Summary Report
Mel Swereda OPAP # OP92-457
Croll Twp Property

Location:

The Mel Swereda Croll Twp. property, which straddles the Ashmore - Croll Twp. boundary, lies immediat south of Highway 11 about 10km east of Geraldton, Ontario.

Access:

The property is reachable by gravel road which cuts south through the claim group immediately south of Highway 11.

Geology:

The property is underlain by mafic flows and interflow diorite - gabbro intrusives (possibly massive coarse grain flow centres) which have been altered by low grade regional metamorphism, local silicification and chorite, chlorite-sericite along minor faulting such as on the No 1 zone. Pyrite, quartz and quartz-carbonate, locally chalcopyrite and trace amounts of galena are associated with these deformation-alteration systems. Sampling results also indicate substantial gold enrichment (several samples. 1000 ppb to 2500 ppb Au) along the fault related deformation system along the #1 Zone.

Work Completed;

The work was directed primarily at prospecting for old trenches (apparently many exisit in the area), mechanically stripping, trenching, blasting, mapping sampling to determine gold enrichment possiblities in these old workings. One drill hole was completed to test the gold-bearing No. 1 zone at depth.

Results;

Zone #1 proved to be a gold-bearing zone while the other zones (#2, #3 and #4) returned very low to nil values in gold. The #1 zone is a well difined fault shear system, variabley carbonitized, quartz veined, chloritized and locally sericitic. It is about 5 feet to 10 feet wide, exposed along strike for about 350 feet and apparently continues its strike length extension well beyond the trenched-stripped location. Pyrite occurs variabley along its length. Chalcopyrite is "spotty" and appears to be concentrated most heavily with the thicker quartz veined locations. The best gold values were obtained from locations containing a quartz-chalcopyrite association.

Recommendations:

1) An attempt should be made to define the eastward extension of the No 1 zone by prospecting on strike to the east boundary of the claim group followed by bulldozer stripping at suitable locations.

2) The property area, as a whole, should be prospected in detail for old trenches. Where found these should be sampled for assay. Locations returning assay indications of gold enrichment should be bulldozer stripped for a better mineralization evaluation

3) ~~Gold in the~~ area of the old Roche prospect was discovered in 1934. Where it is possible, bulldozer stripping should be conducted eastward from the old discoveries to determine if there is any eastward extensions of this gold-bearing zone.

4) VLF-EM survey results show several VLF EM conductive zones on the property. An attempt should be made to trace these conductors to see if they continue into shallow overburden or outcrop areas where they can be exposed by

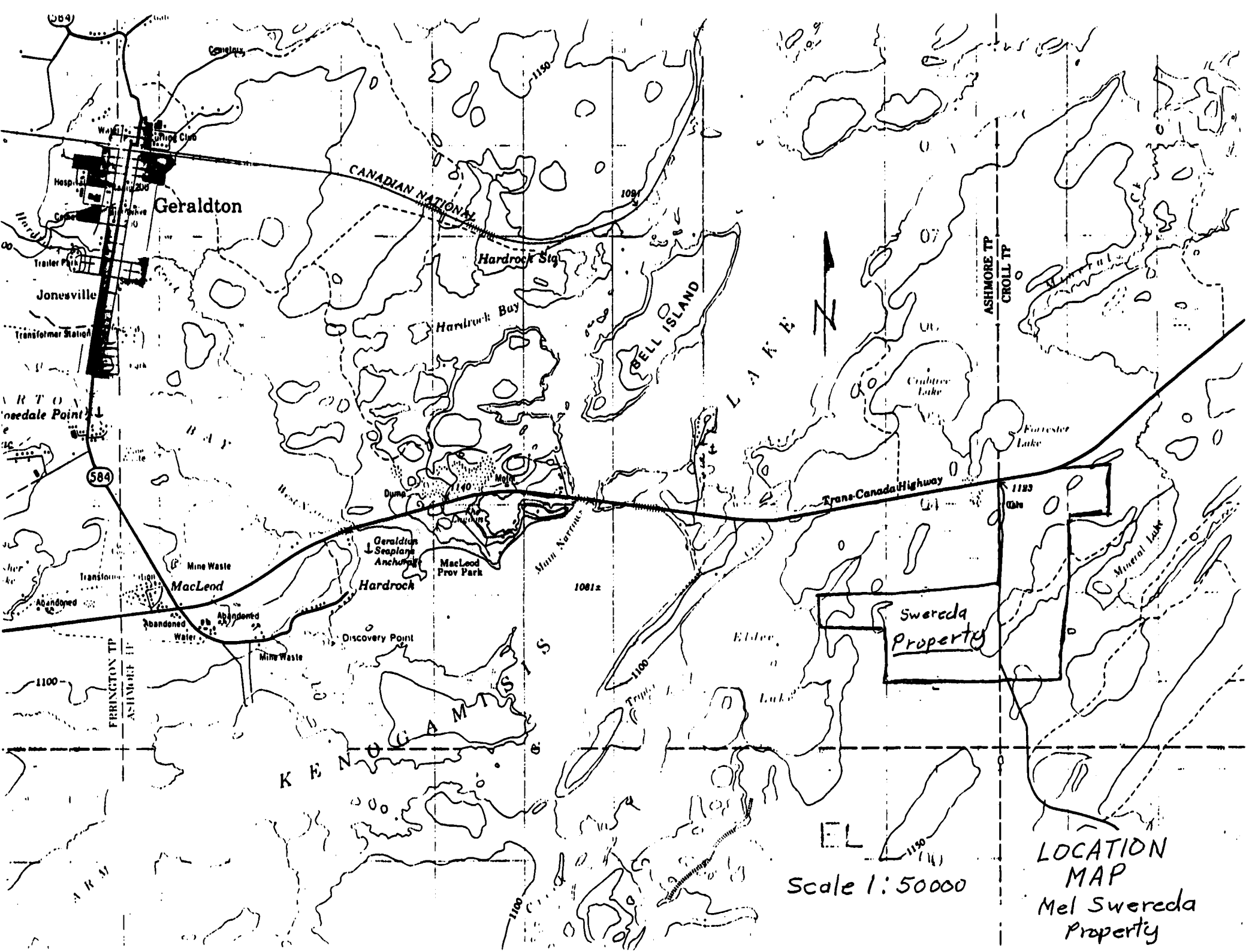
mechanical stripping or trenching.

Budget:

If funds are prudently utilized, a fairly thorough prospecting oriented examination of much of the property area should be possible for the cost of $12000 to $15000.

