



42A04W0122 22 KENOGAMING

DIAMOND

TOWNSHIP: KENOGAMING TWP.

REPORT NO: 22

WORK PERFORMED FOR: Halley Resources Ltd.

RECORDED HOLDER: SAME AS ABOVE (xx)

: OTHER ()

| <u>CLAIM NO.</u> | <u>HOLE NO.</u> | <u>FOOTAGE</u> | <u>DATE</u> | <u>NOTE</u> |
|------------------|-----------------|----------------|-------------|-------------|
| P 1025231 | H88-2 | 401' | Sept/88 | (1) ✓ |
| P 998380 | H88-3 | 401' | Sept/88 | (1) ✓ |
| P 1025231 | H88-5 | 567' | Oct/88 | (1) ✓ |
| P 1025230 | H88-7 | 735' | Sept/88 | (1) ✓ |
| P 998379 | H88-8 | 156' | Sept/88 | (1) ✓ |
| | H88-9 | 188' | Sept-Oct/88 | (1) ✓ |
| | H88-10 | 340' | Oct/88 | (1) ✓ |
| P 1025231 | H88-15 | 500' | Oct/88 | (1) ✓ |
| P 1086200 | H88-16 | 516' | Nov/88 | (1) ✓ |
| | H88-17 | 600' | Nov/88 | (1) ✓ |

10

4404'

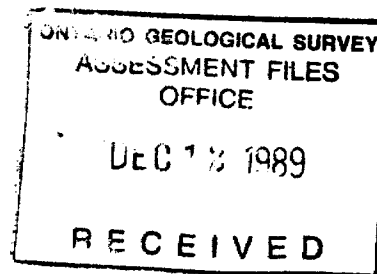
NOTES: (1) # W8906.536, filed Dec/89
& # W8906.552, filed Dec/89

HALLEY RESOURCES LTD - CLAIM STATUS SUMMARY SHEET

PROPERTY - KENOGAMING TWP - AKWESKWA LAKE

Total - 22 claims

| Claim No. | Record Date | Staked By | Location | WORK DONE | Assess Credits | STATUS |
|-----------|-------------|--------------|----------------|-----------|----------------|---------------|
| P.998379 | 08/12/87 | Mark Kean | Kenogaming Twp | BOREHOLES | H88-8, | H88-9, H88-10 |
| P.998380 | 08/12/87 | Mark Kean | Kenogaming Twp | BOREHOLE | H88-3 | |
| P.1025230 | 08/20/87 | Mark Kean | Kenogaming Twp | BOREHOLE | H88-7 | |
| P.1025231 | 08/20/87 | Mark Kean | Kenogaming Twp | BOREHOLES | H88-2, | H88-5, H88-15 |
| P.1025232 | 08/20/87 | Mark Kean | Kenogaming Twp | | | |
| P.1025233 | 08/31/87 | Mark Kean | Kenogaming Twp | | | |
| P.1025868 | 08/31/87 | Mark Kean | Kenogaming Twp | | | |
| P.1075112 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1075113 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1075114 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1075115 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1075116 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1075117 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1075118 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1075119 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1075120 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1075121 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1075122 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1075123 | 08/16/88 | B. Pigeon | Kenogaming Twp | | | |
| P.1086200 | 08/22/88 | Mark Kean | Kenogaming Twp | BOREHOLE | H88-16, | H88-17. |
| P.1086201 | 08/22/88 | Mark Kean | Kenogaming Twp | | | |
| P.1048927 | 09/88 | T Obradovich | Kenogaming Twp | | | |

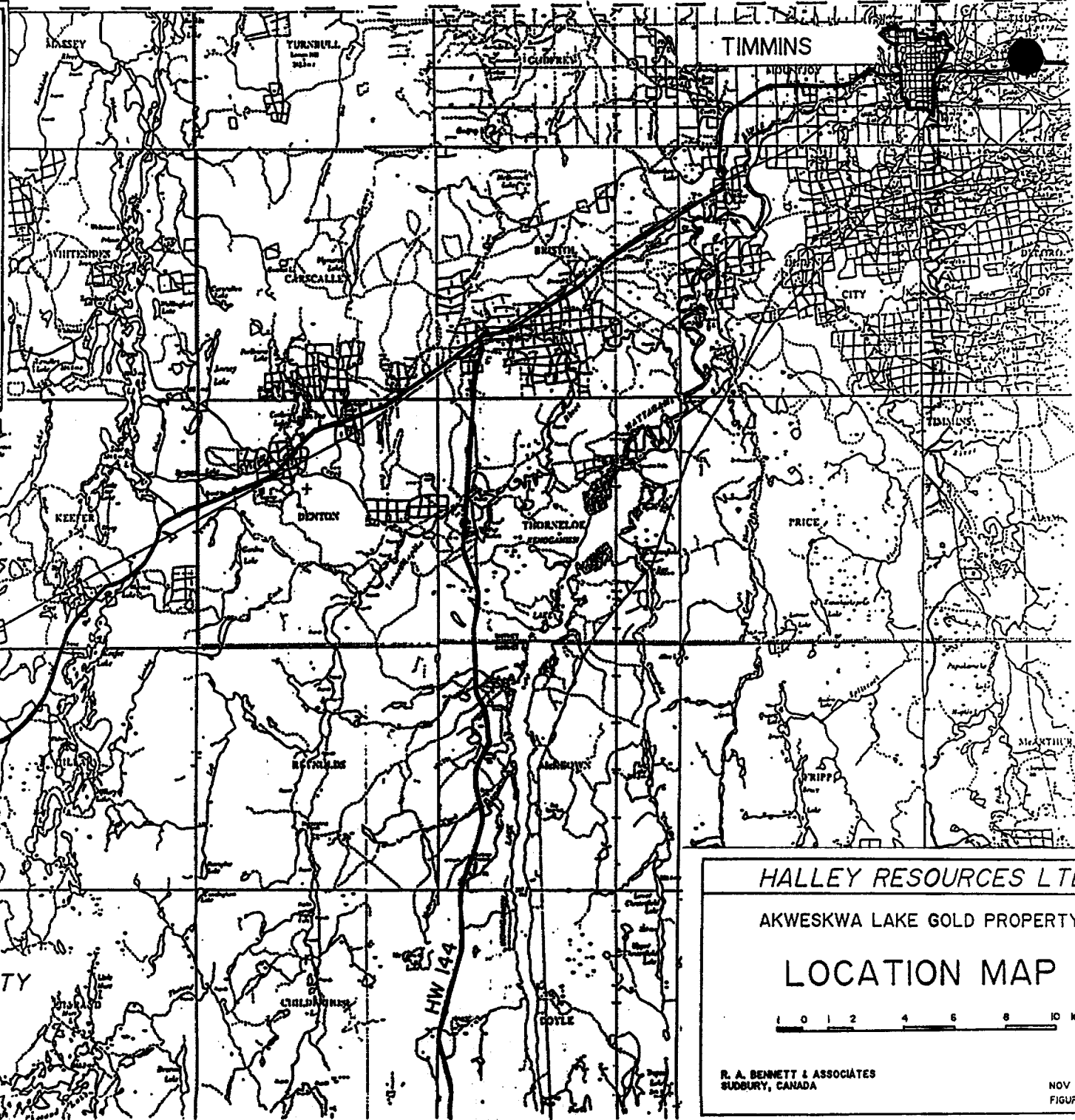
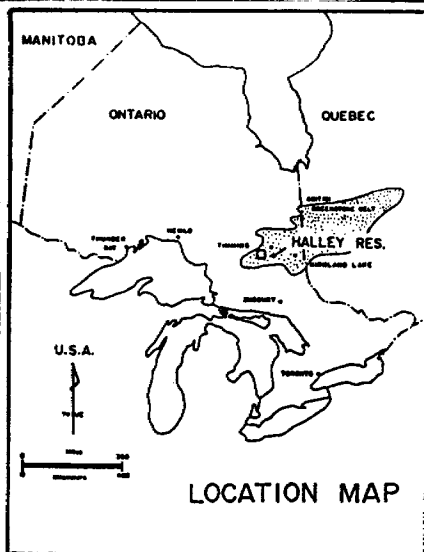


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HALLEY RESOURCES LIMITED - BOREHOLE SUMMARY SHEET

1988 AKWESKWA LAKE GOLD PROJECT

| HOLE # | LOCATION (MPH Grid) | DATE Started | AZIMUTH Deg. | DIP Deg. | DATE Ended | LENGTH Feet | DIP TESTS |
|-------------------|-------------------------|-----------------------|-----------------|-----------------|-----------------------|-----------------|--|
| H88-1 | 6+55E, 6+80S | Sept 8/88 | 030° | -45° | Sept 11/88 | 401' | 200- 40°, 400- 37° |
| H88-2 | 5+50E, on BL | Sept 7/88 | 030° | -45° | Sept 11/88 | 401' | 200- 40°, 400- 37° |
| H88-3 | 7+35E, 3+15N | Sept 12/88 | 180° | -45° | Sept 15/88 | 401' | 200- 39°, 400- 34° |
| H88-4 | 5+50E, 6+80S | Sept 19/88 | 210° | -45° | Sept 22/88 | 567' | 200- 43°, 400- 41° |
| H88-5 | 5+50E on BL | Oct 7/88 | 210° | -45° | Oct 11/88 | 567' | 200- 43°, 400- 41° |
| H88-6 | 3+35E, 0+80S | Sept 23/88 | 030° | -60° | Sept 27/88 | 735' | 200- 55°, 400- 49° 600- 43° |
| H88-7 | 3+35E, 0+80S | Sept 23/88 | 030° | -60° | Sept 27/88 | 735' | 200- 55°, 400- 49° 600- 43° |
| H88-8 | 4+05N, 6+37E | Sept 27/88 | 030° | -45° | Sept 29/88 | 156' | 146- 40° |
| H88-9 | 4+05N, 6+37E | Sept 29/88 | 030° | -60° | Oct 4/88 | 188' | 187- 58° |
| H88-10 | 5+00N, 6+40E | Oct 4/88 | 210° | -45° | Oct 6/88 | 340' | 200- 46° |
| H88-11 | 5+50E, 6+80S | Sept 19/88 | 210° | -45° | Sept 22/88 | 567' | 200- 43°, 400- 41° |
| H88-12 | 1+00S, 6+80E | Oct 25/88 | 210° | -45° | Oct 31/88 | 500' | 300- 47°, 500- 47° |
| H88-13 | 1+00S, 6+80E | Oct 25/88 | 210° | -45° | Oct 31/88 | 500' | 300- 47°, 500- 47° |
| H88-14 | 6+80S, 6+50E | Oct 21/88 | 210° | -60° | Oct 24/88 | 507' | 200- 51°, 507- 57° |
| H88-15 | 1+00S, 6+80E | Oct 25/88 | 210° | -45° | Oct 31/88 | 500' | 300- 47°, 500- 47° |
| H88-16 | East of Lake | Nov 3/88 | 210° | -45° | Nov 5/88 | 516' | 200- 42°, 500- 34° |
| H88-17 | East of Lake | Nov 6/88 | 030° | -45° | Nov 11/88 | 600' | 300- 40°, 600- 33° |



HALLEY RESOURCES LTD.

AKWESKWA LAKE GOLD PROPERTY

LOCATION MAP



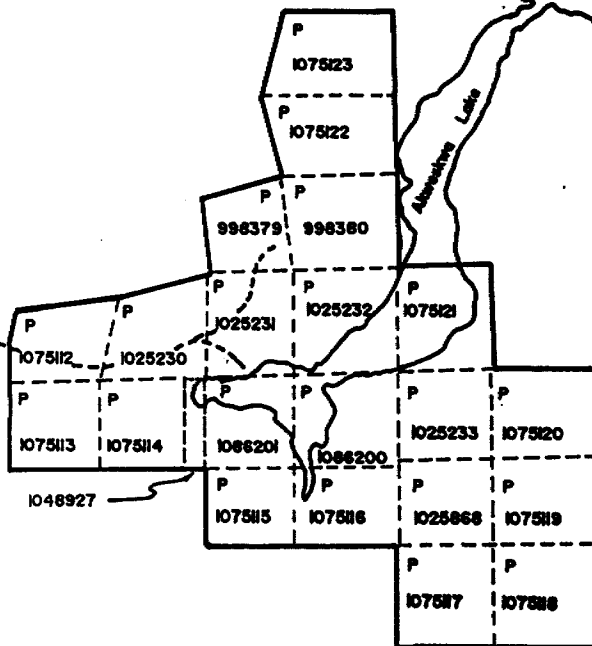
R. A. BENNETT & ASSOCIATES
SUDBURY, CANADA

NOV 1988
FIGURE 1A

To Timmins - 44 km
To Highway 101 - 12 km

Kenogaming Forest Access Road

Bush Road



KENO GAMING
TWP.

5.0 M

4.0 M

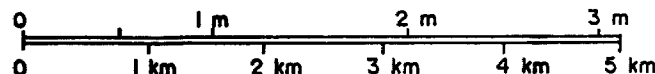
3.0 M

PHARAND TWP.

HALLEY RESOURCES LTD.

AKWESKWA LAKE GOLD PROPERTY

CLAIM MAP



R. A. BENNETT & ASSOCIATES
SUDBURY, CANADA

AUG 1988

Plots

HALLEY RESOURCES LTD - BOREHOLE LOG

H88-2

HOLE # H88-2 CO-OR: 5+50E on Baseline DIP: - 45° @ 030 Az LENGTH: 401ft.

| FOOTAGE ft | GEOLOGY | CA | SAMPLE # | ASSAY ppb | Other |
|---------------|---|----|----------|--------------|--------------------------|
| 0-20 | Overburden. Start of Core | | | | DIP TESTS |
| 20-23 | Andesite - grey grn, massive to weakly schistose at 40°, < 1% pyrite | 40 | | | 200' - 40° 400' - 37° |
| 23-31.5 | Feldspar Porphyry -fg, burgundy and grey siliceous matrix with 20% white feld crystals & very minor py. Contacts at | 45 | | Au ppb | Cu ppm |
| 31.5-34 | Silicified Schistose Andesite - well banded with 1% py. Possible inclusion | 40 | 33691 | 4 | 12 |
| 34-38.5 | Feldspar Porphyry - pale grn, more silicified & cut by several white qtz vns with 2% coarse brown pyrite. At 36-38.5 - 50% Qtz vein @ 40° with 5% pyrite. | | 33692 | 11 | 12 |
| 38.5-43.3 | Feldspar Porphyry as above | | 33693 | 8 | 28 |
| 43.3-47 | Andesite - green, massive to well foliated @ 40° + minor pyrite & few calcite-filled fractures. | | 33694 | 7 | 14 |
| 47-52 | Andesite as above | | 33695 | 7 | 16 |
| 52-57 | Andesite as above | | 33696 | 5 | 18 |
| 57-62 | Andesite as above | | 33697 | 10 | 174 |
| 62-67 | Andesite as above | | 33698 | 5 | 12 |
| 67-73 | Andesite as above. Sharp lower contact @ | 35 | 33699 | 5 | 22 |
| 73-78 | Feldspar Porphyry - pale green, weakly fol'd @ 40°, < 1% pyrite | | 33700 | 5 | 24 |
| 78-82.5 | Feldspar Porphyry as above. Chilled ct @ 60° | 60 | 33701 | 7 | 50 |
| 82.5-87 | Andesite - green/grey, fg, massive to weakly foliated @ 55°. < 1% pyrite | 55 | 33702 | 12 | 38 |
| 87-92 | Andesite as above | | 33703 | 7 | 16 |
| 92-97 | Andesite as above | | 33704 | 16 | 36 |
| 97-101 | Andesite as above but becomes strongly foliated & silicified. Sharp LC at 75° | 75 | 33705 | 15 | 42 |
| 101-106 | Feldspar Porphyry - fg, pale green matrix with cg white subhedral feldspar xl's to 5 mm in diameter. Locally foliated @ 55° | 55 | 33706 | 4 | 22 |
| 106-111 | Feldspar Porphyry as above | | 33707 | 4 | 12 |
| 111-116 | Feldspar Porphyry as above | | 33708 | 8 | 22 |
| 116-121 | Feldspar Porphyry as above + few white, vuggy quartz veins filling open fractures | | 33709 | 5 | 18 |
| 121-125 | Feldspar Porphyry as before | | 33710 | 4 | 12 |

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE

DEC 12 1989

RECEIVED

continued . . . page 2.

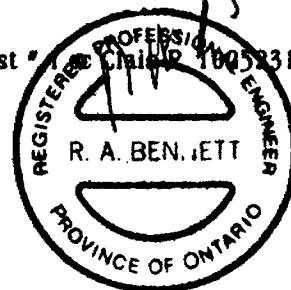
| | | | Au ppb | Cu ppm |
|-------------|--|-------|-----------|-----------|
| 125-129 | Feldspar Porphyry as above. Sharp LC @ 45 | 33711 | 3 | 18 |
| 129-134 | Andesite - wkly foliated to schistose @ 45-50 | 33712 | 5 | 40 |
| 134-138 | Andesite - as above + 1ft zone of granophyric metasomatism at 137 ft @ 60°. Grnl cts. | 33713 | 7 | 30 |
| 138-142 | Andesite - wkly foliated and schistose as before | 33714 | 10 | 38 |
| 142-145 | Sericite Schist - pale grey, highly altered with 10% pyrite in bands @ 45°. HT Alteration zone | 33715 | 27 | 100 |
| 145-172.5 | Andesite as before - massive, green, weakly foliated with only minor disseminated pyrite & few white fracture fill quartz veins at 60°. Last 5 ft more schistose @ 50 to 30°. LC @ 50 | | | |
| 172.5-182.5 | Feldspar Porphyry - fg. pale green to grey matrix with minor dissem. pyrite with large subhedral white feldspar xls. Sharp LC @ 55 | | | |
| 182.5-230 | Andesite - fg. green, quite mass to wkly fol'd @ 40-60°. Rare pyrite. | | | |
| 230-240 | Andesite - as above but with some strongly laminated (cherty) bands @ 60°. Rare pyrite | | | |
| 240-245 | Andesite as above | 33716 | 7 | 58 |
| 245-249 | Andesite - fg. grn. strongly fol'd @ 50°, locally silicified & sericitized with 2-5% dissem pyrite & bands of pyrite | 33717 | 10 | 60 |
| 249-253 | Andesite as above | 33718 | 11 | 80 |
| 253-257 | Andesite as above with local epidote altn | 33719 | 5 | 94 |
| 257-264 | Andesite as above | 33720 | 4 | 42 |
| 264-267 | Andesite as before | 33721 | 7 | 48 |
| 267-272 | Andesite as above | 33722 | 4 | 62 |
| 272-277 | Andesite as above | 33723 | 5 | 42 |
| 277-282 | Andesite as above with loc epidote altn | 33724 | 7 | 72 |
| 282-287.5 | Andesite as before | 33725 | 5 | 30 |
| 287.5-292 | Andesite grades to strongly fol'd to schistose @ 60°, showing light grey-green, cherty laminae. Some pyrite-rich bands associated with sericite altered bands. Few barren white qtz veins. | 33726 | 8 | 54 |
| 292-297 | Andesite as above | 33727 | 4 | 90 |
| 297-302 | FAULT ZONE - strongly chloritic & sheared, highly altd zone centered around a 6" gouge zone. POSSIBLE IP ANOMALY. 299-302' - Sericite Schist Zone - vfg, thinly & strongly laminated @ 60° with light grey sericitic & dark grey andesitic bands, minor chloritoid crystal development. | 33728 | 8 | 72 |

| | | | Au ppb | Cu ppm |
|---------|--|-------|-----------|-----------|
| 302-305 | Andesite as before - mg, chloritic, | 33729 | 5 | 42 |
| 305-307 | Qtz-Sericite-Schist - grey-pale gy, finely laminated siliceous tuff with 1% diss pyrite. | 33745 | 29 | 36 |
| 307-312 | Andesite - grey/green, weakly to moderately foliated. Some minor sericitized bands @ 50-60' | 33730 | 5 | 32 |
| 312-317 | Andesite as above | 33731 | 11 | 94 |
| 317-322 | Andesite as above | 33732 | 4 | 40 |
| 322-327 | Andesite as above | 33733 | 4 | 38 |
| 327-331 | Andesite as above with grey/burgundy feldspar porphyry dyke between 327-328' @ 65' | 33734 | 5 | 64 |
| 331-334 | FAULT ZONE - green, highly chloritic, soft (serp) alteration zone centered around a 2" chlorite mud seam @ 332.5' at 55' | 33735 | 8 | 58 |
| 334-338 | Andesite - grey/green, foliated @ 60-70', some sericitic bands and few white qv with minor py | 33736 | 8 | 94 |
| 338-342 | Andesite as above | 33737 | 4 | 48 |
| 342-347 | Andesite as above | 33738 | 4 | 30 |
| 347-352 | Andesite as above | 33739 | 5 | 42 |
| 352-357 | Andesite as above | 33740 | 5 | 36 |
| 357-362 | Andesite as above | 33741 | 5 | 56 |
| 362-367 | Andesite as above | 33742 | 4 | 38 |
| 367-372 | Andesite as above | 33743 | 5 | 34 |
| 372-377 | Andesite as above | 33744 | 5 | 44 |
| 377-384 | Andesite as above with sharp LC @ 55' | | | |
| 384-395 | Granophyre Dyke - cg, massive, grey, chlorite & biotite xl's in grey to locally pink feldspathic matrix. Very sharp LC @ 55' | | | |
| 395-401 | Andesite - green, wkly fol'd to mass | | | |

FOOT OF HOLE - 401'

H88-2 was drilled by Trans-Arctic Explorations Limited of Vancouver, B.C. It was started September 7th, 1988 and completed September 11th, 1988. 21 Core Boxes.

H88-2 is located 157 meters south and 150 meters west of post # 1005231, Kenogaming Township, Porcupine Mining Division, Ontario.

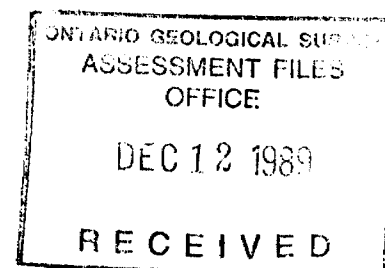


HALLEY RESOURCES LTD. - BOREHOLE LOG

H88-3

HOLE # H88-3 CO-OR: 7+35E, 3+15N DIP: -45'S LENGTH: 401 ft.

| FOOTAGE ft | GEOLOGY | CA | SAMPLE # | ASSAY | Other ppb |
|---------------|--|----|----------|-------|--------------------------|
| 0-20 | Overburden. Start of Core | | | | DIP TESTS |
| 20-25 | Andesite - green, massive to weakly foliated flow. Becomes pink/orange & silicified adjacent to qtz-carb filled fractures @ 40°. Rare pyrite. | | | | 200' - 39' 400' - 34' |
| 25-52 | Andesite - strongly foliated to schistose with chloritic & sericitic bands within massive lava Schisosity @ 45°. Rare pyrite. | | | | |
| 52-85 | Andesite - green, massive to wky foliated flow cut by a few q-c fracture fills with associated sericite alteration @ 45°. Sharp LC- 50 | | | | |
| 85-87 | Chert - aphanitic to vfg. very hard, closely laminated, barren, chemical sediment @ 45° 45 | | | | |
| 87-90 | Andesite - massive as before | | | | |
| 90-98 | Silicified Andesite - schisted. Pink/orange, highly silicified & altered. Foliation @ 40° 40 | | | | |
| 98-106.9 | Silicified Andesite - green, well laminated & foliated with minor chloritoid development within pale, sericitized bands @ 30. Sharp ct -60 | | | | |
| 106.9-137 | Amphibolite - mg to cg, pale green, massive to schistose with blady to radiating chlorite after amphibole. Minor kinking. Chlorite mud seam @ 135'. Virtually no sulphides. Sharp LC @ 40 | | | | |
| 137-147 | Andesite - massive, pale green, weakly altered & fractured with rare pyrite xl's. Becoming more altered down the hole. | | | | Au Cu |
| 147-152 | Andesite - pale green to locally pink, wky foliated and becoming more altered toward sharp LC @ 75° | 75 | 33746 | 7 | 54 |
| 152-155 | Andesite as above | | 33747 | 5 | 72 |
| 155-160 | FAULT ZONE - highly schistose chlorite-sericite & carbonate rock riddled with calcite veinlets. Less than 1% py. | | | | |
| | Possible IP ANOMALY. | | 33748 | 4 | 30 |
| 160-165 | Fault Zone as above | | 33749 | 3 | 24 |
| 165-169 | Fault Zone as above. Schistosity @ 70-80° | | 33750 | 12 | 56 |
| 169-174 | Andesite/Basalt - fg, dark green & massive, very weakly foliated @ 35°. Rare pyrite. | | 33751 | 3 | 16 |
| 174-179 | Andesite/Basalt as above | | 33752 | 4 | 46 |



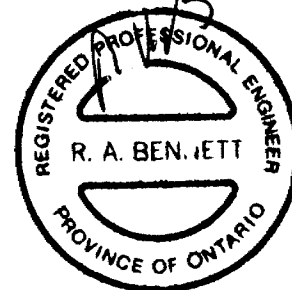
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| | | | Au ppb | Cu ppm |
|---------|---|-------|-----------|-----------|
| 179-184 | Andesite/Basalt as above | 33753 | 3 | 28 |
| 184-188 | Andesite/Basalt as above | 33754 | 16 | 194 |
| 188-191 | Andesite/Basalt - becoming strongly foliated in association with white qtz veins @ 40°. Lamination is structuraly related | 33755 | 4 | 56 |
| 191-194 | Andesite/Basalt as above | 33756 | 7 | 78 |
| 194-197 | Andesite/Basalt as above | 33757 | 3 | 36 |
| 197-202 | Andesite/Basalt - fg. dark green & massive with a few white qtz vns & associated silicification & epidotization. Preferred fracture angle - 30° Only rare pyrite. | 33758 | 4 | 48 |
| 202-299 | Andesite/Basalt as above | | | |
| 299-335 | Andesite/Basalt as above but becomes quite strongly foliated at 0° to 45° | | | |
| 335-372 | Andesite/Basalt - fg. green & massive to locally weakly foliated. Chloritoid development at 387 to 394 feet. Rare Pyrite. | | | |
| 372-377 | Andesite/Basalt as above | 33759 | 4 | 44 |
| 377-382 | Andesite/Basalt as above | 33760 | 7 | 38 |
| 382-385 | Andesite/Basalt as above + 2 specks of cpy. | 33761 | 7 | 130 |
| 385-389 | Andesite/Basalt as above | 33762 | 4 | 52 |
| 389-394 | Andesite/Basalt as above | 33763 | 3 | 20 |
| 394-399 | Andesite/Basalt as above | 33764 | 3 | 72 |
| 399-401 | Andesite/Basalt as above | | | |

FOOT OF HOLE - 401'

H88-3 was drilled by Trans-Arctic Explorations Limited of Vancouver, B.C. It was started September 12th, 1988 and completed September 15th, 1988. 21 Core boxes.

H88-3 is located 273 meters south and 73 meters east of post #4 of Claim P. 102532, Kenogaming Township, Porcupine Mining Division, Ontario.

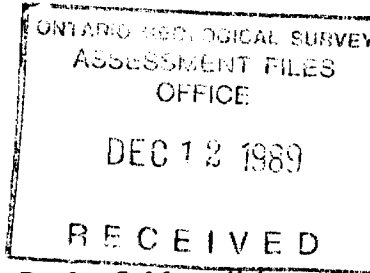


HALLEY RESOURCES LTD - BOREHOLE LOG

H88-5

HOLE #5 CO-OR: 5+50E on Baseline DIP: -45° @ 210° Az LENGTH: 567 ft.

| FOOTAGE ft | GEOLOGY | CA SAMPLE # | ASSAY ppb | Other ppb |
|---------------|--|-------------|--------------|--------------|
| 0-12 | Overburden. Start of core. | | | |
| 12-17 | Andesite - lg. grey, moderately foliated @ 50° to 55° to massive with 1% stretched pyrite. Locally silicified and grades to pale grey and more schistose @ 60° | 60 56606 | 8 | 152 |
| 17-22 | Andesite as above | 56607 | 14 | 204 |
| 22-27 | Andesite as above | 56608 | 7 | 206 |
| 27-32 | Andesite as above | 56609 | 17 | 166 |
| 32-37 | Andesite as above | 56610 | 23 | 344 |
| 37-42 | Andesite as above | 56611 | 18 | 564 |
| 42-47.5 | Andesite as above | 56612 | 17 | 278 |
| 47.5-52.5 | Andesite as above | 56613 | 11 | 114 |
| 52.5-57 | Sericite-Quartz-Pyrite Schist - light grey, strongly foliated @ 55° to a schistose sericitized unit with bands & disseminated pyrite to 4% | 55 56614 | * 11 | 234 |
| 57-61.5 | Sericite-Quartz-Pyrite Schist as above | 56615 | * 26 | 334 |
| 61.5-67 | Andesite - lg. grey, moderately foliated as before. Becomes more massive downhole with only rare pyrite throughout. | 56616 | 40 | 81 |
| 67-72 | Andesite as above | 56617 | 22 | 244 |
| 72-77 | Andesite as above | 56618 | 11 | 294 |
| 77-82 | Andesite as above | 56619 | 4 | 62 |
| 82-87 | Andesite as above | 56620 | 2 | 88 |
| 87-92 | Andesite as above | 56621 | 29 | 91 |
| 92-97 | Andesite with minor chloritoid development | 56622 | 32 | 126 |
| 97-102 | Andesite as before | 56623 | 19 | 192 |
| 102-107 | Andesite - weakly silicified with a few cross-cutting qtz veins and minor pyrite + pyrrhotite | 56624 | 27 | 95 |
| 107-112 | Andesite as before | 56625 | 37 | 146 |
| 112-117 | Andesite as above | 56626 | 14 | 210 |
| 117-122 | Andesite as above | 56627 | 29 | 68 |
| 122-127 | Andesite - weakly sericitized with 2 bands of pyrite. Foliated @ 50° | 50 56628 | 18 | 216 |
| 127-132 | Andesite as before | 56629 | 12 | 106 |
| 132-137 | Andesite as above | 56630 | 26 | 93 |
| 137-143 | Andesite as above | 56631 | 30 | 39 |
| 143-149 | Andesite as above | 56632 | 12 | 83 |
| 149-152 | Andesite as above | 56633 | 22 | 988 |



continued page 2.

| | | | Au ppb | Cu ppm | Zn ppm |
|-----------|--|-------|-----------|-----------|-----------|
| 152-157 | Andesite becoming light grey and sericitized | 56634 | 12 | 18 | 120 |
| 157-162 | Andesite as above with gradational lower ct | 56635 | 12 | 28 | 416 |
| 162-166 | Sericitized Andesite - light grey, altered, riddled with barren qtz-carb veinlets at all angles. Becoming more altered and foliation changes from 60° to 85° toward ct | 56636 | 15 | 46 | 638 |
| 166-168 | FAULT ZONE - highly altered, sericitized and foliated-schistose. Grades to andesite | 56637 | 26 | 40 | 378 |
| 168-172 | Andesite as before, fg, grey and weakly to moderately foliated @ 50°. Rare pyrite and a few barren white qtz veinlets @ 70°-80° | 56638 | 17 | 34 | 124 |
| 172-177 | Andesite as above | 56639 | 29 | 40 | 100 |
| 177-182 | Silicified Andesite - gradational to a light grey, moderately foliated and cut by several barren white qtz veins @ 60°-70°. Rare pyrite | 56640 | 12 | 32 | 166 |
| 182-187 | Silicified Andesite as above | 56641 | 10 | 24 | 234 |
| 187-192 | Silicified Andesite grading to Andesite | 56642 | 4 | 20 | 248 |
| 192-197 | Andesite as before, fg, grey and weakly foliated @ 45° to locally massive. | 56643 | 51 | 10 | 270 |
| 197-203 | Andesite as above | 56644 | 23 | 10 | 160 |
| 203-208 | Andesite as above with gradational LC | 56645 | 8 | 18 | 284 |
| 208-212 | Pyritic Andesite - fg, moderately to strongly foliated @ 45°, weakly silicified associated with barren white qtz veins. 4% stretched pyrite. | 56646 | * 12 | 14 | 210 |
| 212-217 | Andesite as before - fg, grey, quite massive to weakly foliated @ 45° with < 1% pyrite | 56647 | 8 | 38 | 190 |
| 217-222 | Andesite as above | 56648 | 26 | 26 | 154 |
| 222-227 | Andesite as above | 56649 | 14 | 32 | 102 |
| 227-232 | Andesite as above | 56650 | 19 | 26 | 216 |
| 232-237 | Andesite as above | 56651 | 12 | 28 | 77 |
| 237-242 | Andesite as above | 56652 | 14 | 28 | 270 |
| 242-247 | Andesite as above. Broken core at 243-245' | 56653 | 15 | 30 | 172 |
| 247-252 | Andesite - gradational to a lighter grey and becoming more foliated @ 50° | 56654 | 22 | 18 | 108 |
| 252-257 | Andesite - light grey, becoming schistose and strongly foliated @ 55°, cut by few barren white qtz veins @ 30°-70°. 1% pyrite | 56655 | 4 | 12 | 62 |
| 257-261 | Andesite as above | 56656 | 12 | 14 | 88 |
| 261-266 | Andesite with gradational Lower CT to schist | 56657 | 7 | 36 | 206 |
| 266-270.7 | Pyrite-Sericite-Quartz-Sphalerite Schist light grey, highly schistose & strongly mineralized altered tuffaceous zone centered around a few 5" calcite ladder veins + py-sphalerite bands. Overall, 8% py and 1% sphalerite May represent start of the Dunvegan Zone | 56658 | * 0.045 | oz 98 | 7640 |

| | | | Au | Cu | Zn |
|-------------|--|---------|------------|------------|------------|
| | | | ppb | ppm | ppm |
| 270.7-275.3 | Pyrite-Sericite-Quartz-Sphalerite Schist - as above becoming gradational to less altered | * 56659 | 141 | 152 | 1300 |
| 275.3-281 | Tuff - fg, grey, quite massive with 1% pyrite, becoming cherty | 56660 | 6 | 28 | 190 |
| 281-287 | Cherty Tuff - fg, grey and well laminated 40' with some Chert beds @ 40'. 1% pyrite and becomes strongly foliated near sheared lower ct | 56661 | 10 | 6 | 206 |
| 287-292 | Sericite-Pyrite-Quartz Schist + Sphalerite -highly schistose @ 30', a light grey schist/tuff zone +5% pyrite & 2% sphalerite, rare po and chalcopyrite. Fault @ 288' to 289' | * 56662 | 29 | 30 | 436 |
| 292-295 | Sericite-Pyrite-Quartz Schist + Sphalerite as above grading to less altered with calcite fracture fills | * 56663 | 73 | 194 | 7840 |
| 295-299 | Sericite-Pyrite-Quartz Schist + Sphalerite as above | * 56664 | 115 | 58 | 1960 |
| 299-303 | Andesite - fg, grey and weakly foliated @ 60' with <1% pyrite. | 56665 | 7 | 26 | 612 |
| 303-307 | Andesite as above (End of Dunvegan ?) | 56666 | 17 | 18 | 922 |
| 307-312 | Andesite as above but more massive | 56667 | 12 | 10 | 168 |
| 312-317 | Andesite as above | 56668 | 6 | 16 | 248 |
| 317-322 | Andesite as above | 56669 | 114 | 136 | 214 |
| 322-327 | Andesite as above | 56670 | 30 | 36 | 150 |
| 327-332 | Andesite as above with gradational Lower CT | 56671 | 7 | 26 | 312 |
| 332-337 | Andesite - weakly silicified & sericitized, associated with several barren white qtz veins & breccia zones @ 50'. Only rare sulphides. | 56672 | 12 | 78 | 278 |
| 337-342 | Andesite as above | 56673 | 10 | 88 | 150 |
| 342-347 | Andesite as above | 56674 | 40 | 28 | 148 |
| 347-351 | Andesite as above | 56675 | 25 | 26 | 146 |
| 351-355 | Andesite gradational to sericite schist | 56676 | 7 | 40 | 146 |
| 355-358.5 | Pyrite-Sericite-Quartz Schist - strongly schistose @ 50' with 10% pyrite, rare chalcopyrite & sphalerite. Gradational ct | * 56677 | 960 | 1420 | 1280 |
| 358.5-362 | Andesite - weakly silicified and sericitized | 56678 | 60 | 320 | 1160 |
| 362-366.6 | Andesite as above | 56679 | 14 | 32 | 484 |
| 366.6-370 | Altered Andesite Tuff - weakly schistose @ 50' with 3% pyrite (mostly bands). Locally strongly schistose with chloritoid development | * 56680 | 18 | 46 | 182 |
| 370-373 | Altered Andesite Tuff as above | * 56681 | 160 | 220 | 962 |
| 373-377 | Altered Andesite Tuff as above | * 56682 | 132 | 200 | 334 |
| 377-381 | Altered Andesite Tuff as above | 56683 | 26 | 44 | 338 |

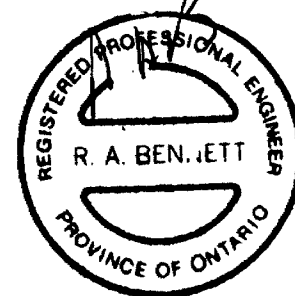
| | | | Au ppb | Cu ppm | Zn ppm |
|---------|---|-------------|-----------------|-----------|-----------|
| 381-385 | Altered Andesite Tuff as above | 56684 | 21 | 16 | 168 |
| 385-388 | Altered Andesite Tuff as above | 56685 | 38 | 20 | 232 |
| 388-391 | Pyrite-Sericite-Quartz Schist - pale grey, highly schistosed and altered, associated with carb veins. 20% pyrite, rare pyrrhotite and chalcopyrite, grades to Andesite | * 56686 | 0.034 oz | 110 | 4460 |
| 391-396 | Andesite Tuff - grey, very weakly banded e 50'-65' showing stretched lapilli-sized silicified clasts and smaller angular to sub- rounded clasts. <1% pyrite. | 55 56687 | 34 | 62 | 382 |
| 396-400 | Andesite Tuff as above | 56688 | 40 | 176 | 218 |
| 400-406 | Andesite Tuff as above | 56689 | 19 | 48 | 146 |
| 406-412 | Andesite Tuff as above | 56690 | 33 | 62 | 160 |
| 412-417 | Andesite Tuff as above | 56691 | 12 | 16 | 97 |
| 417-422 | Andesite Tuff as above | 56692 | 8 | 16 | 86 |
| 422-427 | Andesite Tuff as above | 56693 | 10 | 36 | 68 |
| 427-432 | Andesite Tuff as above | 56694 | 8 | 18 | 78 |
| 432-437 | Andesite Tuff as above | 56695 | 33 | 52 | 81 |
| 437-442 | Andesite Tuff as above | 56696 | 17 | 68 | 170 |
| 442-447 | Andesite Tuff as above | 56697 | 14 | 42 | 88 |
| 447-452 | Andesite Tuff as above | 56698 | 11 | 28 | 85 |
| 452-457 | Andesite Tuff as above | 56699 | 29 | 18 | 108 |
| 457-462 | Pyritic Andesite Tuff as above, 5% disseminated pyrite in weakly sericitized tuff | 50 56700 | * 97 | 10 | 140 |
| 462-466 | Pyritic Silicified Andesite Tuff - as above but becomes pale grey, hard and silicified, with 2% pyrite, looks porphyritic | 56701 | 71 | 58 | 152 |
| 466-470 | Pyritic Silicified Andesite Tuff as above | 56702 | 117 | 30 | 108 |
| 470-474 | Pyritic Silicified Andesite tuff as above | 56703 | 180 | 44 | 76 |
| 474-567 | Diabase - aphanitic to fg to mg to cg Matachewan Type qtz-diabase dyke | | | | |

FOOT OF HOLE - 567'

H88-5 was drilled by Trans Arctic Explorations Limited of Vancouver, B.C. It was started October 7th, 1988 and completed October 11th, 1988. Casing left. 30 Core Boxes.

