DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Pyke Option -Whitesides Twp
Date: April 30 to May 2, 2000
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH: EWP97-4 ext.

Claim Number: P 1193769

COLLAR LOCATION: L500E/260S

SURVEYS: Acid Test

	Depth	Azimuth	Dip
Setup:	0.0m	180°	-45°
	297.0m		-37°

	UTM COORDINATES	GRID COORDINATES
Northing:		260S
Easting:		500E
Elevation:	0.0 meters	
TD:	315.0 meters	

2.21030

DRILLING DATES
Started: April 30, 2000
Finished: May 2, 2000

010

DIAMOND DRILL SUMMARY LOG

Project: Pyke Option -Whitesides Twp
Date: April 30, 2000
Logged By: R. F. Calhoun

DDH: EWP97-4 ext.

GEOLOGIC SUMMARY

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Zn ppm	Pb ppm	Ag g/t	Au ppb
0	225.0	Previous Drilling								
225.0	249.0	Mafic Volcanic								
249.0	315.0	Mafic Volcanic								
	315.0	End of Hole								

COMMENTS

Diamond Drill Log

Property: Whitesides Township
Hole Number: EWP97-4 ext.
Claim Number: P 1193769
Location: L500E/260S
Final Depth: 315.0 meters
Logged By: Robert Calhoun
Azimuth: 180°
Dates Drilled: April 30 - May 2, 2000
Drilled By: Colbert Drilling
Dip: -45°
Dates Logged: May 1-2, 2000
Signature:

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
0	225.0	Previous Drilling									
225.0	249.0	Mafic Volcanics -fine grained, pale to medium grey green to green, foliated to layered, thinly to thickly. The unit has very fine layers with pale green colour with thicker layered sections medium green grey. Banding/foliation is at 42° to 48° to core axis. The unit locally has spider web alteration veinlets of carbonate/chlorite. There are small patches to discontinuous veinlets of calcite carbonate and very minor quartz veins light grey <0.5cm sub parallel to foliation axis. There are very minor sulfides of pyrite, pyrrhotite disseminations and chalcopyrite was noted in two places. Lower contact 38° to core axis. 243.7-249.0-slight increase in pale green alteration, multiple small veins of quartz, increase carbonate veinlets and pyrite is more abundant. As noted above, one of the chalcopyrite occurrences is at 246.9m. There is one section of feldspar reddish with quartz at 244.10-244.3m.	40793	243.7	245.2	1.5	142	134	7	0.3	9
			40794	245.2	246.2	1.0	82	85	1	0.2	2
			40795	246.2	247.2	1.0	107	63	1	0.3	2
			40796	247.2	248.2	1.0	104	52	1	0.3	nil
			40797	248.2	249.0	0.8	104	95	21	0.1	nil
249.0	315.0	Mafic Volcanic -fine grained, medium to dark green to green grey, massive to weakly foliated. Carbonate in this section occurs as discontinuous veinlets, stretches amygdules and grains. Sulfides are nil to trace as disseminated pyrite. There are sections up to 1m in length which are laminated,									

Diamond Drill Log

Hole # EWP97-4 ext.

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		paler green in colour. There are small quartz "blow-outs" to veinlets with associated increase in chlorite. Unit is fractured, locally crushed. Foliations are at 50° to core axis, minor crenulations. 290.4-292.0-Quartz/Felspar veining, 70% of section, white quartz, pink feldspar no sulfides. The main unit is weakly siliceous locally 297.2-297.5-foliated pale green section with feldspar grains <1mm minor sulfides. Forming a lower contact at 38° to core axis. -Mafic-Tuff-possible weakly sericitic. 297.5-299.2-Sediment-fine grained, medium grey purple, possible biotite thinly laminated to bedded. Minor quartz, minor bleached alteration. Lower contact 46° to core axis. 299.2-299.7-foliated mafic as above 299.7-300.2-sediment as above 300.2-300.6- foliated mafic minor quartz, glassy medium grey to white. 300.6-301.3-sediment as above 310.9-311.0-quartz veining with 3-4% chalcopyrite, pyrrhotite, minor pyrite. Quartz is glassy grey to white. The unit from 309.0-315.0m is fine to medium grained with cherty black layers 3-7cm in length, cherty hard. Minor sulfides in main unit including minor to trace chalcopyrite. Unit is chlorite and siliceous.	40798	310.7	311.2	0.5	302	56	5	0.6	3
	315.0	End of Hole Acid Tests 297m -37°									

DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Pyke Option - Whitesides Twp
Date: April 19 to 29, 2000
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH: EWP00-5

Claim Number: P1193771

COLLAR LOCATION: L825E/660N

SURVEYS: Acid Test

	Depth	Azimuth	Dip
Setup:	0.0	180°	-45°
	93.0m		-39°
	195.0m		-33°

	TIMMINS COORDINATES	GRID COORDINATES
Northing:		660N
Easting		825E
Elevation: 0.0 meters		
TD: 240.0 meters		

DRILLING DATES
Started: April 19, 2000
Finished: April 29, 2000

2.21030

42A05NW2009 2.21030 WHITESIDES 020

DIAMOND DRILL SUMMARY LOG (cont'd)

Project: Pyke Option - Whitesides Twp
Date: April 19, 2000
Logged By: R. F. Calhoun

DDH: EWP00-5

GEOLOGIC SUMMARY (cont'd)

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Zn ppm	Pb ppm	Ag g/t	Au ppb
197.8	217.6	Chert/Sulfide/Magnetic Iron Formation /Mafic Tuff								
217.6	227.2	Gabbro/Diorite								
227.2	237.3	Mafic Volcanic								
237.3	240.1	Mafic Dyke								
	240.1	End of Hole								

COMMENTS

Diamond Drill Log

Property: Pyke Option - Whitesides Twp
Hole Number: EWP00-5
Claim Number: P1193771
Location: L825E/660N
Final Depth: 240.0 meters
Logged By: Robert Calhoun
Azimuth: 180°
Dates Drilled: April 19-29, 2000
Drilled By: Colbert Drilling
Dip: -45°
Dates Logged: April 20-30, 2000
Signature:

			Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
0	1.4	Overburden -casing									
1.4	35.4	Gabbro/Diorite -medium to coarse grained, medium green to grey green, white feldspar and dark green mafic minerals. Locally the unit is coarse grained, dominantly white feldspars. There are small 20cm sections which are fine grained, pale green to grey at 48° to core axis as at 8.9-9.1m. There are glomeroporphyritic white feldspars randomly distributed to 1cm in size. Quartz veining is minor component. Limonite staining and iron fractures extends to ~5m. 18.4-unit becomes finer grained below this level, with sections of glomeroporphyritic feldspars, to coarse veins of dominantly feldspars. At 21m, there are a few grey coloured quartz veinlets, with minor chlorite around them. Quartz veining is generally veinlets <1cm in width except for one vein at 27.7-28.1m which is a white vein with 10% pyrrhotite as large blebs and clots to 1cm and <5% pyrite. Lower contact 20° to core axis.	40732	27.7	28.0	0.3	68	27	1	0.3	7
35.4	50.7	Sulfide Zone/Quartz/Chert -this zone is comprised of massive pyrrhotite & local pyrite in bands from a few centimeters to 1.5 plus meters. Within the pyrrhotite there is chalcopyrite as irregular veinlets, minor clots and disseminations. Sphalerite is minor as red brown grains. The silica portion of the unit is quartz, probable chert									

Diamond Drill Log

Hole # EWP00-5

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
67.7	72.2	Intermediate to Mafic Volcanic -fine grained, light green grey to medium green grey, unit appears layered with pale green possible sericite defining the layers. Pale sections are soft, remainder is medium hard. Sulfide content is variable including layered sulfides at 69.8-70.0m. 67.7-70.7-15% sulfides 70.7-72.2-60% sulfides-minor chalcopyrite.	40752	67.7	68.8	1.1	14	146	1	0.1	nil
			40753	68.8	69.8	1.0	25	109	1	0.2	5
			40754	69.8	70.7	0.9	54	116	1	0.2	nil
			40755	70.7	72.2	1.5	803	95	1	0.7	nil
72.2	76.5	Intermediate Volcanic -fine grained, light green grey, foliated to "layered" with pale green probable sericite defining layering at 10° to core axis. Unit is weakly mineralized with occasional pyrrhotite stringers.									
76.5	82.1	Quartz/Sulfide/Mafic Volcanic -this section is a quartz flooded zone with sections of chloritized volcanics, chlorite veinlets and sulfides mainly pyrrhotite. Chalcopyrite is as exsolutions in pyrrhotite and fine stringer laminae. Pyrrhotite is as massive irregular veinlets as replacement in quartz fractures. Pyrite is minor as local exsolutions in pyrrhotite. Local tourmaline in quartz, brownish.	40756	76.5	77.5	1.0	94	119	1	0.2	nil
			40757	77.5	79.0	1.5	338	78	1	0.3	9
			40758	79.0	80.0	1.0	276	103	1	0.6	7
			40759	80.0	81.0	1.0	23	59	1	0.1	nil
			40760	81.0	82.1	1.1	94	88	1	0.1	nil
82.1	84.6	Semi Massive to Massive Pyrrhotite -this section is massive bands of pyrrhotite, locally with quartz veining, minor inclusions of mafic volcanics. Pyrrhotite is 80% with continuous massive sections to 0.5m. Chalcopyrite noted locally as exsolutions and laminae. Local blue tinge to silicate.	40761	82.1	83.3	1.2	1080	33	1	0.7	nil
			40762	83.3	84.6	1.3	690	56	1	0.9	17
84.6	86.9	Mafic Volcanic/Sulfides/Quartz -similar to section above but here the fine grained dark green mafic is more abundant than the quartz. Pyrrhotite as massive bands, irregular veinlets 20% of section.	40763	84.6	85.6	1.0	114	108	1	0.4	10
			40764	85.6	86.9	1.3	363	72	1	0.6	14
86.9	102.9	Mafic Volcanic -fine to medium grained, medium to dark green, speckled, whitish possible leucoxene. The unit is generally massive with irregular veining lighter coloured containing pyrrhotite, pyrite and minor chalcopyrite. These veins occur randomly and are up to 2-3cm wide.	40765	86.9	88.0	1.0	32	132	1	0.1	7
			40766	88.0	89.4	1.4	24	81	1	0.1	10
			40767	91.0	92.5	1.5	193	55	1	0.2	2
			40768	92.5	94.2	1.7	93	75	1	0.1	2
			40769	97.9	99.4	1.5	97	70	1	0.2	2
			40770	99.4	100.9	1.5	75	87	1	0.2	nil

Diamond Drill Log

Hole # EWP00-5

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		Sulfide content in the veins is variable up to 20%. The unit is magnetic, weak to strong but this appears to be due to pyrrhotite content. Chalcopyrite is generally small grains. Where the sulfide veining is more abundant, the unit is much darker coloured to blackish, chlorite content increases. Possible garnet at 100.7m.	40771	100.9	101.9	1.0	128	54	1	0.1	5
			40772	101.9	102.9	1.0	67	58	1	0.3	12
102.9	116.6	Mafic Volcanic -fine to medium grained, medium green to paler green, increased speckling. This section is lighter coloured but can have sections similar to the above unit where there are sulfide veins as at 105.2-106.6m. 102.9-104.8 107.8-116.6-these sections contain blue silica accumulations into clots, blobs and rarely into small veinlets. Locally these appear to occur with swirling alteration veinlets similar to the above unit. Upper contact is at 53° to core axis, lower not distinct, maybe gradational.									
116.6	123.5	Mafic Volcanic -as 86.9-102.9m, some possible magnetite in small veins as at 118.5m.									
123.5	139.2	Gabbro? -medium grained to coarse grained, becoming finer downhole to contact, medium to dark green, comprised of white feldspar, locally in laths, dark mafic minerals including locally abundant chlorite. Maybe weakly "layered" with some fine sections <5cm randomly distributed. Below 135.0m the unit is much finer, taking on a volcanic appearance.									
139.2	149.3	Mafic Volcanic? -fine grained, dark green becoming grey green towards lower contact, medium hard to hard. The unit is massive but contains stock work veins of siliceous alteration hosting sulfides of pyrrhotite, minor pyrite and very minor chalcopyrite. The unit is magnetic possibly due to magnetite in the matrix and the pyrrhotite. The contact with the upper unit is sharp, 85° to core axis. 139.2-145.1m -this section contains pyrrhotite/pyrite/chalcopyrite as disseminations	40773	139.2	140.7	1.5	72	78	1	0.1	nil
			40774	140.7	142.2	1.5	114	91	1	0.1	5