P. Lassila
Geologist

P Lassila
Sept. 21, 1992


Geraldton
Jonesville
CANADIAN NATIONAL
Hardrock Stn
Hardrock Bay
BELL ISLAND
LAKE
ASHMORE TP
CROLL TP
Trans-Canada Highway
584
MacLeod
Hardrock
MacLeod Prov Park
Geraldton Seaplane Anchorage
Mine Waste
Discovery Point
Swereda Property
KENOGAMISIS
FERRINGTON TP
ASHMORE TP
1100
1150
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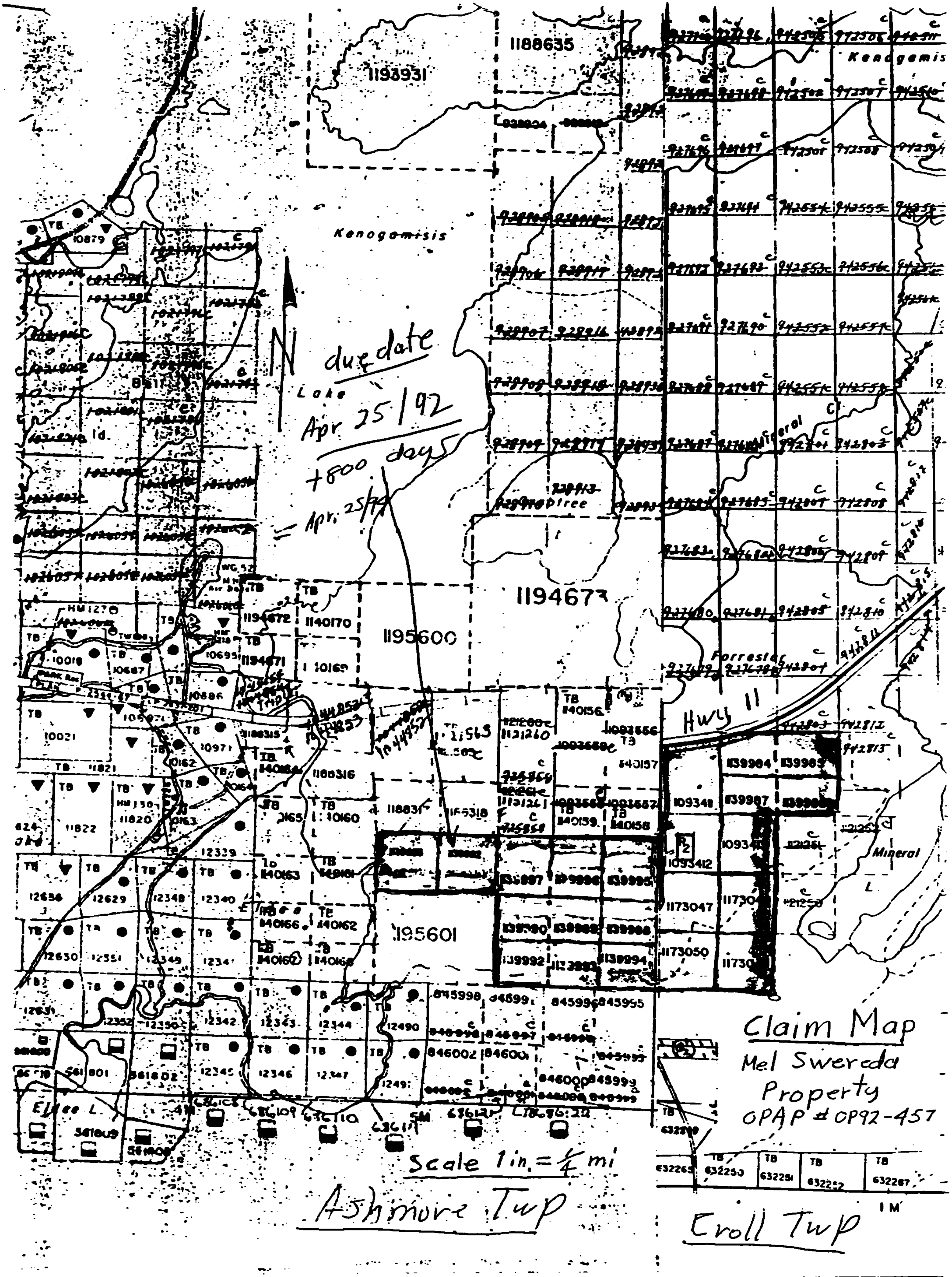
Scale 1:50000
LOCATION MAP
Mel Swereda Property



Kenogamisis Lake
Kenogamis
1193931
1188635
1194673
1195600
1195601
N
due date
Apr 25/92
+800 days
= Apr. 25/94
Hwy 11
Mineral
Forrester
Elmee L.
Scale 1in. = 1/4 mi
Ashmore Twp
Eroll Twp
Claim Map
Mel Swereda
Property
OPAP # OP92-457

63.0' to 64.5' Fragmented mafic volcanic with sericitic fracture filling.

64.5' to 66.6' Sericitic quartz veined zone. Well foliated at 60° to 80° to core axis. 20% sericite, 15% qvs to 2 in thick, 15% chloritic mafic vole, Trace py.

64.5' to 66.4' sample 5562

66.6' to 72.00' Altered mafic volconic: foliated 60° to 70° to core axis, weakly to moderately sericitic, biotitic, moderately calcareous, many fine qtz-calc seams to $\pm$ 1" thick mainly parallel to foliation, 1% to 3% fine grain bright pyrite as disseminated crystals elongated along foliation.

67.6' to 68.9' sample 5563

69.7' to 71.0' sample 5564

72' to 85' Andesitic volcanic: exhibits lacy mottled network of weakly saussuritized feldspar infilling. Locally up to 1% fine dissem py.

85' to 126' Andesitic volc. pseudobreccia: fine grained mafic subround fragments of mafic volcanic up to 3 inches in saussuritic feldspathic volcanic matrix. Well developed brecciation between 103 ft, and 106 ft. Occasional thin (less than $\frac{1}{4}$ in.) qtz-calc seams.

126' to 135' Foliated mafic volcanic: biotitic-chloritic - weakly sericitic fine grained, moderately calcareous, foliation 25° to 30° to core axis,
129' to 130' 30% mottled calc infilling.

DDH S-92-1

135' to 242' Altered andesitic flow rock; locally brecciated, exhibits mosaic textured feldspathic weakly saussuritized alteration. Contains occasional thin qtz and qtz-calc veinlets to 2 in. thick and many thin (less than ¼ in.) seams oriented at 45° to 80° to core axis.

Occasional clots, up to ½ in. long, of po and very minor cpy in some parts of section.

142' to 143' qtz vein subparallel to core axis; Sample # 5565

222.0' to 225.0' 2% to 3% po (minor cpy) as clots to ½ in long

Sample # 5566

242' to 291' Massive unaltered andesite.

