

MURPHY TWP.

Claim on which drilling was done

Claims to be renewed

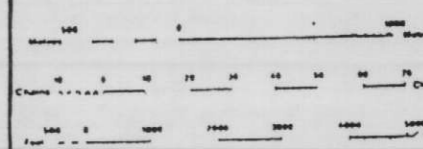
LEGEND

- HIGHWAY AND ROUTE NO.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKIEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
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	○
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1912, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 300, SEC. 62, SUBSEC. 1.



SCALE 1:20 000
GRID ZONE 17

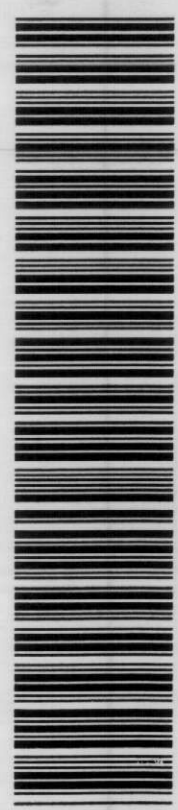
NOTES

REGISTERED PLAN OF SUBDIVISION

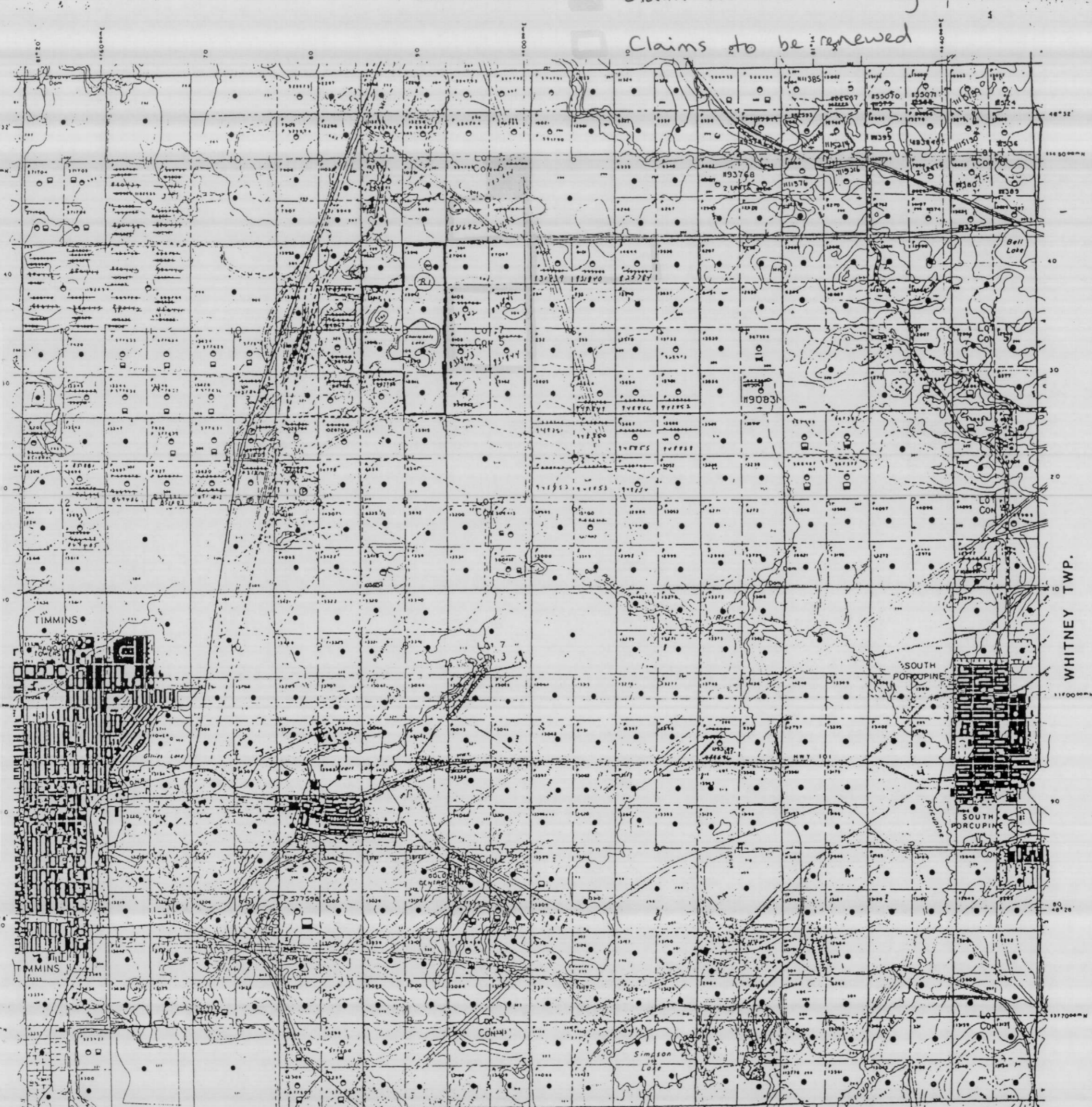
ISSUED
FEB 15 1994
PORCUPINE MINING DIVISION

TOWNSHIP
TISDALE
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

010



42A11SW0142 W9660.00532 TISDALE



PENTLAND FIRTH VENTURES LTD.

Timmins ONTARIO

Tisdale Project
LOCATION PLAN MAP
HOLE PHT 01
Tisdale Township

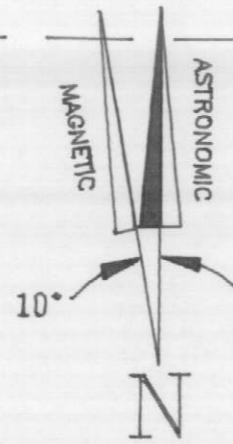
DRAWN A.H.R. DATE SEPT. 13/96

MAP No.

