and the Federal and provincial governments negotiate comprehensive agreements that free First Nations people to benefit from a level playing field to economic and social benefit and opportunity. This could open the door for a solution possibly involving taxing the social luxuries alcohol, tobacco, gambling as discussed previously.

Career and Employment Opportunities

Many mining jobs are temporary. Companies are unable to train people for these short term opportunities. However; if trained First Nations/Métis persons are available, these companies and trained people have a real opportunity. The appropriate First Nations, Federal and Provincial agencies should provide the training required for training First Nations/Métis people to fill these temporary opportunities. To be effective these trained people would require free access to markets throughout Ontario and beyond. This access must be independent of the area of residence and First Nation nationality.

Summary

In Summary "Her Majesty the Queen in the Right of Ontario", represented by the "Ministry of Northern Development and Mines" is reasonable in requiring consultation on the traditional land use, cultural and social values with multiple First Nations. On the other hand, financial maters are an issue that must be negotiated among First Nation(s), Federal and provincial **governments**. First Nations residual entitlement extends to all Crown lands, corporate property and private property equally in Canada and Ontario. The disparity among First Nations regarding economic, employment and career opportunities must be negotiated among First Nations, federal and provincial governments and include:

- Recognizing all Crown lands, corporate property and private property carry equivalent residual rights of entitlement to First Nation persons and
- Giving individual First Nation persons career opportunities commensurate with their ability and availability independent of the place birth and/or their First Nation nationality.
- The First Nations, Federal and provincial governments working together in educating and training First Nations persons to function completively in the market place.:

Solutions to existing serious First nations issues must be resolved by all First Nations and their persons, all corporate or business identities and all citizens of Canada working together without bias and prejudice to reach fair and equitable resolutions.

Respectfully Submitted

Douglas Robinson P. Eng

The above document was tempered by 44 years working in Northern Ontario and Northern Canada.

The outcome of this Environmental Registry will have little impact at the end of my career

Two excellent source books I have valued reading are "**Guns, Germs and Steel**" (Pulitzer Prize) by Jared Diamond an expert in aboriginal and environment issues and

"**Stolen Life: The Journey of a Cree Woman**" by Rudy Wiebe (professional author) and Yvonne Johnson (an autobiography). I recognize the controversial nature of this book, but personally view Yvonne's autobiography as incredible and creditable.

Web Page: of Kitchenuhmaykoosib Inninuwug First Nation,
http://www.wawataynews.ca/archive/all/2012/3/16/ki-rallies-toronto-chief-mobilizes-north_22542

++

The following offer has been extended to the First Nations that may have residual rights relating to the claims offered as follows.

++

The following is a legitimate and serious offer to extended to

1a. Abitibiwinni, Conseil de la Premierre Nation
1b. Beaverhouse First Nation
1c. Matachewan First Nation
1d. Timiskaming First Nation
1e. Wahgoshig First Nation (Abitibi #70)
1f. Métis Nation of Ontario

from

2a. Douglas Robinson and Betty Robinson joint Tenants of 8 mining claim units (the Property) in Eby Township west of Kirkland Lake Ontario as listed below in this offer.

This offer is extended by email from robinson@nt.net .

As Optionors Douglas Robinson and Betty Robinson offer to option their interests in the Property to the six First Nations as Optionees as listed above. The Optionees agree to exchange all First Nations and aboriginal rights to land and property involved to the Optionors. All revenues the Optionees would otherwise receive from that property would be to the benefit of the Optionor. The expectations of both the Optionors and Optionees would be identical to the reverse expectations the Optionor and Optionee if the option did not exist.

The Optionee agrees to explore the property with the intent to establish a Mineral Resource and develop a mine to recover that Mineral Resource. The exploration work shall consist of a minimum annual $6400 of approved assessment work recognized by Ministry of Northern Development and Mines. Any amount of approved assessment work in excess of the annual requirement will be deemed applicable to the following two years (this provision protects the Optionee).

The Optionees agrees to pay the Optionor revenues commensurate with revenues First Nations in Ontario receive from exploration/mining proponents, governments and all other sources for similar properties and exploration activities on these properties.

If other First Nations receive payments or other revenue for or related to exploration/mining performed similar to the activities on this Property, the Optionee agrees these are also payments or other revenue commensurate to this Property and pay that amount to the Optionor.

The Optionees recognize the Optionors, Douglas Robinson and Betty Robinson have invested approximately $39,555.00 into exploration on the Property. No known targets existed prior to this work. Work to December 2010 established promising linear exploration targets. During late Dec 2010 to April 2011 a $13,355.00 sampling program confirmed the original targets appear to be legitimate and established better definition of the targets.

In the event an Optionee or Optionees transfer part or all of their interest in the Property, the Optionees of the agreement agree to pay the Douglas Robinson and Betty Robinson (the Optionors of this agreement) $39,555.00.

In the event the a mineral resource is established, the Optionees agrees to pay Douglas Robinson and Betty Robinson (the Optionors of this agreement) $39,554.00. On payment of this) $39,554.00 payment the title ill be transferred to the Optionees.

In the event the Optionees fail to meet the terms of the option, the option will terminate at the discretion of the Optionor.

All parties must agree to the terms of an agreement for the agreement to take effect.

This offer expires May 31, 2012.

The property Consists of 5 claims totaling 8 claim units located in Eby Township as the:
South ½ of South ½ Lots 8 and 9, Concession 5
North ½ of North ½ Lots 8 and 9, Concession 4.
We offer to Parties 1a to 1f the full rights to the mining claims

Work to December 2010

No. of Lines	M / line	M cut	
13	800	10400	Grid Lines
4	400	1600	Grid Lines
1	1600	1600	Base Line
1	800	800	Tie line
		14400	
		14.4 km	

km work	Cost/km		Approximate Present Value
14.4	650	9,360.00	Chain Saw cut lines
13.6	150	2,040.00	Magnetic Surveys
13.6	400	5,440.00	Multi frequency Max Min survey
14.4	650	9,360.00	Detailed geological mapping and program development.
		26,200.00	
Work	2011	13,355.00	April 13, 2011 approved MNDM # W1180.00835
		765	April 16, 2012 Relief of Forfeiture Application
		132.40	Claim Registration Fees
		39,555.00	Total work done on land package

Schedule of Contact Information

Abitibiwinni, Conseil de la Premierre Nation

Attention **Bruno Kistabish** Chief 45 rue Migwam, Pikogan Quebec, J9T 3A3
Phone: 819 732-6591
Email: bruno@pikogan.com
Web site: http://www.pikogan.com/

Beaverhouse First Nation
Attention: **Gloria McKenzie** Chief, P.O. Box 1022, 26 Station Road North, Kirkland Lake, P2N 3L1
Phone: 705 567-2022
Email: bhfn@ntl.sympatico.ca
Web site: http://firstnation.ca/beaverhouse

Matachewan First Nation
Attention: **Alex (Sonny) Batisse** P.O. Box 160, Matachewan, Ontario, P0K 1M0
Phone: 705 565-2230 extension 222
Email☹ forestry@matachewanfirstnation.com ????) email failed
bandmanager@matachewanfirstnation.com
Web site: http://matachewanfirstnation.com/contacts.php

Timiskaming First Nation
Attention: **Terence McBride**, Chief, 18 Algonquin Ave. P.O. Box 336, Notre-Dame-du-Nord, Quebec, J0Z 3B0
Phone : 819 723-2370
Email: tfnchirf@parolink.net
Web site: http://www.timiskamingfirstnation.ca/

Wahgoshig First Nation (Abitibi #70)
Attention: **David Babin**, R.R. #3 Matheson, Ontario, P0K 1N0
Phone: 705 273-2055
Email: wahgoshi@ntl.sympatico.ca
Web site: http://anishinabenation.ca/eng/comm_wahgoshig_en.htm
Tanya Babin alternate contact

Métis Nation of Ontario
Attention: **Gary Lipinski** President, 500 St Patrick Street, Ottawa, Ontario, K1N 9G4
Phone: 613 798-1488
Email: Consultations@metisnation.org (Steven Sarrazin)
Web site: http://www.metisnation.org/
Elections: May 7, 2012

Douglas Robinson and Betty Robinson
Box 218, Swastika, Ontario, P0K 1TO
Email: robinson@nt.net

Web Page: http://www.kirklandgold.com

Matachewan First Nation Offer – May 17, 2012

1a. Abitibiwinni, Conseil de la Premierre Nation
1b. Beaverhouse First Nation
1c. Matachewan First Nation
1d. Timiskaming First Nation
1e. Wahgoshig First Nation (Abitibi #70)
1f. Métis Nation of Ontario

from

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The Optionee agrees to explore the property with the intent to establish a Mineral Resource and develop a mine to recover that Mineral Resource. The exploration work shall consist of a minimum annual $6400 of approved assessment work recognized by Ministry of Northern Development and Mines. Any amount of approved assessment work in excess of the annual requirement will be deemed applicable to the following two years (this provision protects the Optionee).

The Optionees agrees to pay the Optionor revenues commensurate with revenues First Nations in Ontario receive from exploration/mining proponents, governments and all other sources for similar properties and exploration activities on these properties.

If other First Nations receive payments or other revenue for or related to exploration/mining performed similar to the activities on this Property, the Optionee agrees these are also payments or other revenue commensurate to this Property and pay that amount to the Optionor.

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All parties must agree to the terms of an agreement for the agreement to take effect.

This offer expires May 31, 2012.