Diamond Drill Log

Hole # EWP00-5

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		randomly oriented veins to 2cm wide, paler green and weakly siliceous. The total sulfide in this section is 10% while some of the veins contain sulfides to 25%. 145.1-149.3m -mixed zone with some intermixing of unit following. The section is grey to green, has minor quartz veining and some pale green probable chlorite/carbonate veinlets. There are nil to trace sulfides in this section.	40775	142.2	143.6	1.4	142	99	1	0.1	2
			40776	143.6	145.1	1.5	85	101	1	0.1	nil
149.3	163.0	Gabbro -medium to coarse grained, green grey with multiple veins with alteration surrounding them, pale green yellow. This section contains abundant blue quartz to purplish as grains and accumulations, this can be up to 30% of the unit. There are minor disseminated sulfides in this section. The lower contact area has abundant alteration veinlets, is finer grained and lighter in colour below 161.2m.									
163.0	172.0	Mafic Volcanic fine grained, medium to dark green, chloritic, weakly to moderately silicified, massive in appearance. There are feldspar vein fillings, white with pale green alteration associated with them, unit non-magnetic. There are a couple of sections with pyroxenes as blades as at 168.3m. Sulfide is nil to trace.									
172.0	178.0	Mixed Zone -1-2m alternating sections of gabbro described in the above mafic unit.									
178.0	185.0	Gabbro -as above with blue silica, weak to moderate saussuritization of the feldspars to pale green.									
185.0	197.8	Mafic Volcanic -fine grained, medium to dark green to locally grey green, inter-layered with bands of diorite/gabbro up to 2m in width. The intrusive is medium green with abundant blue silica forming up to 30% of the unit. Small sections of granodiorite composition occur between 194.5-195.5m. These sections are up to 30cm generally <5cm and are whitish in colour. The feldspars are saussauritized to pale green in some	40777	190.4	191.5	1.1	138	46	1	0.1	nil
			40778	191.5	193.2	1.7	20	58	1	0.1	3

Diamond Drill Log

Hole # EWP00-5

From	To	Description	Sample #	From	To	Length (meter)	Assays Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		sections. The mafic is locally pale green in alteration surrounding fractures and can carry up to 20% sulfides as pyrrhotite. -gabbro/diorite sections -191.5-193.2m, 195.7-197.3m. -190.4-191.5m -pyrrhotite/pyrite-20%									
197.8	217.6	Chert/Sulfide/Magnetic Iron formation/Mafic Tuff -fine grained, dark green mafic matrix hosting sulfides to 35% as pyrrhotite, pyrite, minor chalcopyrite and magnetite. The sulfides occur as massive veinlets, clusters, clots, net veinlets and disseminations. Chalcopyrite is as grains and local semi-continuous veinlets to laminae. The chalcopyrite is <0.5% to trace but can be 1-2% over 10cm, as at 199.9-200.0m. The chert is whitish to blue grey, patchy to semi-continuous. Magnetite occurs as clusters of grains <1cm in length but randomly distributed.	40779	197.8	199.5	1.7	334	19	1	0.2	22
			40780	199.5	200.5	1.0	207	64	1	0.6	38
			40781	200.5	201.5	1.0	90	37	1	0.1	26
			40782	201.5	202.6	1.1	80	34	1	0.1	5
			40783	202.6	204.0	1.4	87	76	1	0.2	7
			40784	204.0	205.5	1.5	75	131	1	0.2	48
			40785	205.5	207.0	1.5	187	103	1	0.3	7
			40786	207.0	208.2	1.2	320	100	1	0.4	19
			40787	208.2	209.7	1.5	43	84	1	0.1	nil
			40788	209.7	210.7	1.0	75	65	1	0.1	5
		One section of gabbro occurs in the iron formation 198.6-199.0m and has 1-2% chalcopyrite at the lower contact.	40789	210.7	212.0	1.3	80	48	1	0.1	nil
			40790	212.0	213.0	1.0	42	64	1	0.1	2
		Sulfides are essentially nil after 213.0 meters except for small sections of 1-5%. The unit however is still magnetic.									
217.6	227.2	Gabbro/Diorite -medium grained, dark green to green grey with blue silica forming 30% of the rock locally, there are minor quartz veined sections. There is local pyrite as 1-5mm clusters and as disseminations <1%. Upper contact 54° to core axis.	40791	221.0	222.0	1.0	12	73	1	0.1	nil
			40792	222.0	223.3	1.0	39	62	1	0.1	7
227.2	237.3	Mafic Volcanic -fine grained, medium green to green grey, hard, siliceous mixed zone of finer mafic and above unit. Multiple fractures with pale green alteration. Small felsic dyke at 232.5-232.7m.									
237.3	240.0	Mafic Dyke -fine grained, dark grey green, magnetic, broken to crushed. Upper contact 46° to core axis.									
	240.0	End of Hole									

D amond Drill Log

Hole # EWP00-5

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		Acid Tests 93m -39° 195m -33°									

DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Pyke Option - Whitesides Twp
Date: May 2 to 12, 2000
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH: EWP00-6

Claim Number: P 1193769

COLLAR LOCATION: L500E/251S

SURVEYS: Acid Test

	Depth	Azimuth	Dip
Setup:	0.0	215°	-50°
	105.0m		-43°
	200.0m		-41°
	282.0m		-34°

	TIMMINS COORDINATES	GRID COORDINATES
Northing:		251S
Easting		500E
Elevation: 0.0 meters		
TD: 306.0 meters		

DRILLING DATES
Started: May 2, 2000
Finished: May 12, 2000

2.21030

DIAMOND DRILL SUMMARY LOG

Project: Pyke Option - Whitesides Twp
Date: May 2, 2000
Logged By: R. F. Calhoun

DDH: EWP00-6

GEOLOGIC SUMMARY

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Zn ppm	Pb ppm	Ag g/t	Au ppb
0.0	8.1	Overburden								
8.1	18.0	Mafic Volcanic Tuff								
18.0	24.1	Intermediate Volcanic Tuff								
24.1	145.8	Intermediate to Mafic Tuff								
145.8	165.0	Mafic Volcanic								
165.0	179.2	Intermediate Tuff?								
179.2	194.8	Intermediate Tuff?								
194.8	197.2	Mafic Volcanic								
197.2	223.7	Quartz Zone								
223.7	231.7	Mafic Volcanic								
231.7	250.0	Mafic Volcanic-shear zone								
250.0	256.7	Ankeritized Mafic Volcanic								
256.7	263.2	Mafic Volcanic								
263.2	278.4	Mafic Volcanic								
278.4	285.45	Mafic Volcanic								
285.45	306.0	Mafic Volcanic								
	306.0	End of Hole								

COMMENTS

Diamond Drill Log

Property: Pyke Option - Whitesides Twp
Hole Number: EWP00-6
Claim Number: P 1193769

Location: L500E/251S
Final Depth: 306.0 meters
Logged By: Robert Calhoun

Azimuth: 215°
Dates Drilled: May 2-12, 2000
Drilled By: Colbert Drilling

Dip: -50°
Dates Logged: May 3-13, 2000
Signature:

			Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	As ppm	Ag g/ton	Au ppb
0.0	8.1	Overburden									
8.1	18.0	Mafic Volcanic-tuff -fine to medium grained, medium to dark grey-grey green, massive to thickly bedded. The unit is weakly to moderately siliceous.									
18.0	24.1	Intermediate Volcanic Tuff -fine to medium grained, pale grey green to green. The unit begins with a fault zone to 18.6m, crushed and broken core. The unit is sericitic, crenulated, medium hard. The sericite is yellow green, 25% of unit. Carbonate veining is calcite as small discontinuous veinlets and blobs. There are small quartz veins <3cm wide, locally associated with the calcite. Banding/foliation is 20° to core axis. Sulfides are nil to trace.									
24.1	145.8	Intermediate to Mafic Tuf -fine to medium grained, medium to dark grey to grey green. The unit is feldspar porphyritic with generally white feldspars, sub-angular to angular <1mm to 2mm. The feldspars appear to occur in rough layers or bands with dark green amphibole as 2mm grains. There is a weak to moderate foliation at 20° to core axis. Small fine light grey layers <5cm in length occur randomly through the unit usually associated with bleaching. Locally the									

			Assays									
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	As ppm	Ag g/ton	Au ppb
		feldspars are pinkish. There are small bands of felsic dykes <5cm wide. The unit has weak chlorite parallel to foliation. There are glomeroporphyritic layers, dark grey to dark grey green with white feldspar in clusters. These layers are randomly distributed below 51m. There are infrequent 5-10cm felsic intrusive bands, white with pink feldspars. Foliations become shallower below 60m to 15° to core axis, locally sub-parallel. Below 72m, there are sections of bleaching to pale green to whitish green averaging 1 m in length. There is also a slight increase in the frequency of small quartz veinlets <5cm wide. The units are becoming increasingly siliceous down hole. Hematite? is more abundant on fracture. Where the feldspars are pinkish in colouration the unit appears more like a feldspar porphyry but the feldspar rich zones are still in layers. 111-122.4 -increased number of purplish cherty layers which have net fracturing and pale green alteration associated with the fractures. There are semi-continuous bleached sections as at 117m which occupy ½ the width of the core. The tuff layers between the cherty bands are coarser with hornblende and quartz grains to 4mm. 122.4-129.2 -unit is dark green grey, moderately siliceous with probable phenocrysts of white feldspars and quartz eyes to 3mm. Although the unit looks like a porphyry, it is probably a coarser crystal tuff. There are no cherty layers in this section. There is minor bleaching. 129.2-145.8 -crystal tuff -layering/bedding in this section is more pronounced. there are abundant cherty layers as above, bleaching alteration helps to define beds. The beds/layers are at 20° to core axis. The abundance of alternating layers chert/tuff increases towards the lower contact to thinly to moderately layered. There are small feldspar crystals, white, layers<1cm wide. Lower contact 19° to core axis									
145.8	165.0	Mafic Volcanic -fine to medium grained, medium to dark grey green, massive to feldspar glomerophyric. Locally there is a weak foliation to layering where the unit becomes									

Diamond Drill Log

Hole # EWP00-6

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	As ppm	Ag g/ton	Au ppb
		blackish with elongated white feldspars as at 50.3-50.5m.									
165.0	179.2	Intermediate Tuff? -fine to medium grained, pale to medium green grey, thickly layered, becoming more thinly bedded down section accentuated by bleaching alteration of some layers. The unit is a crystal tuff with crystals of feldspar, quartz and dark mafic minerals. There are local quartz veins to 40cm at 167.8-168m. 169.2-169.8m (multiple veins, one vein 40cm). There is nil to trace pyrite in the section. There is weak hematitization 172.0-173.5m. Lower contact is at 23° to core axis and is also bleached.									
179.2	194.8	Intermediate Tuff? -medium to fine grained medium grey to blackish. This unit is similar to the above unit but the colour is much darker. unit is more massive in appearance and maybe an intermediate felsic intrusive porphyry, although there is a welded tuff appearance to the unit and some crude layering. Alteration here is quite restricted to sections <2m in length, weak to moderate. 190.6-191.4 -lamprophyre dyke - dark grey brown biotite lamprophyre, carbonated contacts at 30° to core axis.									
194.8	197.2	Mafic Volcanic -medium to fine grained medium green to paler green grey below 195.7m, may actually be a second unit. There are two leucocratic dykes of feldspar and quartz, wh ish in this section 5cm each. Lower contact at 47° to core axis. This is much steeper than in the units above.	40822	195.7	197.2	1.5			<5	0.1	27
197.2	223.7	Quartz Zone highly altered schistose mafic volcanic. The mafics are highly chloritized to fuchsitic. There are minor sulfides of pyrite and a few clusters to grains of chalcopyrite. The shearing/schistosity is at 42-44° to core axis. 197.2-197.7-dark green contact zone to grey possible albite layering, 15% quartz, grey to white									

Diamond Drill Log

Hole # EWP00-6

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	As ppm	Ag g/ton	Au ppb
		minor pyrite, chalcopyrite noted.									
		197.5-198.15 -25% white quartz ankerite in highly sheared mafic volcanics, chlorite to fuchsite, 197.8-198.15m. Sulfides are pyrite, minor chalcopyrite, total sulfides <0.5%.	40823 40824	197.2 197.7	197.7 198.15	0.5 0.65			<5 <5	0.1 0.1	10 22
		198.15-199.15 -80% quartz, white with minor quartz carbonate veins. There appears to be multiple veins with <2cm layers of schistose, fuchsitlic mafics separating the lenses.	40825	198.15	199.15	1.0			<5	0.1	14
		199.15-200.2 -80% quartz, schistose mafics being sample to 199.35m, mainly quartz following with small <1cm generally schistose mafics. There is minor ankerite in the quartz in this section.	40826	199.15	200.20	1.05			<5	0.1	24
		200.2-201.0 -schistose mafic volcanics, minor sulfides, minor quartz vein.	40827	200.20	201.0	0.8			<5	0.1	21
		201.1-203.3 -20% white quartz in schistose mafic volcanics.	40828 40829	201.0 202.3	202.3 203.3	1.3 1.0			<5 <5	0.1 0.1	22 2
		203.3-204.7 -30% white quartz in schistose mafics, pyrite as cubes, increased ankerite in quartz veins. Pyrite as cubes and clusters.	40830	230.3	204.7	1.4			<5	0.2	62
		204.7-207.6 -80% quartz/quartz ankerite veins. Schistose mafic volcanics, fuchsite occurs here again in "veins" in the quartz and with small mafic patches in the quartz. Tourmaline occurs here as well. Pyrite and local chalcopyrite as at 205.2m.	40831 40832	204.7 206.2	206.2 207.6	1.5 1.4			<5 <5	0.2 0.1	31 15
		207.6-209.4 -70% quartz, quartz carbonate(ankerite?) veining with sheared volcanics at start of section 40cm and as small internal veins. The section is weakly fuchsitic.	40841 40842	207.6 208.4	208.4 209.4	0.8 1.0			31 11	0.3 0.2	34 14
		209.4-211.6 -sheared volcanics with 10-15% quartz, quartz/carbonate veins, weakly fuchsitic, minor pyrite, bleached. Foliations at 38° to core axis.	40843 40844	209.4 210.4	210.4 211.6	1.0 1.4			<5 <5	0.1 0.1	15 41
		is black tourmaline veinlets in this section. There is crenulated shearing in 214.0-214.5m. Pyrite as small cubes and disseminations.	40845 40846 40847	211.6 213.0 214.5	213.0 214.5 216.0	1.4 1.5 1.5			<5 <5 <5	0.1 0.1 0.1	2 21 10
		216.0-218.5-shearing decreasing, minor quartz carbonate, minor pyrite	40848 40849	216.0 217.2	217.2 218.5	1.2 1.3			<5 <5	0.1 0.1	33 117
		218.5-223.7-shearing less, unit is more massive carbonate has become calcite. Pyrite increases but still <1%. Quartz is as grey clear veins. Towards end of section there are small felsite to feldspar porphyritic veinlets <5cm in length. Quartz vein is grey, to	40850 301	218.5 219.5	219.5 220.5	1.0 1.0			<5 12	0.1 0.1	31 51