DWG. No. HERSEYB



SCALE: 1 : 5000



EOH 300m

275m

PHT 01
-45° Dip

200m

P831694

CON. VI

Pond

POWERLINE AND ACCESS ROAD

Pond

P831692

P831693

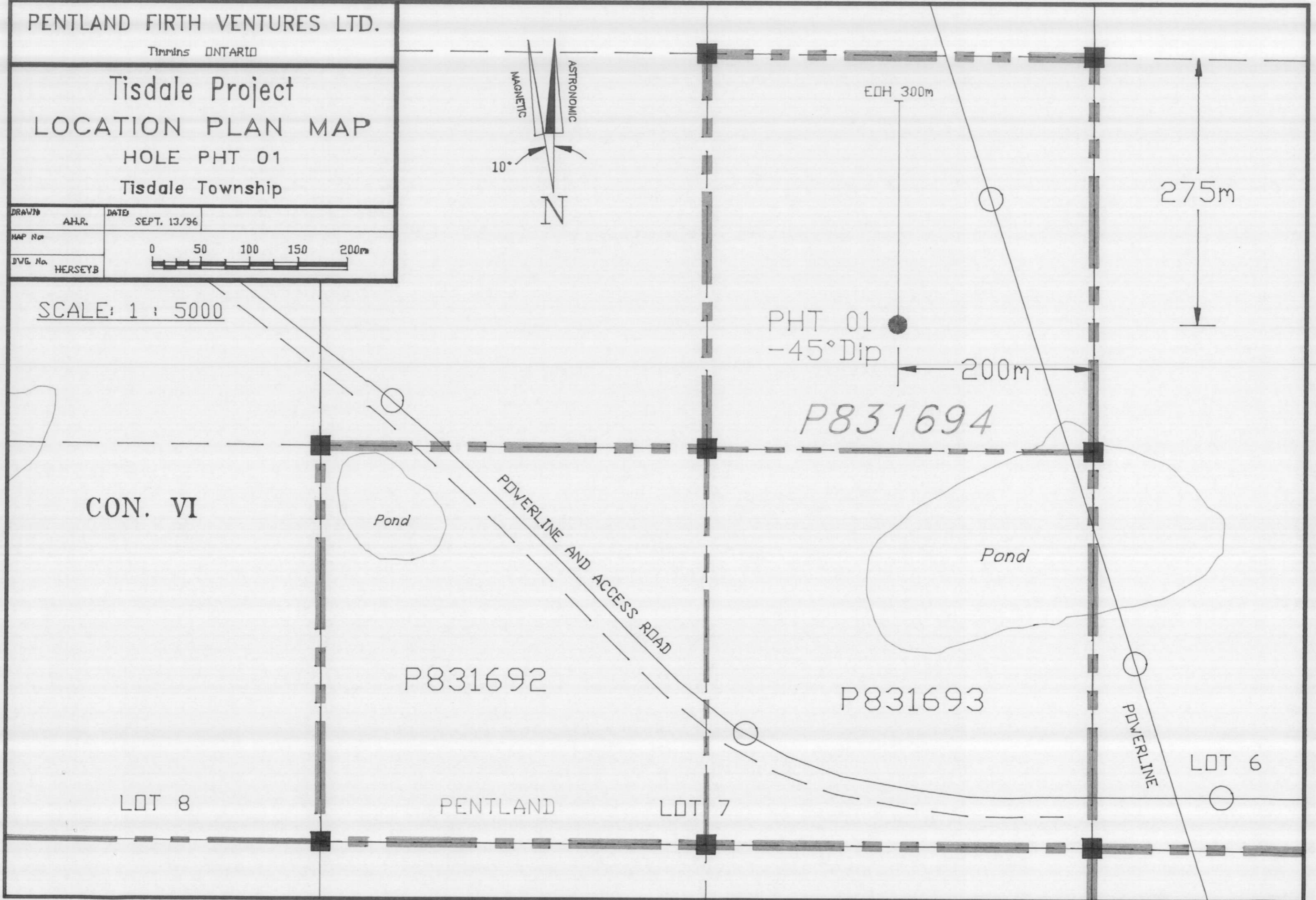
POWERLINE

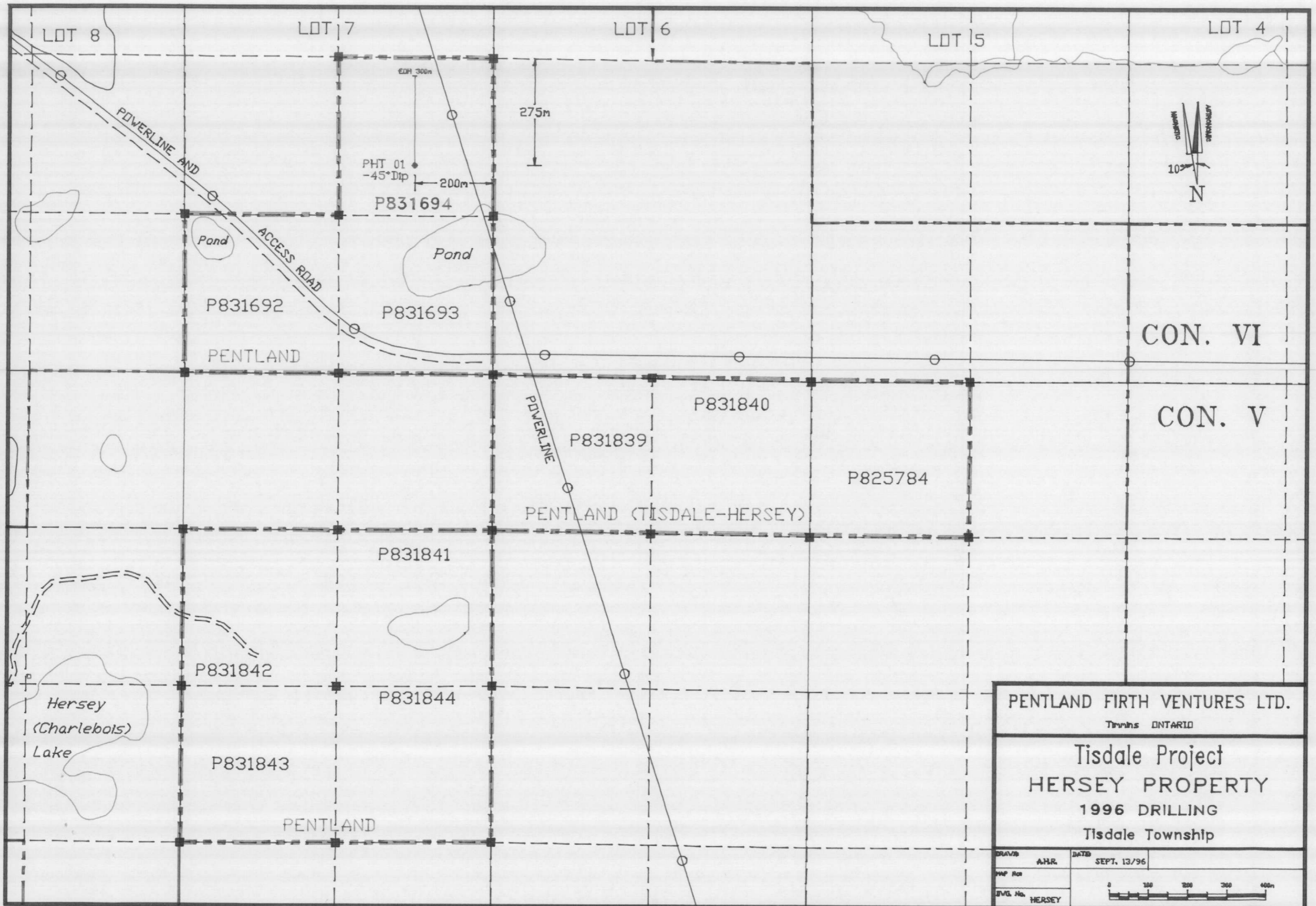
LOT 6

LOT 8

PENTLAND

LOT 7

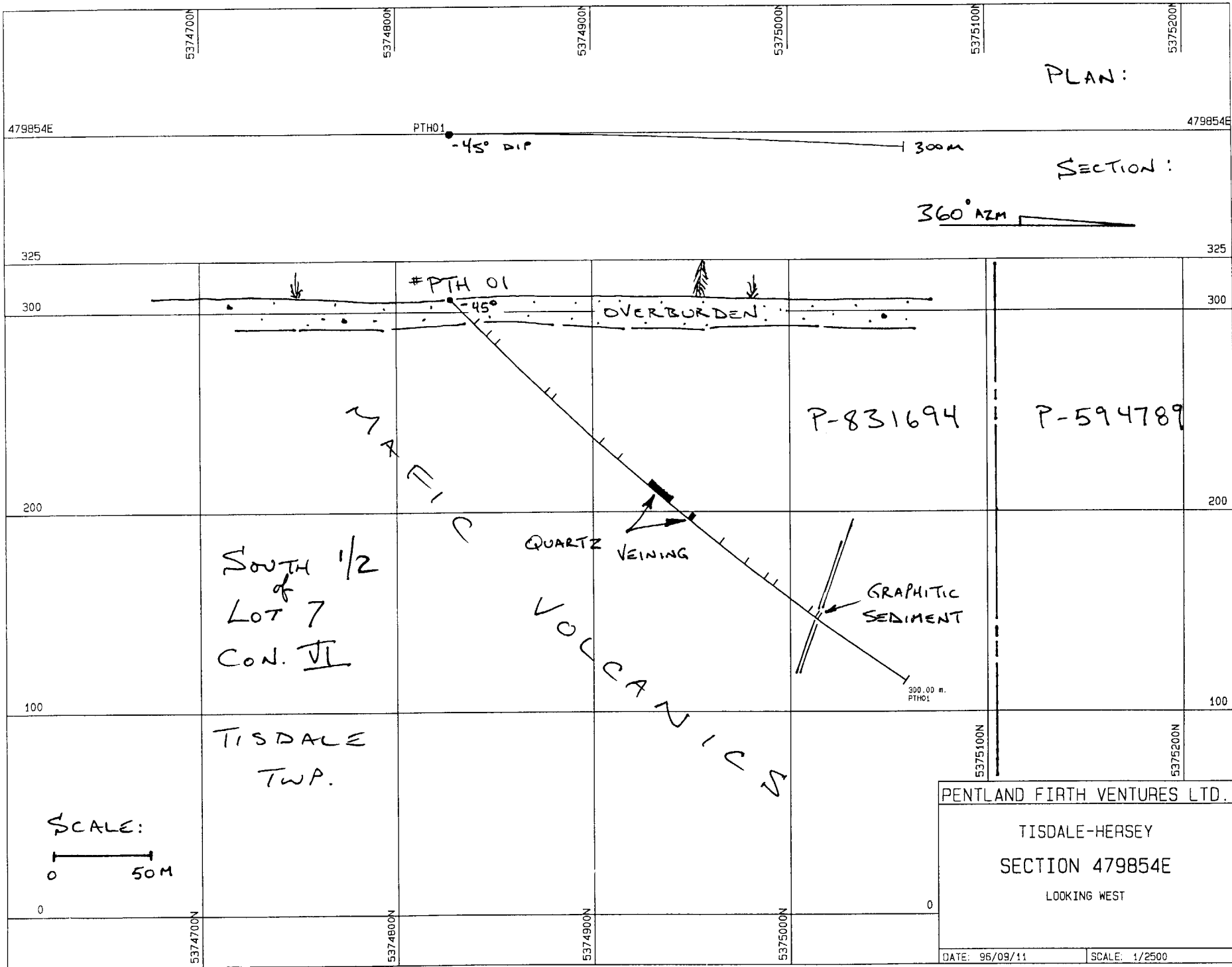




DRAWN		DATE	
AHR		SEPT. 13/96	
APP. FOR		SHEET No.	
HERSEY		1	

PENTLAND FIRTH VENTURES LTD.
 Timmins ONTARIO

Tisdale Project
HERSEY PROPERTY
 1996 DRILLING
 Tisdale Township



PLAN:

SECTION:

360° AZM

PTH01
-45° DIP

300m

PTH 01
-45°

OVERBURDEN

MAYFIELD

QUARTZ VEINING

VOLCANIC

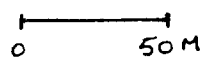
GRAPHITIC SEDIMENT

300.00 m.
PTH01

SOUTH 1/2
of
LOT 7
CON. VI

TISDALE
TWP.

SCALE:



PENTLAND FIRTH VENTURES LTD.

TISDALE-HERSEY
SECTION 479854E

LOOKING WEST

DATE: 96/09/11

SCALE: 1/2500

Property: TISDALE PROJECT: HERSEY
 EASTING: 479854.0
 NORTHING: 5374828.0
 Elevation: 306.000
 Grid: OVERGROWN
 Collar Azi.: 360
 Collar Dip: -45
 Local Ref: \RF
 Hole Length: 300.0 metres
 Print Date: 11 Sep, 1996

DRILL HOLE RECORD

*** Sperry Sun Tests ***



Depth Azi. Dip

50 1 -44
 100 1 -42
 150 2 -39
 200 2 -38
 250 3 -35
