

Drill Hole No.: PW-01-97

Depth: 267 feet 88.38 metres

BW casing 0 to 35 ft Pulled

Coordinates: 450 m west and 35 m south
of post # 1 1178388

Core Size: B Thinwall

Inclination: -50°

Township: Mather TWP

Azimuth: NE - 45°

Claim No.: 1178388

Began: July 27, 1997

Contractor: Ultra Mobile Diamond Drilling

Completed: July 30, 1997

Logged By: F. P. Puskas

Purpose: Drill EM Conductor
on old Noranda Geophysical survey

Tests:



52C13SW2001 2.18317 POTTs

010

SUMMARY	Hole No: PW - 01-97	Date:
<p>TEXTURAL DESCRIPTION:</p> <p>Entire hole comprised of vfg compositionally banded rock; bands vary in thickness from one cm to twenty cm; some bands are almost mono-mineralic either biotite or black amphibole (hornblende), these mafic bands alternate with more leucocratic bands.</p> <p>Intensely impregnated by sills of grey, leuco to mesocratic granodiorite/quartz monzonite. Embayed (digested) inclusions and/or septa are present.</p> <p>Calcareous 'patches' with carbonate-megacrystic grass green actinolite-garnet may represent calcareous interbeds.</p>		<p>STRUCTURE:</p> <p>Banding/lamination (ie. bedding) is regular at 310° to 300° TCA to 34.58m and sharp contact at 290° TCA with medium gr., tow mica granodiorite/quartz monzonite. At 38.34m a curved contact between finer grained feldspar glomeroph quartz monzonite and hornblende spotted metased. Contact average 310° TCA. Sediment banding at 040° TCA. Banding (bedding) varies between 040 - 060 to end of hole.</p>
<p>ALTERATION, METALLIC MINERALIZATION:</p> <p>Entire assemblage of sediments is hard and recrystallized. Megacrysts/porphyro blasts of dark amphibole and red garnets (variably distended) are common.</p> <p>Sulphides are dominantly Fe-sulphides (pyrite with worn out patches) as wispy bands and/or matrix filling up to 15% (average 2 - 3%).</p> <p>Sulphides (sphalerite and chalcopyrite) are minor to rare, antipathetic.</p>		<p>COMMENTS:</p> <p>Fine grained silicate facies banded iron formation with minor Fe and Cu-Zn sulphides. Iron formation apparently folded with fold axes between 34.58m and 38.34m. This fold axial zone now occupied by graphic granite textured pegmatitic quartz monzonite with minor disseminated magnetite.</p>

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 0	TO: 10'9"	TEXTURAL DESCRIPTIONS:	STRUCTURE:
LITHOLOGY: Casing		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:
FROM: 10'9"	TO: 10'11"	TEXTURAL DESCRIPTIONS: Micaceous siltsone cut by milky quartz vein, ground core, basal contact at 340° TCA	STRUCTURE:
LITHOLOGY:		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 10'11"	TO: 4.38m	TEXTURAL DESCRIPTIONS: Mafic rich with spotted granular amphibole, minor biotite rich siltstones; dominately feldspar-(para)amphibolites	STRUCTURE: Sharp contact at 4.38m at 310° TCA
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Amphiboles (hornblende and actinolite) may be porphyroblastic, incipient recrystallization (ie. proto-skarn); minor widely spaced garnets; very rare specks of pyrite	COMMENTS:
FROM: 4.38m	TO: 7.56m	TEXTURAL DESCRIPTIONS: Dominantly siltstones with brown biolite-rich (micaceous) 'beds'; minor calcareous 'beds' represented by actinolite-carbonate-garnet	STRUCTURE: Banding/bedding regular at 300° TCA. Recrystallized carbonate-rich 'beds' do exhibit boudinaging with secondary quartz emplacement.
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Megacrystic red garnets locally concentrated	COMMENTS: At 5.1m one siltstone 'band' grades into a biotite rich siltstone with sharp contact with non-micaceous siltstone. Suggests 'tops' down hole.

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 7.56m	TO: 8.18m	TEXTURAL DESCRIPTIONS: Dominantly dense siltstones with minor, conformable feldspathic amphibolitic 'bands' with megacrystic mica.	STRUCTURE: Banding/bedding at 295° TCA
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Interstitial and schlieren of sulphides (py.po) up to 7% over 1cm at 8.18m; 3% at 7.93m to 7.97m; 1-2% at 7.84m to 7.90m; minor po at 7.56m to 7.65m.	COMMENTS: Sample 355409 Au
FROM: 8.18m	TO: 8.28m	TEXTURAL DESCRIPTIONS: Vein milky white, barren.	STRUCTURE: At 8.28m contact at 040° TCA
LITHOLOGY: Quartz		ALTERATION, METALLIC MINERALIZATION:	COMMENTS: Sample 355410 Au

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 8.28m	TO: 8.80m	TEXTURAL DESCRIPTIONS: Dense (foliated) mica-bearing siltstone.	STRUCTURE:
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Disseminated/schlieren of pyrite up to 2-3% 8.43m to 8.49m.	COMMENTS:
FROM: 8.80m	TO: 9.86m	TEXTURAL DESCRIPTIONS: Dense (foliated) mica-bearing siltstone.	STRUCTURE: Pyrite schlieren and 'banding' at 300° TCA
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Widely distributed disseminated and schlieren of pyrite disseminated pyrrhotite up.	COMMENTS: Sample 355411

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 9.86m	TO: 10.77m	TEXTURAL DESCRIPTIONS: Moie mafic megacrystic amphibolite, feldspathic.	STRUCTURE:
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Minor pyrite schlieren 9.86m to 9.95m	COMMENTS:
FROM: 10.77m	TO: 11.64m	TEXTURAL DESCRIPTIONS: Moie mafic megacrystic amphibolite, feldspathic,	STRUCTURE: Banding/bedding at 305° TCA
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Bands from 1cm to 4cm thick with interstitial to schlieren of py with/without po; sulph bands at 10.8, 10.84, 10.9, 10.94 to 10.97, 11.0, 11.07 to 11.11, 11.42 to 11.47, 11.56	COMMENTS: Sample 355412 Au

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 11.64m	TO: 11.87m	TEXTURAL DESCRIPTIONS: Ditto previous, mafic-ultramafic biotite-amphibolite, massive	STRUCTURE: Sharp basal contact at 305° TCA
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: 2% diss. py	COMMENTS:
FROM: 11.87m	TO: 12.68m	TEXTURAL DESCRIPTIONS: Biotite foliated and banded micaceous siltstones - siltstones - feldspathic amphibolites	STRUCTURE: Fault zone (no gouge) 12.12 to 12.17 at 040° TCA. Foliation/banding regular at 305° TCA
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Dissem. And schlieren of pyrite w/wout minor pyrrhotite; 11.87 to 11.92(2-4% py); 12.0 to 12.07(2-4%py plus pyrrhotite); 12.28 to 12.49(7-9%py>po); 12.49 to 12.68(2-5%py-po)	COMMENTS: Sample 355413 Au

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 12.68m	TO: 13.67m	TEXTURAL DESCRIPTIONS: Parallel banded/bedded biotitic siltstones-feldspathic amphibolites with minor calcareous (carbonate-actinolite)	STRUCTURE: Two cm vein of granodior/monzonite at 030° TCA at 12.92
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Recrystallized, sporadic (red) garnets; interstitial to schlienen of py-po through entire section;	COMMENTS:
FROM: 13.67m	TO: 19.50m	TEXTURAL DESCRIPTIONS: More massive banded siltstones; minor calcareous sections (ie interbeds) Minor conformable m.g. quartz monzonite 'veins' at 16.30, 18.64, 18.71, 18.8, 18.88, 18.90, 19.08, 19.10, 19.27	STRUCTURE: Banding/bedding 300° TCA; at 14.5 to 14.6m there are two folds (soft sediment)
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: More massive due to recrystallization (?) Sharp disconformable contact at 19.5m at 340° TCA	COMMENTS:

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 19.5m	TO: 20.75m	TEXTURAL DESCRIPTIONS: M.gr grey two mica quartz monzonite/granodionite; hypidiomorphic granular texture - no fabric; 'ghost' to breccia of earlier, more mafic (biotite-amphibole) phase (note absense of any relict sedimentary fabric)	STRUCTURE: Basal contact is sharp and discordant at 20.75 at 050° TCA.
LITHOLOGY: QMz/Grdt		ALTERATION, METALLIC MINERALIZATION: No observed mineralization; core not lamped for tungsten.	COMMENTS: Upper contact marked by sed inclusions or septa at 19.64 to 19.69 (at 330°) and 19.76 (at 290°)
FROM: 20.75m	TO: 22.37m	TEXTURAL DESCRIPTIONS: Banded moie-mafic-feldspathic facies with interbeds of biotitic silstones, minor calcareous facies represented by silica-carbonate-light green epidote and actinolite-garnets (red)	STRUCTURE: At 20.75m banding at 280° TCA; at 22.06 banding at 310°
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Calcaious facies contain minor disseminated pyrite; Contact zone (see Comments)	COMMENTS: Contact zone from 22.06m to 22.37 contains conformable grdt veins; seds are dense (recrystallized)

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 22.37m	TO: 27.92m	TEXTURAL DESCRIPTIONS: Polyphased with marginal, finer grained, more mafic dioritic phase to 23m - characterized by large feldspars to 2 cm. Coarser grained to near pegmatitic phases occur at 23.1m to 23.65m (contact at 320°), 23.78(contact at 310°) to 24.0(contact at 310°) 24.75(310°) to 24.8; 25.17 to 25.21(contact at 335°TCA) 25.69(contact at 050) to 26.69(contact at 310°); 36.80 (300°) to 26.93(320°); 27.46 to 27.59(contact irregular and veining more massive diorite phase); 27.92(sharp contact at 300° TCA)	STRUCTURE:
LITHOLOGY:		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:
FROM: 27.92m	TO: 29.24m	TEXTURAL DESCRIPTIONS: Questionable rock with relict foliation/banding(minor) very massive, garnet train at 28.66m(at 310° TCA). Basal contact zone from 29.18 to 29.24 appears to coarsen to contact with mig grdt/quartz monzonite	STRUCTURE: Mafics foliated at 290° to 300° TCA
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Apparently recrystallized, megacrystic feldspars up to 1 cm; sporadically identified.	COMMENTS:

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No:
FROM: 29.24m	TO: 31.61m	TEXTURAL DESCRIPTIONS: Med. gr homogenous, hypidiomorphic textured	STRUCTURE: Sharp basal contact at 31.61m at 320°
LITHOLOGY: Grdt/Quartz Monzonite		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:
FROM: 31.61m	TO: 32.05m	TEXTURAL DESCRIPTIONS: Siltstone, faulting parallel to CA; banding at 310° TCA	STRUCTURE: Sharp basal contact at 32.05m at 330° TCA
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Banded and fault remobilized sulphides; 5 to 15% po>py>cpy, few specks of magnetite	COMMENTS: Sample 355414 AuCuZn

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No:
FROM: 32.05m	TO: 32.44m	TEXTURAL DESCRIPTIONS: Med gr, biotite, ditto 29.24m; one coarser gr peg dyke; feldspars saussucitized	STRUCTURE:
LITHOLOGY: Grdt/Quartz Monzonite		ALTERATION, METALLIC MINERALIZATION: Minor dissem po basal contact angled due to faulting, dk biotite lined contact at 290° TCA	COMMENTS:
FROM: 32.44m	TO: 32.66m	TEXTURAL DESCRIPTIONS: Boudinaged-fragmented 10cm wide quartz vein probably in sediment; matrixed by intergranular to massive seams of sulphide; pyrite(crystalline and sooty)>po>cpy 32.54 - 32.66m; biotite siltstone and garnet(distended crystals up to 3 cm) para-amphibolite	STRUCTURE: Boudinaged and faulted contact Distended/boudinaged garnets
LITHOLOGY: Quartz vein (to 32.54m) in sediment		ALTERATION, METALLIC MINERALIZATION: Sulphides(see texture) pyrite>po>cpy with sphalerite (1-2% of total sulphides at 11%. Banding/bedding at 300° TCA	COMMENTS: Sample 355415 AuCuZn

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 32.66m	TO: 34.58m	TEXTURAL DESCRIPTIONS: Very mafic to ultramafic banded sequence comprised of garnetiferous (para) amphibolites, feldspathic garnet-bearing amphibolite	STRUCTURE: Banding at 310° TCA. Sharp basal contact at 34.58 at 290° TCA
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Interstitial ½ cm bands of pyrite-pyrrhotite with minor cpy in vicinity of monzonite dyke at 34m. Sinuous monzonite dyke essentially parallel TCA to 325° (at 34m)	COMMENTS: Megacrysts of dk amphibole average limit in some feldspathic bands and give the unit a spotted appearance.
FROM: 34.58m	TO: 38.34m	TEXTURAL DESCRIPTIONS: Hypidiomorphic texture, med.gr without fabric, two mica(bio and muscovite), irregular contact at 35.0m with pegmatitic graphic texture(quartz-feldspar crystals up to 7cm); sharp contact between peg and underlying m gr textured phase at 36.14m at 050°TCA. 36.14m to 37.4m gr grdt/qtz monz with globs of magnetite; graphic textured pegmatite intrusives at 36.60 to 36.88m, 37.0m to 37.15m 37.4 to 38.34 f-m gr grdt/qtz monz with few feldspar glomeroporpha shrp basal contact at 38.34 to 310° TCA, contact may be faulted.	STRUCTURE:
LITHOLOGY: Grdt/quartz monzonite		ALTERATION, METALLIC MINERALIZATION:	COMMENTS: Basal contact is markedly discordant to sedimentary fabric at 38.34m, contact at 310° TCA, fabric at 045° TCA - this attitude is reverse to that preceding 34.58m and suggests a major fold.