Diamond Drill Log

Hole # EWP00-6

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	As ppm	Ag g/ton	Au ppb
		greenish. Lower contact at 38°									
223.7	231.7	Mafic Volcanic -fine to medium grained, medium green becoming ncreasingly darker downhole, increased chlorite below 227.3m possibly two units separated by a quartz vein and small porphyry veins at 227.2-227.3m. Unit is weakly laminated in upper section, more massive in the lower section. Veining to 227.3m is mainly small calcite veinlets. Below 227.3m the calcite veins are more abundant, there are small glassy grey quartz veins and one 15cm white quartz vein at 228.55-228.70m. Sulfides of pyrite trace to <1% occur mainly in the chloritic section. Towards end of section there is weak foliations and one white quartz/ankerite vein at 230.6-230.8m with probable sericite alteration associated with it.									
231.7	250.0	Mafic Volcanic-shear zone-Quartz/Carbonate Zone -fine grained to medium grained, dark green (unaltered) to pale green, mafic volcanic. The unit is foliated to sheared, has abundant quartz, quartz/ankerite veins, generally small, but up to 10cm. The ankerite occurs as veins only and is also in the matrix of the volcanic. Pyrite s as cubes and disseminations 1-2% but locally can b up to 10%. The alteration approaches fuchsite but is only pale green. There is a small lamprophyre dyke at 240.4-240.7m, dark brownish, contacts at 40° to core axis, sub-parallel to foliation.	302	231.7	233.0	1.3			<5	0.1	nil
			303	233.0	234.0	1.0			<5	0.1	10
		231.7-237.0-quartz veining 5-10%, ankerite veining 10%. Pyrite minor to <1%.	304	234.0	235.5	1.5			<5	0.1	283
			305	235.5	237.0	1.5			<5	0.1	22
		237.0-241.6-Quartz veining 10-15%, ankerite 10%, pyrite minor to 2%	306	237.0	238.2	1.2			<5	0.1	69
			307	238.2	239.8	1.6			<5	0.1	226
		241.6-245.3-Quartz veining <5%, calcite carbonate in this section more abundant.	308	239.8	240.7	0.9			<5	0.1	43
			309	240.7	241.6	0.9			<5	0.1	58
		245.3-247.3-Quartz veining <3%, pyrite 5-2% local 10% as cubes, fine disseminations.	310	241.6	242.6	1.0			<5	0.1	19
			311	242.6	244.1	1.5			<5	0.1	15
		247.3-249.0-Quartz veining 10%, ankerite <5% pyrite minor to 1%.	312	244.1	245.3	1.2			<5	0.1	12
			313	245.3	246.6	1.3			<5	0.1	99
		249.0-250.0-bleached contact zone, pyrite as fine laminae to disseminations, quartz veining <5%, ankerite 10%.	314	246.6	247.3	0.7			<5	0.1	26
			315	247.3	248.4	1.1			<5	0.1	48
			316	248.4	250.0	1.6			<5	0.1	237

Diamond Drill Log

Hole # EWP00-6

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	As ppm	Ag g/ton	Au ppb
250.0	256.7	Ankeritized Mafic Volcanic -medium to fine grained, dark green where less altered, generally cream to whitish to beige. The unit is laminated, accentuated by alteration. Quartz veins are small less <1cm usually associated with ankerite (possible ferrodolomite). Sulfides of pyrite are minor. 250.0-250.6-section begins with a salmon pink quartz and feldspar vein at 39° upper contact, 55° lower contact.									
256.7	263.2	Mafic Volcanic -fine grained, becoming medium grained down section. The upper part of the unit is massive dark green with calcite veining and small quartz veins <2cm wide. One vein at 261.1 has a cluster of chalcopyrite. Veins are at various angles from 10° to core axis to 60°. The unit is generally chloritic. Start of unit has leucoxene for 20cm. 261.7-263.2-unit takes on a foliation increasing down section at 34° to core axis. There is minor carbonate in the unit as grains and small veins.									
263.2	278.4	Mafic Volcanic -this unit is highly variable in texture and colour. The main unit appears to be dark green chloritic mafic volcanic, hosting carbonate veins to 5cm with quartz and quartz/carbonate veins. Pyrite sulfides are distributed through the section from trace to 3-5%. The carbonate in this section is ferrodolomite to ankerite. 263.2-266.35-beige pink to pale green pervasive alteration of matrix by carbonate and abundant carbonate veins. Alteration approaches fuchsite generally and some fuchsite occurs between 265.5 and 266.5m. Sulfides are minor. 266.35-270.6-alteration is much less, unit is medium to dark green with random carbonate/quartz veins generally <5cm wide but up to 20cm. 270.6-278.4--base unit is dark green but there are patches of pervasive bleaching, carbonatization quartz veins milky white to greyish, there is sericite in the section and tourmaline, black. One veined area at	317	264.35	265.35	1.0			<5	0.1	2
			318	265.35	266.35	1.0			<5	0.1	9
			319	266.35	267.6	1.25			<5	0.1	15
			320	267.6	268.6	1.0			<5	0.1	7
			321	268.6	269.6	1.0			<5	0.1	9
			322	269.6	270.6	1.0			<5	0.1	5
			323	270.6	271.6	1.0			<5	0.1	nil
			324	273.55	274.3	0.8			<5	1.2	1593
			325	274.35	5 275.3	0.95			<5	0.2	14