 300 3 -33

Drill Hole: PTH01
 Township: Tisdale
 Claim #: P-831694
 Date Started: SEPT 3, 1996
 Completed: SEPT 6, 1996
 Logged by: P. CALDBICK
 Date(s) Logged: SEPT 6-10, 1996
 Drilled by: BRADLEY BROS.
 Core Size: BQ
 Company: PFVL

Purpose: Collar located 200m West and 275m South of the No. 1 post. Core stored at Marlhill Mine, Timmins.
 Hole Condition: CASING REMAINS, MARKED WITH 2X2 STAKE
 Comments: TO TEST THE WESTERN PROJECTION OF THE NEW MINES TREND

Data Collected

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	AU (gpt)	AURE (gpt)	AUREJ (gpt)	AUAV (gpt)
.0	17.0		OVERBURDEN									
17.0	25.5		LEUCOXENE BEARING MAFIC VOLCANIC LITHOLOGY: light green fine grained weakly foliated massive leucoxene phyric basalt with scattered fractures. Unit possesses rare fractures infilled with graphite. ALTERATION: chloritic, sericitic and speckled with leucoxene flakes, rare patches of graphite. STRUCTURE: weakly foliated with foliation at 60 degrees to the core axis, massive well indurated core with scattered fractures and localized vuggy sections MINERALIZATION: trace amounts of sulphide.									
25.5	31.5		PILLOWED MAFIC VOLCANIC FLOW	K63078	26.3	27.0	.7	2.0				