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North ½ of North ½ Lots 8 and 9, Concession 4.
We offer to Parties 1a to 1f the full rights to the mining claims

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km work	Cost/km		Approximate Present Value
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Work	2011	13,355.00	April 13, 2011 approved MNDM # W1180.00835
		765	April 16, 2012 Relief of Forfeiture Application
		132.40	Claim Registration Fees
		39,555.00	Total work done on land package

Schedule of Contact Information

Abitibiwinni, Conseil de la Premierre Nation

Attention **Bruno Kistabish** Chief 45 rue Migwam, Pikogan Quebec, J9T 3A3
Phone: 819 732-6591
Email: bruno@pikogan.com
Web site: http://www.pikogan.com/

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Attention: **Gloria McKenzie** Chief, P.O. Box 1022, 26 Station Road North, Kirkland Lake, P2N 3L1
Phone: 705 567-2022
Email: bhfn@ntl.sympatico.ca
Web site: http://firstnation.ca/beaverhouse

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Attention: **Alex (Sonny) Batisse** P.O. Box 160, Matachewan, Ontario, P0K 1M0
Phone: 705 565-2230 extension 222
Email☹ forestry@matachewanfirstnation.com ????) email failed
bandmanager@matachewanfirstnation.com
Web site: http://matachewanfirstnation.com/contacts.php

Timiskaming First Nation
Attention: **Terence McBride**, Chief, 18 Algonquin Ave. P.O. Box 336, Notre-Dame-du-Nord, Quebec, J0Z 3B0
Phone : 819 723-2370
Email: tfnchirf@parolink.net
Web site: http://www.timiskamingfirstnation.ca/

Wahgoshig First Nation (Abitibi #70)
Attention: **David Babin**, R.R. #3 Matheson, Ontario, P0K 1N0
Phone: 705 273-2055
Email: wahgoshi@ntl.sympatico.ca
Web site: http://anishinabenation.ca/eng/comm_wahgoshig_en.htm
Tanya Babin alternate contact

Métis Nation of Ontario
Attention: **Gary Lipinski** President, 500 St Patrick Street, Ottawa, Ontario, K1N 9G4
Phone: 613 798-1488
Email: Consultations@metisnation.org (Steven Sarrazin)
Web site: http://www.metisnation.org/
Elections: May 7, 2012

Douglas Robinson and Betty Robinson
Box 218, Swastika, Ontario, P0K 1TO
Email: robinson@nt.net

Web Page: http://www.kirklandgold.com

Doug Robinson

From: "Micheline Dube" <micheline.dube@xplornet.ca>
To: <robinson@ntl.sympatico.ca>
Cc: "'Jason Batise'" <jbatise@wabun.on.ca>; "'Bertha Cormier'" <bertha.cormier@xplornet.ca>
Sent: Thursday, May 17, 2012 3:34 PM
Attach: BLANK.DRAFT.EA.Sept2011.rtf
Subject: FW: Offer of Claims in Eby Tp.

Good afternoon,

We have received your offer joint Tenants of 8 mining claim units (the property) in Eby Township west of Kirkland Lake.
Matachewan First Nation as established a system of consultation and accommodation through exploration agreements
Please find a copy of the draft document for your review
We look forward to sitting with you in the near future.

Regards,

Micheline Dubé

IBA Coordinator
Matachewan First Nation
PO Box 160 Matachewan Ontario P0K 1M0
Tel: (705) 565-2230 Ext: 227
Fax: (705) 565-2585
Cell :(705) 570-0487
Email: micheline.dube@xplornet.ca

This e-mail message is intended only for the person or entity to which it is addressed and is confidential, subject to copyright and may be legally privileged. Any unauthorized review, use or disclosure is prohibited. If you received this in error, please contact the sender and delete all copies of the e-mail together with any attachments.

From: Doug Robinson [mailto:robinson@ntl.sympatico.ca]
Sent: Wednesday, April 25, 2012 4:12 PM
To: wahgoshi@ntl.sympatico.ca; tfnchirf@parolink.net; Consultations@metisnation.org; bandmanager@matachewanfirstnation.com; bhfn@ntl.sympatico.ca; bruno@pikogan.com
Cc: robinson@nt.net
Subject: Offer of Claims in Eby Tp.

Hello All

Attached is an offer to the First Nations community to Option our mining Property in Eby Tp.

The following is a legitimate and serious offer extended to the First nations with interests in Eby Tp.

If a deposit is identified in this property the First nations would hold all the worth of the property.

Exploration targets are defined.

Douglas Robinson and Betty Robinson

Memorandum of Understanding

ENTERED INTO effective the _____ day of _____ 2011.

B E T W E E N:

ABC FIRST NATION (s)

- and -

OF THE FIRST PART

XYZ GOLD INC.

OF THE SECOND PART

A. WHEREAS the First Nations are a signatory to Treaty No. 9 and hold inherent aboriginal rights and treaty rights to and over their traditional territory and exercise those rights in their territory and assert certain rights and claims in respect of surface and subsurface rights;

B. AND WHEREAS XYZ GOLD INC. is a mineral exploration and development company with an objective for the development and mining of minerals on its mining claims and properties ("Project");

C. AND WHEREAS XYZ GOLD INC. has pursued and intends to continue to pursue its claims and leases which fall within the traditional territory of the First Nations including the Project area ("Properties"), and has conducted and intends to conduct exploration activities and mining and mill operations (as described in Schedule 1, "Exploration Program") on the Properties;

D. AND WHEREAS the First Nations consider that the activities of XYZ GOLD INC. in developing the Project will have an impact upon the exercise of the aboriginal and treaty rights of the First Nations;

E. AND WHEREAS the First Nations wish to be consulted with respect to the impact upon the exercise of their aboriginal and treaty rights, and have their interests accommodated through a negotiated process with XYZ GOLD INC..

F. AND WHEREAS the First Nations desire to work cooperatively to secure an agreement with XYZ GOLD INC. with respect to XYZ GOLD INC.'s Project on its Properties;

G. AND WHEREAS XYZ GOLD INC. recognizes and agrees to respect the aboriginal rights and treaty rights of the First Nations while engaged in the development, construction and operation of the Project, and wishes to consult with and accommodate the interests of the First Nations, as outlined herein;

H. AND WHEREAS the First Nations and XYZ GOLD INC. wish to work together to establish a long-term, mutually beneficial, cooperative and respectful relationship based

on confidence, trust and certainty, and to agree upon certain matters with respect to XYZ GOLD INC.'s Project on its Properties;

I. AND WHEREAS this Memorandum of Understanding between the First Nations and XYZ GOLD INC. signals the Parties' intention to engage in negotiations toward an Impact Benefit Agreement regarding XYZ GOLD INC.'s Project on its Properties.

NOW THEREFORE the undersigned hereby agree as follows.

1. PURPOSE

1.1 The purpose of this Memorandum of Understanding is:

a) to establish a mutually beneficial, cooperative and productive relationship through which XYZ GOLD INC. recognizes and agrees to respect the aboriginal rights and treaty rights of the First Nations while engaged in the exploration activities and operation of the Project;

b) to provide a process through which XYZ GOLD INC. can consult with and accommodate the interests of the First Nations as outlined herein with a view to reconciling any competing interests at stake;

c) to establish a relationship through which the First Nations can identify opportunities for its businesses and citizens to participate in XYZ GOLD INC.'s exploration activities and operations;

d) to provide XYZ GOLD INC. with evidence for its stakeholders and the Ontario Ministry of Mines and Northern Development that the First Nations and XYZ GOLD INC. intend to work together in a spirit of cooperation for mutual benefit as well as social, ecological, cultural and economic well-being;

e) To set out the objectives, process and topics for negotiations of an Impact Benefit Agreement between the First Nations and XYZ GOLD INC., and

f) To come to a negotiated settlement of financial compensation for exploration activities.

1.2 First Nation Objection to Other Regulatory Matters and Programs

Notwithstanding any other provision in this MOU, the First Nations reserve the right to take any position with respect to.

a) any permits, licenses or other regulatory matters outside the scope of the matters covered by this MOU; and

b) any other activity of XYZ GOLD INC., outside the scope of this MOU, that would affect the First Nations Territory, including any of XYZ GOLD INC.'s exploration, advanced exploration, environmental assessment processes or mine development.

2. INTERIM MEASURES—BUSINESS OPPORTUNITIES

2.1 Objectives. The parties agree that it is their common objective to assist the First Nations and their Members to benefit from business opportunities associated with the Project.

2.2 Businesses. For purposes of this Memorandum of Understanding, the First Nations will designate businesses which they consider to be First Nation Businesses. The First Nations will provide XYZ GOLD INC. with updated lists of qualified First Nations businesses.

2.3 Contracts. XYZ GOLD INC. agrees to undertake all reasonable efforts to package exploration work and operation contracts in a manner to assist the qualified First Nations businesses to access business opportunities.

2.4 Preferred Access. XYZ GOLD INC. agrees to conduct open-book negotiations on a preferred basis with the First Nations businesses for goods and services as may be required during all phases of the Exploration Program and will award contracts through the open-book process to the First Nations businesses provided that the First Nations businesses can provide the required goods and services in accordance with reasonable Project schedules and budgets subject to local conditions.

2.5 Final Business Decisions. Subject to adherence by XYZ GOLD INC. to the provisions of this Memorandum of Understanding, final business decisions with respect to the award of any contract are the sole discretion of XYZ GOLD INC..