Diamond Drill Log

Hole # EWP00-6

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	As ppm	Ag g/ton	Au ppb
		274.0m has a sulfide quartz/carbonate tourmaline vein 1cm in width which is highly contorted. Sulfides in this vein are pyrite to 10%. Elsewhere the sulfide content is variable generally associated with veining including 2% chalcopyrite in a 10cm vein at 270.8m.	326	275.3	276.3	1.0			<5	0.1	15
			327	276.3	277.3	1.0			<5	0.1	7
			328	277.3	278.4	1.1			<5	0.1	3
278.4	285.45	Mafic Volcanic -fine grained, dark green to medium green, chloritic, weakly to moderately foliated to sheared. Unit has abundant calcite veinlets to calcite accumulations. There are small to 10cm grey to white quartz veins <5% with pyrite sulfides and minor chalcopyrite. The main portion of the unit outside of the quartz veinlets has 3-5% pyrite as fine dissemination and small cubes.	329	278.4	280.0	1.6			<5	0.4	3
			330	280.0	281.0	1.0			<5	0.2	5
			331	281.0	282.0	1.0			<5	0.2	nil
			332	282.0	283.0	1.0			<5	0.3	nil
			333	283.0	284.4	1.4			<5	0.2	2
			334	284.4	285.45	1.05			<5	0.2	3
285.45	306.0	Mafic Volcanic -fine grained, medium green weak to moderate chlorite, minor quartz veining, calcite as laminae veinlets, local pyrite associated with some quartz veinlets. There is a 40cm feldspar crystal rich section at 300.1-300.5m. There is a short mafic dyke (diabase) fine to medium grained. Chilled contacts at 301.7 to 303.5m, contact at 34° to core axis. The dyke is glomerophyric with greenish feldspar nodules.									
	306.0	End of Hole									
		Acid Tests 105.0m -43° 200.0m -41° 282.0m -34°									

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

Tel: (888) 415-9845
Fax:(877) 670-1555

Date: 2001-MAY-22

JOHN PETER HUOT
168 ALGONQUIN BOULEVARD EAST
TIMMINS, ONTARIO
P4N 1A9 CANADA

Submission Number: 2.21030
Transaction Number(s): W0160.00130

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

Ron Gashinski
Supervisor, Geoscience Assessment Office

Cc: Resident Geologist

Robert Forest Calhoun
(Agent)

John Peter Huot
(Assessment Office)

Assessment File Library

John Peter Huot
(Claim Holder)

42A05NW2009 2.21030 WHITESIDES 900

Work Report Summary

Transaction No: W0160.00130 **Status:** APPROVED
Recording Date: 2001-APR-04 **Work Done from:** 2000-APR-18
Approval Date: 2001-MAY-02 **to:** 2000-MAY-14

Client(s):

146892 HUOT, JOHN PETER

Survey Type(s):

ASSAY PDRILL

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 1193769	$22,199	$22,199	$0	$0	$10,000	10,000	$12,199	$12,199	2005-SEP-03
P 1193771	$14,129	$14,129	$0	$0	$6,400	6,400	$7,729	$7,729	2003-OCT-06
P 1207586	$0	$0	$5,600	$5,600	$0	0	$0	$0	2002-APR-09
P 1207587	$0	$0	$4,000	$4,000	$0	0	$0	$0	2002-APR-09
P 1207588	$0	$0	$4,800	$4,800	$0	0	$0	$0	2002-APR-09
P 1207589	$0	$0	$800	$800	$0	0	$0	$0	2002-APR-09
P 1207590	$0	$0	$1,200	$1,200	$0	0	$0	$0	2002-APR-10
	$36,328	$36,328	$16,400	$16,400	$16,400	$16,400	$19,928	$19,928	

External Credits: $0

Reserve:

$19,928 Reserve of Work Report#: W0160.00130

$19,928 Total Remaining

Status of claim is based on information currently on record.

MINING LAND TENURE MAP

Date / Time of Issue	Apr 24 2001 08:46h Eastern
TOWNSHIP / AREA	PLAN
WHITESIDES	G-3230

ADMINISTRATIVE DISTRICTS / DIVISIONS

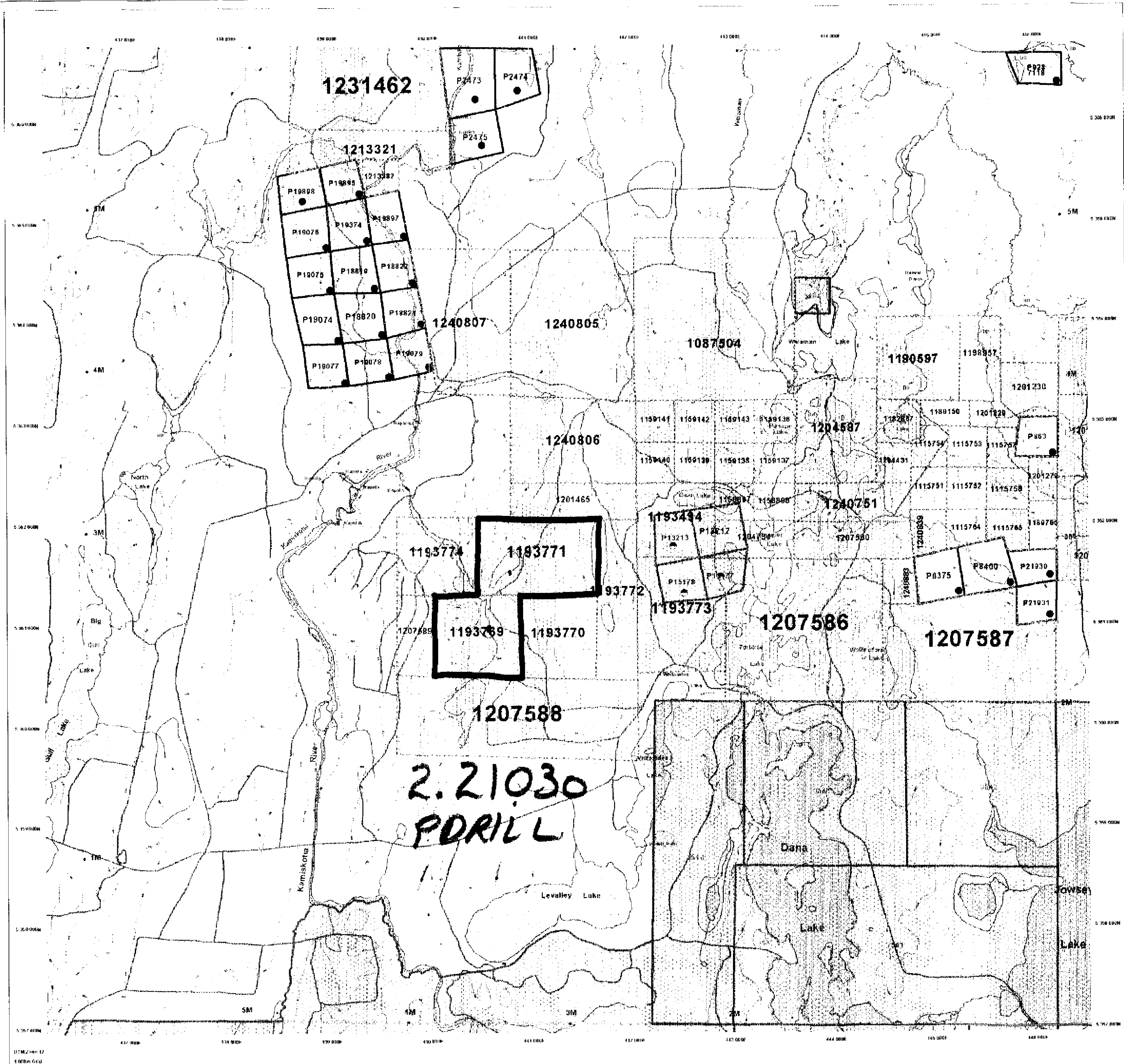
Mining Division	Porcupine
Land Titles/Registry Division	COCHRANE
Ministry of Natural Resources District	TIMMINS