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	AU (gpt)	AURE (gpt)	AUREJ (gpt)	AUAV (gpt)	
			<p>LITHOLOGY: light green fine grained weakly foliated pillowed flow POSSESSING dark grey carbonaceous and graphitic selvages ORIENTED at 60 degrees to the core axis with tops to the south, unit further possesses numerous fractures infilled with chlorite.</p> <p>ALTERATION: chloritic, sericitic slightly graphitic with localized carbonaceous, calcareous selvages.</p> <p>STRUCTURE: weakly foliated with foliation at 60 degrees to the core axis.</p> <p>MINERALIZATION: 0.2-0.5% disseminated and massive pyrite localized at fracture fillings.</p> <p>26.3 27.0 Numerous fractures infilled with 1-2% disseminated and massive pyrite. 27.0 27.9 Trace amounts of sulphide, localized carbonaceous and graphitic selvage 27.9 28.3 Bracket sample, trace amounts of sulphide. 28.3 29.0 30 cm barren milky with quartz-calcite vein at 25 degrees to the core axis with trace pyrite. 30.7 31.2 4 cm quartz-calcite-chlorite vein perpendicular to core axis with trace pyrite.</p>	<p>K63079 27.0 27.9 .9 .0 K63080 27.9 28.3 .4 .0 K63081 28.3 29.0 .7 .0 K63082 30.7 31.2 .5 .0</p>									
31.5	66.3		<p>MASSIVE MAFIC VOLCANIC FLOW</p> <p>LITHOLOGY: fine grained to medium grained weakly foliated light green massive flow with INTERSTITIAL quartz, feldspar and chlorite. Unit speckled with approximately 5% leucoxene flakes, unit possesses rare quartz-calcite-chlorite veins. Unit quartz phyric and texture and grain size suggestive of fine grained diorite. Scattered dark grey chloritic and carbonaceous alteration patches.</p> <p>ALTERATION: chloritic, sericitic with localized leucoxene flakes.</p> <p>STRUCTURE: weakly foliated with foliation at 60 degrees to the core axis.</p> <p>MINERALIZATION: 0.1-0.3% finely disseminated pyrite throughout unit.</p>	<p>K63083 37.1 37.5 .4 .0 K63084 44.3 44.8 .5 .0</p>									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngr (m)	SUL (%)	AU (gpt)	AURE (gpt)	AUREJ (gpt)	AUAV (gpt)
		VVVV	37.1 37.5 4 cm quartz-calcite-chlorite vein at 70 degrees to the core axis with trace amounts of sulphide.									
		VVVV	44.3 44.8 6 cm barren milky white QUARTZ VEIN at 30 degrees to the core axis.									
66.3	71.0	VVVV	CARBONACEOUS MAFIC VOLCANIC Fault Zone.	P3768	67.6	68.0	.4	.0				
		VVVV	LITHOLOGY: dark grey to dark green fine grained strongly foliated, contorted and fractured faulted Grey Zone with scattered quartz-calcite veins parallel to foliation.	P3769	68.0	68.8	.8	.0				
		VVVV	ALTERATION: chloritic, slightly sericitic and slightly graphitic with localized carbonaceous, calcareous sections.	P3770	68.8	69.6	.8	.0				
		VVVV	STRUCTURE: strongly foliated and contorted and fractured with foliation at 30 to 40 degrees to the core axis, crumbled fault gouge localized at HW and FW contacts	P3771	69.6	71.0	1.4	.0				
		VVVV	MINERALIZATION: trace amounts of sulphide.									
		VVVV	67.6 68.0 Scattered quartz-calcite veins up to 5 cm in width with trace pyrite.									
		VVVV	68.0 68.8 Scattered quartz-calcite veinlets up to 4 cm in width with trace pyrite									
		VVVV	68.8 69.6 Scattered contorted quartz-calcite veinlets at 30 degrees to the core axis with trace pyrite.									
		VVVV	69.6 71.0 Crumbled faulted section with localized 5 cm QUARTZ VEIN, trace pyrite.									
71.0	104.0	VVVV	MASSIVE MAFIC VOLCANIC FLOW	P3772	93.0	93.5	.5	.0				
		VVVV	LITHOLOGY: light green fine grained weakly foliated massive unit possessing numerous fractures and slightly crumbled vuggy localized sections, unit further possesses scattered calcareous and quartz-calcite stringers and veinlets.	P3773	94.5	95.0	.5	.0				
		VVVV	Fine grained leucoxene flakes scattered throughout unit.									
		VVVV	ALTERATION: chloritic, sericitic and weakly calcareous.									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	AU (gpt)	AURE (gpt)	AUREJ (gpt)	AUAV (gpt)
		VVVVV	and patches parallel to foliation. 115.5 116.0 5 cm localized quartz-calcite veinlet at 70 degrees to the core axis with trace amounts of sulphide.									
116.0	136.0	VVVVV	MASSIVE MAFIC VOLCANIC FLOW	P3782	126.0	126.5	.5	.0				
		VVVVV	LITHOLOGY: light green fine grained weakly foliated massive unit possessing scattered quartz-calcite stringers and veinlets unit possesses localized amygdaloidal sections with quartz-calcite amygdules stretched parallel to foliation. ALTERATION: chloritic, sericitic and slightly calcareous. STRUCTURE: weakly foliated with foliation at 60 degrees to the core axis. MINERALIZATION: trace amounts of sulphide.									
		VVVVV	126.0 126.5 2 5 cm localized quartz-calcite veins at 65 degrees to the core axis with trace pyrite.									
136.0	150.0	▬▬▬	QUARTZ VEIN ZONE	P3783	136.0	136.5	.5	.0				
		▬▬▬	LITHOLOGY: dark green to dark grey fine grained moderately foliated strongly chloritic and graphitic mafic flow with numerous quartz-calcite veins generally parallel to foliation, unit possesses localized networks of fractures infilled with graphite. ALTERATION: chloritic, graphitic and calcareous with patches of potassic alteration throughout veins. STRUCTURE: moderately to strongly foliated with foliation at 50 degrees to the core axis, veins generally parallel to fabric.	P3784	136.5	137.0	.5	.5				
		▬▬▬		P3785	138.0	138.5	.5	.0				
		▬▬▬		P3786	138.5	139.0	.5	.0				
		▬▬▬		P3787	139.0	140.0	1.0	.0				
		▬▬▬		P3788	141.2	141.6	.4	.0				
		▬▬▬		P3789	141.6	142.2	.6	.0				
		▬▬▬		P3790	146.0	146.5	.5	.2				
		▬▬▬		P3791	146.5	147.2	.7	.0				
		▬▬▬		P3792	147.2	147.8	.6	.0				
		▬▬▬		P3793	147.8	148.3	.5	.0				
		▬▬▬		P3794	148.3	149.0	.7	.0				
		▬▬▬		P3795	149.0	149.7	.7	.0				