3. INTERIM MEASURES - EMPLOYMENT & TRAINING

3.1 Employment Preference. XYZ GOLD INC. agrees to make best efforts to employ First Nations Members during all phases of the Project. To this end, XYZ GOLD INC. will:

a) circulate notice of job opportunities and minimum qualifications and experience to the First Nations on an ongoing basis;

b) ensure that the minimum qualifications requirements do not include the requirement for a high school diploma or equivalent;

c) interview on a priority basis applicants from the First Nations that meet the minimum job qualifications and experience, or who with reasonable on-the-job training could meet such qualifications;

d) hire on a priority basis those applicants who meet the minimum job qualifications and other posted job requirements, or subject to the availability of on-the-job training opportunities, could with reasonable training meet such qualifications;

e) track and report to the First Nations on a quarterly basis the number of employed First Nation Members;

f) use best efforts to have any contractors or sub-contractors employed by XYZ GOLD INC. respect the provisions of this section, and

g) Upon signing an IBA the First Nations and XYZ GOLD INC. will establish a committee that, amongst other duties to be negotiated, will create a training

and employment plan that will maximize the benefits of employment and training for the First Nations.

3.2 Training. XYZ GOLD INC. agrees, where practical, to make the best efforts to provide training opportunities for First Nations Members during all phases of the Project. To this end XYZ GOLD INC. will:

a) make best efforts to provide and cover costs of training for employment during the Project; and,

b) provide written support to any applications for training funds related to the Project that may be submitted by the First Nations to funding agencies.

3.3 FINANCIAL COMPENSATION DURING EXPLORATION. XYZ GOLD INC. agrees that it must compensate for the impact of all exploration activities related to the Exploration Program to the First Nations and to that end the parties agree that:

a) XYZ Gold Inc. will pay 2% of all costs of the Exploration Program incurred to date and after this agreement takes effect, to be divided equally amongst the First Nations.

b) XYZ Gold Inc. will grant 50,000 options to each of the First Nations at an exercise price to be determined as of the date this MOU takes effect, subject to approval of the TSX Venture Exchange, with the options to vest on the following schedule, unless this MOU has been otherwise terminated:

i) 25% on the approval of the TSX Venture Exchange;

ii) 25% six months after the date of this MOU;

iii) 25% 12 months after the date of this MOU;

iv) 25% 18 months after the date of this MOU.

c) XYZ Gold Inc. will grant 50,000 shares to each of the First Nations, subject to approval of the TSX Venture Exchange, with the shares to be delivered on the following schedule, unless this MOU has been otherwise terminated:

i) 25% on the approval of the TSX Venture Exchange;

ii) 25% six months after the date of this MOU;

iii) 25% 12 months after the date of this MOU;

iv) 25% 18 months after the date of this MOU.

d) For the purpose of compliance with the applicable policies of the TSX Venture Exchange, it is agreed that the deemed price of the foregoing securities to be issued will be determined as at the date of issue, and each date of issue reflects the consultation and advice provided pursuant to this MOU as at the date thereof.

e) That the First Nations will support all activities related to the Exploration Program except those as described in section 6.3.

4 IMPACT BENEFIT AGREEMENT NEGOTIATIONS ("IBA")

4.1 IBA Negotiations Subject to the terms and conditions set out herein, the First Nations and XYZ GOLD INC. agree to establish a timetable and commence negotiations toward an IBA as soon as appropriate and reasonably practicable.

4.2 Approval. Following termination of this Memorandum of Understanding final approval of an IBA is required as a condition of continued First Nation consent, for XYZ GOLD INC.'s work on its Properties, and the Parties agree that such final approval will require the First Nations community members' prior consultation, support and ratification, as determined by the First Nations' own processes, and the approval of XYZ GOLD INC.'s Board.

4.3 Target Date. The parties agree that they shall use their best efforts to negotiate an Impact Benefit Agreement on or before the completion of a feasibility study.

4.4 Good Faith. The Parties agree to conduct the IBA negotiations in good faith and with mutual respect for one another.

4.5 Negotiation Topics. XYZ GOLD INC. and the First Nations agree that negotiations toward an IBA agreement will include, but not be limited to, the following topics and related objectives:

a) Education and Training; To provide ongoing opportunities for First Nations Members to become qualified for employment opportunities during all phases of the Project,

b) Employment Opportunities; To enable the First Nations Members to secure employment during all phases of the Project and to reduce barriers to the First Nations Members employment on the Project;

c) Workplace Conditions; To promote workplace and working conditions that are safe, healthy and supportive of First Nations employees and which are respectful and supportive of their culture;

d) Business Opportunities; To maximize the benefit from business opportunities associated with all phases of the Project to the First Nations and their members;

e) Financial Participation and/or Compensation: To set out the financial and other compensation for Project impacts on and affecting the First Nations territory and the First Nations, and to set out how the First Nations will share in benefits realized by the Project;

f) Environmental Protection, Mitigation, Monitoring and Reporting, To establish and promote measures intended to protect the environment and minimize the adverse environmental effects of the Project;

g) Ongoing Communications and Consultation Between the Parties; To set out implementation processes that will guide the ongoing relationship between the Parties including a dispute resolution process;

h) Access to the Project Area; To establish the conditions for access to the Project Area by the First Nations Members for practice of traditional pursuits; and,

i) Such other topics as the Parties may agree.

4.6 IBA Negotiation Expenses.

a) XYZ GOLD INC. will pay the First Nations negotiations costs for this MOU in the amount of $____ payable immediately upon signing of this MOU.

b) the First Nations and XYZ GOLD INC. together will develop a negotiation budget with respect to negotiation of an IBA, including;

i) reasonable legal, financial and other professional and consulting fees and expenses;

ii) community consultation costs, including community consultation personnel, material development, translation and distribution, meetings and the like;

iii) technical expertise and review costs;

negotiation team members costs; and

Reasonable travel, administrative and other costs.

4.7 Contribution to Negotiation Costs. XYZ GOLD INC. will cover the reasonable IBA Negotiations Costs as set out in section 4.6 b), where not covered by 4.8 below.

4.8 Access to Government Funding for Negotiation Costs. The Parties agree to work cooperatively to maximize government funding to support the Negotiation Costs.

4.9 First Nation Accountability. The First Nations agree to provide summaries of incurred Negotiation Expenses within 30 days after each month same are incurred. Nothing in this Agreement will require the First Nations to divulge matters subject to solicitor-client privilege or any positions or strategies of the First Nations with respect to the IBA Negotiations.

4.10 First Nations to Minimize Costs. To the extent reasonable and possible, the Parties agree that in their procurement of goods and services for the IBA Negotiations, they will minimize potential financial liabilities that could result from possible termination or suspension of the Negotiations or from the possible termination of this Memorandum of Understanding.

5. ENVIRONMENTAL MATTERS

5.1 Government Permits. XYZ GOLD INC. will obtain any and all necessary governmental permission or approvals for the Project;

5.2 Environmental Standards. XYZ GOLD INC. will comply with all required environmental standards including implementation of any and all mitigation measures respecting wildlife; and will disclose to the First Nations any direct, indirect or cumulative environmental impacts that may result from the Exploration Project, and provide the First Nations with a plan for prevention and remediation of any and all such direct, indirect or cumulative impacts.

5.3 Hunting and Trapping Activities. XYZ GOLD INC. will seek input from any individual who holds an MNR-registered trap line on the XYZ GOLD INC. mining operations, claims and leases, respecting their trapping activities should they exist. XYZ GOLD INC. will also seek input from, and attempt to address the reasonable concerns raised by the First Nations Members concerning hunting/trapping/harvesting activities on the territory covered by XYZ GOLD INC.'s mining claims and leases, including, where appropriate, through compensation.

5.4 Permit Review. XYZ GOLD INC. shall ensure that its Project is carried out in a way to minimize the disturbance to the natural environment through consultation with the First Nations. Such consultation will include providing a copy of all environmental permits or like instruments required to carry out its exploration activities and operations, and a description of the proposed activities, so that the First Nations may respond and comment prior to the submission of such permits to the provincial or federal issuing authority. XYZ GOLD INC. shall consider such comments and requests in carrying out the Project.

5.5 First Nation Values. XYZ GOLD INC. will, as required, accommodate the values identified by the First Nation. In addition, XYZ GOLD INC. will seek the First Nations' local and traditional knowledge about potential burial or other archaeological significant sites. The First Nations will set out a process and the conditions by which such local and traditional knowledge may be Shared and XYZ GOLD INC. will only be committed to incorporate such information that is shared with them.

5.6 First Nations Environmental Capacity. The First Nations will retain the appropriate technical expert(s) to review the information produced by XYZ GOLD INC. during the consultations and permit review, and to conduct a peer review. This review also may include advice respecting ecological issues. The First Nations will apply to the Ontario Ministry of Mines and Northern Development for funding to support work of the technical expert(s). XYZ GOLD INC. will fund any shortfall in the reasonable budgeted costs of the First Nation pursuant to this section.

5.7 First Nations Elders Committee. The First Nations shall appoint an Elders Committee which will be engaged for the purpose of consultation and advice. XYZ Gold Inc. agrees to fund the Elders Committee, up to a maximum of $15,000 per year, and to provide the First Nations Elders Committee with access to the Project site. The First Nations will designate the Elders Committee, and the Elders Committee will report directly to the First Nations. XYZ Gold Inc. further agrees to respond within a reasonable time-frame to any issues raised by the Elders Committee. The Elders Committee may be present throughout the Exploration Program.

6. FIRST NATIONS SUPPORT

6.1 Project Support. Subject to XYZ GOLD INC.'s adherence to the terms and conditions of this Memorandum of Understanding the First Nations agree to support the Project while this Memorandum of Understanding remains in force.