TOPOGRAPHIC

LAND TENURE

LAND TENURE WITHDRAWALS

IMPORTANT NOTICES



LAND TENURE WITHDRAWAL DESCRIPTIONS

IMPORTANT NOTICES

General Information and Limitations

42A05NW2009 2.21030 WHITESIDES

200

600 N

L 400 E
L 500 E
L 600 E
L 700 E
L 800 E
L 1000 E
L 1100 E
L 1200 E
L 1500 E
L 300 E

P 1193774

P 1193771

P 1193769

P 1193770

BL 000

000 S

UM97-03
L 400 E , 325 N
Az. 000° , Dip -45°

150.00m.
Basic Intrusive
Sediments
Basic Intrusive
Sediments
Basic Intrusive
Sediments

EWP00-05 825 E , 660 N
Az. 180° , Dip -45°

240.00 m.
Gabbro/Diorite
Sulfide Zone/Quartz/Chert
Mafic Volcanic?
Mafic Volcanic-Intermediate Volcanic
Mafic Volcanic-Sulfides
Intermediate to Mafic Volcanic
Intermediate Volcanic
Quartz/Sulfide/Mafic Volcanic
Semi Massive to Massive Pyrite
Mafic Volcanic/Sulfides/Quartz
Mafic Volcanic
Mafic Volcanic
Mafic Volcanic
Gabbro?
Mafic Volcanic?
Gabbro
Mafic Volcanic
Mixed Zone
Gabbro
Mafic Volcanic?
Chert/Sulfide/Magnetic Iron/Mafic Tuff
Gabbro/Diorite
Mafic Volcanic
Mafic Dyke

UM97-04
L 500 E , 260 S
Az. 180° , Dip -45°

225.00m.
315.00 m.
Feldspar Porphyry
Volcanic, Intermediate, Fragmental
Feldspar Porphyry
Volcanic, Fragmental
Granitoid Dyke
Feldspar Porphyry
Volcanics, Fragmental
Silicified Section
Banded Sediments
Silicified Feldspatic Section
Banded Sediments
Patchy Feldspatic Section with fragments of volcanics
Mafic Volcanics (Shear Zone)
Intermediate Volcanic
Mafic Volcanic (Shear Zone)
Mafic Volcanic without shearing
Mafic Volcanic
Mafic Volcanic

UM97-04ext.

EWP00-06
L 500 E , 251 S
Az. 215° , Dip -50°
306.00 m.
Mafic Volcanic
Intermediate Volcanic Tuff
Intermediate to Mafic Tuff
Mafic Volcanic
Intermediate Volcanic Tuff?
Intermediate Volcanic
Mafic Volcanic
Quartz Volcanic
Mafic Volcanic
Ankeritized Mafic volcanic-shear zone
Mafic Volcanic
Mafic Volcanic
Mafic Volcanic

