

DIAMOND DRILL LOG RECORD

HOLE #: 04-51

Drilling Company: Heath & Sherwood Drilling (1984) Inc.

Date Started: April 23, 2004

Date Completed: April 30, 2004

Hole Length: 102 metres

Log Completed: April 30, 2004

Logged by: Douglas Robinson, P.Eng

Core size: BQ

Rig Type: Boyles JKS-300

Shell & Core barrel Notes:

Regular short reaming shell

Regular core barrel

Casing: Left

Collar Grid Data and orientation

Grid Line: 2222E

Station: 1498 N

Elevation: Approximately 325 m.

Azimuth: Magnetic North: 347°42'

Grid North : 352°00'

Wedging Data n.a.

Depth Direction n.a.

Property: McGarry Township

Claim No.: L41003

Township/Area: McGarry Tp.

North of Virginiatown

Concession/Range: n.a.

Lot:

Latitude:

Long.

UTM (NAD'83) Zone: 17

0603876 mE

5335709 mN

NTS:

Map Ref. No.

Down the Hole Survey Control

Measurement	Depth	Raw	Raw	True	True
Method	Meters	Dip	Azimuth	Dip	Azimuth
Brunton	000	-45°	352°	-45°	352°00'

(Magnetic Declination 12°19'W)

Hole #04-51

Logged By: Douglas Robinson P. Eng



32D04NE2070 2.27596 MCGARRY

010

From	To	Description	Sample	From	To	Metres	Au ppm
0.00	4.00	OVERBURDEN					
4.00	4.20	CASING CORE					
4.20	28.00	PILLOWED BASALT Light to medium grey with prominent pale yellowish green epidote overprint. Many prominent 2.0-3.0 cm pillow selvages with pale green epidotic shards to 1x10mm. Aphanitic to very fine grained (<0.1 mm crystalline). Moderately hard to hard (< to > nail). Strongly magnetic. 4.50-4.93 Basaltic Dike. Medium grey, massive and 0.5 mm crystalline. Trace 2 mm disseminated pyrite grains. 4.50 60° Upper contact sharp and frozen. 4.93 68° Lower contact sharp and frozen. 18.73-19.00 Eighteen 3-5 mm dark green chlorite-cal filled vesicles. MINERALIZATION AND STRUCTURE Strong epidote alteration as 5-30% pale green rock along fractures, as irregular bands and patches in a medium grey groundmass. Very fine epidote in groundmass as well. Epidote alteration logged as dry core. 4.20-28.00 Weak to moderate pervasive (locally patchy) calcite alteration defined by effervescence in HCl.					
	4.33	~60° Very fine grained disseminated pyrite and a few 2 mm pyrite grains in a 3.0 cm fracture zone healed by epidote and chlorite.	82001	4.31	4.68	0.37	—
	5.78	50° 2.0 cm quartz vein, cherty grey with	82002	5.57	6.01	0.44	—

		1.5 cm epidote-chlorite wall rock banding with 2% 1 mm disseminated pyrite crystals.					
8.0	37°	0.3 cm calcite (white) in strong slip.					
11.00-14.00		twenty five 0.1 cm calcite fracture filling set at 60°.	82003	11.64	12.72	1.08	—
		Strong calcite wall rock alteration.					
12.80	28°	0.5 cm calcite fracture filling (tight) parallel to slip at 12.90.	82004	12.72	13.15	0.43	—
13.40	60°	8.0 cm chlorite alteration band. Dark green. 10% white calcite fracture filling.	82005	13.15	13.52	0.37	—
			82006	13.52	14.15	0.63	—
14.30-14.37		3% 2 mm disseminated pyrite crystals.	82007	14.15	14.46	0.31	—
14.37-14.60		0.5% 2 mm round pyrite grains.	82008	14.46	16.00	1.54	—
15.20-19.20		seven 0.1 cm white calcite fracture filling at 35°.					
15.50	40°	0.4 cm calcite fracture filling, white and tight.					
			82009	17.27	17.61	0.34	—
20.60	32°	1.0 cm calcite vein with tight walls. 0.3 cm dark green chlorite alteration along both walls.					
17.40-17.56		1% 3 mm pyrite crystals in 4.0 cm pillow selvage parallel to core axis.					
			82010	21.25	21.70	0.45	—
21.80-21.90		Pyrite patches to 0.7 cm in pillow selvage parallel to core axis.					
			82011	24.44	25.81	1.37	—
26.05	60°	6.0 cm quartz-calcite-magnetite-epidote band. 10% white calcite. 20% calcite with fine disseminated 1 mm chlorite. 7% magnetite patches. 30% epidote, fine grained. 33% Cherty wall rock. TRACE CHALCOPYRITE	82012	25.81	26.10	0.29	—
25.50-27.45		Strong calcite alteration. Probably controlled by structure at 26.05.	82013	26.10	27.45	1.35	—

28.00 39.80 MASSIVE BASALT

Medium grey.
 Uniform and massive with a few pillow salvages to 1.5 cm.
 Fine grained (0.1 mm crystalline)
 Hard to very hard (> to >> nail).
 Strongly magnetic.

MINERALIZATION AND STRUCTURE

Weak to moderate epidote alteration as grey to pale green
 healed hairline fracture filling, patches and in a few pillow rims.
 Weak to moderate calcite alteration except as noted.

29.28	62°	1.0 cm calcite vein, white with 5% pyrite crystals to 5 mm.	82014	29.08	29.39	0.31	—
		Calcite-epidote fracture filling over 3.0 cm along vein.					
30.61	70°	3 X 0.5 cm patch of fine disseminated pyrite in grey alteration band.	82015	30.52	30.69	0.17	—
34.24-35.20		Calcite alteration, strong.					
34.55	32°	0.3 cm calcite-quartz fracture filling.					
34.85	32°	0.3 cm calcite-quartz fracture filling with one slip wall.					
36.26	1.5 X 4.0	1.5 x 4.0 cm patch of coarse calcite with several 3 mm pyrite crystals.	82016	37.00	37.87	0.87	—
37.90-42.83		Intense calcite-chlorite alteration. (Vein Zone)	82017	37.87	38.38	0.51	—
		Dark green, aphanitic.					
		Medium hard (< nail).					
		Moderately magnetic.					
		Locally minor epidote alteration patches.					
		5% hairline to 0.5 cm grey calcite fracture filling at various (crosscutting) angles including 20, 40 & 60°.					
38.56	70°	0.5 cm grey calcite vein with 10% very fine grained pyrite.					

38.61	80°	0.5 cm white calcite vein with 2% very fine grained pyrite.					
38.56-38.61		Wall rock with minor disseminated pyrite.	82018	38.38	38.77	0.39	—
			82019	38.77	39.85	1.08	—
			82020	39.85	40.77	0.92	—

39.80 52.50 PILLOWED BASALT

Medium greenish grey.
 Locally prominent pillow salvage to 3.0 cm
 with straight pale green epidote shards in medium-dark green matrix..
 Aphanitic to very fine grained.
 Moderately hard generally > nail, locally < nail)
 Strongly magnetic.

MINERALIZATION AND STRUCTURE

Weak epidote alteration.

39.80- 42.83 see 37.90-42.83 **Vein zone.**

42.83-52.40 Moderately strong pervasive calcite alteration.
 (52.40-52.50 Weak calcite alteration.).

40.75-41.10 1% disseminated fine to coarse grained pyrite to 2 mm.

40.95	32°	0.8 cm grey calcite vein along slip.	82021	40.77	41.51	0.74	—
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41.65	42°	Main vein.	82022	41.51	41.76	0.25	—
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2.0 cm calcite-quartz-chlorite vein
 with trace fine grained disseminated pyrite.

One slip wall.

Dark green chlorite alteration along vein walls.

Sample:		Trace pyrite.	82023	41.76	42.41	0.65	—
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42.48	34°	0.7 cm calcite vein, white.	82024	42.41	42.76	0.35	—
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Weak wall rock chlorite alteration band along vein wall.

42.56 85° 0.6 cm calcite vein, grey.

Strong dark green chlorite wall rock alteration bands
 along vein.

1-2% very fine grained pyrite in vein.

			82025	42.76	43.97	1.21	—
			82026	44.72	46.13	1.41	—
	46.20-46.53	Minor disseminated pyrite in pillow selvage and in pillows.	82027	46.13	46.85	0.72	—
	46.22	Several 2 mm patches of chalcopyrite.					
	46.97	68° 2.0 x 0.5 cm epidote-chalcopyrite-pyrite seam. 30% chalcopyrite, 10% pyrite.	82028	46.85	47.06	0.21	—
			82029	47.06	48.28	1.22	—
52.50	67.36	MASSIVE BASALT					
		Medium greenish grey.					
		Massive with a few pillow salvages to 1.5 cm.					
		Fine grained (0.1 mm crystalline)					
		Hard to very hard (> to >> nail).					
		Moderately to strongly magnetic					
		except from 51.40-54.80 which non-magnetic to locally weakly magnetic.					
		MINERALIZATION AND STRUCTURE					
		Weak epidote alteration, mostly in and along healed fractures.					
	52.50-55.40	Weak calcite alteration.					
	55.40-58.75	(Vein Zone) Intense chloritic-pervasive calcite alteration	82030	53.86	55.00	1.14	—
		cut by fifty five calcite	82031	55.00	55.73	0.73	—
		and calcite-chlorite fracture fillings.					
		Soft (<< nail).					
	55.95-56.20	50° 20.0 cm true width Quartz-calcite-chlorite-pyrite-chalcopyrite composite vein.	82032	55.73	56.22	0.49	—
		1% chalcopyrite, 4% pyrite,					
		40% Grey cherty quartz (south edge of vein),					
		15% as 2.0-3.0 cm calcite vein &					
		40% calcite-quartz-chlorite band (along north edge of vein).					
		Calcite vein in center of composite vein structure.					
		Strong dark green chlorite slip along edge of calcite vein					
		(strong slickensides 58°)					

		1.5 cm chip (50% ground out) of pale very fine grained green altered rock at chlorite slip in center of vein.					
56.20-67.28		Scattered sections of coarse disseminated pyrite locally 0.5% pyrite over 10.0 cm	82033	56.22	57.48	1.26	—
			82034	57.48	58.53	1.05	—
58.55-59.05		0.5% coarse disseminated pyrite.					
58.60-59.00		(Vein Zone) Strong shearing. Rock friable but not broken. Strong chlorite alteration.					
58.68	60°	2.0 cm calcite vein, grey. 10% dark green chlorite bands.	82035	58.53	59.00	0.47	—
			82036	59.00	60.46	1.46	—
			82037	60.46	61.87	1.41	—
61.99	58°	2.0 cm calcite-chlorite-pyrite vein (with trace chalcopyrite?). 10% pyrite as 2 mm crystals, 10% chlorite as dark green masses & 80% calcite-quartz fine grained intergrowth.	82038	61.87	62.11	0.24	—
			82039	62.11	63.38	1.27	—
			82040	63.38	64.81	1.43	—
			82041	64.81	66.16	1.35	—
			82042	66.16	67.36	1.20	—

67.36 69.50 FELDSPAR PORPHYRY

Very fine grained, dark grey groundmass with many 0.1-1.0 mm white feldspar grains. 5% 2 mm rounded white feldspar phenocrysts. Non magnetic.

Very hard >> nail.

67.36 65° Upper contact frozen and sharp.

69.50 58° Lower contact frozen and sharp.

Tag "67 meters" to Tag "68 meters" = 3.10 meters of core.

2 meters added to all tags from tag "68 meters" to the end of the hole.

MINERALIZATION AND STRUCTURE

82043	67.39	68.35	0.96	—
82044	68.35	69.50	1.15	—

69.50 79.40 MASSIVE BASALT

Medium greenish grey
 Generally massive with hairline epidote fracture filling overprint.
 Pillow salvages at 75.00 & 69.80.
 Very fine grained (aphanitic to 0.1 mm crystalline).
 Locally moderate to strongly magnetic, locally non magnetic.
 69.50-71.00 Medium hardness (< nail).
 71.00-79.40 Moderately soft (<<nail to < nail)

MINERALIZATION AND STRUCTURE

Weak to moderate epidote alteration of groundmass,
 in volcanic textures and in & along healed fractures.

69.50-71.39 Minor weak calcite alteration.

69.70-69.89 30° 2.0 cm pillow selvage with
 20% grey calcite, 10% pyrite as irregular masses,
 3% wispy chalcopryrite, 10% yellow green epidote.

82045	69.50	70.00	0.50	—
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82046	70.00	71.18	1.18	—
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71.39-79.40 Moderate-strong pervasive calcite alteration.

71.30-74.61 (Vein Zone) Vein set generally 40-50°.
 3% 0.1-0.5% Calcite fracture filling
 in addition to veins listed below.

82047	71.18	72.06	0.88	—
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72.47 45° 4.5 cm quartz-calcite vein.
 5% dark green wispy chlorite.
 10% sheared wall rock inclusions.
 Strong slip in vein.

82048	72.06	73.14	1.08	—
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72.63 40° 1.5 cm quartz-calcite vein.
 Slip wall.

72.92	40°	2.5 cm quartz-calcite vein. 5% dark green wispy chlorite.					
73.10	48°	5.0 cm quartz vein, white. Self healed fracturing of quartz..					
73.28	40°	2.0 cm quartz-calcite vein. Vein symmetrically layered quartz-calcite, grey quartz bands. 15.0 cm of chlorite alteration of wall rock with 1.5x0.5 cm chalcopyrite mass.	82049	73.14	73.38	0.24	—
74.83		Minor disseminated pyrite over 10.0 cm in epidote fracture filling.	82050	73.38	74.61	1.23	—
			82051	74.61	76.00	1.39	—
			82052	76.00	77.29	1.29	—
77.31-81.78		Vein Zone alteration. Numerous hairline to 0.5 cm calcite fracture fillings concentrated in softest core. Soft (<< nail), dark green, chlorite alteration with intense pervasive calcite alteration at 77.31-78.61, 80.60-81.78. Remainder weak epidote & calcite alteration (hardness < nail) (magnetic).	82053	77.29	77.92	0.63	—
77.91-78.31		Minor disseminated pyrite, trace chalcopyrite .					
78.00-78.18		2% pyrite grains to 1.0 cm and 0.5% chalcopyrite .					
78.10	50°	6.0 cm calcite-quartz vein; opaque , white with healed shear in center of vein. Hematite seam in wall rock.	82054	77.92	78.22	0.30	—
			82055	78.22	78.92	0.70	—
79.19	58°	1.5 cm calcite vein.	82056	78.92	79.39	0.47	—

79.40 103.00 PILLOWED BASALT

Medium greenish grey except as noted.
 Aphanitic to very fine grained (<0.1 mm).
 Prominent pillow selvages to 2.0 cm.
 Locally volcanic breccia.

MINERALIZATION AND STRUCTURE

79.40-85.32	Epidote alteration of groundmass, epidote fracture filling and epidotization of volcanic textures. Weak to moderate calcite alteration.	82057	79.39	80.60	1.21
80.86	52° 8.0 cm calcite-quartz-chlorite composite vein. Chlorite separation bands. Strong slips along vein walls.	82058	80.60	81.02	0.42
		82059	81.02	81.45	0.43
80.47-81.37	1% pyrite as irregular patches and fine disseminated pyrite.				
81.63	45° 3.0 cm calcite-quartz vein: banded. Appears to be sheared.	82060	81.45	81.76	0.31
		82061	81.76	83.18	1.42
		82062	83.18	84.65	1.47
83.40-83.66	minor disseminated pyrite in epidote alteration.				
85.32-85.91	Vein Zone alteration zone. Moderate soft with patchy weak to strong calcite alteration. Twenty one 0.1-0.4 cm white calcite fracture filling at 70°. Pale grey from 85.32-85.66. Dark green chloritic from 85.66-85.91.				
85.50	75° 3.5 cm calcite-quartz composite vein. Opaque calcite bands & white quartz band & chlorite bands & calcite-quartz bands.	82063	84.65	86.00	1.35
85.91-103.00	Epidote alteration minor to absent. Locally well developed pillow salvages and volcanic breccia. Locally massive.	82064	86.00	87.45	1.45
	Hard to very hard (> to >> nail).	82065	87.45	88.83	1.38

	Medium to strongly magnetic.				
88.93	1.0x0.3 cm patch chalcopyrite.				
88.91-89.36	Numerous spots of chalcopyrite to 0.3 cm. In volcanic textures including pillow selvages.	82066	88.83	89.74	0.91
89.79-91.00	Vein zone with twenty five 0.1-0.4 cm calcite fracture filling parallel to vein at 90.32m.				
90.19	50° 1.0 cm calcite vein; grey				
90.32	55° 8.0 cm calcite-quartz vein. Very fine grained, grey shear banded calcite. Strong slip walls.	82067	89.74	90.48	0.74
		82068	90.48	91.00	0.52
91.00-93.75	Numerous patches chalcopyrite to 0.4 cm in volcanic texture including volcanic breccia.	82069	91.00	92.39	1.39
		82070	92.39	93.23	0.84
		82071	93.23	95.00	1.09
		82073	95.00	96.32	1.32
		82073	95.00	96.32	1.32
		82074	96.32	97.51	1.19
97.68	2.0x1.0 cm calcite filled pillow salvage wedge with 3% chalcopyrite & 3% pyrite.	82075	97.51	97.87	0.36
98.40	Trace chalcopyrite.	82076	97.87	99.37	1.50
98.61	Trace chalcopyrite.				
98.66	Trace chalcopyrite.				
99.42-103.00	Vein Zone Fifty 0.1-0.3 cm calcite-quartz fracture filling at various angles.	82077	99.37	100.75	1.38
100.87	80° 2.0 cm calcite vein. Very fine grained grey calcite.	82078	100.75	101.10	0.35
101.00	Minor chalcopyrite .				
		82079	101.10	102.20	1.10
101.38	70° 5.5 cm calcite vein. Fine grained grey calcite with 30% angular wall rock fragments. Fine grained hematite seam in wall rock.	82080	102.20	102.61	0.41

8% pyrite & 2% chalcopyrite in 8.0 cm of wall rock below vein.
101.55 75° 1.5 cm vague calcite vein with strongly chloritic wall rock.
Minor **chalcopyrite** in vein.

82081 102.61 103.00 0.39

102.00 END OF HOLE

Core recovery was near 100% for the full length of the hole.

Drilling was good to the end of the hole.

Core to be stored in cross piles at a location to be determined in, Kirkland Lake, Ontario.

Tag "67 meters" to Tag "68 meters" = 3.10 meters of core.

2 meters added to all tags from tag "68 meters" to the end of the hole.

Log completed April 30, 2004.

To be consistent with the log of 04-52 Vein Zone has been added to this log to designate the veins zones that appear to be the significant structures encountered.

DIAMOND DRILL LOG RECORD

HOLE #: 04-52

Drilling Company: Heath & Sherwood Drilling (1984) Inc.

Date Started: April 28, 2004

Date Completed: May 01, 2004

Hole Length: 102 metres

Log Completed: May 3, 2004

Logged by: Douglas Robinson, P.Eng

Core size: BQ

Rig Type: Boyles JKS-300

Shell & Core barrel Notes:

Regular short reaming shell

Regular core barrel

Casing: Left

Collar Grid Data and orientation

Grid Line: 2222E.

Station: 1498N

Elevation: Approximately 325 m.

Azimuth: Magnetic North: 347°42'

Grid North : 352°00'

Wedging Data n.a.

Depth Direction n.a.

Property: McGarry Township

Claim No.: L41003

Township/Area: McGarry Tp.

North of Virginiatown

Concession/Range: n.a.

Lot:

Latitude:

Long.

UTM (NAD'83) Zone: 17

0603876 mE

5335709 mN

NTS:

Map Ref. No.

Down the Hole Survey Control

Measurement Method	Depth Meters	Raw Dip	Raw Azimuth	True Dip	True Azimuth
Brunton	000	-60°	352°	-60°	352°00'

(Magnetic Declination 12°19'W)

Hole #04-52

Logged By: Douglas Robinson P. Eng



32D04NE2070 2.27596 MCGARRY

From	To	Description	Sample	From	To	Metres	Au ppm
0.00	4.00	OVERBURDEN					
4.00	4.22	CASING CORE					
4.22	47.82	PILLOWED BASALT Medium grey with prominent pale yellowish green epidote overprint. Many prominent 1.0-2.0 cm pillow selvages with pale green epidote. Aphanitic to very fine grained (<0.1 mm crystalline). Strongly magnetic. 4.22-14.00 Hard (= to > nail). 14.00-39.72 Hard to very hard (> nail). 39.72-47.82 Moderately hard (< nail). 9.3-10.00 Prominent 3-8 mm dark green chlorite-calcite filled vesicles in the pillows. MINERALIZATION AND STRUCTURE Strong epidote alteration as 20% pale green epidote alteration along healed fractures, as irregular bands and patches in a medium grey groundmass. Very fine epidote in groundmass as well. Epidote alteration logged as dry core. 4.22-47.82 Patchy weak calcite alteration except as noted (defined by effervescence in HCl). 23.00-28.70 Moderate pervasive calcite alteration. 28.70-35.00 Weak to moderately calcite Alteration. 4.22-47.82 Minor hairline to 0.3 mm white calcite and grey fracture filling. 4.70 55 0.8 cm simple calcite vein.					

	No alteration.				
5.30-5.42	Volcanic breccia with epidote fragment rims and calcite space filling. Minor disseminated pyrite.	82083	5.00	6.12	1.12
8.40	2% disseminated 2 mm pyrite crystals over 10.0 cm centred on 0.3-1.0 cm grey quartz seam at 30°. Trace chalcopyrite in quartz seam.	82084	8.26	8.62	0.36
10.00-10.76	Weak vein zone. Moderately to strong calcite alteration. Moderately soft (<< nail). Fourteen 0.1-0.3 cm calcite fracture filling.	82085	9.78	11.00	1.22
14.85	22° 0.8 cm calcite-quartz vein.				
15.72	55° Two 1.0 cm grey cherty quartz seams	82086	15.53	16.04	0.51
18.20	58° 1.0 cm calcite-quartz vein with minor pyrite.				
18.30	2% disseminated 2 mm pyrite crystals over 10.0 cm	82087	18.10	18.59	0.49
23.00-32.00	Locally minor disseminated pyrite.				
25.34	8.0 cm patch coarse white calcite filling pillow selvage.	82088	25.19	25.59	0.40
31.15	20° 0.5-1.0 calcite-quartz vein.	82089	30.92	31.24	0.32
32.00-47.82	Minor disseminated pyrite and trace chalcopyrite in pillow selvages.	82090	31.24	32.00	0.76
		82091	32.00	32.95	0.95
		82092	32.95	34.52	1.57
35.24-35.41	0.5% pyrite masses to 4 mm in healed fractures.	82093	34.52	35.38	0.86
35.57-35.80	Weak vein zone. Many 0.1-0.3 cm calcite fracture filling at 60-75°. Dark green, chloritic. Minor pyrite in cal and wall rock.. Patchy strong calcite alteration. Magnetic.				
35.93-35.97	80° 80% quartz-calcite veining with 5% magnetite and 3% pyrite. Rusty pitting from surficial weathering.	82094	35.38	36.28	0.90
		82095	36.28	37.53	1.25

		82096	37.53	38.87	1.34
38.87-39.48 Weak vein zone.		82097	38.87	39.51	0.64
	Twenty three 0.1-0.3 mm calcite fracture filling. Intense calcite-chlorite alteration. Moderately hard (< to = nail). Moderately magnetic.				
		82098	39.51	40.50	0.99
41.37	88° 0.4 cm grey calcite-quartz vein. 10% very fine grained pyrite in vein.				
		82099	40.50	41.28	0.78
41.32-43.08 Vein Zone.		82100	41.28	41.86	0.58
	Intense pervasive calcite-chlorite alteration. Medium-dark green, no epidote. Moderately hard (< to = nail). 42.05-43.08 Non magnetic. 42.07-42.20 50° Intense banded chlorite alteration with 25% calcite-chlorite veining. 3% very fine grained pyrite masses to 1.5 cm.	82101	41.86	42.37	0.51
42.54-42.69	60° 11.0 cm composite vein. Includes 9.0 cm highly variable cherty quartz & white calcite-quartz with pale grey-green actinolite-tremolite crystals & wall rock fragments. Vein also includes a 2.0 cm white calcite vein that appears to be later than the rest of the vein.	82102	42.37	42.82	0.45
		82103	42.82	44.00	1.18
44.08	4.0 cm patch centred in a strong epidote alteration patch. 50% white calcite, 25% black magnetite, 5% pyrite, 1% chalcopyrite and 5% black needles (tourmaline?)				
44.44	58° 3.0 cm band intense epidote alteration with pyrite and 7% chalcopyrite.	82104	44.00	44.59	0.59

			82105	44.59	46.26	1.67
			82106	46.26	47.71	1.45
47.82	57.50	FELDSPAR PORPHYRY Dark grey. Bimodal feldspar phenocryst distribution as 3% 2-4 mm white feldspar phenocrysts and 20% 1 mm feldspar phenocrysts in a grey groundmass.. The phenocrysts have sharp outlines except in calcite alteration. Very hard (>> nail). Within 1.0 cm of contact the larger phenocrysts are generally absent. Upper contact 35-00° to core axis. Contact repeated by three offsets. Contact sharp and epidote altered. Lower contact 30 to core axis, sharp and frozen.				
		MINERALIZATION AND STRUCTURE				
		47.82-48.72 Strong epidote alteration of porphyry along the contact. Minor chalcopyrite in the epidote.	82107	47.71	49.19	1.48
		48.72-57.50 10% of core grey calcite alteration which masks the phenocrysts. Calcite alteration along hairline fracture fillings.				
		50.29-50.53 Strongest bleaching as moderate calcite alteration. 75% of core bleached along calcite fracture fillings at 65°.	82108	49.19	50.65	1.46
		55.50-56.34 Strong calcite alteration along grey 0.4 cm calcite-quartz fracture filling at low angle to the core axis.	82109	55.11	56.57	1.46
57.50	149.00	BASALT Massive and pillowed basalt. Medium grey to greenish grey. Aphanitic to medium grained.				
		MINERALIZATION AND STRUCTURE				
		57.35-62.21 Vein Zone.				

- Calcite- chlorite alteration.
- 60.37** 65° 16.0 cm calcite-quartz-chlorite-chalcopryrite vein.
Complex composite vein with
2% chalcopryrite and 2% pyrite.
Includes 2.0 cm quartz vein with cockscomb
crystal texture.
- 60.65-60.77 Calcite-quartz-chlorite-chalcopryrite patch
on one side of core.
- 64.78** 1.5 cm epidote alteration band
with **10% chalcopryrite & 10% pyrite.**
- 72.13 Chalcopryrite patch.
- 72.42-74.14 Vein Zone.**
- 73.37** 80° 6.0 cm calcite-quartz vein.
- 79.51-80.40 **2% chalcopryrite** in epidote alteration.
- 84.16-85.65 Vein zone**
- 84.24** 55° 6.5 cm quartz-calcite composite vein.
- 94.70-95.50 Vein zone** style alteration, no vein.
- 100.16 3.5 x 2.0 cm patch with **25% chalcopryrite.**
- 125.67-125.93 Vein Zone.**
Vein style calcite-chlorite alteration.
- 125.74** 58° 3.0 cm calcite vein, grey.
- 129.80-131.89 Vein zone.**
Pale grey bleached appearance.
Appears to be: intense silicification, Fe-carbonate,
and/or albite alteration.
Zone grades outwards into calcite-chlorite alteration.
- 129.97** 50° 2.0 cm quartz vein, grey and white.
- 130.52** 20° 2.0 cm quartz vein, white.
One strong slip face.
- 130.75** 45° 2.0 cm quartz vein.
- 136.00-144.00 Vein Zone.**

Core areas at 136.80-137.60 & 139.77-142.65 appear to be: intense silicification, Fe-carbonate, and/or albite alteration.

The core areas are pale grey, very fine grained and hard (>nail).

Peripheral to core areas, the core is calcite-chlorite alteration which is medium-dark green.

141.59 70° 3.0 cm quartz vein.

141.73 70° 3.0 cm quartz vein.

142.18 55° 2.5 cm quartz vein.

144.00-149.00 Uniform and massive, very fine grained and massive. Very hard (> nail).

149.00 END OF HOLE

Core recovery was near 100% for the full length of the hole.

Drilling was good to the end of the hole.

Core to be stored in cross piles at a location to be determined in, Kirkland Lake Ontario.

Term “**vein zone**” generally applies to alteration zones that appear to be a style directly associated with vein systems in contrast to isolated veining that appears to be independent of gold style mineralization.

These **vein zones** tend to be characterized by **calcite-chlorite alteration** that is non-magnetic, moderately soft and have one or several main calcite or calcite-quartz or quartz veins and many thin calcite-quartz fracture fillings. These tend to be dark green and epidote alteration is absent.

A second type of vein zone appears to be a pale grey, hard, silicification (possibly albitization). The main veins in this alteration appears to be quartz with little carbonate or dolomite or Fe-carbonate that effervesces weakly in strong HCl.

The silicification appears to be bounded by a calcite-chlorite alteration similar to the calcite-chlorite vein style alteration described above.

Veins tend to range from simple veins caused by a simple dilation veins with one vein filling generation; to complex, composite veins commonly having multiple dilations each with a separate vein filling as evidence by: wispy to planar chlorite inclusions that appear to be vein wall rip offs, layered-zoned vein fillings.

Date: 2004-JUN-11

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

TRANSPACIFIC RESOURCES INC.
130 ADELAIDE STREET, WEST
SUITE 2800
TORONTO, ONTARIO
M5H 3P5 CANADA

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

Submission Number: 2.27596
Transaction Number(s): W0480.00662

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.

The revisions outlined in the Notice dated May 10, 2004 have been corrected. Accordingly, assessment work credit has been approved as outlined on the Declaration of Assessment Work Form that accompanied this submission.

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 C. Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

Douglas Raymond Robinson
(Agent)

Transpacific Resources Inc.
(Assessment Office)

Assessment File Library

Transpacific Resources Inc.
(Claim Holder)

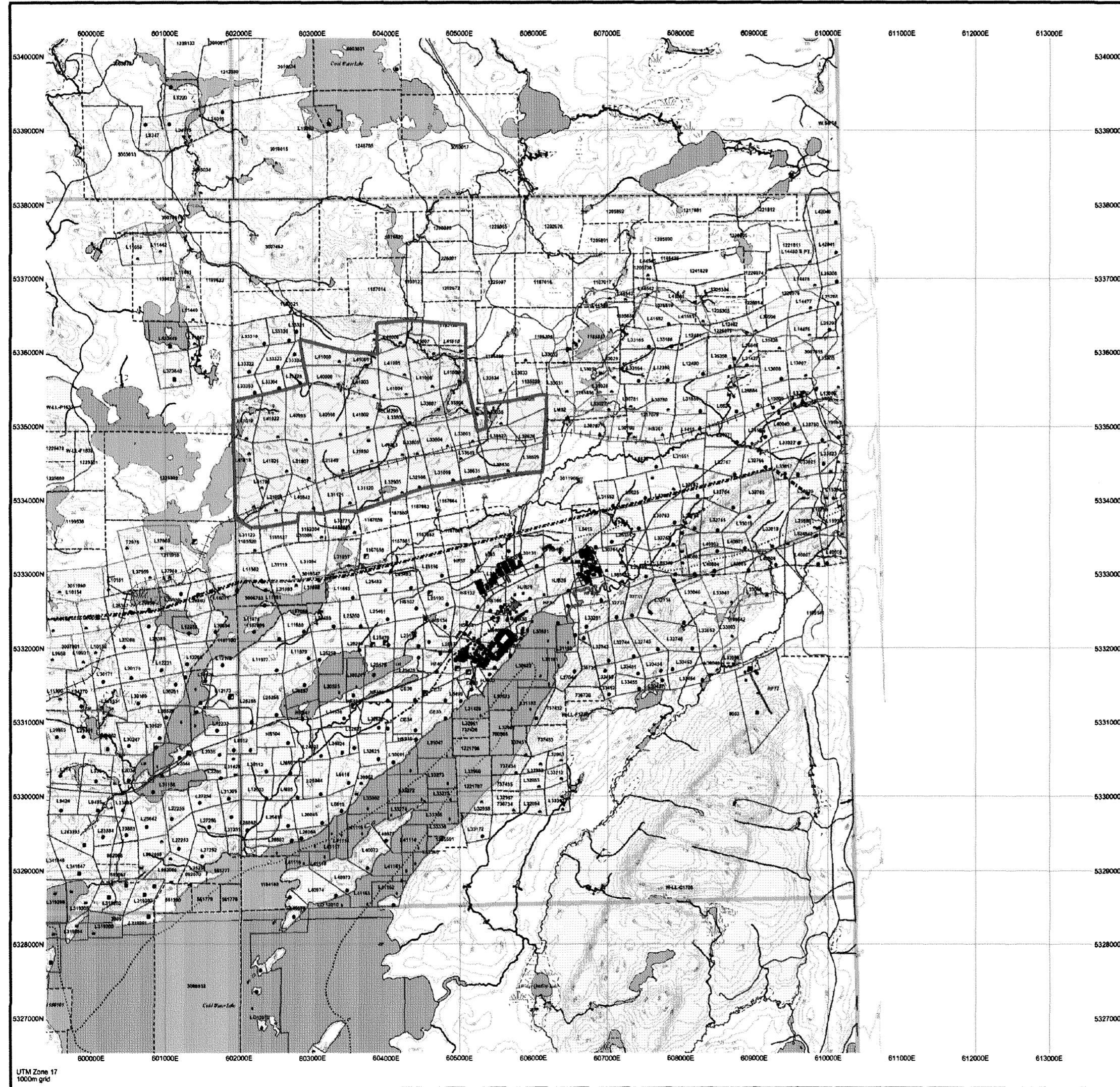
Date / Time of Issue: Fri Jul 02 13:20:04 EDT 2004

TOWNSHIP / AREA
MCGARRY

PLAN
G-3678

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division Larder Lake
Land Titles/Registry Division KIRKLAND LAKE
Ministry of Natural Resources District



TOPOGRAPHIC

- Administrative Boundaries
Township
Carveaway Lot
Provincial Park
Indian Reserve
C&P P&A Fee
Cartoon
New Shale
New Hydrofracture
Railway
Road
Tie
Natural Gas Pipeline
Liquor
Tower

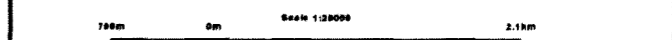
Land Tenure

- Feehold Patent
Surface And Mining Right
Surface Rights Only
Mining Rights Only
Leasehold Patent
Surface And Mining Right
Surface Rights Only
Mining Rights Only
Licence of Occupation
User Not Specified
Surface And Mining Right
Surface Rights Only
Mining Rights Only
Land Use Permit
Order to Close (Not open for Sale)
Water Power Lease Agreement
Mining Claim
Plan Only Mining Claims

Table with 4 columns: Type, Symbol, Description, and Notes. Includes categories like Mining Claims and Plan Only Mining Claims.

LAND TENURE WITHDRAWALS

- Areas Withdrawn From Disposition
Mining As Mineral Types
Surface And Mining Rights
Surface Rights Only
Order to Close (Withdrawal Types)
Before and After Right Withdrawal
After Rights Only Withdrawal
Mining Rights Only Withdrawal



LAND TENURE WITHDRAWAL DESCRIPTIONS

Table with columns: Identifier, Type, Date, Description. Lists various withdrawal events with dates and descriptions.

2.27596
PDRILL

UTM Zone 17
1000m grid

Those wishing to make mining claims should consult with the Provincial Mining Records Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown herein.

General Information and Limitations

Correct Information: Provincial Mining Records Office, Water Control Centre, 500 Ramsey Lake Road.

Map Scale: NAD 83, UTM Zone 17, 1:275,000.

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, rights of way, flooding rights, or other forms of disposition of rights and interests from the Crown.

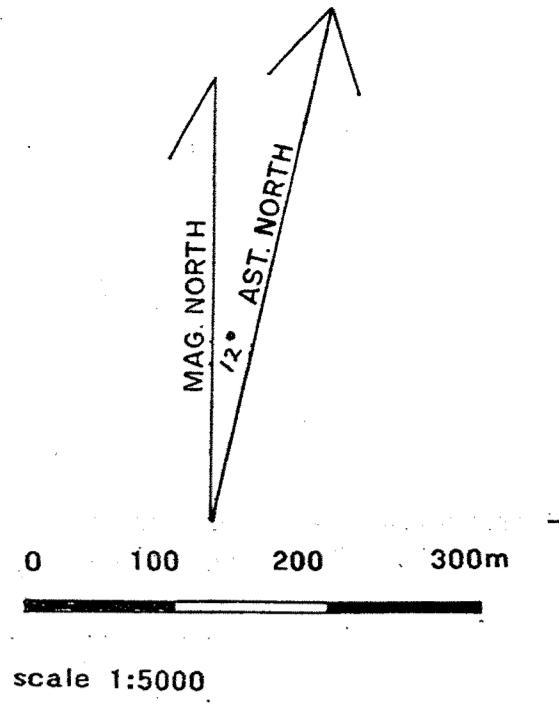
32D0ANEZ070 2.27596 MCGARRY



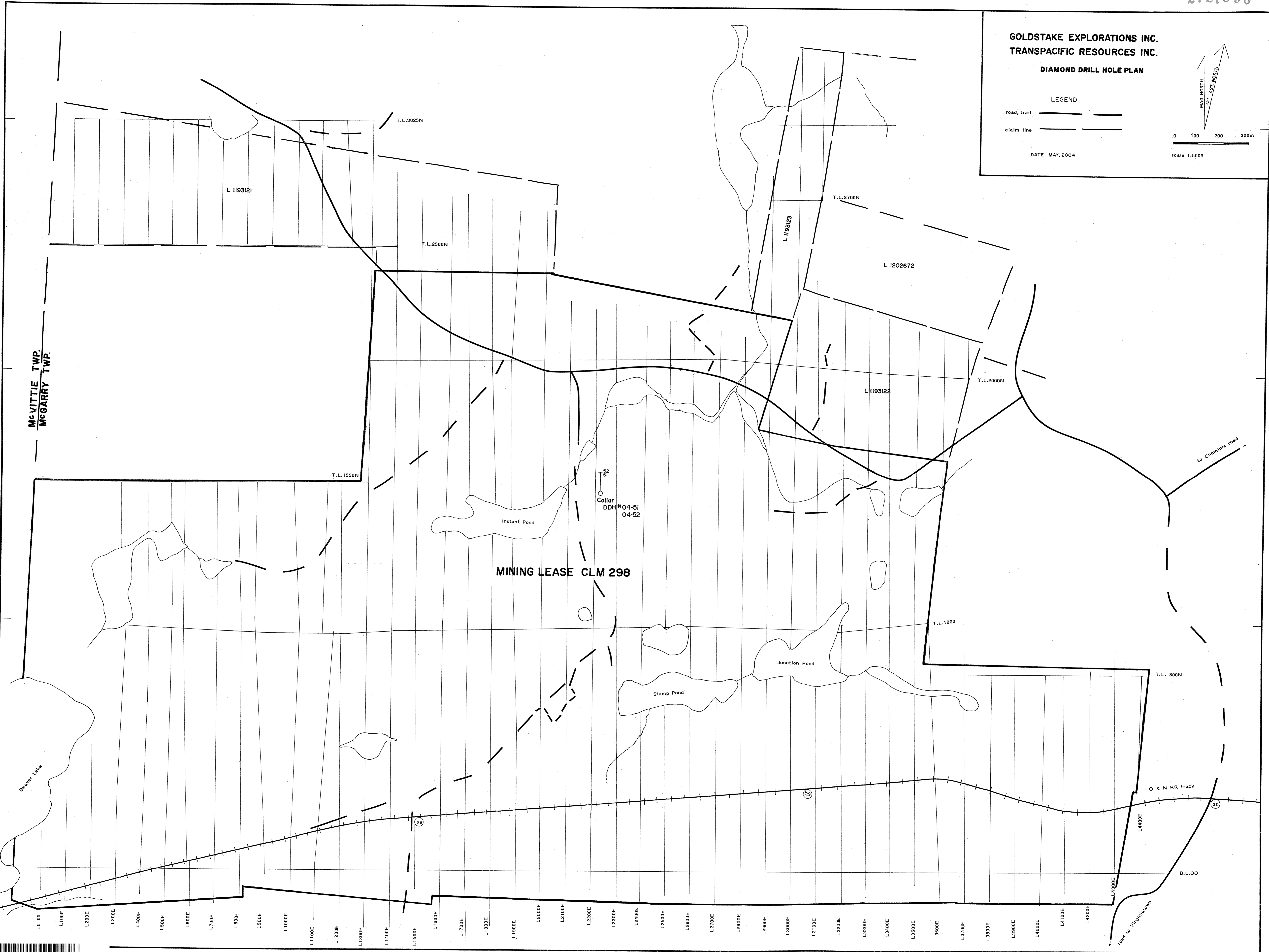
GOLDSTAKE EXPLORATIONS INC.
TRANSFACIFIC RESOURCES INC.

DIAMOND DRILL HOLE PLAN

LEGEND
road, trail ———
claim line - - - - -



DATE: MAY, 2004

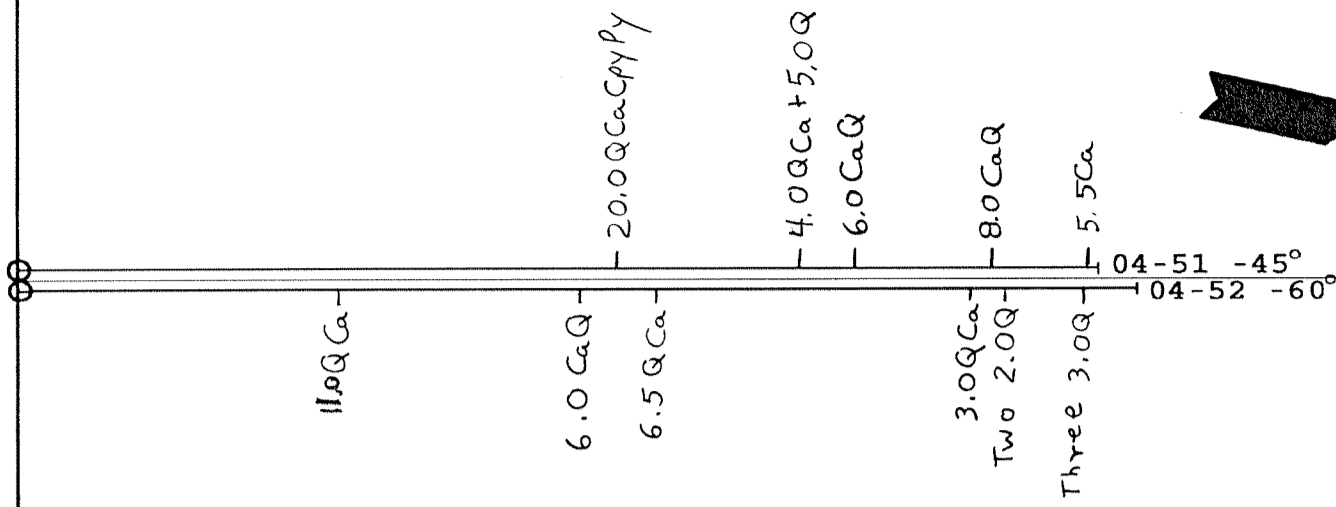
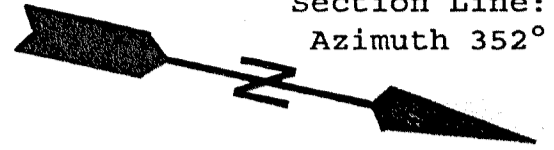


MINING LEASE CLM 298

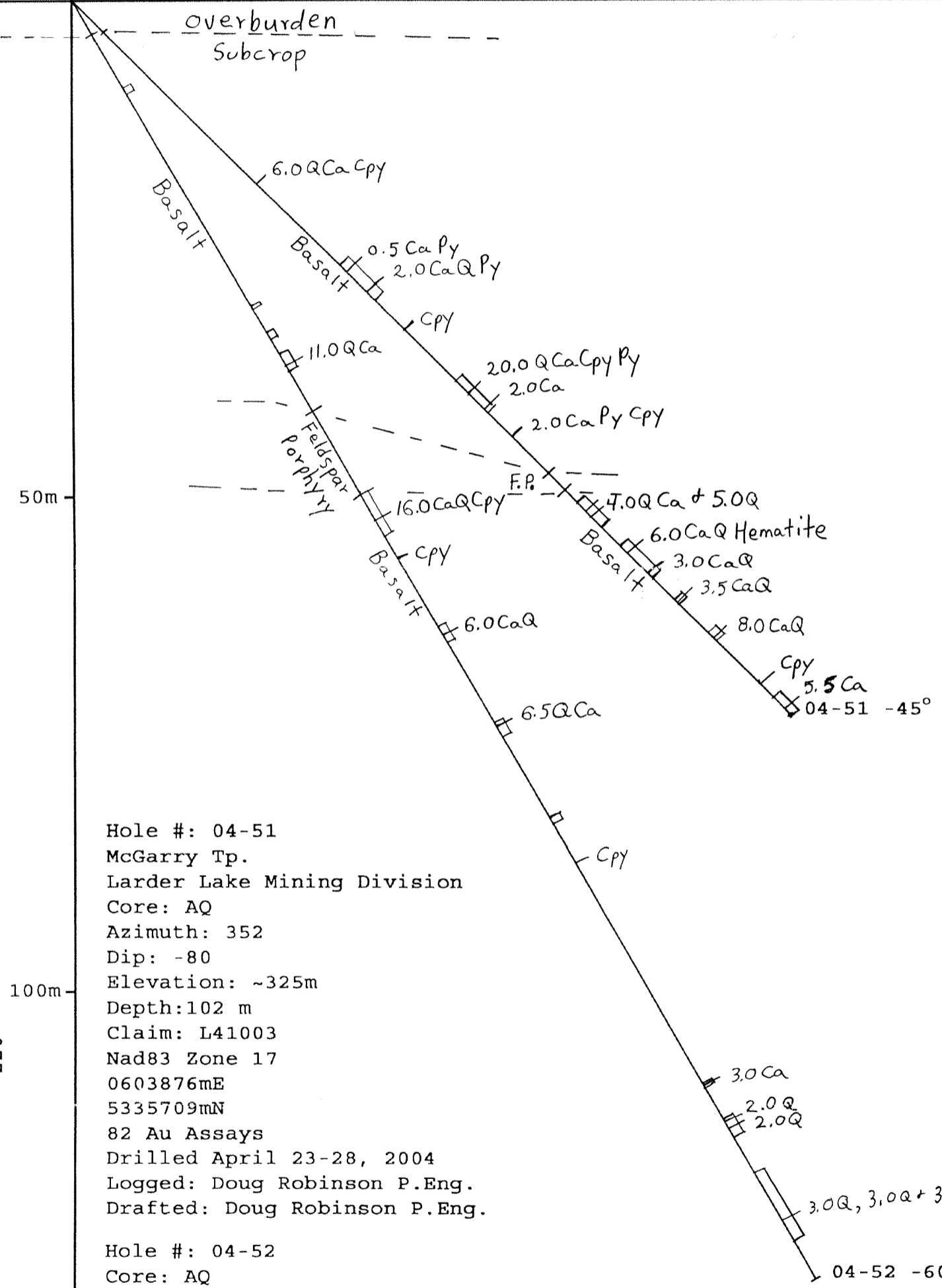
McVITTIE TWP.
McGARRY TWP.

Plan

Section Line:
Azimuth 352°

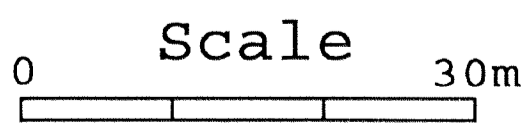


Section



Hole #: 04-51
McGarry Tp.
Larder Lake Mining Division
Core: AQ
Azimuth: 352
Dip: -80
Elevation: ~325m
Depth: 102 m
Claim: L41003
Nad83 Zone 17
0603876mE
5335709mN
82 Au Assays
Drilled April 23-28, 2004
Logged: Doug Robinson P.Eng.
Drafted: Doug Robinson P.Eng.

Hole #: 04-52
Core: AQ
Azimuth: 352
Dip: -80
Elevation: ~325m
Depth: 149 m
Drilled April 28-May 1, 2004



Drill Plan
& Section
04-51 & 52



220
32D04NE2070 2.27596 MCGARRY

Douglas Robinson