Qtz. veins with reddish hematitic contact rims

245.5' 1 in. qv at 70° to core axis

245.7' 1½ in qv at 50° to core axis

274.5' white qv 2" thick (no hematite) at 70° to core axis

291' End Hole

P Lasalle

Drill Log

OPAP # OP92-457

Drill Hole: S-92-1

Location: #1 Zone; TB 1093411
0100W, 0+60S

Collar 100'N and 200'E of #3 post TB 1093411

Atitude: -70°, Az. 340°

Date Collared: June 8, 1992

Date Finished: June 25, 1992

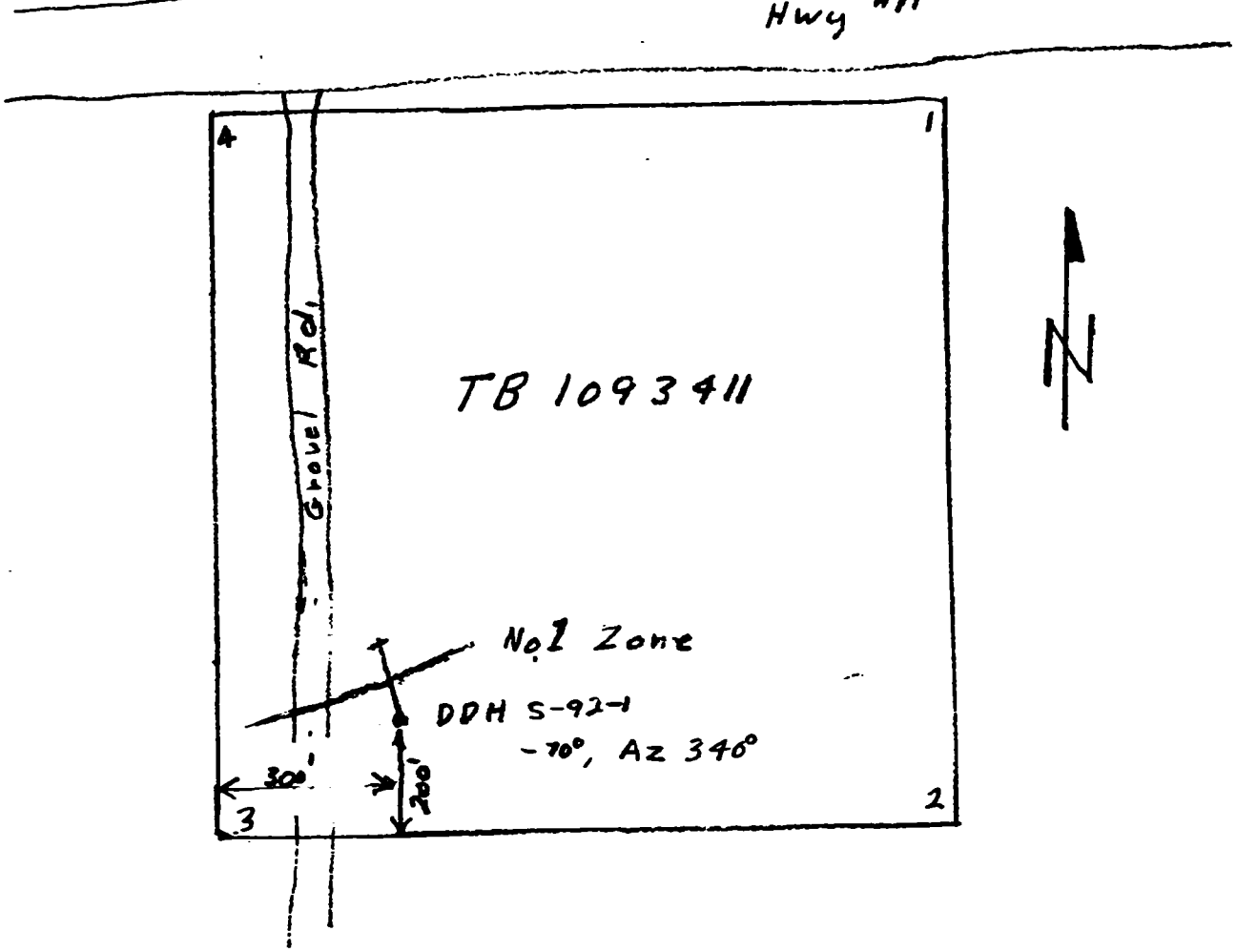
Date Logged: July 16, 1992

Logged By: P Lassila

Core size: BQ Length: 291 ft.

Footage	Description
05' to 63'	Andesite Flow; massive, fine grain, locally amygdaloidal with 1mm to 3mm white feids, amygdules; nonmagnetic noncalcareous section.
	34.5' 1½ in clot, massive po (60%) py (40%)
	Quartz veins.
	16.2' 1in. qv 55° to core axis
	28.2' 3in qv — Sample 5560
	38.7' 4 in. qv 40° to core axis 42.8' 3 in. qv 80° to core axis — Sample 5561 Trace po, mo?
	38.7' to 48.0' pyritic zone 2% to 3% fine to 3mm blebs dissem. py
	Section contains several narrow ¼ in. to ¾ in qtz. veins at 45° to 80° to core axis

OPAP Copy



Croll Twp. Ont

Drill Hole Location

DDH S-92-1

Scale 4" = 1 mile

P Lacaila

OPAP Copy

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Established 1928

Geochemical Analysis Certificate

2W-0758-RG1

Company: **P. LASSILA**

Date: AUG-04-92

Project:

Attn:

Copy 1. GENERAL DEL. BEARDMORE, ONT. POT 1GO
2. PHONE # (807) 875-2604

We hereby certify the following Geochemical Analysis of 40 rock samples submitted JUL-24-92 by .

Sample Number	Au PPB	Au oz/ton	Au Check oz/ton	Cu %	Ni %
5551	2170	0.063	0.055	0.30	
5552	1234	0.036		0.76	
5553	1190	0.035			
5554	603	0.018		0.30	
5555	202	0.006		0.21	
5556	199	0.006		0.19	0.01
5557	27			0.05	
5558	165	0.005			
5559	1851	0.054			
5560	189	0.006			
5561	14				
5562	89			0.03	0.01
5563	384	0.011			
5564	17				
5565	Nil				
5566	7			0.04	0.01
5567	480	0.014		0.30	
5568	2434	0.071	0.090	1.54	
5569	24				
5570	158	0.005			
5571	285	0.008			
5572	305	0.009			
5573	1118	0.033		1.15	
5574	926	0.027			
5575	10				
5576	14				
5577	7				
5578	Nil				
5579	10				
5580	Nil				

Certified by G. Libaf

P.O. Box 10, Swastika, Ontario P0K 1T0

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Established 1928

Geochemical Analysis Certificate

2W-0758-RG1

Company: P. LASSILA

Date: AUG-04-92

Project:

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Copy 1. GENERAL DEL. BEARDMORE, ONT. POT 1GO
2. PHONE # (807) 875-2604

We hereby certify the following Geochemical Analysis of 40 rock samples submitted JUL-24-92 by .