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngr (m)	SUL (%)	AU (gpt)	AURE (gpt)	AUREJ (gpt)	AUAV (gpt)
			MINERALIZATION: 0.2-0.5% disseminated pyrite localized at vein contacts.									
			136.0 136.5 Dark grey chloritic, graphitic and carbonaceous patches with stockwork of quartz-calcite stringers and veinlets, trace pyrite.									
			136.5 137.0 10 cm quartz-calcite vein at 50 degrees to the core axis with 0.2-0.5% disseminated pyrite localized at vein contacts.									
			138.0 138.5 2 and 4 cm quartz-calcite veins localized along graphitic slips with trace amounts of sulphide.									
			138.5 139.0 Numerous quartz-calcite veinlets up to 5 cm parallel to foliation within graphitic alteration with trace pyrite.									
			139.0 140.0 Localized 5 cm quartz-calcite vein at 60 degrees to the core axis with trace pyrite.									
			141.2 141.6 23 cm quartz-calcite vein at 40 degrees to the core axis with patches of potassic alteration and trace pyrite.									
			141.6 142.2 2 10 cm carbonaceous veins at 60 degrees to the core axis with trace amounts of sulphide.									
			146.0 146.5 16 cm quartz-calcite vein at 40 degrees to the core axis with patches of potassic alteration and 0.1-0.2% disseminated pyrite localized at vein contacts.									
			146.5 147.2 3 cm quartz-calcite-chlorite vein parallel to core axis with trace amounts of sulphide.									
			147.2 147.8 Bracket sample, trace pyrite.									
			147.8 148.3 10 cm quartz-calcite vein at 40 degrees to the core axis with trace pyrite.									
			148.3 149.0 Bracket sample, trace pyrite, numerous quartz-calcite stringers parallel to foliation.									
			149.0 149.7 10 cm quartz-calcite vein at 60 degrees to the core axis with trace amounts of sulphide.									
150.0	162.5		MASSIVE MAFIC VOLCANIC FLOW	P3796	161.0	162.5	1.5	.0				
			LITHOLOGY: light green to dark green fine grained weakly foliated massive unit with numerous carbonaceous patches throughout.									
			ALTERATION: chloritic, slightly sericitic and calcareous.									
			STRUCTURE: weakly foliated with foliation at 60 degrees to the core axis.									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	AU (gpt)	AURE (gpt)	AUREJ (gpt)	AUAV (gpt)
		VVVV	MINERALIZATION: trace amounts of sulphide.									
		VVVV	161.0 162.5 Bracket sample, trace amounts of sulphide, scattered carbonaceous patches.									
162.5	164.5	VVVV	QUARTZ VEIN ZONE	P3797	162.5	163.0	.5	.0				
			LITHOLOGY: dark green fine grained weakly foliated massive unit hosting series of quartz-calcite veins with patches of potassic alteration, HW of zone slightly fractured.	P3798	163.0	163.5	.5	.0				
			ALTERATION: chloritic, calcareous with patches of blocky potassic feldspar crystals localized at vein contacts.	P3799	163.5	164.0	.5	.0				
			STRUCTURE: weakly foliated with foliation at 60 degrees to the core axis.	P3800	164.0	164.5	.5	.0				
			MINERALIZATION: trace amounts of sulphide.									
			162.5 163.0 10 cm quartz-calcite vein perpendicular to core axis with trace pyrite.									
			163.0 163.5 14 cm quartz-calcite vein at 40 degrees to the core axis with patches of potassic feldspar and trace pyrite.									
			163.5 164.0 Blocky patches of potassic feldspar with trace amounts of sulphide.									
			164.0 164.5 17 cm quartz-calcite vein at 30 degrees to the core axis with patches of potassic alteration and trace amounts of sulphide.									
164.5	183.0	VVVV	MASSIVE MAFIC VOLCANIC FLOW	P3801	164.5	165.1	.6	.0				
		VVVV	LITHOLOGY: dark green fine grained to medium grained massive unit possessing numerous quartz-calcite infilled tension gashes unit possesses local leucocratic sections.	P3802	172.0	172.5	.5	2.0				
		VVVV	ALTERATION: chloritic, sericitic and carbonaceous with localized quartz-calcite veins and patches.									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngr (m)	SUL (%)	AU (gpt)	AURE (gpt)	AUREJ (gpt)	AUAV (gpt)
		VVVVVV	STRUCTURE: weakly foliated with foliation at 65 degrees to the core axis.									
		VVVVVV	MINERALIZATION: 0.2-0.5% localized massive pyritic patches and nodules.									
		VVVVVV	164.5 165.1 Brecciated sericitized and calcareous patches subparallel to core axis with trace pyrite.									
		VVVVVV	172.0 172.5 1-2% localized nodules of pyrite.									
183.0	199.0	VVVVVV	MAFIC VOLCANIC FLOW									
		VVVVVV		P3803	183.0	183.5	.5	.0				
		VVVVVV		P3804	183.5	184.2	.7	.0				
		VVVVVV	LITHOLOGY: dark green fine grained moderately foliated mafic flow with numerous graphitic and carbonaceous patches parallel to foliation.	P3805	184.2	185.0	.8	.0				
		VVVVVV		P3806	188.3	188.8	.5	.0				
		VVVVVV		P3807	189.7	190.2	.5	.0				
		VVVVVV		P3808	194.0	195.0	1.0	.2				