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 38.34m	TO: 43.71m	TEXTURAL DESCRIPTIONS: Very mafic spotted feldspathic (para)amphibolite; compositional bands represented by different proportions of these silicates; bio siltstones are minor. Cut by grdt/qtz monz m gr to graphic textured peg from 39.51m (at 040°) to 40.10m (at 045°), from 40.39m (at 050°) to 41.03(at 040°), 41.45m (at 055°) to 41.74(at 035°)	STRUCTURE: Fabric at 050° TCA
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Poikilitic dk amphiboles to 2mm give spotted appearance	COMMENTS:
FROM: 43.71m	TO: 46.6m	TEXTURAL DESCRIPTIONS: More massive siltstones, biotitic siltstones, minor feldspathic amphibolites	STRUCTURE: Sharp basal contact at 46.6 at 020° TCA fabric at 050°
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Disseminated garnets	COMMENTS:

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 46.6m	TO: 49.32m	TEXTURAL DESCRIPTIONS: M.gr minor graphic textured pegmatites; feldspars average 2mm, shrp basal contact at 49.32 at 040°; graphic texture at 47m	STRUCTURE:
LITHOLOGY: Grdt/Qtz monzonite		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:
FROM: 49.32m	TO: 51.40	TEXTURAL DESCRIPTIONS: Mafic, spotted feldspathic amphibolites, biotitites, biotite-actinolite-garnet	STRUCTURE: Fabric/banding at 050° TCA
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Minor dyking by monzonite at 49.6 to 49.7(average 030° TCA), 49.83 to 49.91(at 025°TCA); 2mm biotitite at basal contact at 51.40 at 305° TCA	COMMENTS:

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 51.40m	TO: 52.71m	TEXTURAL DESCRIPTIONS: Feldspar porphyritic two mica confederate grey hypidiomorphic	STRUCTURE: Sharp conformable basal contact at 52.71m at 060° TCA
LITHOLOGY: Grdt/quartz monzonite		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:
FROM: 52.71m	TO: 63.67m	TEXTURAL DESCRIPTIONS: Mafic, spotted feldspathic para amphibolites, biotitic siltstones, calcareous actinolite-garnet interbeds; c.g. monzonites dykes at 53.46 to 53.53(at 300°TCA), 53.88 - 53.91(at 030°TCA), 54.2 - 54.21(at 015°TCA), 54.77 to 54.82(at 320°), 54.85 to 54.90 (at 030°TCA), 59.15 to 59.22(at 300°TCA)	STRUCTURE: Fabric/banding at 060° TCA. Cut by veins and dykes of grdt/monzonite.
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Dense recrystallized with dessem. garnet; actinolite-carbonate-garnet veins at 56.16 (at 030° TCA) and 56.40 - 56.47 (at 010°TCA), basal contact at 63.67 at 320°TCA	COMMENTS:

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 63.67m	TO: 65.63m	TEXTURAL DESCRIPTIONS: Confederate grey with leucocratic dykes;	STRUCTURE: May contain early f.g. monzonite and/or prograded siltstones.
LITHOLOGY: Grdt/quartz monzonite		ALTERATION, METALLIC MINERALIZATION: Basal contact with feldsparphyrite fg grdt phase at 65.62 at 020°TCA	COMMENTS:
FROM: 65.63m	TO: 66.57m	TEXTURAL DESCRIPTIONS: Massive feldspar porphyritic f.g. phase	STRUCTURE: May contain early f.g. monzonite and/or prograded siltstones. Sharp basal contact at 66.57 at 055° TCA
LITHOLOGY: Grdt/qtz monzonite		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 66.57m	TO: 66.80m	TEXTURAL DESCRIPTIONS: Mafic feldspathic amphibolite with garnets intercalated with mica foliated massive siltstone) or is this f.g.monzonite) from 66.80(contact at 060°)	STRUCTURE: Compositional banding at 060°
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Garnetiferous, poikilitic amphibole	COMMENTS:
FROM: 66.80m	TO: 75.80m	TEXTURAL DESCRIPTIONS: This is the massive, smtms mica foliated feldspar porphyry to glomeroporphyritic f.g. phase	STRUCTURE: Sharp contact at 76.8m at 050°
LITHOLOGY: Grdt/qtz monzonite		ALTERATION, METALLIC MINERALIZATION: Massive, weak foliation to biotite (055°TCA)	COMMENTS:

Hole No. PW-01-97		Date: July 27 - July 30, 1997	Page No.
FROM: 75.80m	TO: 77.07m	TEXTURAL DESCRIPTIONS: glomeroporphyritic f.g. phase Mafic to ultramafic biotite amphibolite intrusion of massive f.g. feldspar porphyry monzonite from 76.31(curved contact averaging 045°CA) to 76.8 (at 045°CA)	STRUCTURE: Sharp contact at 77.07 at 045°
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Minor py plating at 300° TCA and minor dissem py; mafics can exhibit nemato-blastic texturing. Contacts are narrow chloritites.	COMMENTS:
FROM: 77.07m	TO: 81.38m	TEXTURAL DESCRIPTIONS: Ditto previous f.g. phase with sporadic feldspar phenocrysts (2-3mm), weak mica foliation, minor dissem garnets-note glassy pin point epidote (apatite?) EOH	STRUCTURE: Foliation at 040° TCA
LITHOLOGY: Grdt/quartz monzonite		ALTERATION, METALLIC MINERALIZATION: Barren	COMMENTS:

Drill Hole No.: PW-02-97

Depth: ~~3033 meters~~ 91.7 M 303 feet
Overburden--BW casing 0 to 75 ft pulled

Coordinates: 700 m west and 105 m south of
post # 1 1178388

Core Size: B Thinwall

Inclination: -50°

Township: Mather TWP

Azimuth: WEST 270°

Claim No.: 1178388

Began: July 30, 1997

Contractor: Ultra Mobile Diamond Drilling

Completed: August 2, 1997

Logged By: Frank Puskas

Purpose: No known Conductor
Drill hole for geological information only

Tests: 1 Acid Test at 300 feet -47



52C13SW2001 2.18317 POTTS

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Hole No. PW-02-97		Date: July 30 - Aug 2, 1997	Page No.
FROM: 22.36m	TO: 27.28m	TEXTURAL DESCRIPTIONS: Massive homogeneous, hypidiomorphic to weakly pecphyctic, not compositionally banded, weak to variable femag lineation/foliation; two quartz (barren, milky white) veins from 24.72m to 24.80m at 040° section is light confederate grey in colour.	STRUCTURE: Weak to variable femag lineation/foliation @ 020° - 030° TCA; area or zones of jig-saw -fit autobreccia 23.55 to 24.13 dominant angle is 055° subordinate at 290° and 310°. Sharp basal contact with pink feldspar porphyry at 27.28 at 040°.
LITHOLOGY: CASING Grdt/quartz syenite		ALTERATION, METALLIC MINERALIZATION: Soft chloritic & minor diss py matrix to autobreccias; cubic dissem py averages 1-2%, specks of cpy at 25.35, epidote - py zone 26.11 to 26.26 at 015°TCA. Spotted epidote alteration.	COMMENTS:
FROM: 27.28m	TO: 30.58m	TEXTURAL DESCRIPTIONS: Ditto previous, foliated/lineated femags, homogeneous; cut by pink(hematite stained) feldspar rich quartz syenite with spotted epidote; sharp discordant (w.r.t. foliation at 040°) contact at 30.58 (at 335°) with pink f to mgr quartz feldspar syenite.	STRUCTURE:
LITHOLOGY: Grdt/quartz syenite		ALTERATION, METALLIC MINERALIZATION: femag foliation/lineation at 050°, 1% dissem py as cubes; epidote veinlets/joints at 295°, 045 at 29.2 (actually a fault which terminates a 0.5cm pink quartz syen dyke (at 315° TCA)	COMMENTS: Pink feldspar rich quartz syenite dykes at 27.28 (1.5cm) at 040°, 28.69 to 28.76 (two, 1 cm dykes) at 045°, 28.9 to 28.95 at 025°

Hole No. PW-02-97		Date: July 30 - Aug 2, 1997	Page No.
FROM: 36.69m	TO: 37.64m	TEXTURAL DESCRIPTIONS: Pink)hematitic) in cloour, marked variation in degree of crystallinity from f to m gr (typical of prev. entries) earlier phase to coarser grained, later phase - these internal phase contacts are all parallel at 050 - 055° TCA.	STRUCTURE:
LITHOLOGY: Quartz syenite		ALTERATION, METALLIC MINERALIZATION:	COMMENTS: Appears to be polyphased with earlier phase f to m gr.
FROM: 37.64m	TO: 43.01m	TEXTURAL DESCRIPTIONS: Confed grey, emag foliated and/or lineated, more mafic and pyritic phase or inclusion at 39.18 to 39.23 (basal contact at 020°) and 38.23 (at 030°), cut by bifurcating distension emplaced quartz veins at 39.91 (at 40.17 at 290°) and pink quartz syenite at 38.73 to 38.89 (at 330°), 39.91 to 39.93 (at 335°), 41.0 (at 330°)	STRUCTURE: foliation at 025° and much steeper than prev. 2. 2. 3. 1. 7
LITHOLOGY: Grdt		ALTERATION, METALLIC MINERALIZATION: Spotted epidote; 1% dissem cubic py., epidote veining or coated joints at 320°, 275°, 060° are widely spaced except from 42.68m to 42.93 where bleached and jig-saw-fit autobrecciated (dominant fractures at 060°)	COMMENTS: Sharp contact with pink f.g. quartz syenite at 43.01 at 330° TCA.

Hole No. PW-02-97		Date: July 30 - Aug 2, 1997	Page No.:
FROM: 30.58m	TO: 31.35m	TEXTURAL DESCRIPTIONS: Pink (hematitic) f to m gr. Lower or basal contact zone is most significant. This zone from 31.0 to 31.15m is represented by inclusion of foliated grdt and two quartz veins (ie sweats or segregations) at 030 - 035°	STRUCTURE:
LITHOLOGY: Quartz-feldspar syenite		ALTERATION, METALLIC MINERALIZATION: Cut by regular epidote veinlets at 080°. Dominant phyllosilicate is muscovite; 0.5% dissem cubic pyrite.	COMMENTS: Qtz sweats may indicate 'tops' of respective dykes.
FROM: 31.35m	TO: 36.69m	TEXTURAL DESCRIPTIONS: confed grey femag foliated/lineated. Very mafic phases or inclusions can contain up to 10% dissem py. Sharp contact at 36.69 with vcg clotty quartz, pinkish quartz syenite.	STRUCTURE: femag foliation/lineation at 050° Mafic nongarnetiferous inclusions at approx 34.4 (at 050°) and 36.31 to 36.36(at 045°)
LITHOLOGY: Grdt		ALTERATION, METALLIC MINERALIZATION: Dissem cubic py throughout, 1 - 1.5%; dissem epidote spotting and veining	COMMENTS:

Hole No. PW-02-97		Date: July 30 - Aug 2, 1997	Page No.
FROM: 43.01m	TO: 46.37m	TEXTURAL DESCRIPTIONS: The grey foliated grdt have one more mafic inclusion from 45.47 to 45.63 (contact at 060°). Extensively cut by thin veinlets and dykes of pink, fg quartz syenite as follows: 43.01 to 43.18 (025°) with basal chloritite and quartz sweat to 43.28(at 030°);43.87(at 285°) to 44.06 (at 320 to 0 to approx 050° with depth); 44.62 to 44.66(at 030°); 45.2(at 050°) to 45.3(at035°);two veinlets at 45.44m (at 055°)	STRUCTURE:
LITHOLOGY: Grdt/syenite mixture		ALTERATION, METALLIC MINERALIZATION: epidote veining irregularly spaced at 060°; bleached cracked jig-saw-fit autobreccia zone from 44.10 to 44.32 (dominant fracture at 040°) and in syenites from 46.2 to 46.37; dissem py up to 1% (at 42m), 3% (at 43.75m), 2% (at 45.35m), 3-5% with minor cpy (45.65m to 45.8m)	COMMENTS:
FROM: 46.37m	TO: 63.1m	TEXTURAL DESCRIPTIONS: Grey grdt with foliated and/or lineated femage (at 040°); white feldspar phenocrysts may help identify a textural variant; more mafic inclusion at 52.6 to 52.68 anf 52.77, and 55.6 to 55.7 (at 035°)and 55.84(at 055°) and 56.03 (at 035°) and 56.21(at 050° and marginal to quartz vein), and 61.62(at 065° and marginal to quartz vein whose basal cont at 61.76 at 050°) and 63 (at 060 and marginal to quartz vein-basal chloritite syenite contact at 63.1(at 060°)	STRUCTURE: Lineated/foliated femags at 040°, 050° at 53.9m,
LITHOLOGY: Grdt		ALTERATION, METALLIC MINERALIZATION: Epidoteveiningat47.48(080°),47.58(085°),47.69(300°),48.33(310°),48.55(050°),49.32(060°),49.8 to 50.48(shected epi veinlets at 070°),57.71 to 57.93 is epidote chlor jig-saw-fit autobreccia(dominant fractures at 060°),at58.13(045°)58.9 to 59.9 is jig-saw-fit autobreccia, at 59.0 to 59.44 is epidotite. Cellular with pink quartz cavities due to carbonate removal, basal contact at 055°;pyrite is widely distributed-some more specific observations include 2-3%py(59.49 to 59.65), 1% at 59.85, 1-2% at 60.7, 3-5%py 62.63 to62.69,3-5%py 62.88m	COMMENTS: Basal contact at 630m with chloritite contact with qtz vein 2.5cm wide. Cont one f at 050°. Very few pink syenite veins at 54.03(at 070°)

Hole No. PW-02-97		Date: July 30 - Aug 2, 1997	Page No.
FROM: 63.1m	TO: 64.75m	TEXTURAL DESCRIPTIONS: f to m gr pink structureless syenite with a single inclusion or septa of host grdt at each contact. Syenite exhibits hypidiomorphic granular texture.	STRUCTURE: Upper inclusion from 63.17 to 63.36(contacts from 045° to 0°, and lower contact at 050°); lower inclusion from 64.71 to 64.8(at 050°). Basal contact at 050°
LITHOLOGY: Quartz syenite		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:
FROM: 64.75m	TO: 73.71m	TEXTURAL DESCRIPTIONS: Grdt variant exhibiting many features observed in the previous, less schistose variants, obvious more mafic inclusions at 65.1 to 56.18(with 2-3% diss py), and 72 to 72.1(with 2-3% diss py)	STRUCTURE: More pronounced schistose to gneissic fabric at 040°.
LITHOLOGY: Grdt		ALTERATION, METALLIC MINERALIZATION: Dissem py probably throughout: 66.0 to 66.4 averages 3%py, 66.59 has 1-2%py, 67-67.34 has 1-2%py, 67.4 to 67.75 contains 3-5% py, 68 to 68.35 has 1-2% py; epidote veining w/wout carbonate as follows: 66.59(060°), 67.24(040°), 67.47(025° actually a fragment charged mylonite), 68.73 (065°), 69.5(050), 70.1(040), 70.16(fragment brg epi mylonite at 025), 70.27(mylon epi at 020), 71.07(020), 71.35(epi mylon at 320°), 71.5(040),jig-saw-fit autobreccia with bleaching and epidote(72m to 72.25)	COMMENTS: No garnets and not compositionally banded. The grdt has progressively lightened in colour beginning approx 66.46 and increasing with depth (appears more obviously muscovitic)

Hole No. PW-02-97		Date: July 30 - Aug. 2, 1997	Page No.
FROM: 73.71m	TO: 82.25m	TEXTURAL DESCRIPTIONS: A progressively lighter more hemitized variant with strongly epidotized jig-saw-fit autobreccias - such an autobreccia extends from 79.6m to 82.25(fault gouge), intrusions of pink, milky white phenocrystic feldspar porphyry syenites are as follows: 73.71 to 73.86(contact at 040°), 75.43 to 75.45(050°), 76.74 to 77.09 (060°), 77.37 to 77.375m(050), 77.56 to 77.57(040°), 80.1 to 80.2(050)	STRUCTURE: Jig-saw-fit autobreccias have dominant fractures at 030 to 050° with subordinate jnts at 320 to 335
LITHOLOGY: Grdt		ALTERATION, METALLIC MINERALIZATION: The progressive bleaching and epidotization and jig-saw-fit autobrecciation does not carry and sulphide mineralization.	COMMENTS: The jig-saw-fit autobrecciation appears repeated with associated discolouration. Early autobrecciation of host involves darker matrix- which does not cut the porphyritic pink syenites Syenites autobrecciated with quartz matrix which may extend into host. The final jig-saw autobrecciation involves the light green mylonitic epidote.
FROM: 82.25m	TO: 83.7m	TEXTURAL DESCRIPTIONS: Dark grass green, very chloritic fault gouge.	STRUCTURE: Type gouge
LITHOLOGY: Gouge		ALTERATION, METALLIC MINERALIZATION:	COMMENTS: From gouge to EOH is a total absense of re feldspar porphyry syenite.

Hole No. PW-02-97		Date: July 30 - Aug.2, 1997	Page No.
FROM: 83.7m	TO: 83.8m	TEXTURAL DESCRIPTIONS: Angular fragments all chloritic faced; some fragments exhibit a jig-saw-fit angular autobrecciation.	STRUCTURE:
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:
FROM: 83.8m	TO: 84.8m	TEXTURAL DESCRIPTIONS: The precursor lithology is in doubt - unit is more aphanitic, and obviously cut by quartz veins which were then similarly tectonized. Quartz veins appear as bending in chloritic matrix.	STRUCTURE: There is kink banding and crenulations on a mm scale suggestive of a sedimentary precursor(mudstones-siltstones)
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:

Hole No. PW-02-97		Date: July 30 - Aug.2, 1997	Page No.
FROM: 84.8m	TO: 87.91m	TEXTURAL DESCRIPTIONS: Ditto above, more obvious brown red jasper veinlets	STRUCTURE: Some fabric-tectonic or primary at 050°
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:
FROM: 87.91m	TO: 88.42m	TEXTURAL DESCRIPTIONS: Ditto above	STRUCTURE:
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Dissem to patches and schlieren of py up to 7-8%	COMMENTS: Sample 355351 Au

Hole No. PW-02-97		Date: July 30 - Aug.2, 1997	Page No.
FROM: 88.42m	TO: 88.93m	TEXTURAL DESCRIPTIONS: Ditto above	STRUCTURE:
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Ditto above, 5-7% py	COMMENTS: Sample 355352 Au
FROM: 88.93m	TO: 90.15m	TEXTURAL DESCRIPTIONS: Ditto above, a more annealed "greenstone" appearing sediment (ie mudstone); cavernous or pitted due to solution migration. Sharp basal contact at 90.15 at 060°.	STRUCTURE: Chlorite planes at 050°
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Dissem py (up to 1 mm) is sparse.	COMMENTS:

Hole No. PW-02-97		Date: July 30 - Aug.2, 1997	Page No.
FROM: 90.15m	TO: 91.28m	TEXTURAL DESCRIPTIONS: Porphyry pink in hue, almost entire body is an open to tight jig-saw-fit autobreccia.	STRUCTURE: Basal contact lined with epidote and chlorite (ie faulted) at 280°
LITHOLOGY: Feldspar		ALTERATION, METALLIC MINERALIZATION: Dominant epidote(mylonite variety) cuts core at 040°, subordinate trends at 330°; no vis sulphides.	COMMENTS: This unit is prophyritic and not hypidiomorphic as the syenites.
FROM: 91.28m	TO: 91.7m	TEXTURAL DESCRIPTIONS: Dark green "greenstone" of questionable origin - suggest the precursor is a mudstone as at 88.93m	STRUCTURE:
LITHOLOGY: Sediment 91.7 E.O.H.		ALTERATION, METALLIC MINERALIZATION: Probably a deformation fabric at 040°, widely dissem py up to 2mm. Crackled autobreccia with epidote-quartz matrix to 91.7 - dominant fractures at 060 with subordinate at 350°.	COMMENTS:

Drill Hole No.: PW-03-97

Depth: 92.4m - 303 feet

Coordinates: 550 M north and 88m East of
post # 3 1178387

Overburden --BW casing 0 to 50 Pulled

Core Size: B Thinwall Wireline

Inclination: -50°

Township: Potts

Azimuth: EAST 90°

Claim No.: 1178387

Began: August 5, 1997

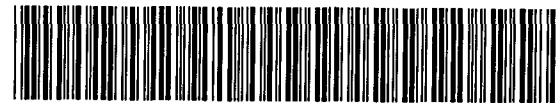
Contractor: Ultra Mobile Diamond Drilling

Completed: August 7, 1997

Logged By: F.P. Puskas

Purpose: To test horizontal loop & vertical loop EM. Conductor
From old Noranda assessment file

Tests: 1 Acid Test at 300 feet -48



52C13SW2001 2.18317 POTTS

030

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM:	TO: 14.68	TEXTURAL DESCRIPTIONS: Massive light grey, hypidiomorphic granular biotite quartz monzonite.	STRUCTURE: Non foliated, sharp discordant contact at 14.68m at 345° TCA
LITHOLOGY: CASING Grdt/Quartz monzonite		ALTERATION, METALLIC MINERALIZATION: Barren	COMMENTS: Contact devoid of micaceous alteration phase.
FROM: 14.68	TO: 15.0	TEXTURAL DESCRIPTIONS: Micaceous(muscoy and bio) siltstone, variable mafic content	STRUCTURE: Mica foliated, compositionally banded at 325° TCA
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Dense, recrystallized. One vein of megacrystic py at 310° TCA at 14.96m	COMMENTS:

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 15.0	TO: 15.66	TEXTURAL DESCRIPTIONS: More mafic rich biotite actolite- garnet feldspar. 15.54 to 15.66 ultramafic actinolite contact phase with grey grdt trending essentially parallel to core axis(TCA). Note contact and vein introduced py>cpy>sphalerite>po	STRUCTURE: See comments; one siliceous (1.5cm) boudin. Sharp basal contact at 15.66 at 325° TCA.
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Sulphides dominantly pyrrolite with minor pyrite 2 occur conformable to banding and in pressure shadow of boudin; sooty remobilized(low reflective) pyrite occurs at 040° TCA (ie near perpendicular to compositional banding). Sulphides in bands up to 1.5cm and 75% occur at 15.0, 15.07 - 15.085, 15.10, 15.16 - 15.17, 15.21,15.24,15.26, 15.3, 15.305, 15.31, 15.32, 15.39 to 15.405, 15.43, 15.44, 15.455; Overall po>sphalerite>chalcepyrite>py	COMMENTS: Zebra striped light and dark green gneissic amphibote; missing basal contact - ground core from 15.48 to 15.54. Sample 355416 Au,Cu,Zn
FROM: 15.66	TO: 17.53	TEXTURAL DESCRIPTIONS: Mafic to ultramafic (chlorite-biotite-actinolite-garnet) para amphibolites	STRUCTURE: Pink garnets up to 2.5cm appear as larger distended(distension planes perpendicular to 055°TCA) garnets appear as elongated 'eyes' in more ultramafic 'band'; banding/bedding at 330° TCA
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Dense recrystallized (ie hornfelsed); disseminated to net textured sulphides (po>cpy-py); local sulphide remobilization indicated by sulphide 'beards' to garnet and actinolite-sulphides into distended garnets; sulphides present to 3-4%	COMMENTS: Sample 355417 AuCuZn Garnets are much smaller in bands less ultramafic in composition

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 17.53	TO: 21.03	TEXTURAL DESCRIPTIONS: Compositionally bonded feldspathic para amphibolite invariably garnetiferous.	STRUCTURE: Sharp disconformable contact at 21.03 at 330°
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Bleached epidote rich bands at 17.53 to 17.59, 19.67 to 19.78 (with minor py-po)	COMMENTS:
FROM: 21.03	TO: 21.4	TEXTURAL DESCRIPTIONS: Bull milky white pquartz vein	STRUCTURE: Sharp contact at 21.4m at 340° TCA
LITHOLOGY: Vein		ALTERATION, METALLIC MINERALIZATION: Barren	COMMENTS: Sample 355418

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 21.4	TO: 27.0	TEXTURAL DESCRIPTIONS: Compositionally banded feldspathic para amphibolites invariably garnetiferous; minor calcareous interfingers rich in carbonate epidote/actinolite-garnet	STRUCTURE:
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Banding/bedding at 320° TCA; planes of pronounced bleaching at 21.85 - 21.90 (at 015°TCA), 24.96 to 25.43(at 010°TCA with minor associated sulphides (py,po)), 25.76 to 25.85(at 330°TCA) 25.93 to 26.03(at 330°TCA), 26.18 to 26.25(at 325°TCA). One bleach vein at 26.25 at 070°TCA with 'core' sphalerite-chalcopyrite.	COMMENTS: Garnets are all small and appear to terminate at 23.2m; cut by bull white qtz vein at 23.97(contact at 350° TCA) to 24.14 (contact at 335° TCA)
FROM: 27.0	TO: 33.29	TEXTURAL DESCRIPTIONS: Compositionally banded, the previously identified (BH PW-01-97) spotted feldspathic amphibolites	STRUCTURE:
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Banding/bedding at 315° TCA; 27.47 to 27.53 is a conformable leuco band with 10% interstitial pyrite.	COMMENTS: No visible garnets.

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 33.29	TO: 34.09	TEXTURAL DESCRIPTIONS: Light grey, two mica (biotite and muscovite) quartz eye monzonite	STRUCTURE: Upper contact unconformable at 33.29m at 020°. Basal contact also unconformable at 34.09m at 040°
LITHOLOGY: Grdt/Quartz monzonite		ALTERATION, METALLIC MINERALIZATION:	COMMENTS: a definite intrusion because the contacts are unconformable and marked by the presence of 0.5cm to 1cm parallel foliated biotite unit.
FROM: 34.09	TO: 40.2	TEXTURAL DESCRIPTIONS: Ditto previous banded dk to grass green spotted feldspathic (para) amphibolites	STRUCTURE: Thin 0.5cm distentionally emplaced monzonite veins at 38.07 to 38.12 (at 330° TCA), 38.3 to 38.42 at 040° and 335°TCA), 38.99 to 39.02 at 325°TCA
LITHOLOGY: Seidments		ALTERATION, METALLIC MINERALIZATION: Banding/bedding regular at 035° to 040°TCA; one cm conformable leucocratic band with interstitial globby sulphides up to 10%(po) in epidote (at 35.95 at 330°TCA).	COMMENTS: No garnets identified.

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 40.2	TO: 40.34	TEXTURAL DESCRIPTIONS: Fine grained, more porphyritic textured, 8 cm wide dyke. Upper contact at 310°TCA; lower contact at 330°TCA.	STRUCTURE: Basal contact 'rolls' from 310° to 330° with depth
LITHOLOGY: Grdt/Quartz monzonite		ALTERATION, METALLIC MINERALIZATION:	COMMENTS: Both contacts have conformable mica facies - a thermal effect.
FROM: 40.34	TO: 40.57	TEXTURAL DESCRIPTIONS: Mica (biotite) 'mudstones' and siltstones	STRUCTURE: Extremely folded (axial planes at 305°TCA); siltstones boudinaged
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Absolutely barren of sulphides.	COMMENTS: Plastic nature of folding suggests soft sediment, but probably later because of presence of dyke.

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 40.57	TO: 43.4	TEXTURAL DESCRIPTIONS: Ditto previous; zebra appearance accentuated by epidotization coincident with leucocratic bands or beds; minor 1 to 1.5cm wide monzonite sills at 41.1 to 41.2 at 325° TCA, at 42.49m at 330° TCA, at 42.73 at 015° TCA, at 43.2 at 345° TCA.	STRUCTURE: Banding/bedding regular at 320° TCA; more biotitic bands are present.
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Conformable bands and autobreccia- appearing bands are matrixed by epidote.	COMMENTS: The narrow 'sills' and dykes are distentionally emplaced and do not have the contact mica zones previously described.
FROM: 43.4	TO: 43.9	TEXTURAL DESCRIPTIONS: Ditto above but garnet-bearing, garnets all small (.4cm) and widely spaced.	STRUCTURE: Banding/bedding is regular at 325° TCA. Sharp basal contact at 43.9m at 320°TCA.
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 43.9	TO: 44.1	TEXTURAL DESCRIPTIONS: Thinly banded/bedded (0.5cm) cherts/porcellanitic siltstones.	STRUCTURE: Bedding at 310°
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Very small widely disseminated sievy garnets; few conformable beds with interstitial sulphides; one 0.5cm epidote-quartz vein at 340°, this vein shows compositional variation with specific beds (ie an alteration/replacement vein)	COMMENTS:
FROM: 44.1	TO: 47.84	TEXTURAL DESCRIPTIONS: Massive, light grey recrystallized siltstones, micaceous siltstones, minor conformable epidote-biotite-actinolite-garnet interbeds.	STRUCTURE:
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Variable pyrite plating at 46.15 at 050°; Bedding/banding regular at 320°TCA. Minor po in garnetiferous interbeds	COMMENTS:

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 47.84	TO: 48.43	TEXTURAL DESCRIPTIONS: Ditto previous, more epidote alteration	STRUCTURE: Banding/bedding at 315° TCA
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Recrystallized and spotted to 'bed'-like replacement by epidote; at 47.84 a 3.5cm epidote Qtz-minor po bed; widely spaced conformable schlieren of po and cpy at 48.16 to 48.23 at 315° TCA, 48.37 to 48.43 at 320° TCA	COMMENTS: Not to be assayed unless subsequent sections assay anomalous.
FROM: 48.43	TO: 49.16	TEXTURAL DESCRIPTIONS: Thinly banded mafic rich darker bands and lighter bands with prominent granular epidote and quartz. Precursor probably siltstones.	STRUCTURE:
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Prominent epidote, pyrite as sievey crystals occur conformable to banding/bedding at 320°TCA, also pyrite occurs as plates or discontinuous trains along veins at 055 to 070°TCA. Pyrite from 3-5% to 5-7%.	COMMENTS: This may be an epidote hole to the underlying Qtz monzonite sill beginning at 49.16m. Sample 48.27m to 49.16m 355419 Au

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 49.16	TO: 49.28	TEXTURAL DESCRIPTIONS: Light grey, med to finer grained hypidiomorphic granular dykes.	STRUCTURE: No fabric. Upper contact at 340°, lower at 320°TCA.
LITHOLOGY: Grdt/quartz monzonite		ALTERATION, METALLIC MINERALIZATION: Minor specks at py-po on upper contact some pyrite crystals extend into dyke.	COMMENTS:
FROM: 49.28	TO: 50.30	TEXTURAL DESCRIPTIONS: Ditto 48.43. Dissem granular epidote gredually decreases at 49.45 but occurs again in strength in beds at 49.90, 50.1	STRUCTURE: Fabric, sulphides at 320° TCA
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Epidotized; sievy py along banding at 325. Sooty py ll remobilized along planes(subparallel to banding) at 335,040°,300° Sulphides, solely sievy pyrite up to 10-15% and dominantly conformable to banding; py crystals appear like cross section of an structural I beam.	COMMENTS: The I beam appearance to sievy pyrite may reflect remobilization; Sample 355420 CuZnAu

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 50.30	TO: 50.69	TEXTURAL DESCRIPTIONS: Thicker banded/bedded siltstones with micaceous facies;	STRUCTURE: Banding is regular at 320° TCA
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Bands or beds 105-2cm contain sulphides (dominantly py with po minor cpy) Secondary pyrite II is sooty and cross-cuts banding at 015°,050°,070°,040°. Pyrite I po and cpy exhibit 'I-beam' appearance.	COMMENTS: This interval may grade up to 0.02% Cu. Sample 355421 CuZnAu
FROM: 50.69	TO: 51.43	TEXTURAL DESCRIPTIONS: Mafic to ultramafic, weakly banded - bedded biotite-amphibolites (former mudstones)	STRUCTURE: Sharp basal contact at 335° TCA
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Sulphides exhibit 'I-beam' appearance due to remobilization of conformable, 5yr. Sedimentary sulphides; remobilized sulphides also as plating as previously mentioned. Total sulphides 15-17% po-py-cpy.	COMMENTS: This interval may grade up to 0.2% Cu. Sample 355422 CuZnAu Chalcopyrite occurs alone or with py.

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 51.43	TO: 51.52	TEXTURAL DESCRIPTIONS: Massive fine to med. grained mica(bio) granodior sill; contacts not identified by (contact) conformable biotites	STRUCTURE:
LITHOLOGY: Grdt/monzonite		ALTERATION, METALLIC MINERALIZATION: Sill is massive; contains 1.5cm zone with dissem po(py)	COMMENTS: Sample 355423 CuZnAu
FROM: 51.52	TO: 51.83	TEXTURAL DESCRIPTIONS: Ditto 50.69	STRUCTURE: Banding-absent except for sulph seams at 325° TCA. Sulphide band(60% py, accessory po) at 51.71 appears gently warped from 90° to 320° to 0° to 305°(downhole). Beddign in underlying siltstone begins at 315°. Sharp basal contact at 320° TCA
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: I-beam appearance to sulphides, with megacrystic pyrite to 2-3cm; purite II as plating at 040°TCA, remobilized cpy can occur in pressure shadows of py or along internal fracture planes, sulphides present include pyI and pyII, po and cpy.	COMMENTS: Sample 355424 CuAuZn

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 51.83	TO: 63.23	<p>TEXTURAL DESCRIPTIONS: Light grey, f to med gr granodior with foliated mica, thermal effects at contacts indicated by development of 0.5cm biotite schist. Intercalated sediments are prevalent.</p> <p>53.09 to 53.22 foliated grdt 53.22 - 53.70 biotite slts. Thinly compositionally banded (at 320°)</p> <p>53.70 - 54.0 foliated granodior</p> <p>54.0 - 54.26 v.f.g. banded biotitic siltstone, some quartz-epidote-actinolite py seams at 330° 54.26 - 54.57 mica foliated (320°) granodior</p> <p>54.57 - 55.10 banded siltstones - biotite slts-with epi-quartz-actionolite interbeds or boudins with introduced po</p>	<p>STRUCTURE: Sedimentary intercalations/inclusions are as follows: 52.15(at 320° to 0° at 52.28 to 045 at 52.285m. At 52.43 contact is at 90° to 0°(see illustration) At 52.73 grdt-slts contact at 90° and at 52.87(330°). Two slts inclusions exist from 52.36 to 53.01(335°TCA) Slts bedding at 320. Basal contact 340°, bedding at 325°. Upper grdt contact at 53.70 at 325°. Mica foliation at 335°, lower contact at 330°. - banding at 330°, sharp basal contact 325°</p>
<p>LITHOLOGY: Grdt/quartz monzonite</p>		<p>ALTERATION, METALLIC MINERALIZATION: 52.15 to 52.51 these siltstones are as epidotized and pyritized as Sample 355417. Py 3-5% -few interstitial textured conformable seams of py -0.5cm conformable biotite schist at 54.57 at 330° to 345° - disconformable w.r.t. banding of underlying siltstones at 325° -banding at 325°</p>	<p>COMMENTS:</p>
FROM:	TO:	<p>TEXTURAL DESCRIPTIONS: 55.10 - 55.69 bio foliated grdt 55.69-57.76 very thinly banded recrystallized siltstones; banding at 320° 57.76 - 58.29 bio foliated (at 320°)granodior</p>	<p>STRUCTURE:</p>

LITHOLOGY:	ALTERATION, METALLIC MINERALIZATION: bio sch upper contact at 330°TCA; py plating at 55.46m at 045°. Irregular basal contact is ess 090° than changes to 345° -thin bio sch basal contact is disconformable at 320° -irregular basal bio sch contact at 330°	COMMENTS:
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Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM:	TO:	TEXTURAL DESCRIPTIONS: 58.29 - 58.76 very thinly banded or laminated siltstones; fabric at 320° TCA 58.76 - 60.22 bio foliated grey granodior; foliation at 320°TCA, py plating at 320° at 60.10m, basal contact and brown bio sch is at 350°TCA, disconform sedimentary fabric is at 315°(ie nearly parallel to bio foliation in grdt) Weak py plating coincident with bio sch 60.22 - 61.49 compositionally banded silts-biosilts-biofofites; bleaching and epidotization from 61.15-61.30 61.49 - 62.26 compositionally banded sediments; slts-bio+actinolite +quartz+garnet(ie mudstones?) 62.26 -63.23 bio foliated(325°)grdt	STRUCTURE: banding at 315°,brown bio sch basal contact at 330° sharp brown bio sch basal contact is disconformable at 330°
LITHOLOGY:		ALTERATION, METALLIC MINERALIZATION: Basal bio rich sch contact is 2cm thick and conformable at 325° Fabric at 320°TCA	COMMENTS: Gradation from leuco(chert) to bio slts(uphole) suggests 'taps' uphole.
FROM: 63.23	TO: 69.09	TEXTURAL DESCRIPTIONS: Confederate greysiltstones and dark green lttl bio-chlor-actin garnet bands(mudstones)	STRUCTURE: Regular fabric at 320°TCA. Upper contact at 310°
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 69.09	TO: 69.8	TEXTURAL DESCRIPTIONS: Confed grey f to m gr grdt,	STRUCTURE:
LITHOLOGY: Grdt/monzonite		ALTERATION, METALLIC MINERALIZATION: py plating at 69.3 at 340° and coincident with brown bio sch basal contact	COMMENTS: contacts are disconformable
FROM: 69.8	TO: 71.25	TEXTURAL DESCRIPTIONS: light grey recrystallized compositionally banded siltstones	STRUCTURE: Fabric/banding at 320°;disconformable basal brown bio sch. contact at 71.25 m at 330°
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 71.25	TO: 71.53	TEXTURAL DESCRIPTIONS: Confed grey f gr to m gr grdt	STRUCTURE: biofoliation at 325°, basal contact at 310°
LITHOLOGY: Grdt		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:
FROM: 71.53	TO: 86.3	TEXTURAL DESCRIPTIONS: Compositionally banded siltstones - garnetiferous + bio + actin (ie mudstones) which may contain sulphides	STRUCTURE: Banding is regular at 315°. Banding at 81.7 at 320°. At 84.10 bedding variation suggests tops uphole due to bedding variation -or is this metamorphically produced(?) -banding at 330°
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: In garnet rich actin at 81.0 to 81.2 sulphides (po+cpy) intergrown and fill boudin contacts of garnets indicative of sulphide remobilization. At 84.02 to 84.11 py plating at 045° At 85.48-85.53 siltstone-actin-quartz calcareous banding joined by remobilized sulph(py-po) At 85.75-85.88 py plating at 050°, 035, 020	COMMENTS: Garnets increase in relative size to 0.75cm Dominantly siltstones.

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 86.3	TO: 86.44	TEXTURAL DESCRIPTIONS: Brown bio rich schist	STRUCTURE: Conform upper contact 86.30 at 340°. Basal contact at 340° Basal contact at 325°
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:
FROM: 86.44	TO: 86.55	TEXTURAL DESCRIPTIONS: In contact with massive pale green chloritite with stellar carbonate	STRUCTURE:
LITHOLOGY: Qtz vein		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:

Hole No. PW-03-97		Date: Aug. 5 - Aug. 7, 1997	Page No.
FROM: 86.55	TO: 90.1	TEXTURAL DESCRIPTIONS: Thickly banded br bio sch, massive (recrystallized) siltstones	STRUCTURE: Basal contact at 325°TCA
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION: Recrystallized py plating at 88.25 (at 050° and banding at 320°), and 88.57 (at 060° and banding at 320°), and 88.92(at 050°,banding at 320°), and 88.98(at 050°,banding at 320°).	COMMENTS:
FROM: 90.1	TO: 92.4	TEXTURAL DESCRIPTIONS: Very thinly banded, homogeneous appearing dense hard siltstone. EOH	STRUCTURE: Fabric at 310°, core cleanly fractures along these planes.
LITHOLOGY: Sediments		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:

Drill Hole No.: PW-04-97

Depth: 44.30m - 146 feet

Coordinates: 550 M north and 60 M east of
post # 3 1178387

Overburden-- BW casing 0 to 65 ft pulled
Core Size: B Thinwall Wireline

Inclination: - 50°

Township: Potts

Azimuth: EAST 90°

Claim No.: 1178387

Began: August 8, 1997

Contractor: Ultra Mobile Diamond Drilling

Completed: August 8, 1997

Logged By: F.P.Puskas

Purpose: To undercut Sulphides in first 2 metres of core in PW-03-97

Tests: No acid tests



52C13SW2001 2.18317 POTTS

040

Hole No. PW-04-97		Date: Aug. 8 - Aug. 8, 1997	Page No.
FROM: 19.42m	TO: 24.57m	TEXTURAL DESCRIPTIONS: Dense mouse grey with epidote pin point spotting, compositionally homogeneous felsic intrusion.	STRUCTURE:
LITHOLOGY: Casing Intrusion		ALTERATION, METALLIC MINERALIZATION: Thin mm streaks, bleached and epidotitic trend parallel at 325° TCA, 2.5cm spacing	COMMENTS: Suggested contact at 24.57 at 330°
FROM: 24.57m	TO: 24.70m	TEXTURAL DESCRIPTIONS: Dense siltstone with pin point red garnets widely disseminated,	STRUCTURE: Sharp basal contact at 325° TCA
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION:	COMMENTS:

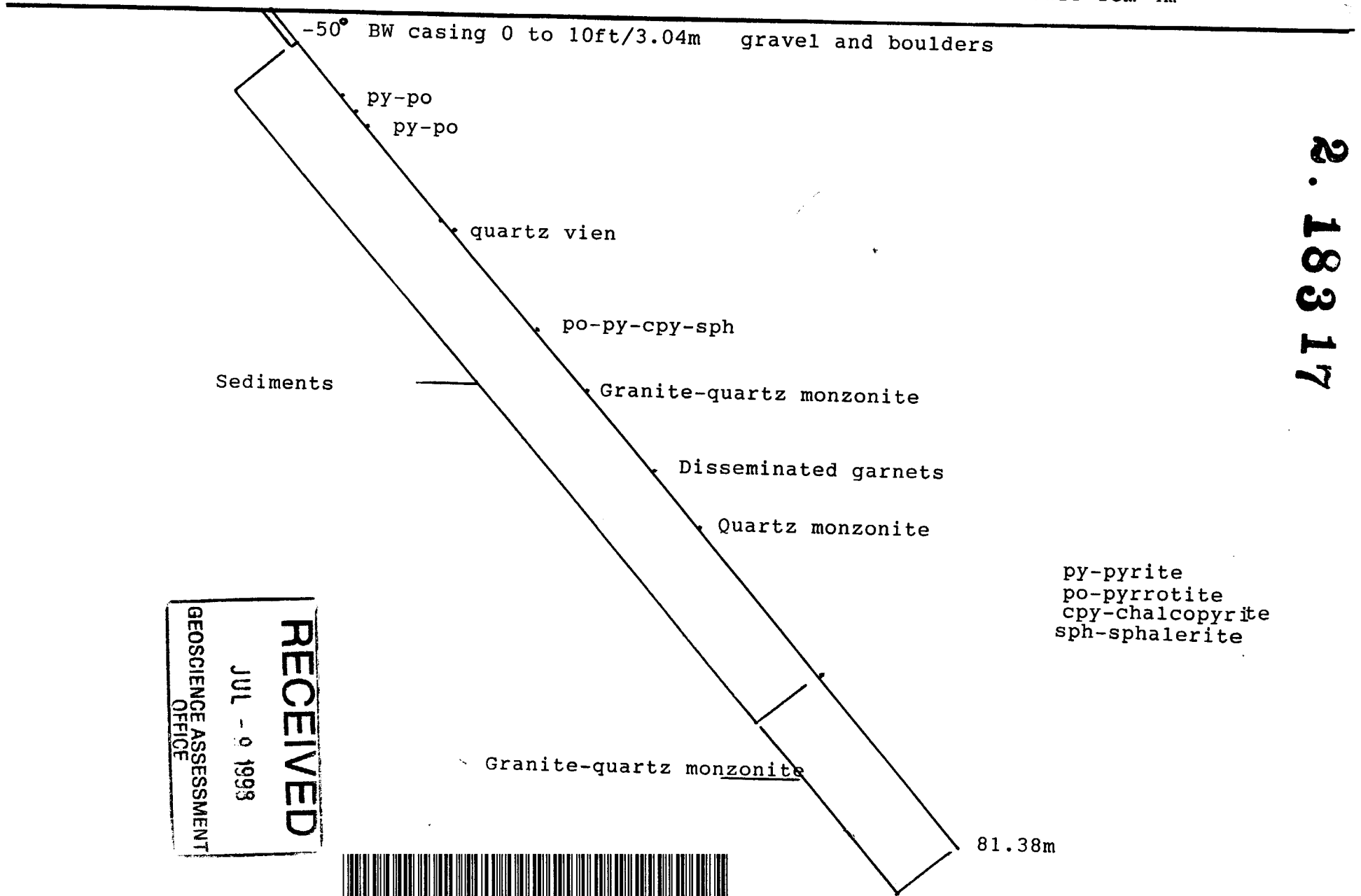
Hole No. PW-04-97		Date: Aug.8 - Aug.8, 1997	Page No.
FROM: 24.70m	TO: 25.1m	TEXTURAL DESCRIPTIONS: Extremely folded with pelitoidal and imbricated boudins of quartzite.	STRUCTURE: Imbricated boudins indicates beds uphole towards collar have moved up w.r.t. downhole beds. Sharp basal contact at 25.1m at 330° TCA
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Numerous folds, fold axial planes at 310° TCA. Sulphides are I-beam-like and not textured with py-po-cpy; total sulphides equals 25-35%.	COMMENTS: Sample 355425 CuZnAu
FROM: 25.1m	TO: 38.41m	TEXTURAL DESCRIPTIONS: Biotite foliation at 335° suggests affinity to f to m gr grdt in BH PW-03-97; homogeneous and not compositionally banded; may exhibit feldspar phenocrysts (3mm) widely spaced.	STRUCTURE: Sharp conformable basal contact at 325° TCA.
LITHOLOGY: Intrusion		ALTERATION, METALLIC MINERALIZATION: Hematitic granite vein at 25.7 to 25.76 at 045°TCA. Epi shears at 29.8 to 30.0 at 065°. Py plating at 30.08 at 325°.	COMMENTS: Possible more mafic inclusions or septa at 30.26 - 30.29

Hole No. PW-04-97		Date: Aug. 8 - Aug. 8, 1997	Page No.
FROM: 38.41m	TO: 38.53m	TEXTURAL DESCRIPTIONS: Dense dark green mafic mudstone with large 1.5cm garnetite beds	STRUCTURE:
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: Two inclusion charged sulphide 'bands' (1 cm and 0.5 cm) parallel each other and garnetite bed. Total sulphides 30-35% po>py subordinate sphalerite.	COMMENTS: Sample 355426 CuZnAu
FROM: 38.53m	TO: 44.50m	TEXTURAL DESCRIPTIONS: Compositionally banded siltstone (with pin point garnets) and dk green actinolite-bio-mudstones (with larger garnets) Large garnets sievy to distended up to 1.5cm. Carbonate interbeds are minor, comprised of actinolite - carbonate and are conformable in attitude. Cut by m to cg qtz monzonite dykes; first begins at 42.78 and snakes down the core to 43.75 (contact approx. 355°); 2cm wide; the second begins at 43.87 (at 340°) snakes down the core to 44.30 (contact at 355°) and is 2 cm wide. EOH	STRUCTURE: Compositional banding at 325°. Compositional banding at 320°.
LITHOLOGY: Sediment		ALTERATION, METALLIC MINERALIZATION: From 39.80 to 39.86 remobilized sulphides (po>py+cpy) occupy distension zones in garnets. Excellent examples. Py plating widely spaced at 40.90m (at 070°) and 41.13m (at 060°). Reticulate bleaching from 40.90 to 41.0. Conformable carbonate with minor sulph (po>py>cpy)) at 41.22m.	COMMENTS: Garnets end at approx. 40.70m

Drill Hole PW 01-97

BW casing 0 to 10ft/ 3.04m -- Foot of hole 267ft/81.38m
Inclination -50° -- Drilling -45° North East -- Mather Twp
450m west and 35m south of post #1 1178388

Scale 1cm=4m



2.18317

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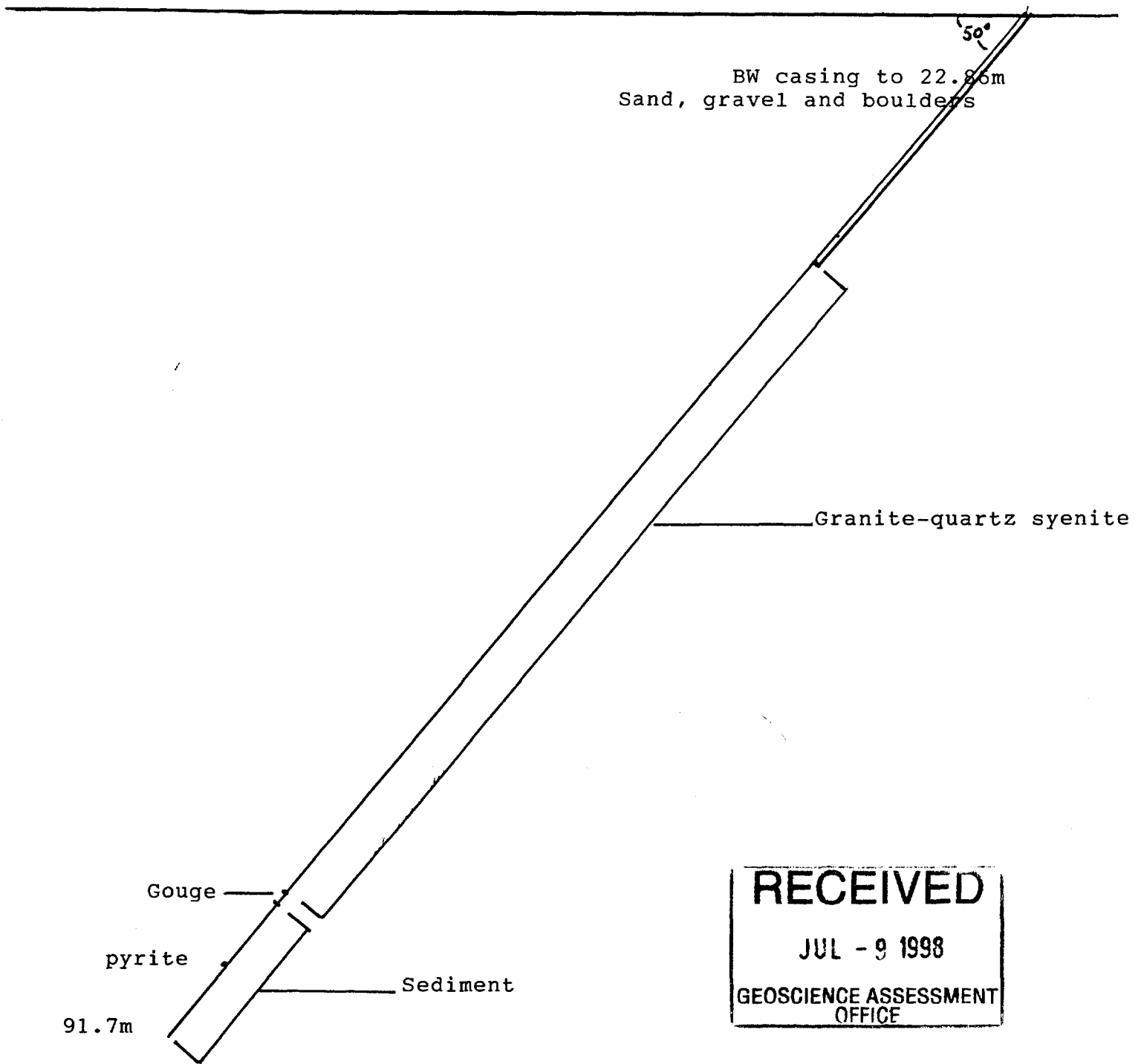


52C13SW2001 2.18317 POTTS 050

Drill Hole
PW 02-97

BW casing 0 to 75ft/22.86m--Foot of hole 303ft--91.7m
Inclination -50°-- Drilling west 270°--Mather Twp
700m west and 105m south of post # 1 1178388

Scale 1cm=4m



Drill Hole

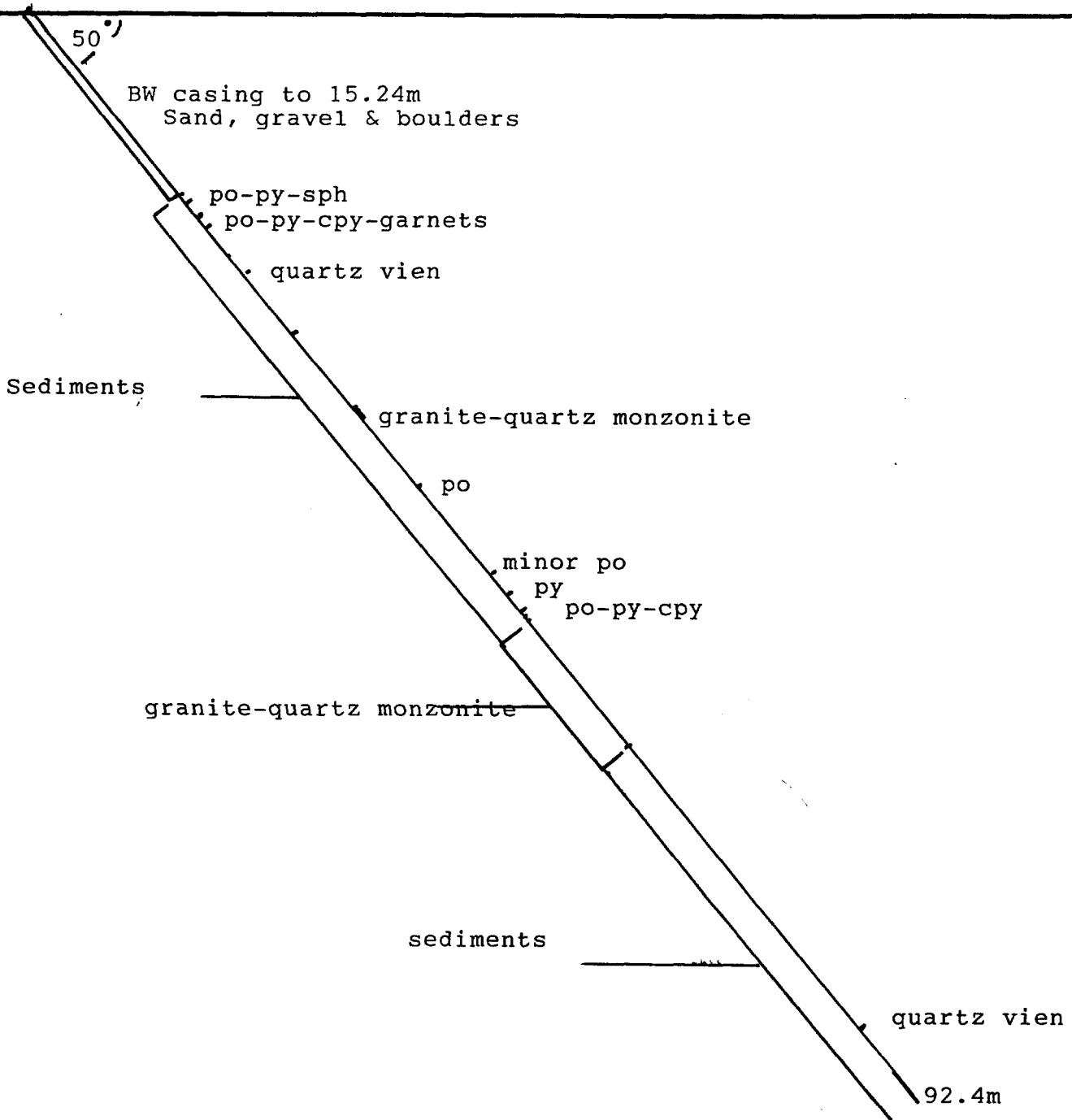
PW 03-97 BW casing 50ft/15.24 m Foot of hole 303ft--92.4m

Inclination -50° drilling east 90°--Potts Twp

550m north and 88m east of post #3 1178387

Acid test at 300ft -48°

Scale 1cm = 4m

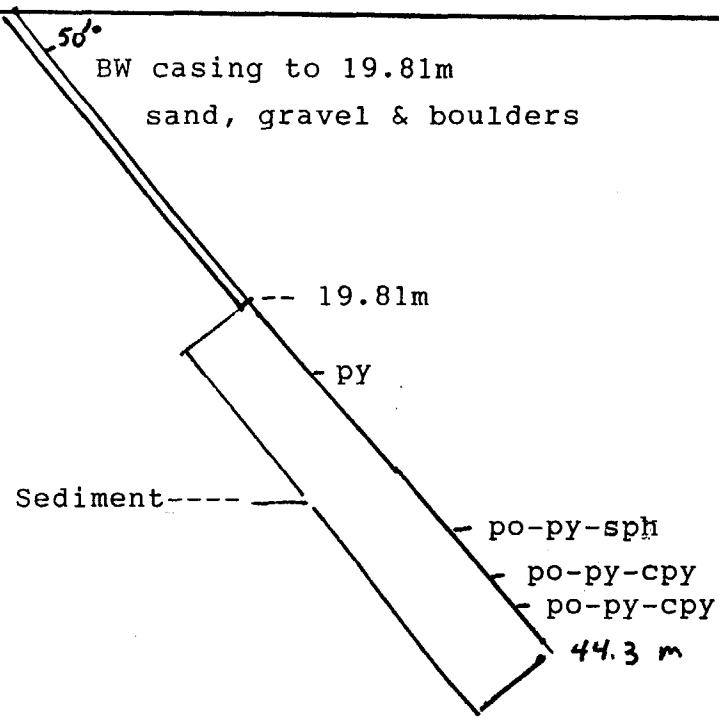


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PW 04-97

BW casing 0 to 65ft/19.81m -- Foot of hole 146ft--44.30m
Inclination -50 -- Drilling east 90 -- Potts twp
550m north and 60m east of post # 3 1178387

Scale 1cm = 4m



po--pyrrotite
py--pyrite
cpy--chalcopyrite
sph--sphalerite

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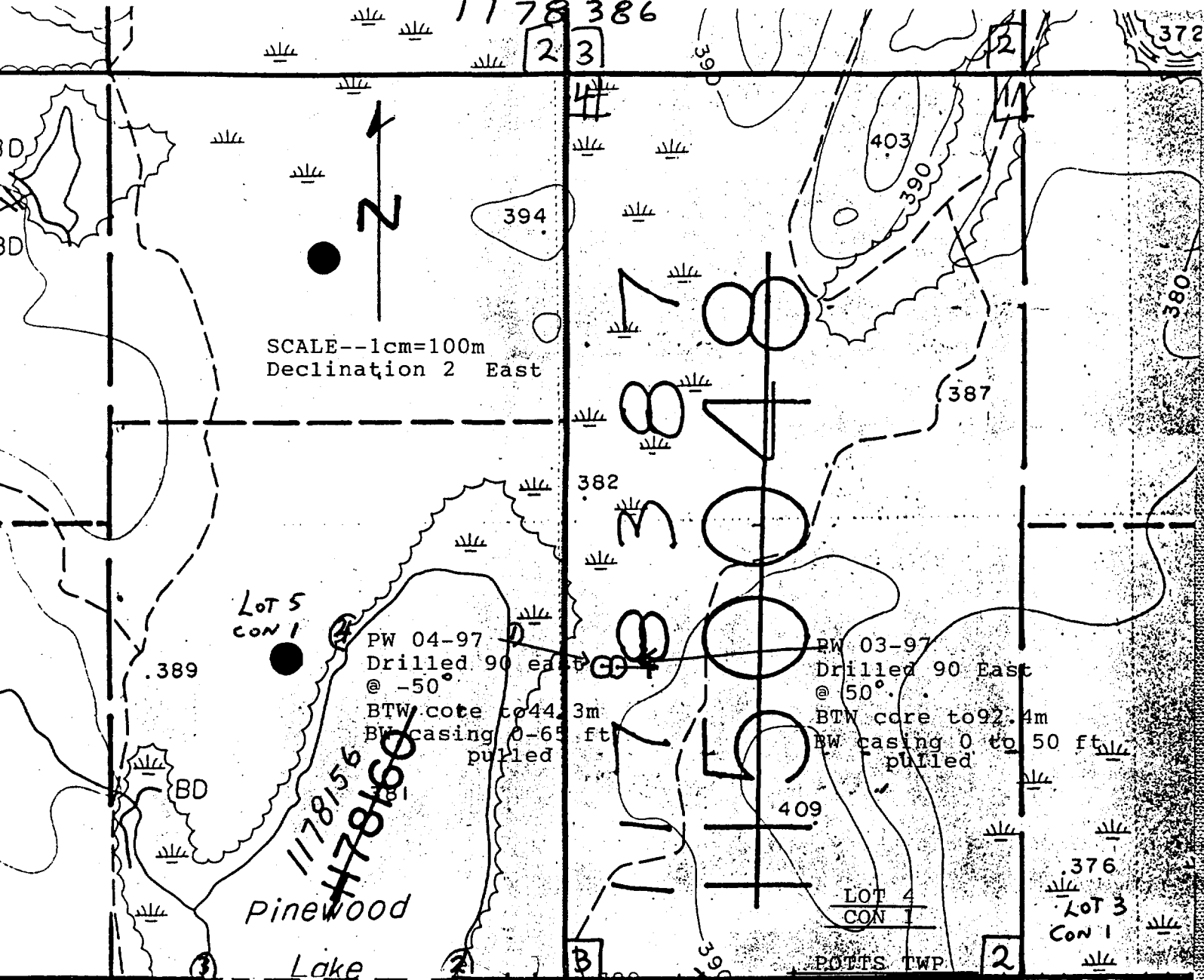
1178386

23

372



SCALE--1cm=100m
Declination 2 East



Lot 5
CON I

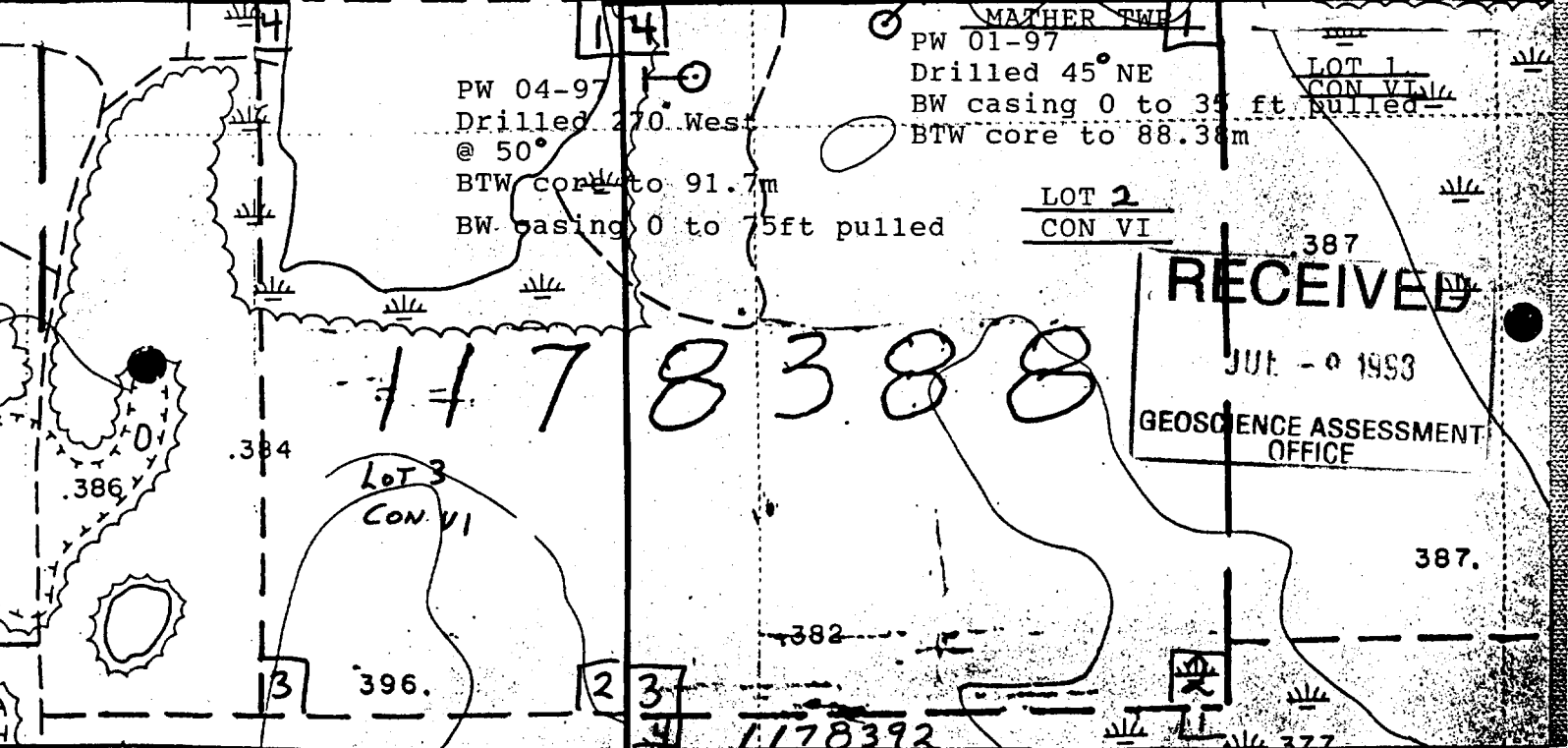
PW 04-97
Drilled 90 east
@ -50
BTW core to 44.3m
BW casing 0-65 ft
pulled

PW 03-97
Drilled 90 East
@ 50
BTW core to 92.4m
BW casing 0 to 50 ft
pulled

LOT 4
CON I

Lot 3
CON I

POTTS TWP



PW 04-97
Drilled 270 West
@ 50
BTW core to 91.7m
BW casing 0 to 75ft pulled

MATHER TWP
PW 01-97
Drilled 45° NE
BW casing 0 to 35 ft pulled
BTW core to 88.38m

LOT 2
CON VI

LOT 1
CON VI

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OFFICE

Lot 3
CON VI

1178392

387

377



Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W-9810-00053 Assessment Files Research Imaging



52C13SW2001 2.18317 POTTS

900

ity of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the d to review the assessment work and correspond with the mining land holder. ing Recorder, Ministry of Northern Development and Mines, 6th Floor,

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Form with fields for Name, Address, Client Number, Telephone Number, Fax Number for Glenn Allen and Previous Address.

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs) [X] Physical drilling, stripping, trenching and associated assays [] Rehabilitation

Form with fields for Work Type (Diamond Drilling), Office Use, Dates Work Performed, NTS Reference, Mining Division, Resident Geologist District.

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Form with fields for Name, Address, Telephone Number, Fax Number for Frank Puskas, and RECEIVED/RECORDED stamps.

4. Certification by Recorded Holder or Agent

I, Glenn Allen, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Form with fields for Signature of Recorded Holder or Agent (Glenn Allen), Date (Feb. 8, 98), Agent's Address, Telephone Number, Fax Number.

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjacent) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W. 98#2.00053

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 1178386	8	0	6400 ✓	0	
2 1178387	8	10,887.37 ✓	6400	4,487.37 ✓	
3 1178388	6	8,726.06 ✓	4800	3912.63 ✓	13.43 ✓
4 1178392	2	0	1600 ✓	0	
5 1178156	1	0	400 ✓	0	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		19,613.43 ✓	19,600.00		13.43 ✓

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2:45 PM
MAR - 6 1998
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I, Glenn Allen, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing Glenn Allen Date Feb. 8, 1998

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Diamond Drilling	309.78	\$56.00 per M	17,330.32
Associated Costs (e.g. supplies, mobilization and demobilization).			
Mob and Demob Drill and Crew from Nestor Falls			1,000.00
Transportation Costs			
Food and Lodging Costs			
GST			1,283.12
Total Value of Assessment Work			19,613.44

RECORDED
MAR - 6 1993

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2:45 PM
MAR - 6 1993
GEOSCIENCE ASSESSMENT OFFICE

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Glenn Allen (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Recorded Holder I am authorized (recorded holder, agent, or state company position with signing authority) to make this certification.

Glenn Allen

Signature	Date
-----------	------

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

July 17, 1998

GLENN DOUGLAS ALLEN
505 CITADEL TERRACE N.W.
CALGARY, ALBERTA
T3G-3X3

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.18317

Status

Subject: Transaction Number(s): W9810.00053 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at benetest@epo.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.18317

Date Correspondence Sent: July 17, 1998

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9810.00053	1178387	POTTS, MATHER	Approval After Notice	July 11, 1998

Section:

16 Drilling PDRILL

All deficiencies associated with this submission have been corrected. Accordingly, assessment work credit has been approved as outlined on the Report of Work form accompanying this submission.

Correspondence to:

Resident Geologist
Kenora, ON

Recorded Holder(s) and/or Agent(s):

Frank Puskas
LIVELY, ONTARIO

Assessment Files Library
Sudbury, ON

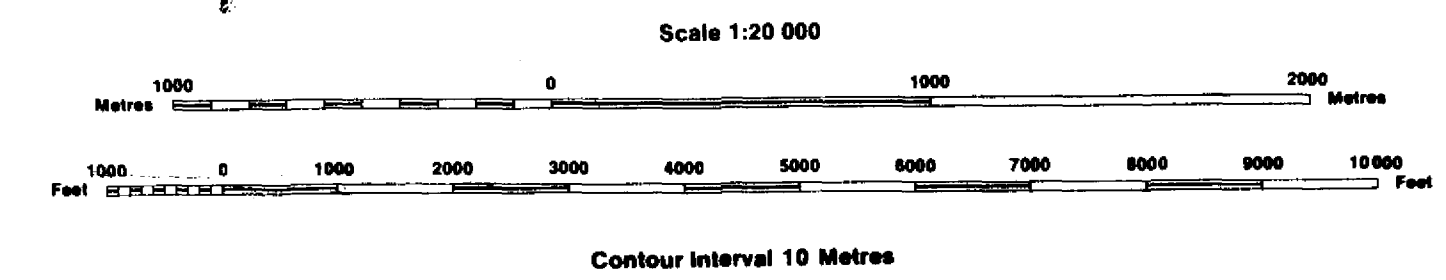
GLENN DOUGLAS ALLEN
CALGARY, ALBERTA

INDEX TO LAND DISPOSITION

PLAN
G-3826
TOWNSHIP
POTTS

SERVICE DATE
FEB 28 1998

M.N.R. ADMINISTRATIVE DISTRICT
FORT FRANCES
MINING DIVISION
KENORA
LAND TITLES/REGISTRY DIVISION
RAINY RIVER



AREAS WITHDRAWN FROM DISPOSITION

Description	Order No.	Date	Disposition	File
M.N.R. RESERVE				89/58
SECTION 35 W-K-24/97	24/10/97	M+S	1951/50	
SECTION 34 W-K-25/97	20/10/97	M+S	1951/50	
SEC.35	O-K-9/98	03/30/98	M+S	1951/50

SYMBOLS

- Boundary
- Township, Meridian, Baseline
- Road allowance: surveyed
- shoreline
- Lot/Concession: surveyed
- unsurveyed
- Parcel: surveyed
- unsurveyed
- Right-of-way: road
- railway
- utility
- Reservation
- Cliff, Pit, Pile
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway: single track
- double track
- abandoned
- Road: highway, county, township
- access
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DISPOSITION OF CROWN LANDS

- Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Licence of Occupation
- Order-in-Council
- Cancelled
- Reservation
- Sand & Gravel

DATE OF ISSUE

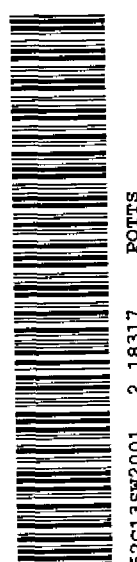
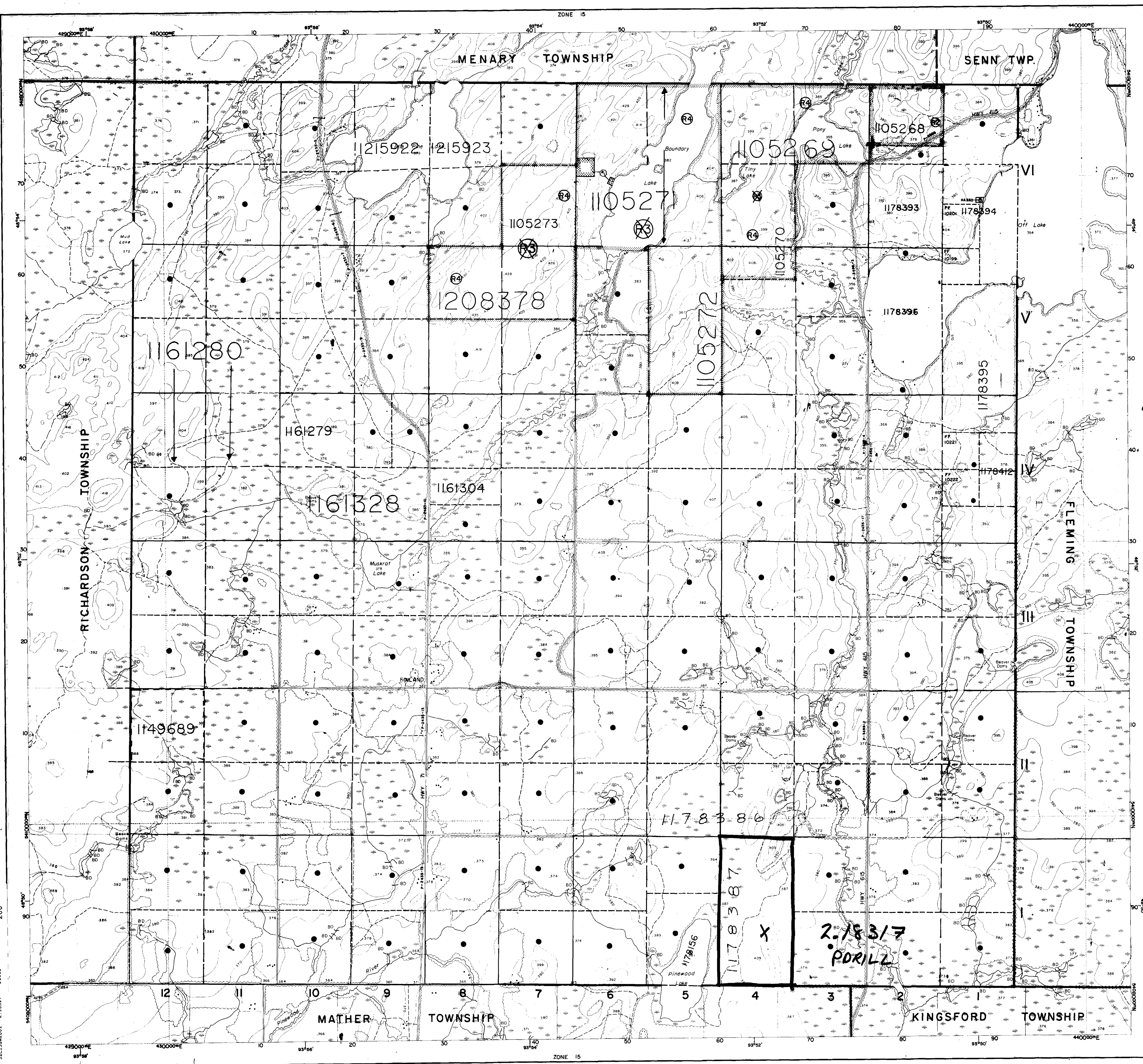
MAY 21 1998

PROVINCIAL RECORDING
OFFICE - SUDBURY

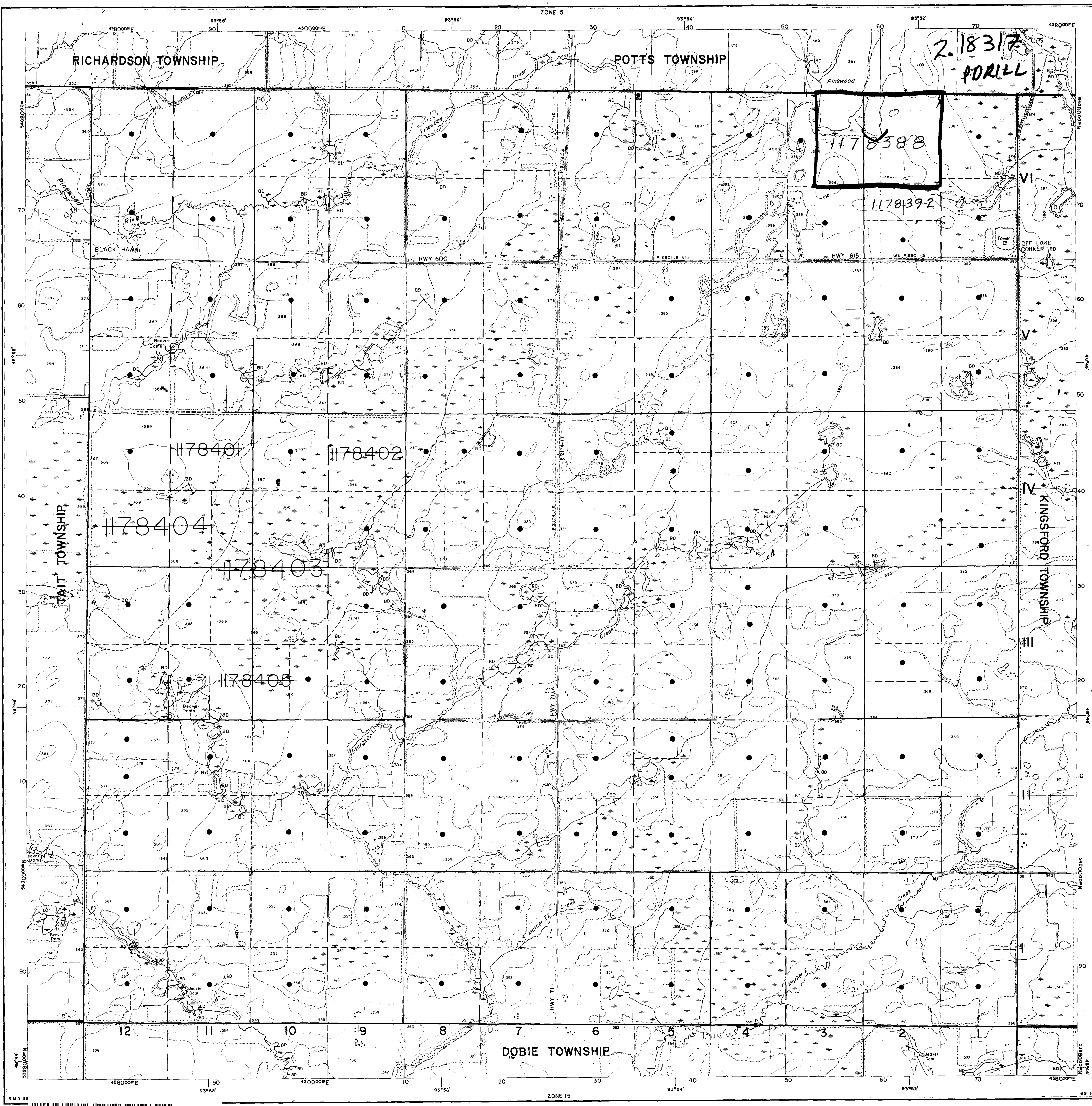
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

Map base and land disposition drafted by Surveys and Mapping Branch, Ministry of Natural Resources.

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.



200
52C13826001 2-18317

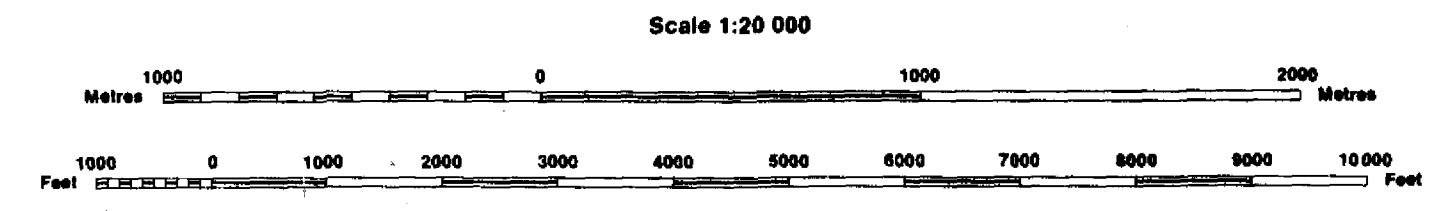


PLAN
 G-3814
 TOWNSHIP
MATHER

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

M.N.R. ADMINISTRATIVE DISTRICT
FORT FRANCES
 MINING DIVISION
KENORA
 LAND TITLES/REGISTRY DIVISION
RAINY RIVER

THIS MYLAR PUT INTO SERVICE
 EFFECTIVE MARCH 30, 1998.



Scale 1:20 000

Contour Interval 10 Metres

AREAS WITHDRAWN FROM DISPOSITION

- MRO - Mining Rights Only
- SRO - Surface Rights Only
- M + S - Mining and Surface Rights

Description Order No. Date Disposition File

SYMBOLS

- Boundary
 - Township, Meridian, Baseline
- Road allowance: surveyed, shoreline
- Lot/Concession: surveyed, unsurveyed
- Parcel: surveyed, unsurveyed
- Right-of-way: road, railway, utility
- Reservation
- Cliff, Pit, Pile
- Contour
 - Interpolated
 - Approximate
 - Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway: single track, double track, abandoned
- Road: highway, county, township, access, trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DISPOSITION OF CROWN LANDS

- Patent
 - Surface & Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Lease
 - Surface & Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Licence of Occupation
- Order-in-Council
- Cancelled
- Reservation
- Sand & Gravel

DATE OF ISSUE

MAY 21 1998
 PROVINCIAL RECORDING
 OFFICE - SUDBURY