Sample Number	Au PPB	Au oz/ton	Au Check oz/ton	Cu %	Ni %
5581	51				
5582	Nil				
5583	82			0.31	
5584	Nil				
5585	17				
5586	7				0.03
5587	7				0.01
5588	34				
5589	120				
5590	Nil				

Certified by G. Gebert

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244 FAX (705) 642-2300

Assay Results

No. 2 Zone: TB 1093411

Sample	Values Au ppb, Cu %		Location (ft)	Remarks
5575	010	-	Old Tr. material	qv., py 1%
5576	014	-	Old Tr. material	qtz, py, po 1%
5577	007	-	Old Tr. face	qv., py tr
5578	Nil	-	Old Tr. material	qv., po 2%
5579	010	-	Old Tr. material	smoky qv, po 2%
5580	Nil	-	Old Tr. material	qtz., py 1%
5581	051	-	Old Tr. face	qv., po 3%
5582	Nil	-	0+02E, 0+52S	rusty qv, py
5583	082	0.31	0+06E, 0+57S	rusty qv, cpy
5584	Nil	-	0+02E, 0+59S	2' rusty qv., py 1% few blobs cpy

Total Samples 10

No. 3 Zone: TB 1093412

5585	017	-	0+18W 0+34N	Qtzitic rk, epidote ½% v. fn. py
5586	007	-	0+34W 0+00	alt mafic volc. 5% py, 4% po
5587	007	-	0+33W 0+00	alt mafic volc 1% py, po

Total Samples 3

P. Lassila
July 21, 1992
P Lassila

July 5, 1992 DDH 5-92-1

Log of Mineralization By Mel Swereda

OPAP OP92-457

5-33 ft mineralized
33-48 ft well mineralized
48-63 ft mineralized.
took a sample (#1) from 54-56 ft
63-83 ft took a sample (#2) from 64-66 ft and from (sample #3) 68-69 ft and (sample #4) 70.6-71.6 ft
Rock from 172-177 ft has some mineralization 172 to 177 odd specks it picks up at 172 ft
Core dies back down at 177 ft. Well mineralized at 178
Picks back up until 182 ft.
Box 182-187 ft = Rock is dead from 182-183 ft
183-197 ft is mineralized.

202-212 ft rock is fairly dead, however there is some small specks of mineralization threw it
there is also alot of stringers of quartz
217-226 ft well mineralized
220-224 ft well mineralized mixed with a green tint.
Took a sample from 222 ft - 224.6 ft
224.6 ft - 226 ft mineralized
226 ft - 228 ft small and very little mineralization, however from 227-228 ft I found a silver coloured circle to wich I am unsure of?.
228-232 ft very little mineralization however there is alot of quartz with very blacks specks.
232 ft - 239 ft mineralization is very little quartz wit black specks
239-241 ft mineralization also saw some specks of red.

(2)

241-243 mineralized
243-245 pretty dead quartz stringers from
245-246 rock appears brown and white quartz with a purple colour.
246-256ft - few specks of mineralization
251-256ft rock appears more greenish, small quartz stringers (mineralization should be checked further there are also silver coloured stringers.
256ft-259ft mineralization kind off greenish and and reddish-orange quartz.
259-261ft a few quartz stringers
261-268ft stays about the same.
268-to 271ft small reddish quartz seams with greenish mineralization. Also there is some red specks from 270-271ft.
271-283 the rock is getting softer, small quartz seams (reddish) still mineralized, also there is some silver coloured lines.

DDH S-92-1
-70°, Az 340°

#1 zone: qtz veined fault shear
5' to 10' wide

0B 0.5'

1" qv

alt. andesite
(0.5' to 63')

-55°

3" qv (5560)

3" qv

(5561) 4" qv

zone 1% py

foliated sericitic zone, qvs to 2" (5562), few blebs cpy in qtz.

63.0'
64.5'
66.4'

(5563)
(5564)

66.4' - 72' Alt foliated mafic volc
1% py, calc-qtz seams

fractured volc

72'

saussuritized andesite 1% dis. py (72' to 85')

85.0'

pseudobreccia, andesite (85' to 126')

distinct breccia

126'

foliated, chlor-ser calcareous (126' to 135')
zone

135'

qv. (5565)

Altered andesitic volc, (135' to 242')
(weakly feldspathized)

TB 1093411

= sampled section,
split core

(5563) Sample number

221.0'

(5566) 3% po blebs to ¼", ¼% cpy

242'

1" & 1½" qvs with hematite alteration rims

massive andesite (242' to 291')

2" qv

191' End Hole

Looking Westerly

Scale:

feet
0 10 20 30 40 50
0 metres 15

1 in. = 20 ft.

Note: Present andesitic composition probably was basalt before pervasive alteration occurred.

P Lassila

DRILL CORE SECTION
DDH S-92-1
TB 1093411, Croll Twp.
No 1 ZONE
July 21, 1992 By: P. Lassila

andesite

½" rusty qV, py; tr gal.

sample 5590 0+90W 0+48'W

Bulldozer Stripped Area Power Washed

½" qV

up to 1" qvs, ep silc. shear

weak shear qtz stringers

amygdaloid andesite; amiyds. to ¼" x 1"

epidote patch

Clm Posts

2yr old post no tag

4-1121248

3-691519

4-929835

4-659319

4-1173047

TB 1093912

TB 1173047

1700'W to #1 Zone

1700W

0+50W

BL "D"