6.2 Community Support. Notwithstanding the foregoing, any First Nation may, on written notice, terminate its participation in this Agreement if the First Nation determines that there is no reasonable prospect of obtaining, from the First Nation's membership, community sanction for the Project. If any First Nation exercises its right of

termination under this section, any non-vested entitlements of the First Nation under this Agreement shall be forfeited. In the event of termination by one or two First Nations, this Agreement shall continue to be in effect according to its terms for any non-terminating First Nation(s).

6.3 Environmental Support. Subject to section 5 of this Memorandum of Understanding, the First Nations agree to support XYZ GOLD INC.'s permit or license applications as may be required for the Exploration Program. Political support could also be provided to the Exploration Program where that support does not conflict with other First Nation priorities.

7. CONFIDENTIALITY

7.1 Confidential Information. XYZ GOLD INC. will provide all relevant information in their control or possession to the First Nations necessary for the First Nations to perform due diligence to confirm XYZ GOLD INC.'s stated exploration costs as set out in section 3.3(a) of the Memorandum of Understanding, and to conduct the Negotiations and conclude an IBA, and if such information is of a proprietary or otherwise confidential nature to XYZ GOLD INC., they may require that the First Nations or their representatives in the Negotiations enter into a confidentiality agreement for this purpose.

7.2 Confidentiality. Unless XYZ GOLD INC. agrees otherwise, the First Nations agree that all Exploration Program and financial information obtained directly from XYZ GOLD INC. and not available through any other means as a result of this Memorandum of Understanding is and shall remain the sole and exclusive secret property of XYZ GOLD INC. forever and agree that they will not divulge to anyone other than XYZ GOLD INC. and its duly authorized representatives any information so obtained for any purpose whatsoever, except for the use of such information by the First Nations in consultations with the First Nations Members or the Crown.

7.3 Communication. It is agreed that XYZ GOLD INC. and the First Nations will use best efforts to keep all communication internal, and not utilize the media or public avenues to discuss the relationship between the First Nations and XYZ GOLD INC. without joint review and concurrence on any public releases, including press releases and news conferences.

8. DISPUTE RESOLUTION

8.1 Resolution of Disputes. The Parties shall endeavour to amicably resolve, by negotiation, any dispute which arises between them in connection with this agreement. The Parties will make *bona fide* efforts to resolve any dispute by amicable negotiations and the Parties agree to provide, without prejudice, frank, candid and timely disclosure of all relevant facts, information, and documents to facilitate such resolutions.

9. GENERAL

9.1. Nothing in this Memorandum of Understanding is intended to define, create, or extinguish any rights of the First Nations or XYZ GOLD INC..

9.2 This Memorandum of Understanding is legally binding on the Parties.

9.3 This Memorandum of Understanding supersedes any other agreements currently in place between XYZ GOLD INC. and the First Nations.

9.4 This Memorandum of Understanding will be consistent with the law and the regulations of Ontario and Canada.

9.5 XYZ GOLD INC. will provide the First Nations with advance notice of any public disclosure relating to this agreement that may be required by the securities laws or the rules of any stock exchange on which the shares of XYZ GOLD INC. may be listed. Any public communication regarding this agreement not covered by the securities laws or stock exchange rules requires the consent of both parties.

9.6 Subject to section 6.2, this Memorandum of Understanding shall come into effect upon execution and remain in effect the until IBA negotiations between the First Nations and XYZ GOLD INC. with respect to agreements contemplated by this Memorandum of Understanding have been concluded.

9.7 XYZ GOLD INC. may sell, assign, transfer or otherwise dispose of the whole or any part of its interest in the Project at any time upon notice to the First Nations, provided that any such sale, assignment, transfer or other disposition shall carry the rights, and shall delegate and make the interest subject to, all the liabilities and obligations of XYZ GOLD INC. under this Agreement. Each transferee of such interest shall, by written agreement with and for the benefit of the First Nations, assume and agree to pay and perform such liabilities and obligations. Such assumption shall not serve to release or discharge XYZ GOLD INC. from any of the said liabilities and obligations theretofore accrued with respect to the interest or portion thereof being transferred, but shall release and discharge XYZ GOLD INC. from all of the said liabilities and obligations thereafter accruing with respect to the interest or portion thereof being transferred.

IN WITNESS WHEREOF the parties have executed this Memorandum of understanding as of the date first written above.

XYZ GOLD INC. MINES LIMITED	ABC FIRST NATION
Per: _____	Per: _____
_____	_____

To Matachewan First Nation Counter Offer – June 2, 2012

Doug Robinson

From: "Doug Robinson" <robinson@ntl.sympatico.ca>
To: "MNDM Grace Lo: grace.lo@ontca" <grace.lo@ont.ca>
Cc: <robinson@nt.net>
Sent: Tuesday, June 05, 2012 7:30 AM
Attach: Eby West Offer 3 - 2012-06-02.doc
Subject: Fw: Memorandum of Agreement The President set by this agreement may impact every person in Ontario.

Hi Grace

The President set by this agreement may impact every person in Ontario.

I have received email error on my previous transitions.

Please email robinson@nt.net to let me know you received this offer.

Doug Robinson

----- Original Message -----
From: Doug Robinson
To: Ontario Premier Dalton McGuinty
Cc: robinson@nt.net
Sent: Tuesday, June 05, 2012 8:22 AM
Subject: Fw: Memorandum of Agreement The President set by this agreement may impact every person in Ontario.

Dalton McGuinty, Premier of Ontario
Legislative Building, Queen's Park, Toronto, ON, M7A 1A1
Phone: 416-325-3777
Email: dmcguinty.mpp.co@liberal.ola.org

The President set by this agreement may impact every person in Ontario.

I have received email error on my previous transitions.

Please email robinson@nt.net to let me know you received this offer.

Doug Robinson

Doug Robinson

----- Original Message -----
From: Doug Robinson
To: robinson@nt.net
Sent: Sunday, June 03, 2012 10:53 AM
Subject: Fw: Memorandum of Agreement Word Only

----- Original Message -----
From: Doug Robinson
To: robinson@nt.net
Sent: Sunday, June 03, 2012 10:49 AM
Subject: Fw: Memorandum of Agreement

----- Original Message -----
From: Doug Robinson
To: Ontario Premier Dalton McGuinty ; bruno@pikogan.com ; bhfn@ntl.sympatico.ca ; bandmanager@matachewanfirstnation.com ; Consultations@metisnation.org ; tfnchirf@parolink.net ; wahgoshi@ntl.sympatico.ca ; Matachewan First Nation: Michecline Dube
Cc: Northern Prospectors Association ; MNDM: Robert Merwin ; William McGuinty ; : robinson@nt.net
Sent: Sunday, June 03, 2012 10:30 AM
Subject: Fw: Memorandum of Agreement

----- Original Message -----
From: Doug Robinson
To: bruno@pikogan.com ; bhfn@ntl.sympatico.ca ; bandmanager@matachewanfirstnation.com ; Consultations@metisnation.org ; tfnchirf@parolink.net ; wahgoshi@ntl.sympatico.ca
Cc: robinson@nt.net
Sent: Sunday, June 03, 2012 10:13 AM
Subject: Fw: Memorandum of Agreement

----- Original Message -----
From: Doug Robinson
To: bruno@pikogan.com ; bhfn@ntl.sympatico.ca ; bandmanager@matachewanfirstnation.com ; Consultations@metisnation.org ; tfnchirf@parolink.net ; wahgoshi@ntl.sympatico.ca ; Matachewan First Nation: Michecline Dube ; Ontario Premier Dalton McGuinty
Cc: MNDM: Robert Merwin ; MNDM Grace Lo: grace.lo@ontca ; William McGuinty ; Northern Prospectors Association ; robinson@nt.net
Sent: Sunday, June 03, 2012 10:05 AM
Subject: Memorandum of Agreement

Hello All

Attached is the Public Document:
Memorandum of Understanding for my Property in Eby Tp which is dependent on the Signature of all First nations, Her Majesty the Queen in Right of Ontario and myself to become effective.
The accompanying maps are also attached.

I apologize for the delay in resending to your correspondence several weeks ago.
My wife and I had to deal with Ontario's second-third largest forest fire burning one mile from our house while filling our professional obligations..

In the staking of Eby West Property in the 1990's I contracted an Aboriginal Contractor to stake with me; however, a serious family tragedy prevented the contractor from performing the work.
Since 1994 my family has performed approximately 150 km of Grids cutting and detailed MaxMin EM, magnetic, geological mapping and other surveys.
Two of these surveys were ground breaking surveys pushing the then Engineering thresholds past their limits.
Due to the nature of family business, we perform all the our work on the property internally and we are still in the hole financially regarding the claims..

As a contractor, I have worked numerous projects with Aboriginal peoples and their work was of the highest

quality.
I see no significant difference between their work and the work of my children in the equivalent task.
As a contractor I work with Aboriginal Contractors; not because of legal obligation, but of mutual respect for the quality of work and the people.