N

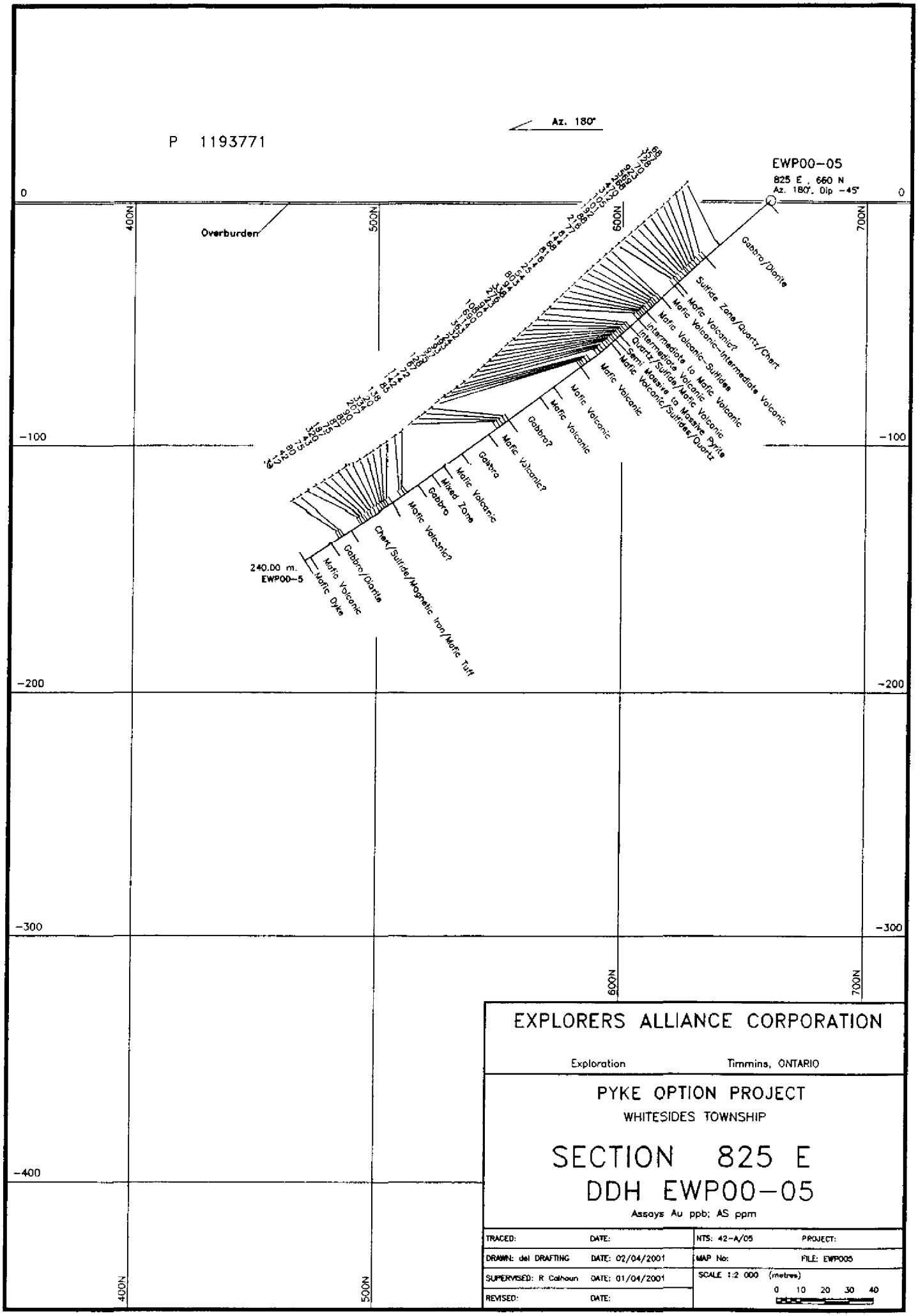
42A05NW2009 2.21030 WHITESIDES 210

EXPLORERS ALLIANCE CORPORATION
Exploration Timmins ONTARIO

PYKE & UNION SHAFT OPTION
WHITESIDES TOWNSHIP

DIAMOND DRILL PLAN
UM97-03 & 04
EWP00-05 & 06

TRACED:	DATE:	NTS: 42-A/05	PROJECT:
DRAWN: del DRAFTING	DATE: 02/04/2001	MAP No:	FILE: PYKEPLN
SUPERVISED: R Calhoun	DATE: 02/04/2001	SCALE 1:5 000 (metres)	0 40 80 120 160
REVISED:	DATE:		



EXPLORERS ALLIANCE CORPORATION

Exploration Timmins, ONTARIO

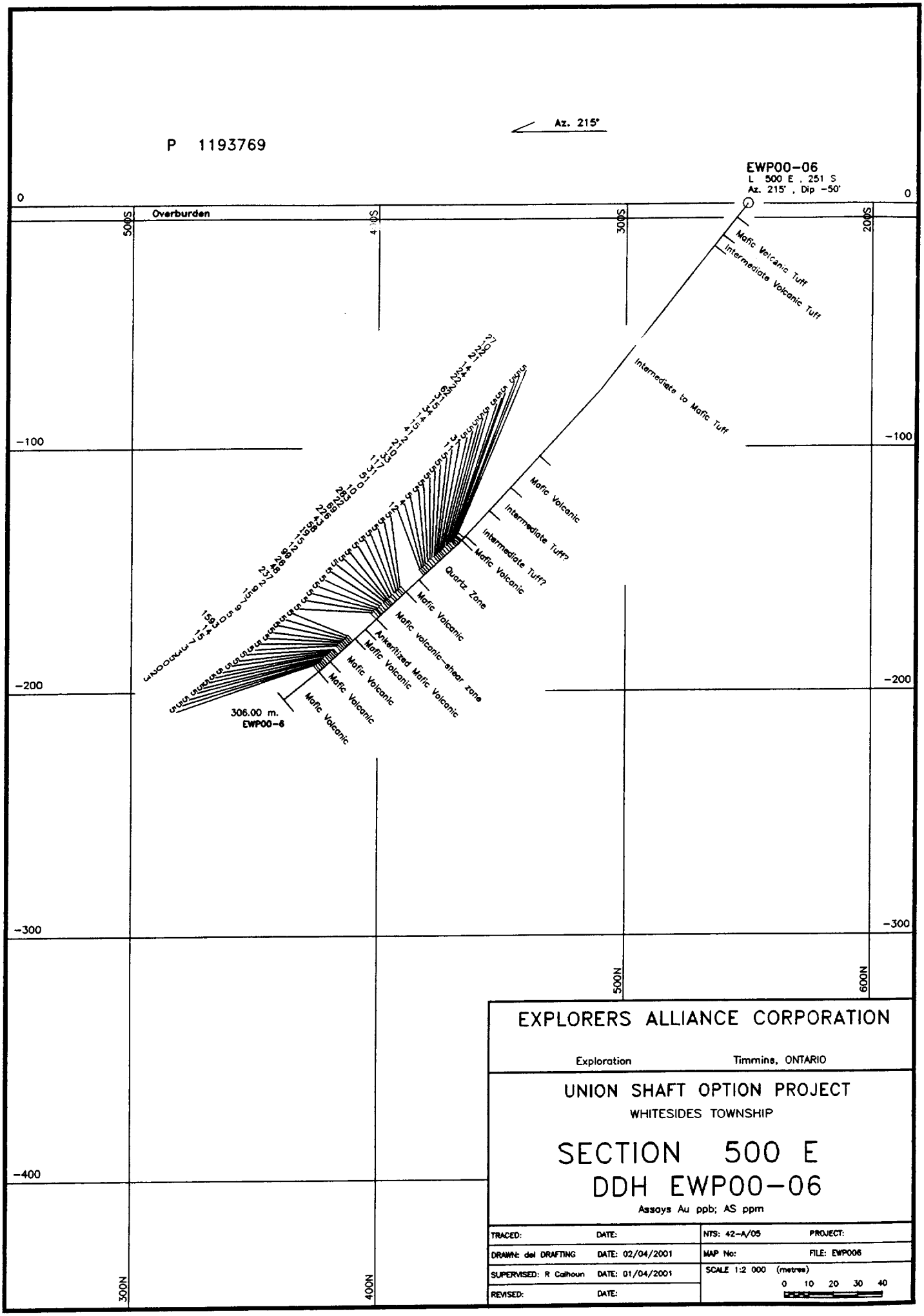
PYKE OPTION PROJECT

WHITESIDES TOWNSHIP

SECTION 825 E
DDH EWP00-05

Assays Au ppb; AS ppm

TRACED:	DATE:	NTS: 42-A/05	PROJECT:
DRAWN: del DRAFTING	DATE: 02/04/2001	MAP No:	FILE: EWP005
SUPERVISED: R Calhoun	DATE: 01/04/2001	SCALE 1:2 000 (metres)	0 10 20 30 40
REVISED:	DATE:		



EXPLORERS ALLIANCE CORPORATION

Exploration Timmins, ONTARIO

UNION SHAFT OPTION PROJECT

WHITESIDES TOWNSHIP

SECTION 500 E
DDH EWP00-06

Assays Au ppb; AS ppm

TRACED:	DATE:	NTS: 42-A/05	PROJECT:
DRAWN: del DRAFTING	DATE: 02/04/2001	MAP No:	FILE: EWP006
SUPERVISED: R Calhoun	DATE: 01/04/2001	SCALE 1:2 000 (metres)	0 10 20 30 40
REVISED:	DATE: