



Township of CHURCHILL

Report No: 12

Work performed by: Pacesetter Mines Limited

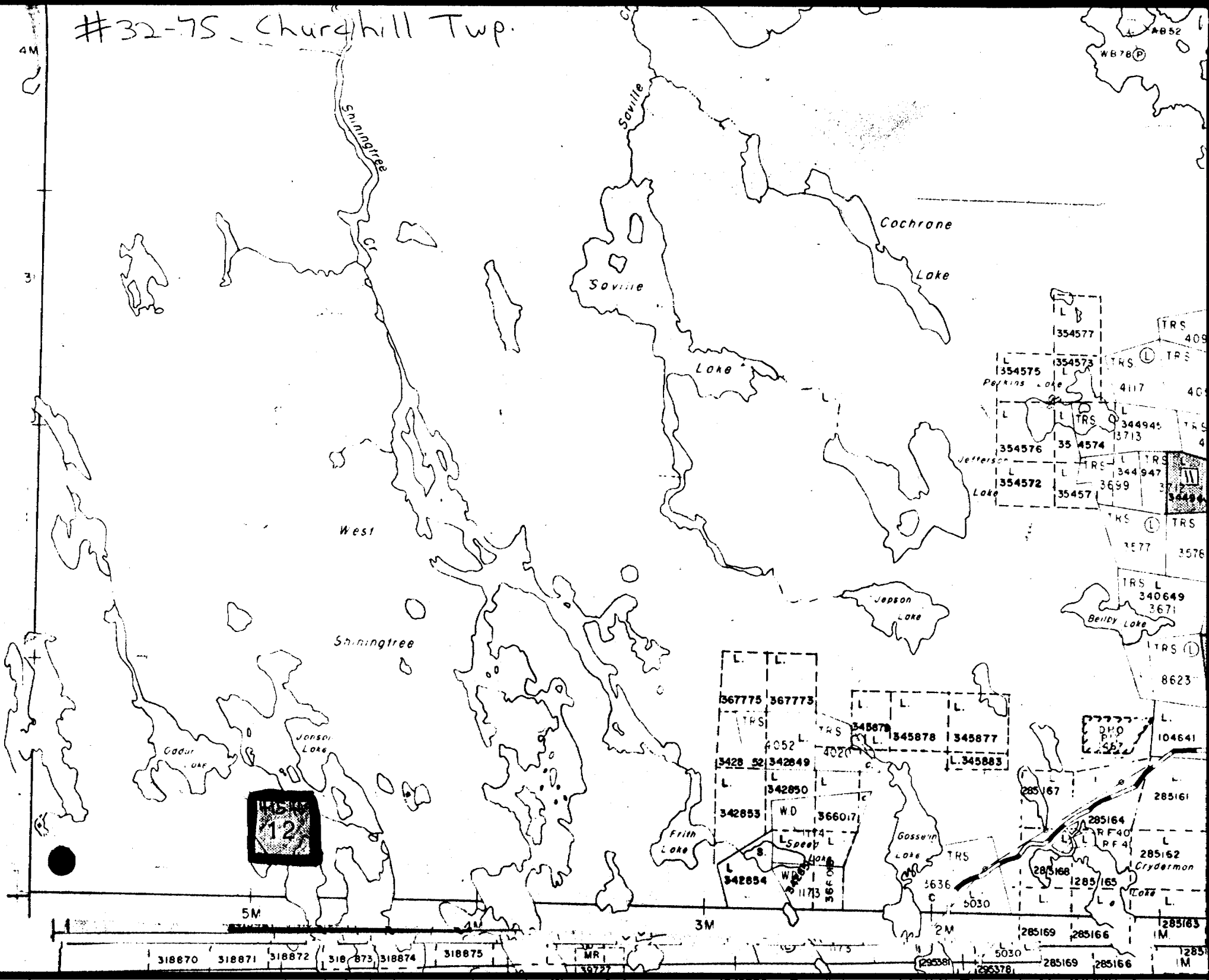
| Claim No | Hole No | Footage | Date | Note |
|----------|----------|-------------|---------|---------|
| 415469 | PA-1 | ✓ 125 | Sept/74 | (1) (2) |
| | PA-2 | ✓ 124' | Sept/74 | (1) (2) |
| | PA-3 | / 124' | Sept/74 | (1) (2) |
| | PA-4 | ✓ 124' | Oct/74 | (1) (2) |
| | PA-5 | ✓ 112' | Oct/74 | (1) (2) |
| | PA-6 | ✓ 105' | Oct/74 | (1) (2) |
| | PA-7 | ✓ 125' | Oct/74 | (1) (2) |
| | PA-8 | ✓ 125' | Oct/74 | (1) (2) |
| | <u>8</u> | <u>64</u> | | |
| | | <u>964'</u> | | |