Respectfully Submitted

Doug Robinson

Memorandum of Understanding

Between Douglas Robinson
OF THE FIRST PART

-and –

The First Nations
1a. Abitibiwinni, Conseil de la Premierre Nation
1b. Beaverhouse First Nation
1c. Matachewan First Nation
1d. Timiskaming First Nation
1e. Wahgoshig First Nation (Abitibi #70)
1f. Métis Nation of Ontario
OF THE SECOND PART

-and-

Her Majesty the Queen in Right of Ontario
OF THE THIRD PART

A. WHEREAS **Douglas Robinson** is an individual with an objective for the development and mining of minerals on his mining claims and properties ("Project");
B. WHEREAS the First Nations **1a. Abitibiwinni, Conseil de la Premierre Nation, 1b. Beaverhouse First Nation, 1c. Matachewan First Nation, 1d. Timiskaming First Nation, 1e. Wahgoshig First Nation (Abitibi #70) and 1f. Métis Nation of Ontario** hold inherent aboriginal rights and treaty rights to and over their traditional territory and exercise those rights in their territory and assert certain rights and claims in respect of surface and subsurface rights in all lands in their territory specifically listed under the headings "Inherent Aboriginal Rights and Treaty Rights" and "Traditional Uses".
C. WHEREAS **Her Majesty the Queen in Right of Ontario** has mandated stakeholders in Ontario engage in First Nations consultation on carrying out activities including exploration and mining and rehabilitation of the project site to reflect the potential **level of impact of activities on Aboriginal and treaty rights**.

1. PURPOSE
1.1 The purpose of this Memorandum of Understanding is:
1.1.1 to establish a mutually beneficial, cooperative and productive relationship through which Douglas Robinson recognizes and agrees to respect the aboriginal rights and treaty rights of the First Nations while engaged in the exploration activities and operation of the Project commensurate with the norms of commercial, corporate and Government Ministry activities in Ontario;
1.1.2 to provide a process through which Douglas Robinson can consult with and accommodate the interests of the First Nations as outlined herein with a view to reconciling any competing interests at stake;

1.1.3 to establish a relationship through which the First Nations can identify opportunities for its businesses and citizens to participate in Douglas Robinson's exploration activities and operations;
1.1.4 to provide evidence for Her Majesty the Queen in Right of Ontario, that the First Nations, Her Majesty the Queen in Right of Ontario and Douglas Robinson intend to work together in a spirit of cooperation for mutual benefit as well as social, ecological, cultural and economic well-being of all.

2. BUSINESS OPPORTUNITIES
All parties recognize Douglas Robinson operates as a family business engaged in their traditional land uses. To date Douglas Robinson and family has cut approximately 150 km of grid lines in their Eby-Otto Properties with detailed MaxMin EM, magnetic and mapping of all these lines. These exclude the other properties operated in Douglas Robinson's family business.
All parties recognize Douglas Robinson and Most Junior Exploration and Mining Companies use the services of contractors, not individuals and.
All parties recognize the success of the project is paramount and takes priority over other business opportunities.
2.1 Objectives. The parties agree that it is their common objective to assist the First Nations and their Members to benefit from business opportunities associated with the Project on a competitive basis with Ontario contractors.
2.2 Businesses. The First Nations will designate businesses which they consider to be First Nation Businesses. The First Nations will provide Douglas Robinson with updated lists of qualified First Nations Businesses.
2.3 Discrimination. Douglas Robinson will treat the various First Nations Businesses with fairness.
2.4 Contracts. Douglas Robinson agrees to undertake all reasonable efforts to package exploration work and operation contracts in a manner to assist the qualified First Nations Businesses to access business opportunities on a competitive basis with other Ontario businesses.
2.5 HST Documentation. The First Nations Businesses List will provide HST and any other unique identifiers require to perform business in Ontario and Canada.
2.6 Final Business Decisions. Subject to adherence by Douglas Robinson to the provisions of this Memorandum of Understanding, final business decisions with respect to the award of any contract are the sole discretion of Douglas Robinson.

3 EMPLOYMENT & TRAINING
All parties recognize Douglas Robinson operates as a family business engaged in their traditional land uses. To date Douglas Robinson and family has cut approximately 150 km of grid lines in their Eby-Otto Properties with detailed MaxMin EM, magnetic and mapping of all these lines. These exclude the other properties operated in Douglas Robinson's family business.
All parties recognize Douglas Robinson and Most Junior Exploration and Mining Companies use the services of contractors, not individuals and.
All parties recognize the success of the project is paramount and takes priority over other employment and training opportunities.

4 Access: Douglas Robinson agrees to provide access to the Project Area by the First Nations Members for practice of traditional pursuits.

5 Hunting and Trapping Activities. Douglas Robinson will seek input from any individual who holds an MNR-registered trap line on the Property respecting their trapping activities should they exist. Douglas Robinson will also seek input from, and attempt to address the reasonable concerns raised by the First Nations Members concerning hunting/trapping/harvesting activities on the territory covered by Douglas Robinson's mining claims and leases, including, where appropriate, through compensation commensurate with the compensation norms of commercial, corporate and Government Ministries activities in the province of Ontario.

6 Permit Review. Douglas Robinson and Ministry of Northern Development and Mines acting for Her Majesty the Queen in Right of Ontario shall ensure that its Project is carried out in a way to minimize the disturbance to the natural environment through consultation with the First Nations. Such consultation will include providing a PDF format copy of all environmental permits or like instruments required to carry out its exploration activities and operations, and a description of the proposed activities, so that the First Nations may respond and comment prior to the submission of such permits to the provincial or federal issuing authority. Douglas Robinson shall consider such comments and requests in carrying out the Project.

7 First Nation Values. Douglas Robinson will, as required, accommodate the values identified by the First Nation. In addition, Douglas Robinson will seek the First Nations' local and traditional knowledge about potential burial or other archaeological significant sites. The First Nations will set out a process and the conditions by which such local and traditional knowledge may be Shared and Douglas Robinson will only be committed to incorporate such information that is shared with them.

8 Confidentiality. This document and all subsequent agreements and documents are public domain documents.

9 Dispute resolution. Dispute resolution will be by Ontario Superior Court decision.

10 Inherent Aboriginal Rights and Treaty Rights. This document explicitly lists applicable inherent aboriginal rights and treaty rights applicable to the property as listed below.

_____

_____

11 Traditional Uses: This document explicitly lists applicable the treaty rights applicable to the property as listed below:

_____

_____

12 Equality of Lands.
12.1 All signatories agree all lands in Ontario were or are First Nations Land.
12.2 All signatories agree all private, corporate, crown and private lands in Ontario, including mining lands are equal in regards to First Nations Issues.

13 Equal Opportunity. All signatories agree commercial and government employment activities including mining activities are equal in regards to First Nations Issues.

14 The Property
The project property is Mining Claim 1199832 for which other persons hold the surface rights and are also subject to First Nations concerns addressed in this Memorandum of Understanding.

15 Document Media and Transmission
This Document is prepared for Email Transactions at the itemized addresses in the "Schedule of Contact Information".

Dated _____ at _____

Signatures

_____
Douglas Robinson
OF THE FIRST PART

_____ for
1a. Abitibiwinni, Conseil de la Premierre Nation

_____ for

1b. Beaverhouse First Nation

_____ for
1c. Matachewan First Nation

_____ for
1d. Timiskaming First Nation

_____ for
1e. Wahgoshig First Nation (Abitibi #70)

_____ for
1f. Métis Nation of Ontario

OF THE SECOND PART

-and-

_____ for

Her Majesty the Queen in Right of Ontario
OF THE THIRD PART

Schedule of Contact Information

Abitibiwinni, Conseil de la Premierre Nation
Attention **Bruno Kistabish** Chief 45 rue Migwam, Pikogan Quebec, J9T 3A3
Phone: 819 732-6591
Email: bruno@pikogan.com
Web site: http://www.pikogan.com/

Beaverhouse First Nation
Attention: **Gloria McKenzie** Chief, P.O. Box 1022, 26 Station Road North, Kirkland Lake, P2N 3L1
Phone: 705 567-2022
Email: bhfn@ntl.sympatico.ca
Web site: http://firstnation.ca/beaverhouse

Matachewan First Nation
Attention: **Alex (Sonny) Batisse** P.O. Box 160, Matachewan, Ontario, P0K 1M0
Phone: 705 565-2230 extension 222
bandmanager@matachewanfirstnation.com
Web site: http://matachewanfirstnation.com/contacts.php

Timiskaming First Nation
Attention: **Terence McBride**, Chief, 18 Algonquin Ave. P.O. Box 336, Notre-Dame-du-Nord, Quebec, J0Z 3B0
Phone : 819 723-2370
Email: tfnchirf@parolink.net
Web site: http://www.timiskamingfirstnation.ca/

Wahgoshig First Nation (Abitibi #70)
Attention: **David Babin**, R.R. #3 Matheson, Ontario, P0K 1N0
Phone: 705 273-2055
Email: wahgoshi@ntl.sympatico.ca
Web site: http://anishinabenation.ca/eng/comm_wahgoshig_en.htm
Tanya Babin alternate contact

Métis Nation of Ontario
Attention: **Gary Lipinski** President, 500 St Patrick Street, Ottawa, Ontario, K1N 9G4
Phone: 613 798-1488
Email: Consultations@metisnation.org (Steven Sarrazin)
Web site: http://www.metisnation.org/

Douglas Robinson and Betty Robinson
Box 218, Swastika, Ontario, P0K 1TO
Email: robinson@nt.net

Dalton McGuinty, Premier of Ontario
Legislative Building, Queen's Park, Toronto, ON, M7A 1A1
Phone: 416-325-3777
Email: dmcguinty.mpp.co@liberal.ola.org

Grace Lo, Policy Adviser, Ministry of Northern Development and Mines Deputy Minister's Office, Corporate Policy Secretariat
99 Wellesley Street West, Suite 5630, Whitney Block, Toronto ON, M7A 1W3
Phone: (416) 325-3447
Email: grace.lo@ontca

Rob Merwin Ministry of Northern Development and Mines
Mines and Minerals Division, 933 Ramsey Lake Road, Level B6, Sudbury Ontario P3E 6B5
Phone: (705) 760-5755
Email: robert.merwin@ontario.ca

To Matachewan First Nation Notice of Continuance Oct 26, 2012

Doug Robinson

From: "Doug Robinson" <robinson@ntl.sympatico.ca>
To: "Matachewan FN Micheline Dube" <micheline.dube@xplornet.ca>; "Matachewan FN: Alex (Sonny) Batisse Chief" <a.batisse@hotmail.com>
Cc: "Robinson: Prospector" <robinson@nt.net>
Sent: Friday, October 26, 2012 11:25 AM
Attach: Eby Claim Map 2012-10-26 pdf.pdf; Map Road jpg.jpg; Map Road pdf.pdf; Eby Claim Map 2012-10-26 jpg.jpg; 2012-10-26 Notice of Continuance.doc
Subject: Continuance of Work in Eby Tp. Oct 2012
Sent To

Abitibiwinni, Conseil de la Premierre Nation : Attention **Bruno Kistabish** Chief
Phone: 819 732-6591 Email: bruno@pikogan.com

Beaverhouse First Nation: Attention: **Gloria McKenzie** Chief
Phone: 819 732-6591 Email: bruno@pikogan.com

Matachewan First Nation: Attention: Chief **Alex (Sonny) Batisse**
Phone: 705 565-2230 extension 222 Email : a.batisse@hotmail.com
Micheline Dube : micheline.dube@xplornet.ca

Timiskaming First Nation: Attention: **Terence McBride,**
Phone : 819 723-2370 Email: tfnchrf@parolink.net

Wahgoshig First Nation (Abitibi #70): Attention: **David Babin**
Phone: 705 273-2055 Email: wahgoshi@ntl.sympatico.ca

Métis Nation of Ontario: Attention: **Gary Lipinski** President
Phone: 613 798-1488 Email: garyl@metisnation.org
or Consultations@metisnation.org

From Douglas Robinson: Prospector: Box 218 Swastika, Ontario, P0K 1T0
Phone 705 642-9153 Email: robinson@nt.net

Hello All

This letter is to continue our communication to date regarding our continuing prospecting/exploration work in Eby-Otto Tp 11 km SW of Kirkland Lake and potential overlap of interest with First Nations people.

The family of Douglas Robinson and Betty Robinson continue to explore our mining claims 1186975 and 1242292 in Eby Tp. This property is located approximately 11 km SW of Kirkland Lake Ontario, approximately 4m south of Highway 66 and approximately 1½ km NE of Hwy 11.

This property is part of the larger Eby–Otto Tp land we traditionally prospect. To date our family has completed approximately 140 km of line cutting, detailed geological Max Min EM surveys and detailed magnetic surveys and rock and soil sampling on these lands. We do similar work for our neighbors within this land we traditionally explore.

The land we traditionally explore is located east of highway 11 and south of Highway 66 and also the land south of Lake Kenogami and west of Highway 11.

We believe the work we have done to date meets the expectations of new work under the soon to be enacted mining act revisions. It is our intent to continue to explore responsibly in these lands.

At this stage of exploration we have no intent to perform disruptive mechanized exploration techniques such as stripping and diamond drilling. When and if mechanized exploration is planned, the new Mining Act regulations deal decisively with this work permitting process and follow-up to this process. We plan to communicate with you in the planning process of any future planned exploration processes that are disruptive in nature.

Do you have any areas of specific concerns on the property in the attached map? If you have concerns in the vicinity of our traditional exploration area we would appreciate knowing of these as we work in cooperation with our neighbors.

Douglas Robinson

Contact information
Abitibiwinni, Conseil de la Premierre Nation
Attention **Bruno Kistabish** Chief 45 rue Migwam, Pikogan Quebec, J9T 3A3
Phone: 819 732-6591
Email: bruno@pikogan.com
Web site: http://www.pikogan.com/

Beaverhouse First Nation
Attention: **Gloria McKenzie** Chief, P.O. Box 1022, 26 Station Road North, Kirkland Lake, P2N 3L1
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Email: bhfn@ntl.sympatico.ca
Web site: http://firstnation.ca/beaverhouse

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Phone: 705 565-2230 extension 222
Email : a.batisse@hotmail.com
Micheline Dube : micheline.dube@xplornet.ca
Web site: http://matachewanfirstnation.com/contacts.php

Timiskaming First Nation
Attention: **Terence McBride**, Chief, 18 Algonquin Ave. P.O. Box 336,
Notre-Dame-du-Nord, Quebec, J0Z 3B0
Phone : 819 723-2370
Email: tfnchrf@parolink.net
Web site: http://www.timiskamingfirstnation.ca/

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Attention: **David Babin**, R.R. #3 Matheson, Ontario, P0K 1N0
Phone: 705 273-2055
Email: wahgoshi@ntl.sympatico.ca
Web site: http://anishinabenation.ca/eng/comm_wahgoshig_en.htm
Tanya Babin alternate contact

Metis Nation of Ontario
Attention: **Gary Lipinski** President, 500 St Patrick Street, Ottawa, Ontario, K1N 9G4
Phone: 613 798-1488
Email: garyl@metisnation.org Consultations@metisnation.org (Steven Sarrazin)
Web site: http://www.metisnation.org
Elections: May 7, 2012

Douglas Robinson
Box 218 Swasstika, Ontario, P0K 1T0
Phone 705 642-9153
Email: robinson@nt.net

Attached
Regional Map of Kirkland Lake Area
Claim Map of Robinson Claims

Sent To

Abitibiwinni, Conseil de la Premierre Nation : Attention **Bruno Kistabish** Chief
Phone: 819 732-6591 Email: bruno@pikogan.com

Beaverhouse First Nation: Attention: **Gloria McKenzie** Chief
Phone: 819 732-6591 Email: bruno@pikogan.com

Matachewan First Nation: Attention: Chief **Alex (Sonny) Batisse**
Phone: 705 565-2230 extension 222 Email : a.batisse@hotmail.com
Micheline Dube : micheline.dube@xplornet.ca

Timiskaming First Nation: Attention: **Terence McBride,**
Phone : 819 723-2370 Email: tfnchirf@parolink.net

Wahgoshig First Nation (Abitibi #70): Attention: **David Babin**
Phone: 705 273-2055 Email: wahgoshi@ntl.sympatico.ca

Métis Nation of Ontario: Attention: **Gary Lipinski** President
Phone: 613 798-1488 Email: garyl@metisnation.org
or Consultations@metisnation.org

From Douglas Robinson: Prospector: Box 218 Swastika, Ontario, P0K 1T0
Phone 705 642-9153 Email: robinson@nt.net

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Douglas Robinson

Contact information

Abitibiwinni, Conseil de la Premierre Nation
Attention **Bruno Kistabish** Chief 45 rue Migwam, Pikogan Quebec, J9T 3A3
Phone: 819 732-6591
Email: bruno@pikogan.com
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Attention: **Gloria McKenzie** Chief, P.O. Box 1022, 26 Station Road North, Kirkland Lake, P2N 3L1
Phone: 705 567-2022
Email: bhfn@ntl.sympatico.ca
Web site: http://firstnation.ca/beaverhouse

Matachewan First Nation
Attention: Chief **Alex (Sonny) Batisse** P.O. Box 160, Matachewan, Ontario, P0K 1M0
Phone: 705 565-2230 extension 222
Email : a.batisse@hotmail.com
Micheline Dube : micheline.dube@xplornet.ca
Web site: http://matachewanfirstnation.com/contacts.php

Timiskaming First Nation
Attention: **Terence McBride**, Chief, 18 Algonquin Ave. P.O. Box 336,
Notre-Dame-du-Nord, Quebec, J0Z 3B0
Phone : 819 723-2370
Email: tfnchirf@parolink.net
Web site: http://www.timiskamingfirstnation.ca/