		VVVVVV	ALTERATION: chloritic, graphitic slightly sericitic and calcareous alteration.	P3809	195.0	195.5	.5	.0				
		VVVVVV	STRUCTURE: moderately foliated with foliation at 35 to 40 degrees to the core axis.									
		VVVVVV	MINERALIZATION: trace amounts of sulphide.									
		VVVVVV	183.0 183.5 10 cm quartz-calcite-chlorite vein perpendicular to core axis with trace amounts of pyrite.									
		VVVVVV	183.5 184.2 3 cm quartz-calcite vein at 80 degrees to the core axis with trace amounts of sulphide.									
		VVVVVV	184.2 185.0 Scattered quartz-calcite veins up to 6 cm in width at 80 degrees to the core axis with trace amounts of pyrite.									
		VVVVVV	188.3 188.8 Carbonaceous and graphitic patches with trace pyrite.									
		VVVVVV	189.7 190.2 Carbonaceous, calcareous patches and veinlets subparallel to core axis with trace pyrite.									
		VVVVVV	194.0 195.0 Carbonaceous and sericitized fold noses parallel to core axis with 0.1-0.2% finely disseminated pyrite.									
		VVVVVV	195.0 195.5 Brecciated and carbonaceous zone with stylonite infilled with dolomite, trace pyrite.									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	AU (gpt)	AURE (gpt)	AUREJ (gpt)	AUAV (gpt)
199.0	211.6		LEUCOXENE BEARING MAFIC VOLCANIC	P3810 P3811	200.0 208.2	200.5 208.7	.5 .5	.5 .5				
			LITHOLOGY: light green fine grained weakly foliated massive unit, possesses leucoxene flakes throughout, further possesses boudinaged quartz-calcite stringers and veinlets generally oriented parallel to foliation.									
			ALTERATION: chloritic, leucoxinitic, slightly sericitic with localized calcareous veinlets and boudins.									
			STRUCTURE: weakly foliated with foliation at 60 degrees to the core axis.									
			MINERALIZATION: 0.1-0.2% disseminated pyrite, pyrrhotite, chalcopyrite localized at QUARTZ VEINS.									
			200.0 200.5 10 cm quartz-calcite-chlorite vein at 50 degrees to the core axis with 0.2-0.5% patchy chalcopyrite within vein.									
			208.2 208.7 0.2-0.5% disseminated pyrrhotite localized within chlorite infilled fracture.									
211.6	217.2		ALTERED PILLOWED MAFIC VOLCANIC FLOW	P3812 P3813 P3814 P3815 P3816 P3817 P3818	212.0 212.5 213.0 214.0 215.0 215.5 216.0	212.5 213.0 214.0 215.0 215.5 216.0 217.0	.5 .5 1.0 1.0 .5 .5 1.0	1.0 .5 .5 .2 2.0 .5 .0				
			LITHOLOGY: dark green fine grained moderately foliated brecciated pillowed flow possessing pillowed flow textures unit possesses vesicles localized proximal to selvages, graphitic selvages and localized variolitic sections, unit further possesses fragmental texture and numerous fractures infilled with graphite.									
			ALTERATION: chloritic, graphitic slightly sericitic and calcareous.									
			STRUCTURE: moderately foliated with foliation at 70 degrees to the core axis.									
			MINERALIZATION: 0.2-0.5% finely disseminated pyrite, pyrrhotite throughout hostrock.									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngr (m)	SUL (%)	AU (gpt)	AURE (gpt)	AUREJ (gpt)	AUAV (gpt)	
			212.0 212.5 0.5-1% disseminated pyrite localized within brecciated hyaloclastite with vesicles. 212.5 213.0 0.2-0.5% disseminated pyrite throughout altered zone with numerous carbonaceous stringers. 213.0 214.0 0.2-0.5% disseminated pyrite throughout altered zone with numerous fractures infilled with graphite. 214.0 215.0 0.1-0.2% finely disseminated pyrite. 215.0 215.5 1-2% disseminated pyrite localized along graphitic seams. 215.5 216.0 0.2-0.5% finely disseminated pyrite. 216.0 217.0 Trace amounts of sulphide.										
217.2	239.5		LEUCOXENE BEARING MAFIC VOLCANIC LITHOLOGY: light green fine grained weakly foliated massive unit possessing scattered quartz-calcite veins parallel to foliation, localized moderately to strongly foliated sections proximal to QUARTZ VEINS, unit speckled with leucoxene flakes. ALTERATION: chloritic, slightly sericitic with localized quartz-calcite veins, leucoxene phyrlic. STRUCTURE: weakly foliated with foliation at 60 to 70 degrees to the core axis. MINERALIZATION: 0.2-0.5% disseminated pyrrhotite localized at QUARTZ VEINS. 222.2 222.6 6 cm quartz-calcite-chlorite vein at 70 degrees to the core axis with 1-2% massive patchy pyrrhotite within vein. 222.6 223.0 9 and 3 cm quartz-calcite veins at 70 degrees to the core axis with trace amounts of sulphide. 232.0 232.5 6 cm quartz-calcite vein at 70 degrees to the core axis with trace amounts of sulphide.	P3819 P3820 P3821	222.2 222.6 232.0	222.6 223.0 232.5	.4 .4 .5	2.0 .0 .0					
239.5	243.9		STRONGLY ALTERED GREY ZONE - CARBONACEOUS MAFIC VOLCANIC LITHOLOGY: dark grey to black fine grained moderately foliated Grey Zone with numerous quartz-calcite infilled tension gashes.	P3822 P3823	243.0 243.5	243.5 243.9	.5 .4	4.0 3.0					