Notes: (1) For more information see File 63.3261 Meap Contract CG-84
 (2) #32-75

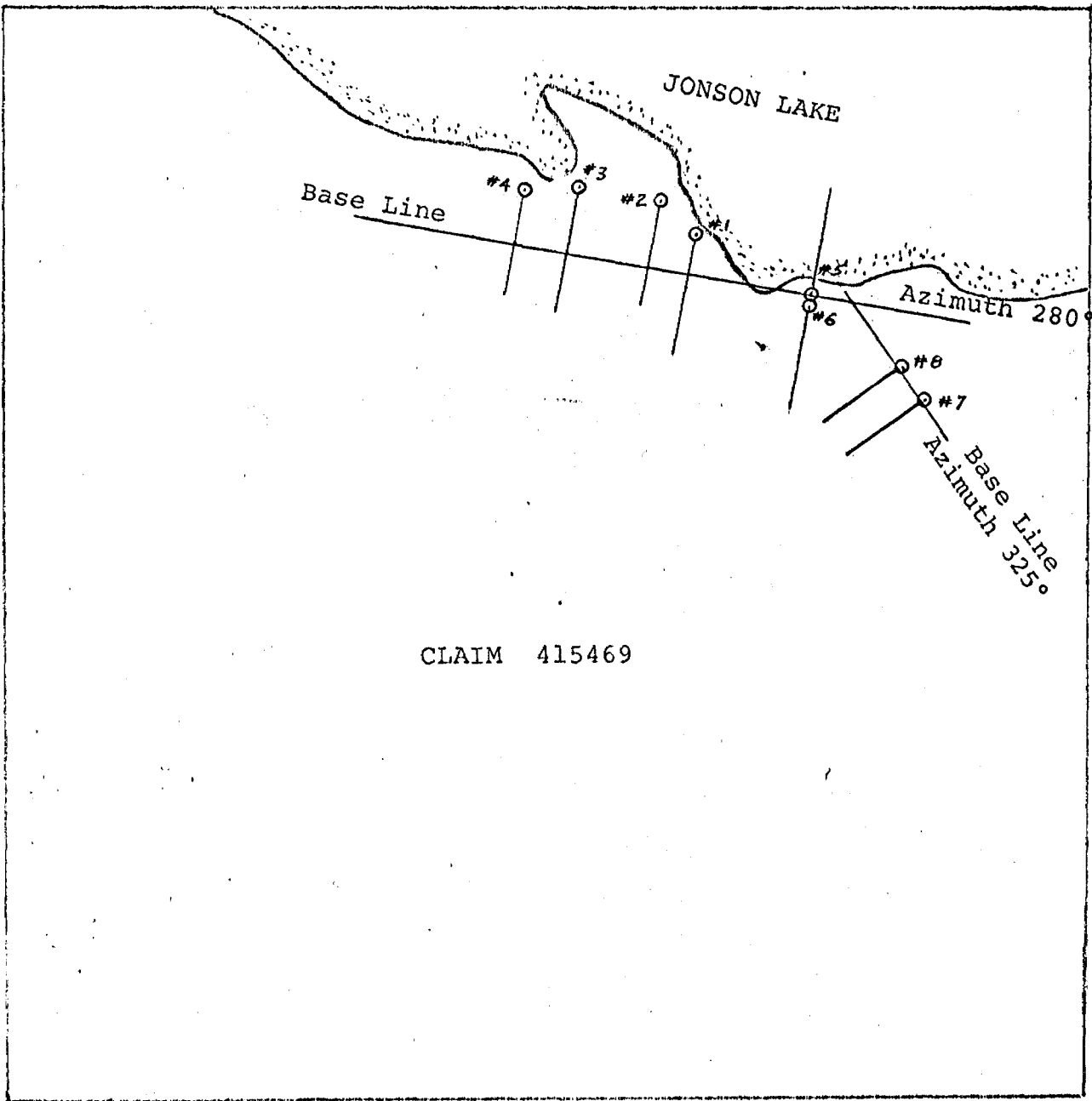
Connaught Twp. (M-1)

#32-75 Churchhill Twp.

4M
3
5M
4M
3M
2M



N
↑



CLAIM 415469

PACESETTER MINES LIMITED

CHURCHILL TOWNSHIP

ONTARIO

SCALE 1 INCH = 200 FEET



DIAMOND DRILL RECORD

PROPERTY : Pacesetter Mines Ltd *churchill*
 LOCATION : Jonson Lake, Asquith Twp.,
 District of Sudbury, Ont.
 CLAIM NO. : 415469
 LATITUDE : 0+50 N (N15°E)
 DEPARTURE : 0-W on Base Line (Az 280°)

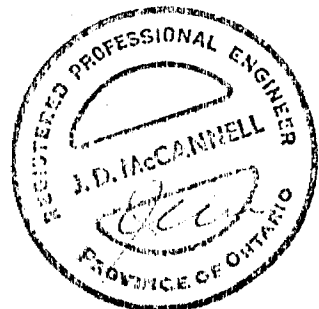
HOLE NO. : PA-1
 DIP : -45°
 BEARING : S 15° W
 LENGTH : 125 ft.
 STARTED : Sept. 20, 1974
 FINISHED : Sept. 22, 1974
 LOGGED BY: H. Dowhaluk

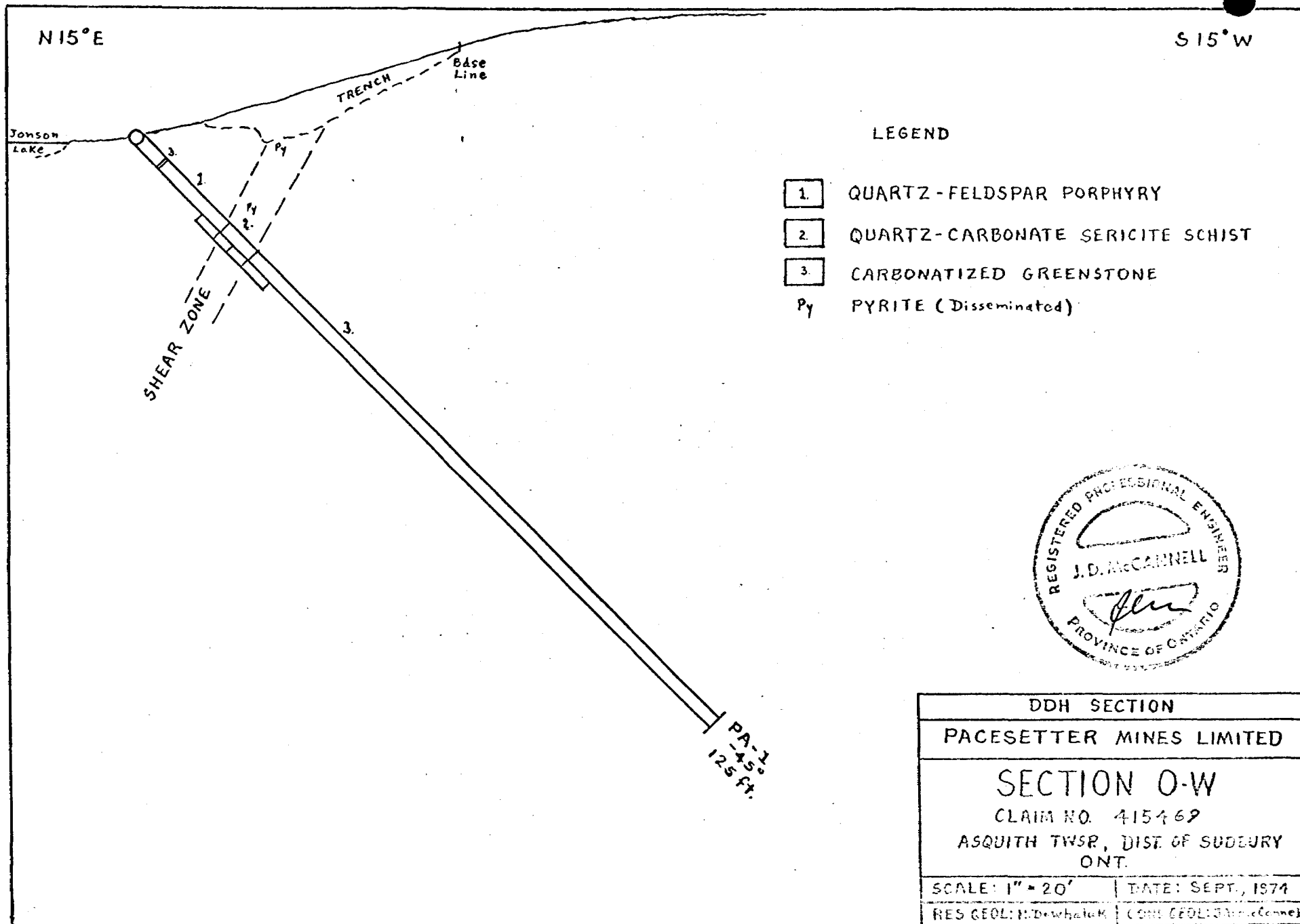
0.0-5.0 : OVERBURDEN.
 5.0-5.6 : GREENSTONE. Pale green-gray, quite siliceous, hard. Massive to slightly schistose. Less than 20% carbonate.
 5.6-19.0 : QUARTZ FELDSPAR PORPHYRY. Gray-white. Hard, massive. Matrix felsitic, pale whitish gray, feldspathic. Indistinct ghostlike phenocrysts of white feldspar from tiny specks to 1/4" size. Quartz phenocrysts irregular but tending to subrounded and up to 1/8" in diameter. Rare specks of fine disseminated pyrite occasionally.
 19.0-22.5 : QUARTZ CARBONATE SERICITE SCHIST. Qtz-carb intimately mixed with sericite schist but tending to form lenses, streaks and clots. Sericite up to 50%. Schistosity at 60° to core angle. Occasional small streaks of pyrite, disseminated. Pyrite in small cubes or pentagonal shapes and usually striated on crystal faces.
 25.0-125.0 : CARBONATIZED GREENSTONE. Color medium bluish gray. Massive to slightly schistose at 60° to core angle. Cut up by carbonate lenses (and very little quartz). Carbonate lenses about 30%. After 72.5, greenstone is a darker color and fewer carbonate lenses (about 15%). The greenstone is carbonatized right to end of the hole but the carbonate lenses get fewer and fewer and greenstone darker in color. Occasional epidote in spots. The greenstone appears to be a carbonatized andesite.

End of hole

LIST OF SAMPLES

| Sample No. | Interval | Length | Notes | Description |
|------------|-----------|---------|--------------|--|
| #2612 | 15.0-19.0 | 4.0 ft. | <u>ALL</u> | Qtz-feldspar porphyry |
| #2613 | 19.0-22.0 | 3.0 | <u>0.045</u> | Qtz-carb-ser schist, 2-3% py |
| #2614 | 22.0-25.0 | 3.0 | <u>ALL</u> | " , less py, 1% |
| #2615 | 25.0-30.0 | 5.0 | <u>ALL</u> | Carb grs w abund carb lenses & blotches, rare py |





DIAMOND DRILL RECORD

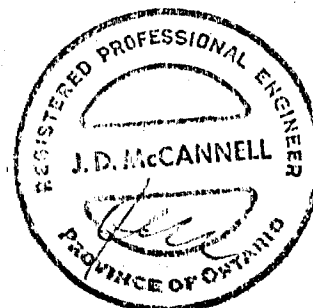
PROPERTY : Pacesetter Mines Ltd *Churchill* HOLE NO. : PA-2
 LOCATION : Jonson Lake, ~~Asquith~~ Twsp., DIP : -45°
 Dist. of Sudbury, Ont. BEARING : S 15°E
 CLAIM : 415469 LENGTH : 124 ft.
 LATITUDE : 0+82' N (N 15°E) STARTED : Sept. 23/74
 DEPARTURE : 0+50 W on Base Line (Az 280°) FINISHED : Sept. 26/74
 CORE SIZE : IEX LOGGED BY : H. Dowhaluk
 DRILLED BY : Ferguson Mining Services

- 0.0-13.5 : OVERBURDEN, casing.
 13.5-41.5 : QUARTZ FELDSPAR PORPHYRY. Pale greenish white to gray. Matrix dense, phenocrysts indistinct, whitish but some are pinkish, up to 1/3". Irregular grains of quartz, tending to subrounded shapes up to 1/8". Chlorite on fractures. Small amounts of carbonate in places and orange-brownish weathering on some fractures.
 41.5-46.5 : CHLORITE SERICITE QTZ CARBONATE SCHIST. Ly greenish gray, schistosity at 60° to core angle. A few Qtz-carbonate lines and streaks with sparse disseminated pyrite.
 46.5-70.0 : SCHISTOSE GREENSTONE. Green-gray. F-grd w white feldspathic pin-points; probably a tuff. Some very fine laminations. Schistosity at 70° to core. 5-15% carbonate streaks and thin lenses.
 70.0-102.0 : BRECCIATED GREENSTONE. As above but chopped up by 30-50% irregular carbonate fracture fillings. Breccia fragments surrounded by carbonate. Occasional fragments are amygdaloidal. Fragments tend to be rounded on edges. Tuffaceous in spots.
 102.0-105.0 : ANDESITE TUFF. Slightly darker lines alternating with lighter lines 1/8" apart. Green-gray.
 105.0-124.0 : BRECCIATED GREENSTONE. As above. Probably represents a pyroclastic zone.

END OF HOLE

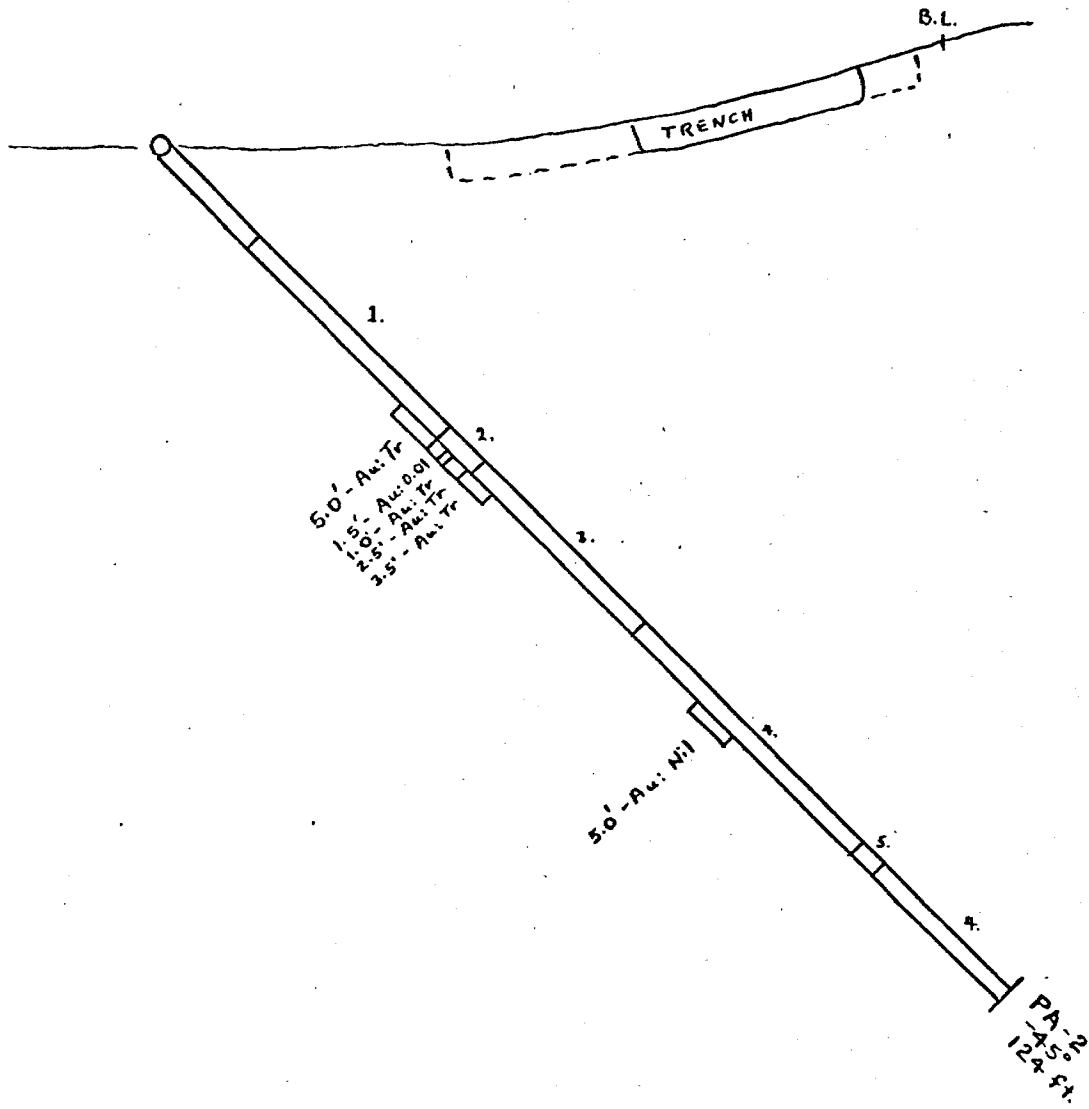
LIST OF SAMPLES

| Sample No. | Interval | Depth | Notes | Description |
|------------|-----------|---------|-------------|---|
| #2667 | 36.5-41.5 | 5.0 ft. | <u>Au</u> | Qtz-felds porphyry |
| 2668 | 41.5-43.0 | 1.5 | <u>0.01</u> | Chl-ser-carb schist, sparse disseminated pyrite |
| 2669 | 43.0-44.0 | 1.0 | <u>79</u> | As above, 1% py |
| 2670 | 44.0-46.5 | 2.5 | <u>79</u> | Chl-ser schist, rare py |
| 2671 | 46.5-50.0 | 3.5 | <u>79</u> | Schistose greenstone, carbonatized, rare py, carbonate lensing. |
| 2672 | 80.0-85.0 | 5.0 | <u>Nil</u> | Grs breccia w carbonate filling. Rare py. |



N15°E

S15°W



LEGEND

- 1. Quartz feldspar Porphyry
- 2. Chlorite-sericite-carbonate Schist
- 3. Schistose Greenstone
- 4. Brecciated Greenstone (carbonate fillings)
- 5. Tuff.



| | |
|--------------------------|-----------------------------|
| DDH SECTION | |
| PACESETTER MINES LIMITED | |
| SECTION 0+50W | |
| CLAIM 415469 | |
| CHURCHILL TOWNSHIP | |
| DISTRICT OF SUDBURY | |
| ONT. | |
| SCALE: 1"=20' | DATE: Oct. 1974 |
| Res. Geol.: R. Dewhala | Cons. Geol.: J.D. McCannell |

DIAMOND DRILL RECORD

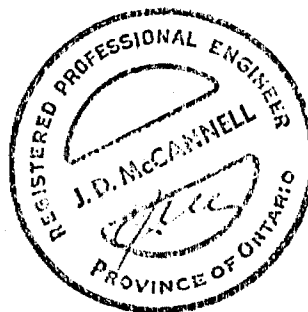
| | | | |
|-----------|---|-----------|---------------|
| PROPERTY | : Pacesetter Mines Ltd. | HOLE NO. | : PA-3 |
| LOCATION | : Jonson Lake, Churchill Twsp., Dist. of Sudbury, Ont. | DIP | : -45° |
| CLAIM NO. | : 415469 | BEARING | : S 15° W |
| LATITUDE | : 80 ft N (N15°E) | LENGTH | : 124 ft. |
| DEPARTURE | : 1+50 W on Base Line (Az 280°) | STARTED | : Sept. 27/74 |
| | | FINISHED | : Oct. 3/74 |
| | | LOGGED BY | : H. Dowhaluk |

0.0-10.0 : OVERBURDEN, CASING.
 10.0-28.4 : QUARTZ FELDSPAR PORPHYRY. Pale greenish white to gray. Matrix dense, phenocrysts of feldspar indistinct, whitish. Irregular grains of quartz.
 28.4-35.0 : CHLORITE SERICITE CARBONATE SCHIST. Abundant qtz-carbonate with up to 3% pyrite locally in the first 2 ft. Grading into next with decreasing carbonate.
 35.0-53.5 : SCHISTOSE GREENSTONE. Lt olive gray, some sericite in spots. In part greenstone schist. Probably tuffaceous material.
 53.5-91.0 : GREENSTONE BRECCIA. Cut up by qtz-carb stringers and fracture fillings. Some of the fragments are amygdaloidal. From 83.0-89.0: rather coarse-grained, ash?.
 91.0-124.0 : ANDESITE. Blue gray. Massive. Dense. Occasional carbonate lense.

END OF HOLE

LIST OF SAMPLES

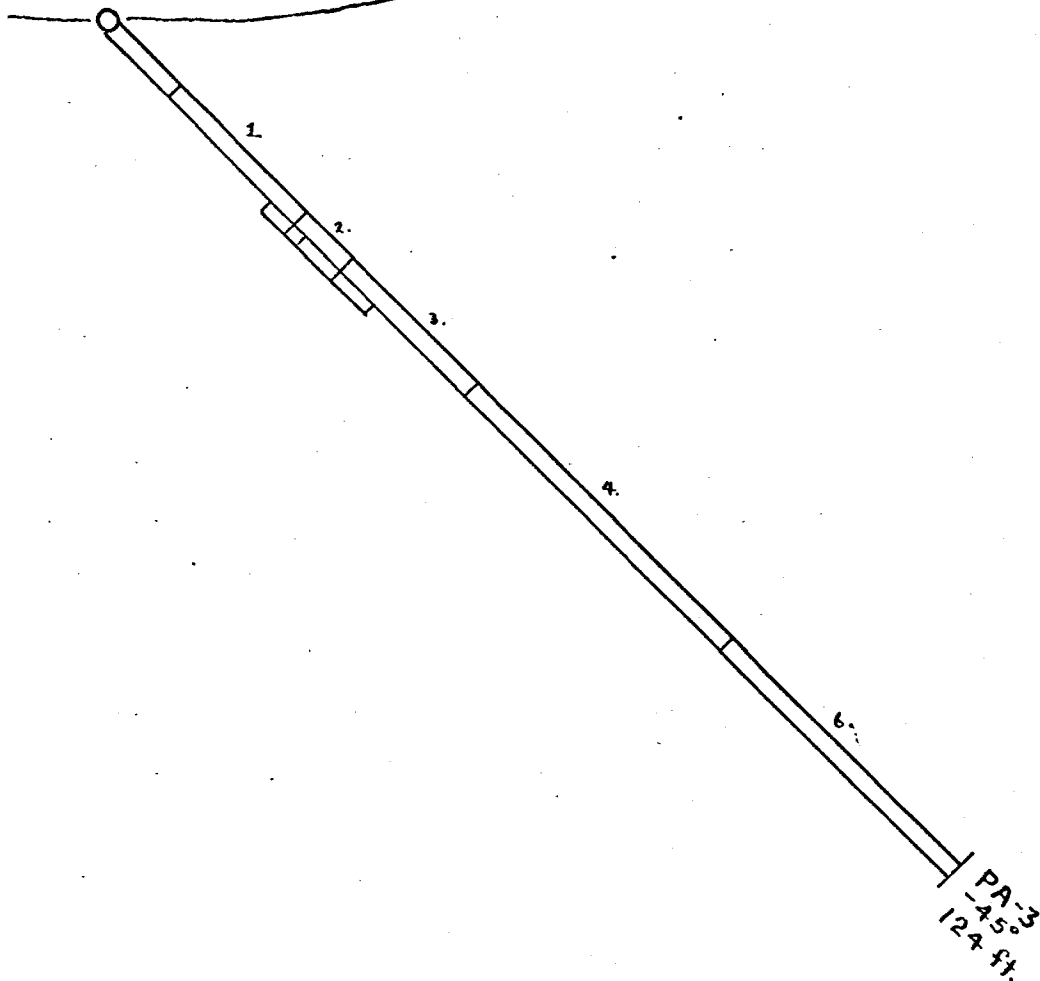
| | | | |
|----------|-----------|---------|--|
| No. 2675 | 25.0-28.4 | 3.4 ft. | <u>T2</u> Au |
| 2676 | 28.4-30.0 | 1.6 | <u>T1</u> 2-3% py |
| 2677 | 30.0-35.0 | 5.0 | <u>0.01</u> , sparse py, some green fuchsite |
| 2678 | 35.0-40.0 | 5.0 | <u>T4.</u> |



N15°E

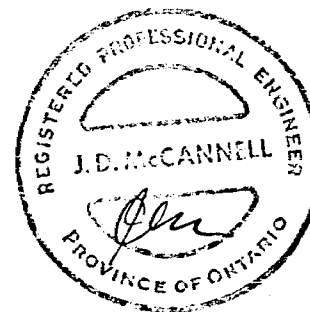
S15°W

Base
Line



LEGEND

- 1. Quartz Feldspar Porphyry
- 2. Chlorite-sericite-carbonate Schist
- 3. Schistose Greenstone
- 4. Brecciated Greenstone
- 6. Massive Greenstone (Andesite).



| | |
|--------------------------|-----------------------------|
| DDH Section | |
| PACESETTER MINES LIMITED | |
| SECTION 1+50W | |
| CLAIM 415469 | |
| CHURCHILL TOWNSHIP | |
| DISTRICT OF SUDBURY | |
| ONT. | |
| SCALE: 1"=20' | DATE: Oct., 1977 |
| Res. Geol.: H. Dowhatuk | Cons. Geol.: J.J. McCannell |

DIAMOND DRILL RECORD

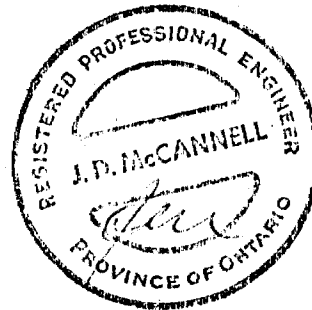
| | | | |
|-----------|--|-----------|---------------|
| PROPERTY | : Pacesetter Mines Ltd. | HOLE NO. | : PA-4 |
| LOCATION | : Jonson Lake, Churchill Twsp., DISTRICT of SUDBURY, Ont. | DIP | : -45° |
| CLAIM NO. | : 415469 | BEARING | : S15°W |
| LATITUDE | : 65 ft. N (N15°E) | LENGTH | : 124 ft. |
| DEPARTURE | : 2:20 W on Base Line (Az. 280°) | STARTED | : Oct. 4/74 |
| | | COMPLETED | : Oct. 6/74 |
| | | LOGGED BY | : H. Dowhaluk |

0.0-3.0 : OVERBURDEN, Casing.
 3.0-11.0 : QUARTZ-FELDSPAR PORPHYRY. Lt whitish gray. Rusty in spots from carbonate. Aphanitic groundmass with phenocrysts of white feldspar and irregular grains of quartz.
 11.0-15.0 : SERICITE SCHIST. Yellowish gray, compact. Some quartz-carbonate lensing. Sparse pyrite.
 15.0-30.0 : SCHISTOSE GREENSTONE. Yellowish gray. A compact rock with some sericite.
 30.0-124.0 : MASSIVE GREENSTONE. Bluish gray to greenish gray. Less than 5% qtz-carbonate lines and streaks. Darker laminations in places showing it to be a tuff, atleast in part.

END OF HOLE

LIST OF SAMPLES

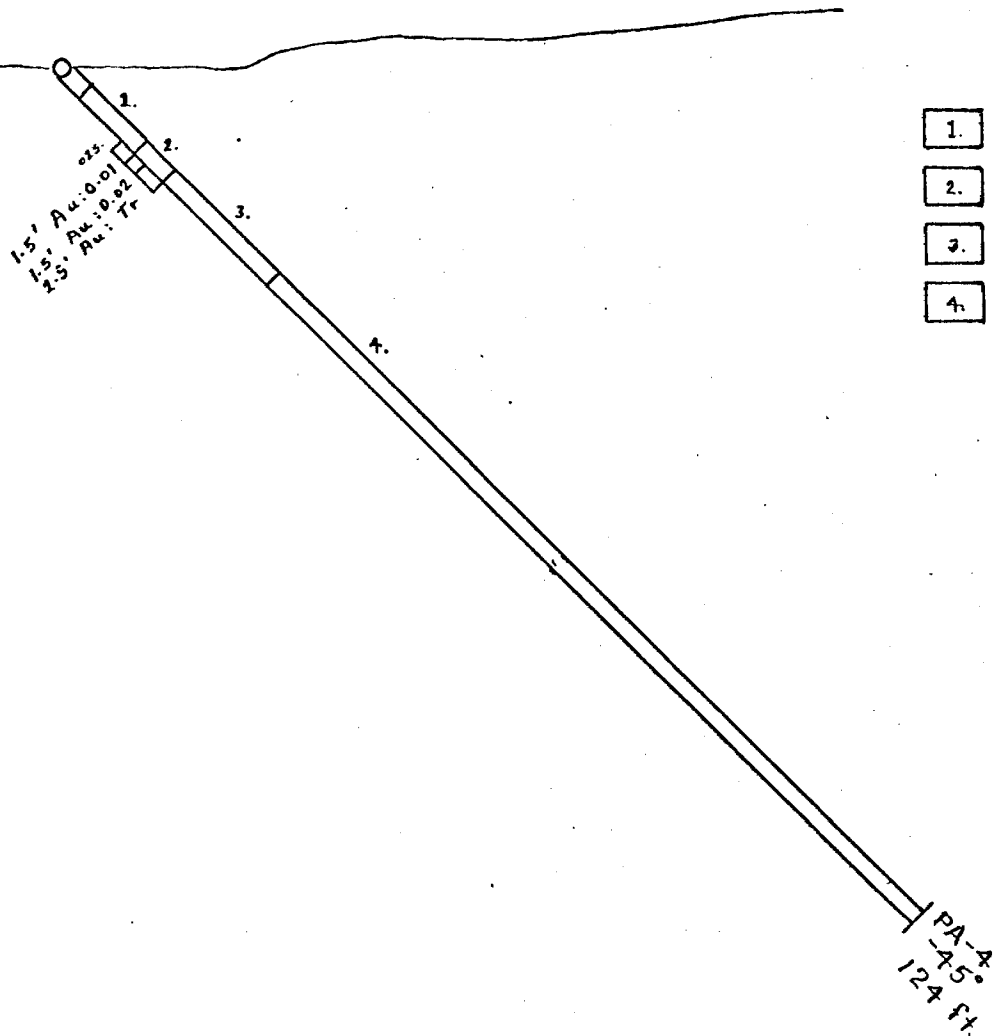
| | | | | Au | |
|-------|----------------|---------|-------------|---------------------------------------|--|
| #2679 | 9.5 - 11.0 ft. | 1.5 ft. | <u>0.01</u> | Qtz-felds porph | |
| #2680 | 11.0 - 12.5 | 1.5 | 0.02 | Chl-ser schist, up to 2% dissem py | |
| #2681 | 12.5 - 15.0 | 2.5 | Tr | Chl-ser sch, sparse py | |



N15°E

S15°W

Janson
Lake



Legend

- 1. Quartz-feldspar Porphyry
- 2. Sericite Schist
- 3. Schistose Greenstone
- 4. Massive Greenstone



| | |
|---|----------------------------|
| DDH SECTION | |
| PACESETTER MINES LIMITED | |
| SECTION 2+20W CLAIM 415469 CHURCHILL TOWNSHIP DISTRICT OF SUDBURY ONTARIO | |
| SCALE: 1"=20' | DATE: Oct, 1974 |
| RES. GEOL. H. Bachhalck | CONS. GEOL. J.D. McCannell |

DIAMOND DRILL RECORD

| | | | |
|------------|--|------------|---------------|
| PROPERTY: | Pacesetter Mines Ltd. | HOLE NO.: | PA-5 |
| LOCATION: | Jonson Lake, Churchill Twp., Dist. of Sudbury, Ont. | DIP: | -45° |
| CLAIM No: | 415469 | BEARING: | S 15° W |
| LATITUDE: | 0-N on Base Line. | LENGTH: | 112 ft. |
| DEPARTURE: | 1+50E on Base Line | STARTED: | Oct. 9, 1974 |
| | | COMPLETED: | Oct. 12, 1974 |
| | | LOGGED BY: | H. Dowhaluk |

0.0-12.0 :OVERBURDEN, Casing.
 12.0-15.0 :SCHISTOSE GREENSTONE. Green-gray, some sericite & epidote.
 5-10% qtz-carbonate lensing & streaking. Less than 2%
 pyrite.
 15.0-105.8 :SCHISTOSE GREENSTONE. Green-gray to blue-gray. Compact but
 tuffaceous at least in part. A few qtz-carb lenses and
 streaks. Some indistinct fragments without margins, ghost-
 like. Occasional amygdules in spots. Most fractures at
 50°. After 89.0, 2-3" carbonate zones that may be inter-
 fragmentary material but nothing very distinct.
 105.8-111.4:CARBONATE. White, coarse crystalline. Rare pyrite and occas-
 ional sericite.
 111.4-112.0:GREENSTONE. Massive, green-gray.

End of Hole

LIST OF SAMPLES

| | | | | |
|-------|---------------|---------|------------------------|---------------------------------------|
| #2682 | 12.0 - 15.0 | 3.0 ft. | <u>Au</u> <u>Ta</u> | Less than 2% py & qtz- carb lenses |
| #2683 | 105.8 - 111.4 | 5.6 | <u>Ta</u> | White carb, rare py |



DIAMOND DRILL RECORD

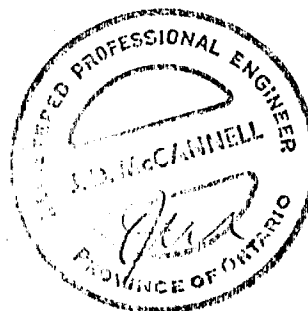
| | | | |
|------------|---|-----------|-------------|
| PROPERTY: | Pacesetter Mines Ltd. | HOLE NO. | PA-6 |
| LOCATION: | Jonson Lake, Churchill Twsp., Dist. of Sudbury, Ont. | DIP | -45° |
| CLAIM NO: | 15469 | BEARING | N 15° E |
| LATITUDE: | 14 ft. S15°W | LENGTH | 105 FT. |
| DEPARTURE: | 1+50 E on Base Line | STARTED | Oct. 13/74 |
| | | COMPLETED | Oct. 17/74 |
| | | LOGGED BY | H. Dowhaluk |

0.0-24.0 :OVERBURDEN, casing.
 24.0-67.0 :GREENSTONE. Dk green-gray. Some lapillistone from 24.0-27.0, then larger fragments to 30 ft. Much epidote and sericite. In part tuffaceous with qtz-carb streaking and veinlets. Increasing schistosity @ 50°.
 67.0-86.3 :FRAGMENTAL GREENSTONE. Fragments small, elongated, indistinct. Some qtz-carb lensing. Distinctly foliated but rather massive. Schistosity @75' - 45°, 77' - 40°, 80' - 20°, 86' - 20°.
 86.3-105.0 :DIABASE. Black, f-grd, purplish chilled edge @ 60°.

End of Hole

Sample:

| | | | | |
|-------|-----------|---------|------------------|---|
| #2684 | 84.2-86.3 | 2.1 ft. | Au <u>Nil</u> | Foliated frag lava next to dike, rare pyrite. |
|-------|-----------|---------|------------------|---|



DIAMOND DRILL RECORD

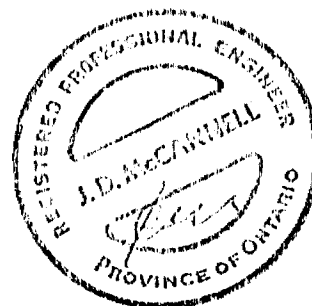
PROPERTY : Pacesetter Mines Ltd.
 LOCATION : Jonson Lake, Churchill Twsp.,
 District of Sudbury, Ont.
 CLAIM NO. : 415469
 LATITUDE : 10' N55°E of B.L.#2
 DEPARTURE : 1+50 SE
 DRILLED BY : Ferguson Mining Services

HOLE NO. PA-7
 DIP -45°
 BEARING S 55° W
 LENGTH 125 FT.
 STARTED Oct. 18, 1974
 COMPLETED: Oct. 20, 1974
 LOGGED BY: H. Dowhaluk

0.0-7.0 : OVERBURDEN. Casing.
 7.0-8.2 : DIABASE. Gray-black. F-grd. Ophitic texture. Faint streaking
 at 40° to core angle.
 8.2-12.0 : DIORITIC GREENSTONE. Green-gray. F-grd. High epidote content.
 Red hematite on fractures.
 12.0-22.0 : DIABASE. Black, f-grd to dense towards end (chilled edge).
 22.0-125.0 : CARBONATIZED GREENSTONE. Med green-gray, dioritic near start.
 Quite foliated at 40° near diabase. Occasional lines of
 graphitic material. Lighter gray after about 75 ft (more
 carbonate).
 91.5-93.5: Seam. Sand & broken chips of schist (greenstone)
 99.4-102.8: Carbonate, whitish, some py.
 END OF HOLE

List of Samples
 Au(ozs/ton)

| | | | | |
|-------|------------|------|-------|--|
| #2685 | 91.5-93.5 | 2.0' | .Nil. | Sand from seam. Brownish w rusty greenstone schist chips. |
| #2686 | 97.0-99.4 | 2.4 | Nil | Carbonatized greenstone w scattered carbonate lenses. Some pyrite, less than 2%. |
| #2687 | 99.4-102.8 | 3.4 | Tr | Pale grayish white carbonate, Less than 2% pyrite. |



DIAMOND DRILL RECORD

| | | | |
|-------------|--|------------|-----------------|
| PROPERTY | : Pacesetter Mines Ltd. | HOLE NO. | PA-8 |
| LOCATION | : Jonson Lake, Churchill Twsp., District of Sudbury, Ont. | DIP | -45° |
| CLAY NO. | : 415469 | BEARING | S 55° W |
| LATITUDE | : 5' N55°E of B.L.#2 | LENGTH | 125 ft. |
| DEPARTURE | : 1+00 SE | STARTED | : Oct. 21, 1974 |
| DRILLED BY: | : Ferguson Mining Services | COMPLETED: | Oct. 23, 1974 |
| | | LOGGED BY: | H. Dowhaluk |

0.0-4.0 : OVERBURDEN. Casing.
 4.0-11.4 : DIABASE: F-grd, black. Massive, ophitic texture.
 11.4-18.0 : QUARTZ FELDSPAR PORPHYRY. Whitish gray. Small whitish,
 anhedral phenos of feldspar. Quartz grains are indistinct.
 No chilled edge on next contact but quite distinct @ 60°.
 18.0-108.6 : GREENSTONE. Green-gray to blue-gray. Somewhat carbonatized.
 After 85 ft., grayer, more carbonatized.
 108.6-110.5 : CARBONATE. White, crse crystalline.
 110.5-125.0 : GREENSTONE. Carbonatized. Gray, massive, dense.

End of hole

Sample:

#2688 108.6-110.5 1.9 ft. Au: Nil White carbonate, minor pyrite