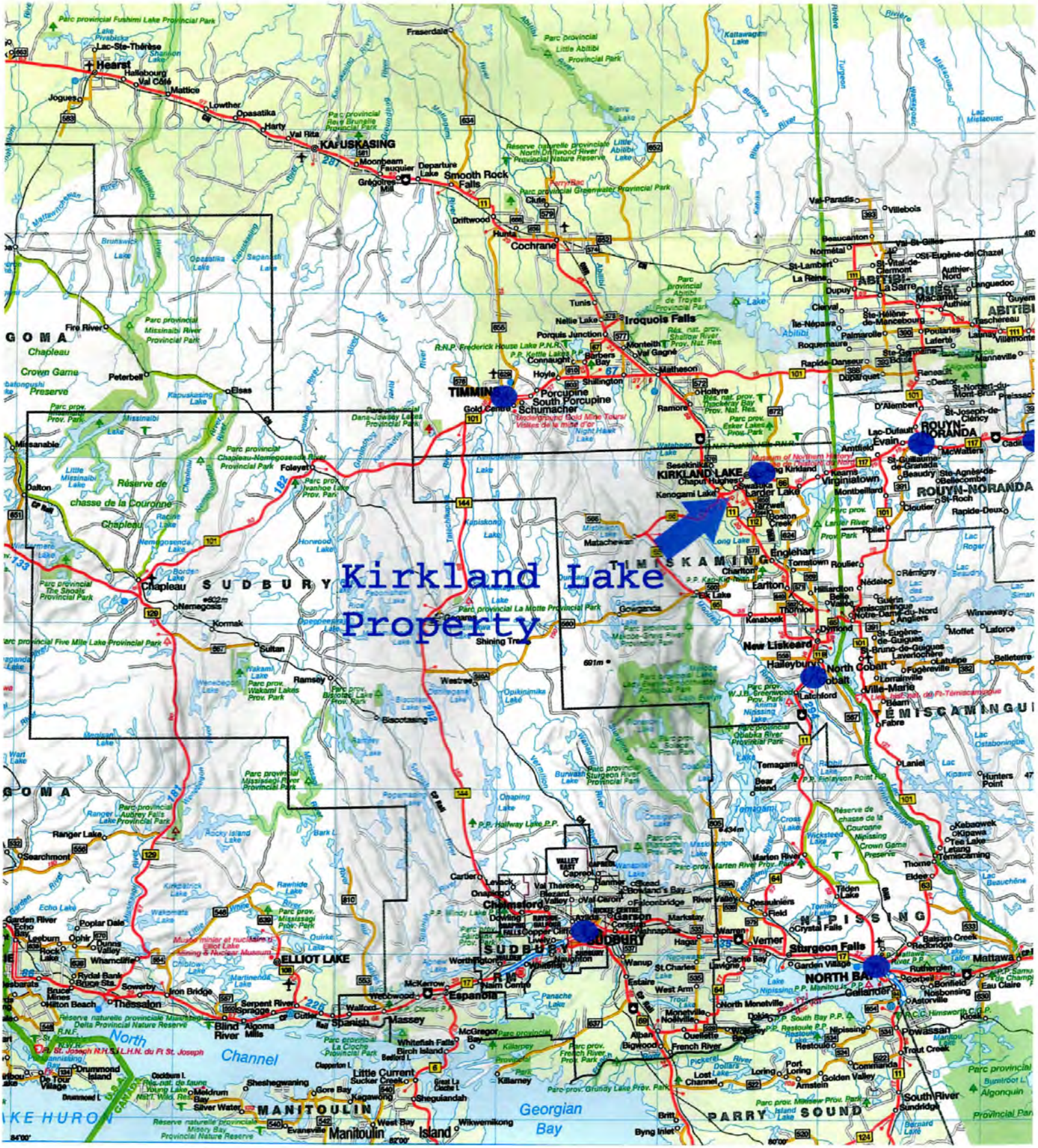
Wahgoshig First Nation (Abitibi #70)
Attention: **David Babin**, R.R. #3 Matheson, Ontario, P0K 1N0
Phone: 705 273-2055
Email: wahgoshi@ntl.sympatico.ca
Web site: http://anishinabenation.ca/eng/comm_wahgoshig_en.htm
Tanya Babin alternate contact

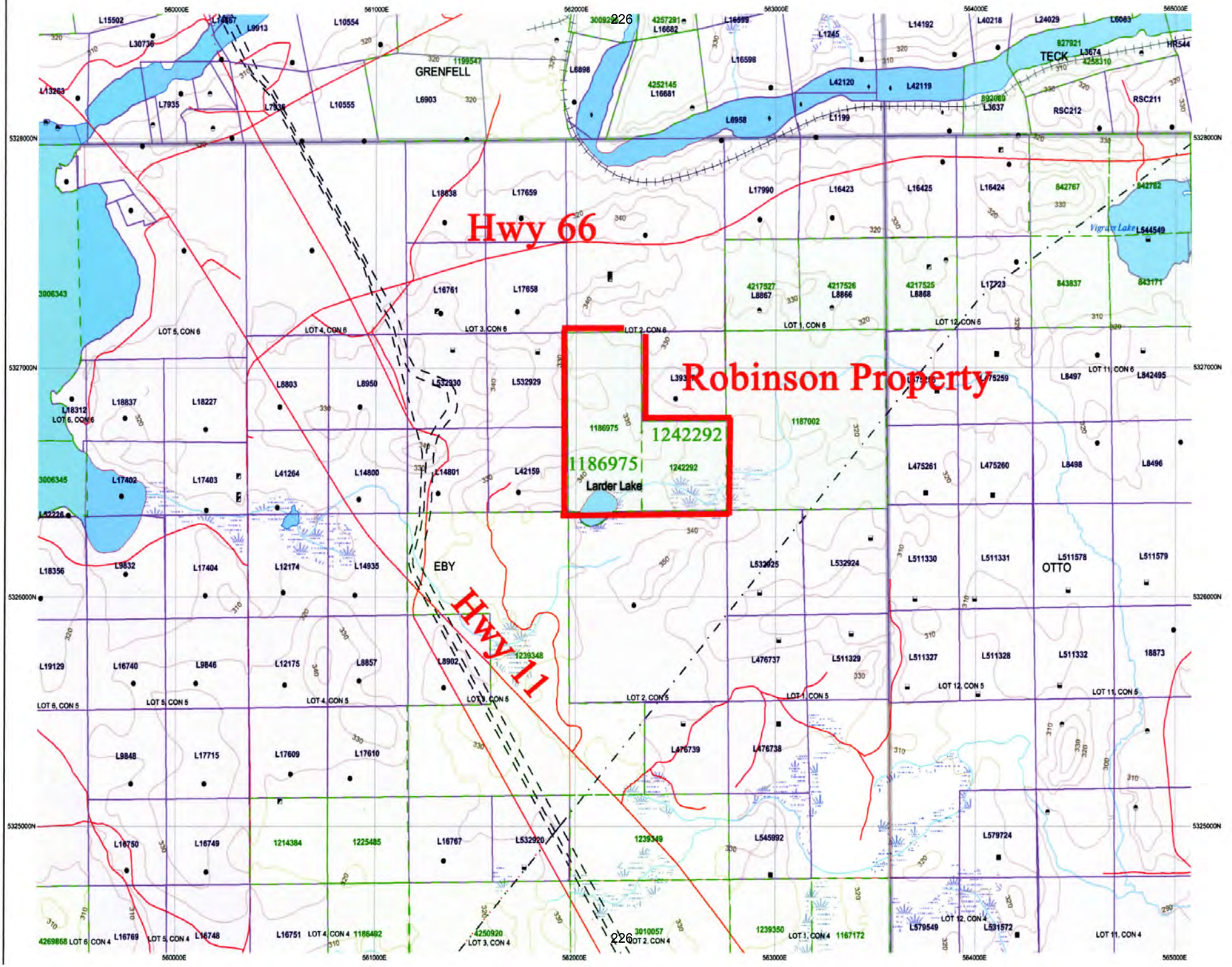
Métis Nation of Ontario

Attention: **Gary Lipinski** President, 500 St Patrick Street, Ottawa, Ontario, K1N 9G4
Phone: 613 798-1488
Email: garyl@metisnation.org Consultations@metisnation.org **(Steven Sarrazin)**
Web site: http://www.metisnation.org/
Elections: May 7, 2012

Douglas Robinson
Box 218 Swasstika, Ontario, P0K 1T0
Phone 705 642-9153
Email: robinson@nt.net

Attached
Regional Map of Kirkland Lake Area
Claim Map of Robinson Claims


Kirkland Lake
Property
Hearst
Kapuskasing
Smooth Rock Falls
Cochrane
Iroquois Falls
Timmins
Kirkland Lake
Larder Lake
Englehart
Chapleau
Sudbury
Elliot Lake
Espanola
Manitoulin Island
Little Current
Sheguiandah
Gore Bay
Meldrum Bay
Silver Water
Evansville
Manitoulin
Whitefish Falls
Birch Island
Spanish
Massey
Blind River
Algoma Mills
Serpent River
Thessalon
Iron Bridge
Sowerby
Bruce Mines
Hilton Beach
Rydal Bank
Bruce Sta.
Garden River
Echo Bay
Searchmont
Ranger Lake
Wawa
Missanabie
Fire River
Peterbell
Foleyet
Dalton
Nemegosis
Kormak
Sultan
Ramsey
Biscotasing
Westree
Shining Tree
Matachewan
Kenogami Lake
Virginiatown
Montbeillard
Boston Creek
Earlton
Timiskaming
Kanabeek
Thornloe
Dymond
New Liskeard
Haileybury
North Cobalt
Latchford
Ville-Marie
Témiscamingue
Rouyn-Noranda
Evain
Amtigo
Val-d'Or
Malartic
Cadillac
Timmins
Porcupine
South Porcupine
Schumacher
Gold Centre
Matheson
Monteith
Val Gagné
Iroquois Falls
Nellie Lake
Porquis Junction
Tunis
Hoyle
Connaught
Barbers Bay
Shillington
Holtyre
Ramore
Driftwood
Hunta
Clute
Departure Lake
Moonbeam
Fauquier
Grégoire Mill
Val Rita
Harty
Opasatika
Lowther
Mattice
Val Côté
Hallebourg
Lac-Ste-Thérèse
Jogues
Fraserdale
Abitibi Canyon
Little Abitibi Provincial Park
Parc provincial Fushimi Lake Provincial Park
Parc provincial Rivière Brunelle Provincial Park
Parc provincial Missinaibi River Provincial Park
Parc provincial Chapleau-Nemegosenda River Provincial Park
Parc provincial Ivanhoe Lake Prov. Park
Parc provincial The Shoals Provincial Park
Parc provincial Five Mile Lake Provincial Park
Parc provincial Wakami Lakes Prov. Park
Parc provincial Mississagi River Provincial Park
Parc provincial Aubrey Falls Provincial Park
Parc provincial Delta Provincial Nature Reserve
Parc provincial La Cloche Provincial Park
Parc provincial Young Lake Nat'l. Wld. Res.
Parc provincial Dana-Jowsey Lakes Provincial Park
Parc provincial Greenwater Provincial Park
Parc provincial La Motte Provincial Park
Parc provincial Esker Lakes Prov. Park
Parc provincial Obabika River Provincial Park
Parc provincial Marten River Prov. Park
Parc provincial French River Prov. Park
Parc prov. Grundy Lake Prov. Park
Parc provincial Algonquin
Réserve de chasse de la Couronne
Réserve naturelle provinciale North Driftwood River Provincial Nature Reserve
Réserve naturelle provinciale Little Abitibi Lake
Réserve naturelle provinciale Manitoulin
Réserve naturelle provinciale Minisky Bay Provincial Nature Reserve
Crown Game Preserve
Chapleau Crown Game Preserve
Réserve de chasse de la Couronne Nipissing Crown Game Preserve
Rés. nat. prov. Shallow River Prov. Nat. Res.
Rés. nat. prov. Thackeray Bay Prov. Nat. Res.
R.N.P. Frederick House Lake P.N.R.
P.P. Kettle Lakes P.P.
P.P. Halfway Lake P.P.
P.P. Windy Lake P.P.
P.P. Finlayson Point P.P.
P.P. Manitou Lake P.P.
P.P. South Bay P.P.
P.P. Restoule P.P.
R.C.C. Himsworth C.I.P.
Pt. St. Joseph R.H.S.
L.H.N. du Ft St. Joseph
Underground Gold Mine Tours/ Visites de la mine d'or
Night Hawk Lake
Museum of Northern History
Lake Temiskaming
Lake Nipissing
North Channel
Georgian Bay
Lake Huron
Parry Sound
Algonquin
Provincial Park
Trout Creek
Powassan
South River
Sundridge
North Bay
Callander
Mattawa
Sturgeon Falls
Verner
Crystal Falls
Field
Cache Bay
Garden Village
Ruthergien
Corbeil
Bonfield
Nosbonsing
Astorville
Commanda
Golden Valley
Amsden
Port Loring
Loring
Lost Channel
Restoule
Nipissing
Ouellette
French River
Alban
Bigwood
Noelville
North Monetville
Monetville
West Arm
Estaire
St.Charles
Lavigne
Wanup
Garson
Coniston
Falconbridge
Skead
Blezard Valley
Val Caron
Val Therese
Capreol
Hanmer
Lively
Onaping
Levack
Cartier
Worthington
Whitefish
Walford
Webbwood
McKerrow
Algom Centre
Massey
Spragge
Cutler
Aylmer
Dowling
Chelmsford
Azilda
Markstay
Warren
Hagar
Wahnapitae
Ophir
Dunns Valley
Poplar Dale
Lesburn
Rock Lake
Whamcliffe
Chiblow Lake
Martinenda Lake
Elliot Lake
Mississagi Provincial Park
Mississagi River
Rocky Island Lake
Bark Lake
Ranger Lake
Searchmont
Garden River
Echo Bay
Echo Lake
Wakomata Lake
Rawhide Lake
Kirkpatrick Lake
Wart Lake
Meigian Lake
Wenebegon Lake
Wakami Lake
Racine Lake
Nemegosenda Lake
Horwood Lake
Missinaibi Lake
Little Missinaibi Lake
Brunswick Lake
Opasatika Lake
Kapuskasing Lake
Kapiskong Lake
Opeepeesway Lake
Opikinimika Lake
Onaping Lake
Burwash Sturgeon River Provincial Park
Lake Temagami
Cross Lake
Wicksteed Lake
Lake Timiskaming
Lake Nipissing
Lake Abitibi
Lake Kipawa
Lake Ostaboningue
Lake Beauchêne
Lake Roger
Lake Simard
Lake Kipawa
Lake Temiscaming
Lake Timagami
Lake Panache
Lake Trout
Lake Penage
Lake Wanapitei
Lake Whitefish
Lake Ramsey
Lake Wasapika
Lake Kawagama
Lake Manitouwabing
Lake Mindemoya
Lake Kagawong
Lake Evans
Lake Wikwemikong
Lake Huron
Georgian Bay
Manitoulin Island
Great La Cloche I.
Clapperton I.
Cockburn I.
Drummond Island
De Tour Village
Sucker Creek
Little Current
Sheshegwaning
Kagawong
Gore Bay
Meldrum Bay
Silver Water
Evansville
Manitoulin
West Bay
Wikwemikong
Byng Inlet
Britt
Killarney
Parry Sound
Sundridge
South River
Trout Creek
Powassan
Callander
North Bay


Hwy 66
Robinson Property
Hwy 11
1242292
1186975
Larder Lake
GRENFELL
EBY
OTTO
TECK
Vigrass Lake
LOT 5, CON 6
LOT 4, CON 6
LOT 3, CON 6
LOT 2, CON 6
LOT 1, CON 6
LOT 12, CON 6
LOT 11, CON 6
LOT 6, CON 5
LOT 5, CON 5
LOT 4, CON 5
LOT 3, CON 5
LOT 2, CON 5
LOT 1, CON 5
LOT 12, CON 5
LOT 11, CON 5
LOT 6, CON 4
LOT 5, CON 4
LOT 4, CON 4
LOT 3, CON 4
LOT 2, CON 4
LOT 1, CON 4
LOT 12, CON 4
LOT 11, CON 4
560000E
561000E
562000E
563000E
564000E
565000E
5328000N
5327000N
5326000N
5325000N

From Matachewan First Nation November 30, 2012 Response to October 26, 2012 Notice of Continuance

Doug Robinson

From: "Cathy Yandeau" <cathy.yandeau@xplornet.ca>
To: <robinson@nt.net>
Cc: <micheline.dube@xplornet.ca>; "'Dianne Tookenay'" <diannetookenay@wabun.on.ca>; <a.batisse@hotmail.ca>; "'Jason Batise'" <jbatise@wabun.on.ca>; <sbatise@wabun.on.ca>
Sent: Friday, December 07, 2012 10:42 AM
Attach: robinson-signed.jpg

Good morning Mr. Roberson
Please see attachment for response letter
Happy holidays

Regards

Cathy Yandeau
Matachewan First Nation
Lands & Resources Coordinator

Tel: (705)565-2230 Ext: 234
Fax:(705)565-2585
Cell:(705)642-5829
E-mail: cathy.yandeau@xplornet.ca



Matache
P.O. Box 160 Ma
Bus. (705) 565-

November 30, 2012

Douglas Robinson
P.O. Box 218
Swastika, Ontario
P0K 1T0

Dear Mr. Robinson,

Thank you for your communication of Octo
you are doing pre-exploration work.

Firstly, we want to let you know that the ar
and related pre-liminary exploration work r

Matachewan First Nation
P.O. Box 160 Matachewan, ON P0K 1M0
Bus. (705) 565-2230 Fax (705) 565-2585

November 30, 2012

Douglas Robinson
P.O. Box 218
Swastika, Ontario
P0K 1T0

Dear Mr. Robinson,

Thank you for your communication of October 26, 2012. We are familiar with the area where you are doing pre-exploration work.

Firstly, we want to let you know that the area where you are currently performing line cutting and related pre-liminary exploration work does occur within Matachewan First Nation's Traditional Territory. Matachewan First Nation has well over 600 members who are at various times are on the land exercising their Aboriginal and Treaty Rights. Their land activities vary whether that would be wild game hunting, trapping or any other land harvesting and/or cultural pursuits. Furthermore, if they are not presently on the land, the First Nation holds those rights on behalf of their First Nation members.

We believe that communication is essential to good relations as you stated. We believe it is your intention to work with the neighbours in the area where you are performing first level prospecting activities.

We believe we would have no objection to the continuance of your prospecting activities however Matachewan First Nation has to be assured there would be no immediate negative impact upon its Aboriginal and Treaty Rights to the land. We believe a mutual joint acknowledgement of the level of impact currently associated with your prospecting would alleviate our concerns. Therefore, we would be pleased to host a visit at our First Nation's Band Office to put this understanding into effect.

Yours truly,
Cathy Yandeau
Cathy Yandeau
Land and Resources Coordinator
Matachewan First Nation
c.c. Chief Alex Batisse

Letter to Matachewan First Nation 2012-12-07

Doug Robinson

From: "Doug Robinson" <robinson@ntl.sympatico.ca>
To: "Cathy Yandeau" <cathy.yandeau@xplornet.ca>; <robinson@nt.net>
Cc: <micheline.dube@xplornet.ca>; '"Dianne Tookenay"' <diannetookenay@wabun.on.ca>; <a.batisse@hotmail.ca>; '"Jason Batise"' <jbatise@wabun.on.ca>; <sbatise@wabun.on.ca>
Sent: Friday, December 07, 2012 5:49 PM
Subject: Re: Eny Mat First Nations 2012-12-07

Good Day Cathy Yandeau

We will continue to keep you updated on our continuing long term exploration activities in Eby Tp.

Doug Robinson

----- Original Message -----

From: Cathy Yandeau
To: robinson@nt.net
Cc: micheline.dube@xplornet.ca ; 'Dianne Tookenay' ; a.batisse@hotmail.ca ; 'Jason Batise' ; sbatise@wabun.on.ca
Sent: Friday, December 07, 2012 10:42 AM

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Please see attachment for response letter
Happy holidays

Regards

Cathy Yandeau
Matachewan First Nation
Lands & Resources Coordinator

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Fax:(705)565-2585
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E-mail: cathy.yandeau@xplornet.ca