Az 090°

Road

½" qV

¼" qV

water

qtz stringers

¼" qV

siliceous shear

½" qV

1" qV

1" qV

rusty qtzitic patch

andesite

Bulldozer Stripped Area Power Washed

variably silicified motic volcanic

N

qtz stringer foliated

qtz stringers along fractures

water

rusty py rock in Th

rusty silic, py zone

rusty qtz

Old Trench

Sample 5589

0+10

Sample 5588 0+29W, 00+5

silic rusty qtz

qtz stringers

silic zone

water

qtz stringers

6" qV

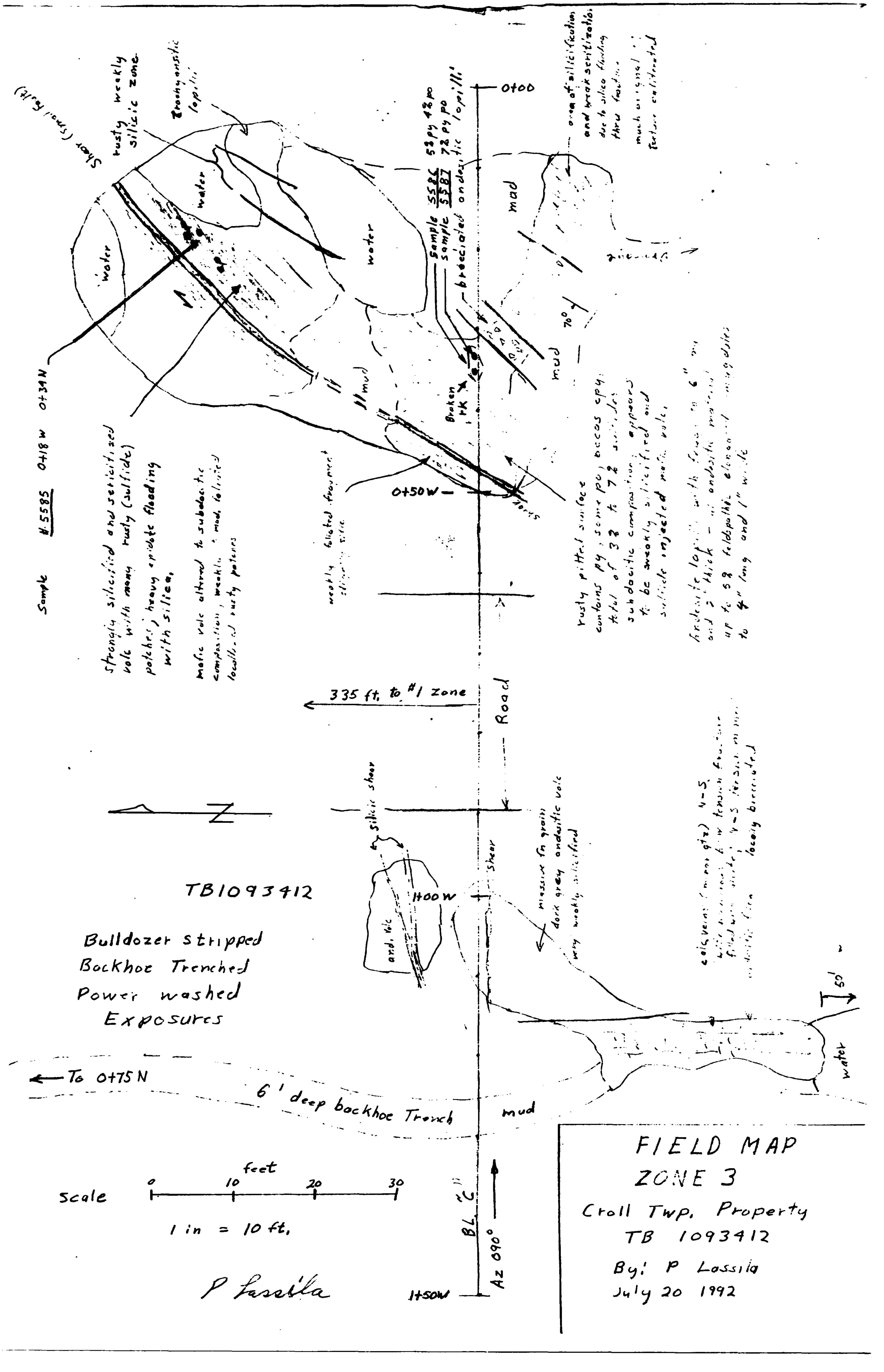
scale: 1 in = 10 ft

0 10 20 30 feet

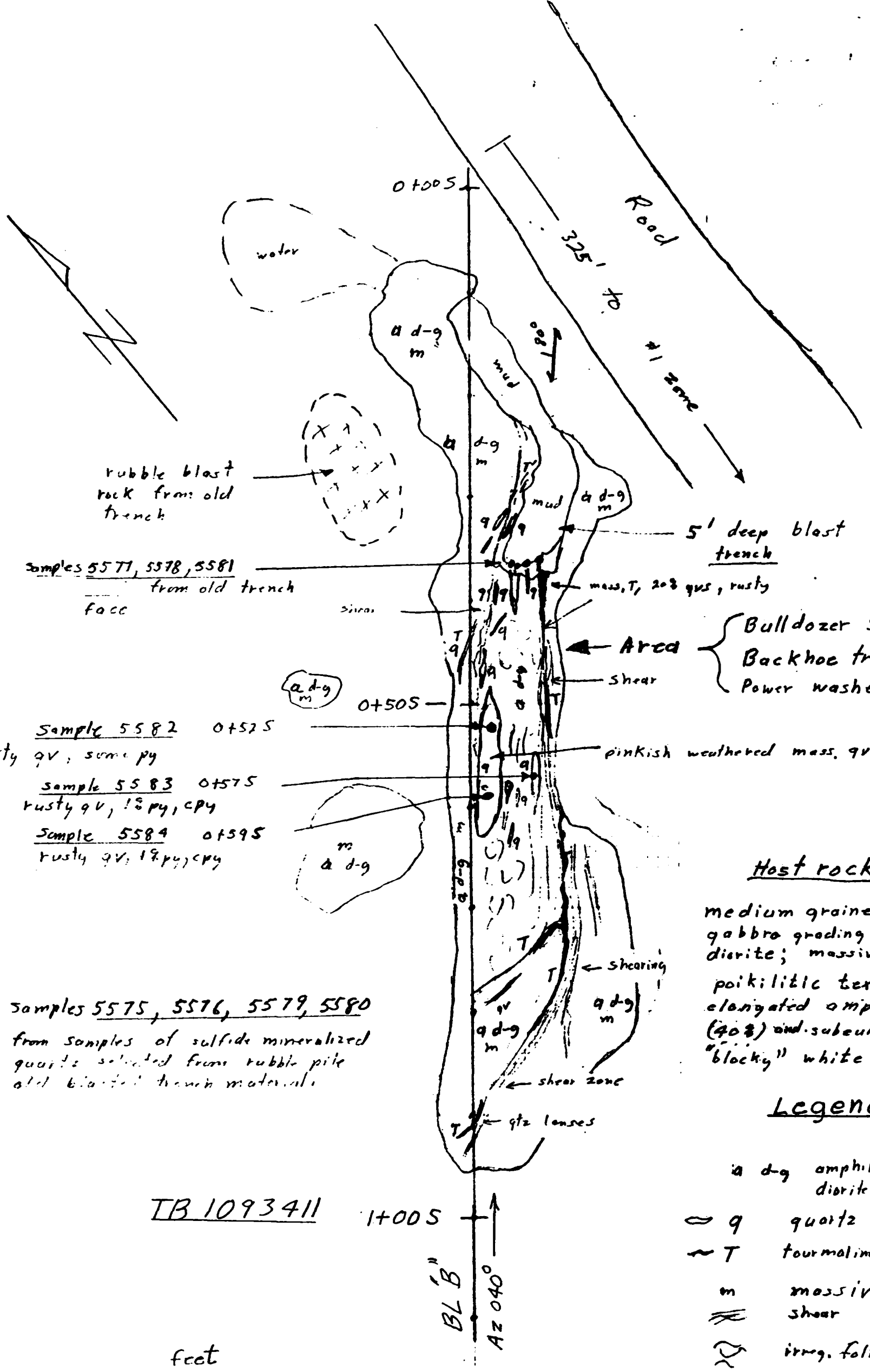
FIELD MAP
ZONE 4
Croll Twp. Property

TB 1173047
TB 1093912
By P. Lassila
July 20/92

P Lassila



FIELD MAP
ZONE 3
Croll Twp. Property
TB 1093412
By: P Lassila
July 20 1992



Host rock

medium grained gabbro grading towards diorite; massive. poikilitic textured elongated amphiboles (40%) and subeuhedral "blocky" white feldspar.

Legend

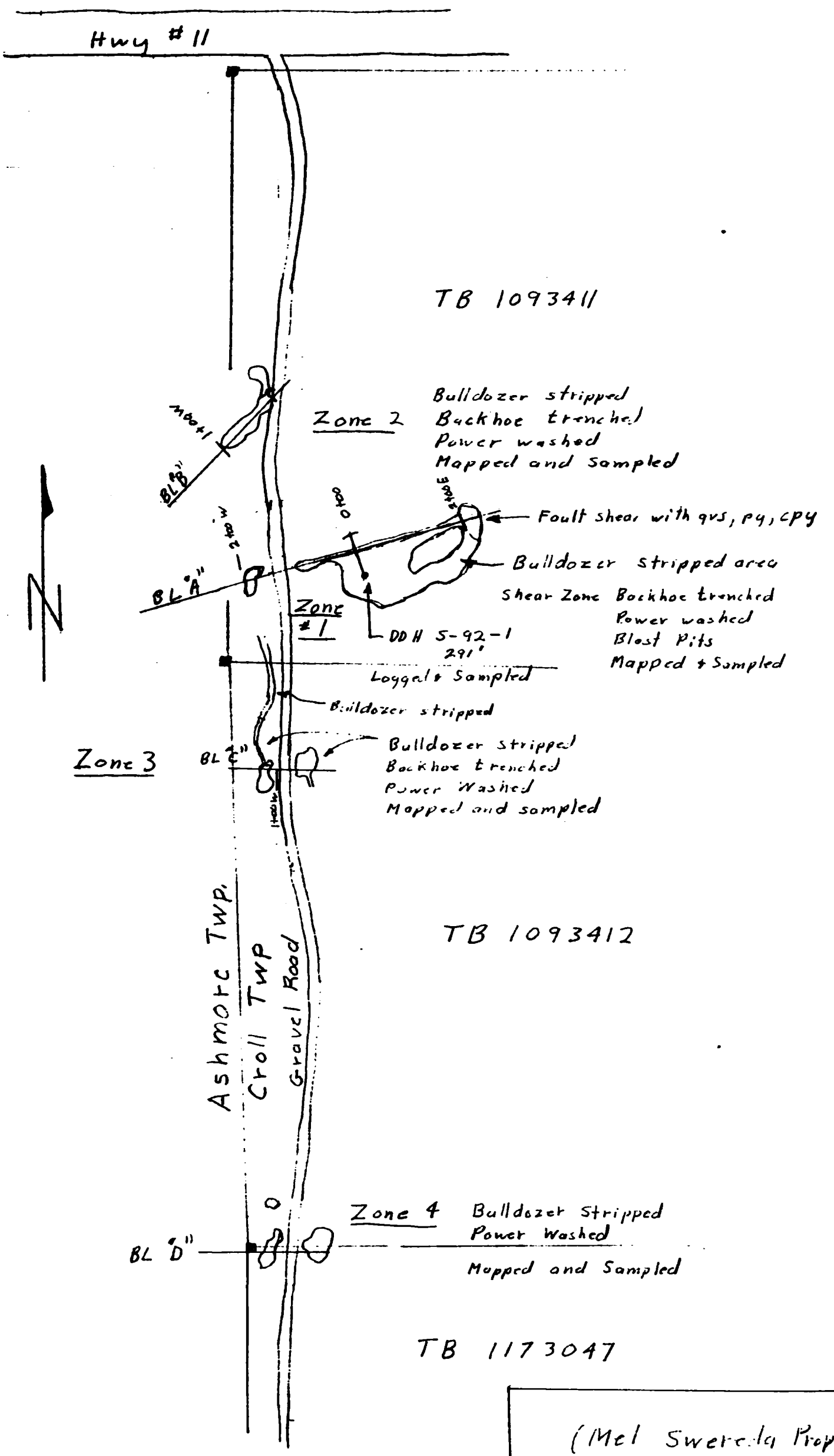
- a d-g — amphibole diorite – gabbro
- q — quartz vein
- T — tourmaline seam
- m — massive
- shear
- irreg. foliation
- sample location