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	AU (gpt)	AURE (gpt)	AUREJ (gpt)	AUAV (gpt)
		XXXXXX	ALTERATION: chloritic, graphitic and calcareous.									
		XXXXXX	STRUCTURE: moderately foliated with foliation at 70 degrees to the core axis, numerous quartz-calcite infilled tension gashes parallel to foliation.									
		XXXXXX	MINERALIZATION: 1-2% disseminated and patchy pyrite proximal to unit FW contact.									
		XXXXXX	243.0 243.5 3-4% disseminated and patchy pyrite throughout graphitic section.									
		XXXXXX	243.5 243.9 2-3% disseminated and massive pyrite localized along fractures and quartz-calcite stringers.									
243.9	245.5	XXXXXX	GRAPHITIC/ARGILLACEOUS SEDIMENT	P3824	243.9	244.5	.6	6.0				
		XXXXXX	LITHOLOGY: fine grained moderately foliated massive contorted unit with numerous patches and nodules of pyrite throughout.	P3825	244.5	245.0	.5	9.0				
		XXXXXX	ALTERATION: graphitic, slightly siliceous and calcareous.	P3826	245.0	245.5	.5	4.0				
		XXXXXX	STRUCTURE: moderately foliated and contorted with bedding at 70 degrees to the core axis, unit possesses crumbled faulted HW contact with fault gouge, fractured FW contact.									
		XXXXXX	MINERALIZATION: 6-7% massive, disseminated and nodular pyrite throughout unit.									
		XXXXXX	243.9 244.5 5-6% disseminated and massive pyrite localized along bedding planes.									
		XXXXXX	244.5 245.0 8-9% massive, patchy and nodular pyrite throughout unit.									
		XXXXXX	245.0 245.5 3-4% massive and nodular pyrite with healed fractures infilled with quartz-calcite.									
245.5	300.0	XXXXXX	LEUCOXENE BEARING MAFIC VOLCANIC	P3827	248.7	249.2	.5	.2				
		XXXXXX		P3828	251.3	251.8	.5	2.0				

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	AU (gpt)	AURE (gpt)	AUREJ (gpt)	AUAV (gpt)
			<p>LITHOLOGY: light grey to light green fine grained to medium grained weakly foliated massive leucoxene phyrlic unit possessing numerous localized QUARTZ VEINs and quartz-calcite infilled tension gashes and contorted stringers subparallel to core axis.</p> <p>ALTERATION: chloritic, sericitic, slightly siliceous and calcareous unit.</p> <p>STRUCTURE: weakly foliated with foliation at 60 degrees to the core axis, unit possesses 2 generations of veining with primary generation parallel to fabric and 2ND generation subparallel to core axis.</p> <p>MINERALIZATION: 0.2-0.5% disseminated chalcopyrite localized at vein contacts.</p> <p>248.7 249.2 3 2 cm quartz-calcite veinlets at 35 degrees to the core axis with 0.1-0.2% disseminated pyrite localized at vein contacts.</p> <p>251.3 251.8 4 cm quartz-calcite-chlorite vein at 80 degrees to the core axis with 1-2% disseminated pyrite, pyrrhotite localized at vein contacts.</p> <p>254.0 254.5 4 cm quartz-calcite vein at 50 degrees to the core axis with trace amounts of pyrite.</p> <p>255.3 255.8 6 cm quartz-ankerite vein at 60 degrees to the core axis with trace amounts of sulphide.</p> <p>261.5 262.0 2 4 cm QUARTZ VEINs at 80 degrees to the core axis with trace amounts of sulphide.</p> <p>280.0 280.6 Quartz-calcite stringers at 30 degrees to the core axis with 0.5-1% disseminated chalcopyrite localized at vein contacts.</p> <p>280.6 281.0 Quartz-calcite stringers subparallel to core axis with 0.5-1% disseminated chalcopyrite localized at vein contacts.</p> <p>298.0 298.5 14 cm quartz-ankerite vein at 70 degrees to the core axis with trace amounts of sulphide.</p> <p>HOLE STATUS: CASING REMAINS, HOLE MARKED W 2X2 STAKE.</p> <p>72 Samples sent to Swastika Labs Ltd,.</p> <p>At 300.0 meters EOH.</p>	<p>P3829</p> <p>P3830</p> <p>P3831</p> <p>P3832</p> <p>P3833</p> <p>P3834</p>	<p>254.0</p> <p>255.3</p> <p>261.5</p> <p>280.0</p> <p>280.6</p> <p>298.0</p>	<p>254.5</p> <p>255.8</p> <p>262.0</p> <p>280.6</p> <p>281.0</p> <p>298.5</p>	<p>.5</p> <p>.5</p> <p>.5</p> <p>.6</p> <p>.4</p> <p>.5</p>	<p>.0</p> <p>.0</p> <p>.0</p> <p>1.0</p> <p>1.0</p> <p>.0</p>				



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9660.00532

Personal Information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Recorder.
 - A separate copy of this form
 - Technical reports and maps
 - A sketch, showing the claim

ult the Mining



42A11SW0142 W9660.00532 TISDALE

900

Recorded Holder(s) PENTLAND FIRTH VENTURES LTD.		Client No. 300694
Address P.O. Box 1690 SOUTH PORCUPINE ONT.		Telephone No. (705) 235-2311
Mining Division PORCUPINE	Township/Area TISDALE TWP.	M or G Plan No. G-3976
Dates Work Performed From: SEPTEMBER 3, 1996		To: SEPTEMBER 6, 1996

Work Performed (Check One Work Group Only)

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, Including Drilling	DIAMOND DRILLING
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 15,276

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
BRADLEY BROTHERS	Hwy 101 W., Timmins Ont.

RECORDED
SEP 20 1996
Receipt

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date Sept. 20/96	Recorded Holder or Agent (Signature) <i>[Signature]</i>
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Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Ken Tylee P.O. Box 1690 South Porcupine, Ontario		
Telephone No. (705) 235-2311	Date Sept. 20/96	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded \$ 15,276.	Date Recorded	Mining Recorder
	Deemed Approval Date DEC. 19/96	Date Approved Dec 19/96
	Date Notice for Amendments Sent	

RECEIVED
SEP 20 1996
418
COR
PORCUPINE MINING DIVISION