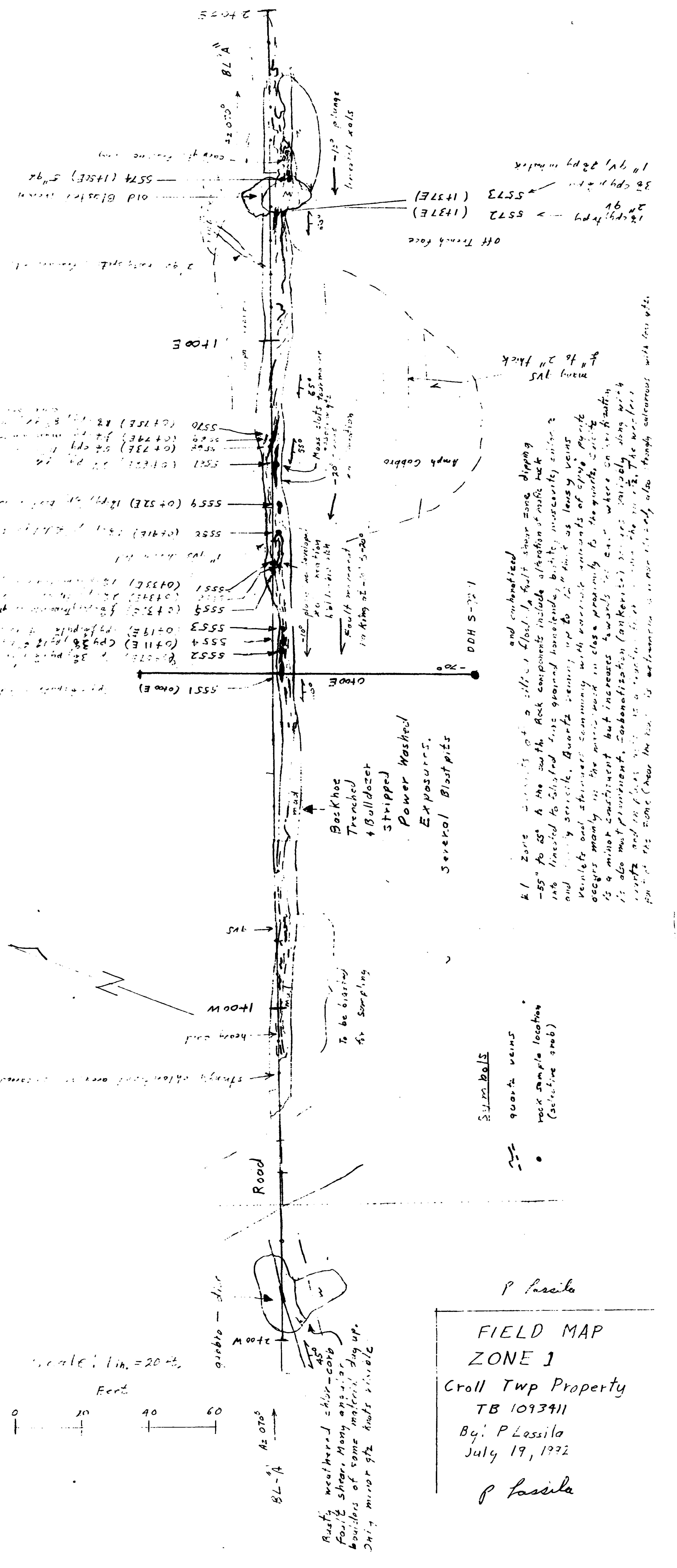
TB 1093411

P Lassila

FIELD MAP
#2 ZONE
Croll Twp. Property
Croll Twp, Ont.

By: P Lassila July 20 1992


Hwy #11
TB 1093411
Zone 2
Bulldozer stripped
Backhoe trenched
Power washed
Mapped and sampled
BL "B"
BL "A"
Fault shear with qvs, py, cpy
Bulldozer stripped area
Shear Zone Backhoe trenched
Power washed
Blast Pits
Mapped & Sampled
Zone #1
DDH 5-92-1
291'
Logged & Sampled
Bulldozer stripped
Zone 3
BL "C"
Bulldozer stripped
Backhoe trenched
Power Washed
Mapped and sampled
Ashmore Twp.
Croll Twp
Gravel Road
TB 1093412
Zone 4
Bulldozer Stripped
Power Washed
Mapped and Sampled
BL "D"
TB 1173047
Scale: 1 in = 200 ft
0 200 400 600 ft,
0 60 120 180 m.
(Mel Swereda Property)
WORK LOCATION
SKETCH
Croll Twp. Property
By P. Lassila
July 21, 1992
P Lassila



FIELD MAP
ZONE 1
Croll Twp Property
TB 1093411
By: P Lassila
July 19, 1992

P Lassila

NOTES

AREAS WITHDRAWN FROM DISPOSITION

S.R. – SURFACE RIGHTS M.R. – MINING RIGHTS

	Description	Order No.	Date	Disposition	File
(R)	Sec. 36/80	W 33/85	28/11/85	S.R.	1885 16

McLEOD LAKE LAND ROLL

SAND AND GRAVEL

(G1) M.T.C Gravel Pit N° 1568

(G2) " " " " 48-51

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

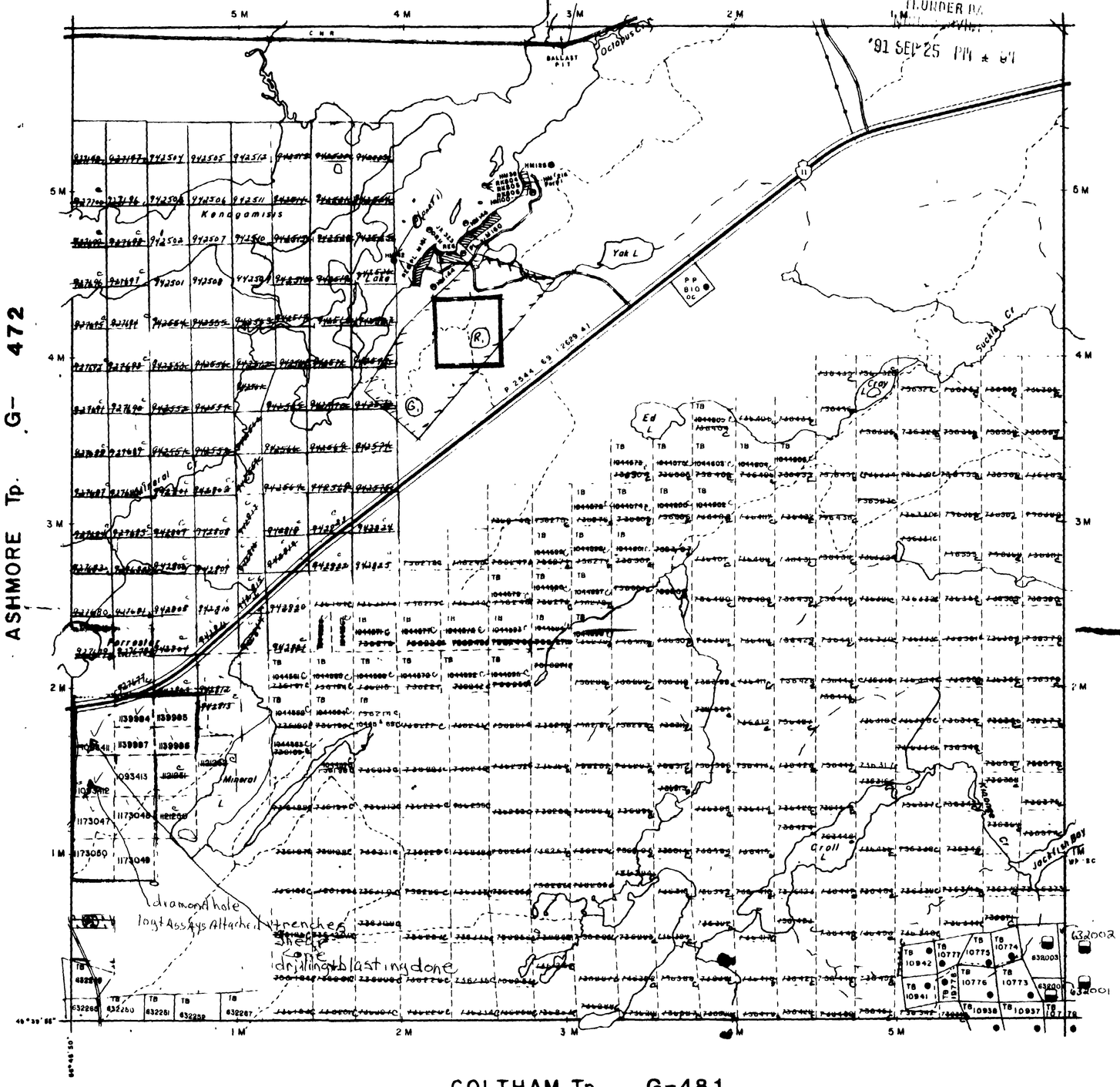
ALFRED LAKE G-189

LONGLAC & OAKES TWPS. G-307

ASHMORE Tp. G- 472

ABREY G- 321

COLTHAM Tp. G-481



HIGHWAY AND ROUTE
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
ORIGINAL SHORELINE
MARSH OR MUSKEG
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	▼
CROWN LAND SALE	CS
ORDER-IN-COUNCIL	OC
RESERVATION	(R)
CANCELLED	(X)
SAND & GRAVEL	(S)

LAND USE PERMITS FOR COMMERCIAL TOURISM OUTPOST CAMPS

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC.

SCALE 1 INCH 40 CHAINS

FEET 0 500 1000 2000 4000 6000 8000

METRES 0 200 400 600 800 1KM 2KM

TOWNSHIP

CROLL

M.N.R. ADMINISTRATIVE DISTRICT

GERALDTON

MINING DIVISION

THUNDER BAY

LAND TITLES / REGISTRY DIVISION

THUNDER BAY

Ontario Ministry of Natural Resources — Land Management Branch

Date	Number
OCTOBER, 1961	G-491
August 6, 1985	

NOTES

SR SURFACE RIGHTS MR MINING RIGHTS

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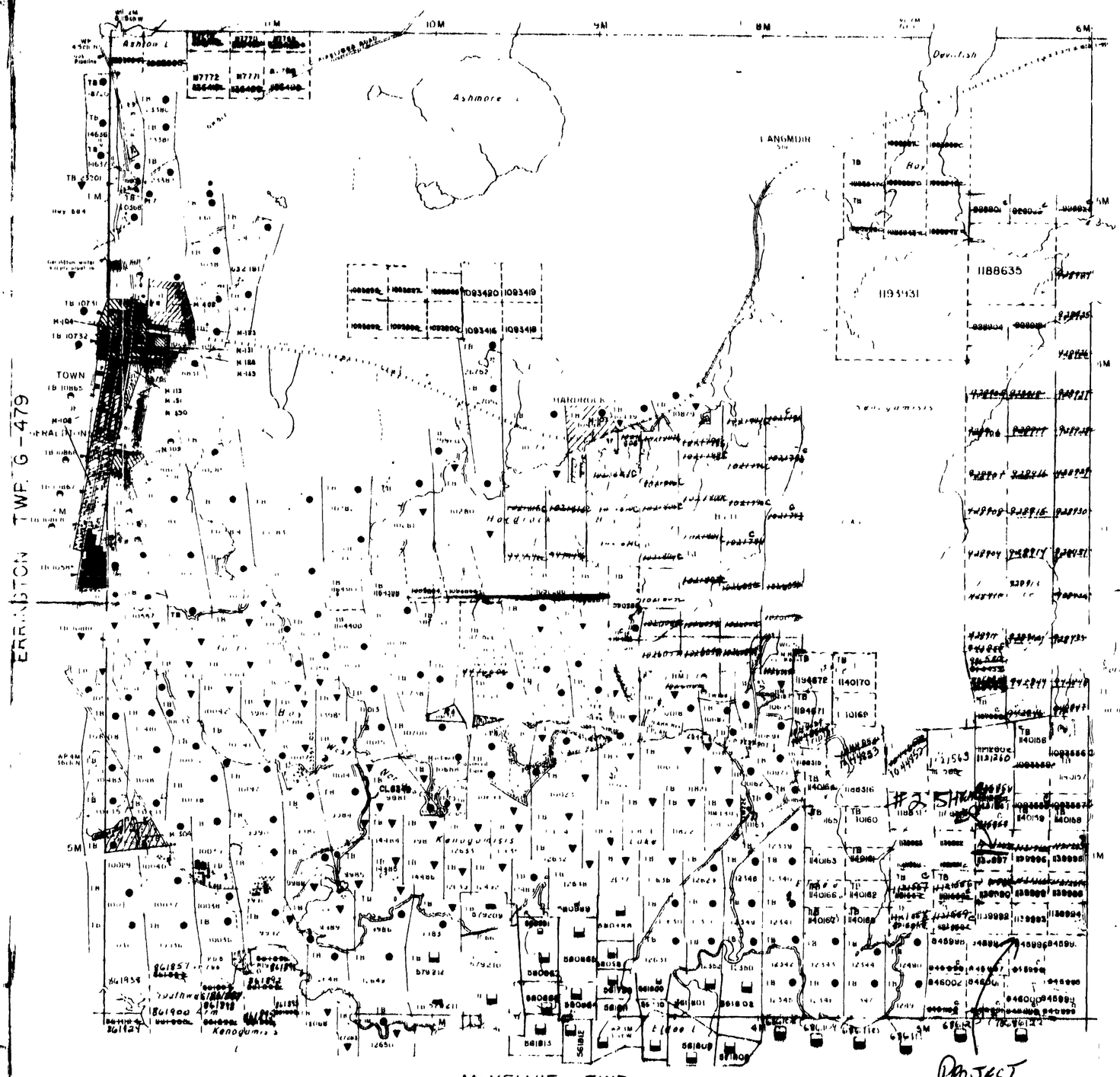
McQUESTON TWP. 189



LEGEND

- HIGHWAY AND ROUTE
- 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 MUSKEG
- 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	OC
RESERVATION	(R)
CANCELLED	(C)
SAND & GRAVEL	(S)
LAND USE PERMITS FOR COMMERCIAL TOURISM, OUTPOST CAMPS	V

NOTE

TWP. 491

P22-157

TOWNSHIP

ASHMORE

M N R ADMINISTRATIVE DISTRICT

GERALDTON

MINING DIVISION

THUNDER BAY

LAND TITLES / REGISTRY DIVISION

THUNDER BAY

Ontario Ministry of Natural Resources — Land Management Branch

January 24/1986

Date	Number
SEPTEMBER 1981	G-472