H88-5 is located 160 meters south and 151 meters west of post # 1 of Claim P. 1025231, Kenogaming Township, Porcupine Mining Division, Ontario.

* - Total Metallics Gold Assays also run on these samples.

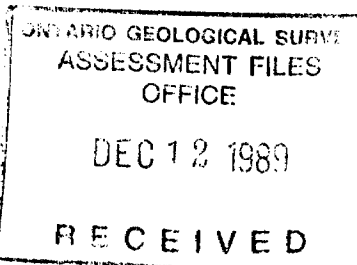


HALLEY RESOURCES LTD - BOREHOLE LOG

H88-7

HOLE #7 CO-OR: 3+35E, 0+80S DIP: - 60° e 030°Az LENGTH: 735 ft.

| FOOTAGE ft | GEOLOGY | CA | SAMPLE # | ASSAY ppb | Other ppm |
|---------------|---|----|----------|--------------|--|
| 0-26 | Overburden. Start of Core. | | | Au | Cu Zn |
| 26-41 | Felsic Tuff - fg to cg, pale grn/grey, sericite 25 quartz foliated to schisted with large angular to stretched rhyodacite clasts e 25°. Minor pyrite. | | | ppb | ppm ppm |
| 41-44 | Felsic Tuff as above | | 33850 | 63 | 500 51 |
| 44-48 | Felsic Tuff with a few pyritic zones e 47' | 25 | 34451 | 149 | 840 31 |
| 48-52 | Felsic Tuff as above | | 34452 | 47 | 180 48 |
| 52-57 | Felsic Tuff as above | | 34453 | 29 | 160 92 |
| 57-141 | Felsic Tuff as above | | | | |
| 141-161 | Andesite - fg to mg, green, massive to moderately to strongly foliated to schistose e 25°, <1% py. In part- amygdaloidal flow. | | | | DIP TESTS 200' - 55' 400' - 49' |
| 161-174 | Andesite - fg, pale green, moderately schistose e 30° with chloritoid development as patches, <1% py | 30 | | | 600' - 43' |
| 174-179 | Andesite as above | | 34454 | 48 | 520 48 |
| 179-183 | Andesite becomes sericitized and grades to pale green with 2% py, grn! ct only. | | 34455 | 10 | 20 27 |
| 183-187 | Sericitized & Silicified Andesite - mg, pale grey, moderately schistose e 25°. 5% pyrite. Gradational contacts only | 25 | 34456 | 8 | 24 16 |
| 187-190 | Sericitized & Silicified Andesite - quite schistose with chloritoid clots. <1% py. Foliation at 30° to core axis. | 30 | 34457 | 22 | 30 24 |
| 190-205 | Sericitized & Silicified Andesite as above Sharp LC e 50 along chloritic mud seam. | 50 | | | |
| 205-219 | FAULT -serpentine-chlorite-schist, highly sheared Ultramafic Unit- grey/black, very soapy & massive chl-serp-mud zoness e 210-212', 215-216' e 40°, & 217' for 2" e 80°. Sharp lower contact e | 40 | | | |
| 219-224 | Silicified Felsic Tuff - fg, strongly foliated e 45° with 1% pyrite & occasional chloritoid clots. Rhyodacite composition with chert ash tuff bands | 45 | | | |
| 224-229 | Silicified Felsic Tuff as above | | 34458 | 12 | 10 71 |
| 229-234 | Silicified Felsic Tuff as above | | 34459 | 18 | 12 71 |



| | | | Au ppb | Cu ppm | Zn ppm |
|---------|--|-------|-----------|-----------|-----------|
| 234-238 | Felsic Lapilli Tuff - pale grey, sericite-quartz schist with subrounded black chloritoid & pyrite-rich clasts to 3cm dia meter. 5% pyrite. Schistosity @ 35-45° | 34460 | 45 | 10 | 25 |
| 238-242 | Felsic Lapilli Tuff as above | 34461 | 67 | 6 | 34 |
| 242-247 | Felsic Lapilli Tuff as above | 34462 | 25 | 10 | 30 |
| 247-252 | Felsic Lapilli Tuff - fg, grey & well bedded @ 50° with few chloritoid clasts & 1% pyrite | 34463 | 21 | 20 | 108 |
| 252-256 | Felsic Lapilli Tuff as above | 34464 | 11 | 30 | 116 |
| 256-260 | Felsic Lapilli Tuff as before | 34465 | 15 | 8 | 57 |
| 260-263 | Felsic Lapilli Tuff as before with 2% pyrite and foliation developed @ 40° | 34466 | 32 | 6 | 50 |
| 263-267 | Felsic Lapilli Tuff as above. Gradational ct | 34467 | 74 | 18 | 46 |
| 267-272 | Felsic Tuff - pale grey, chlorite/sericite/qtz schist with occasional clast, 1-3% pyrite | 34468 | 23 | 10 | 103 |
| 272-277 | Felsic Tuff as above | 34469 | 12 | 12 | 132 |
| 277-282 | Felsic Tuff as above | 34470 | 18 | 22 | 70 |
| 282-287 | Felsic Tuff as above + sericite altn associated with narrow, white quartz veins at 40° | 34471 | 15 | 42 | 96 |
| 287-294 | Felsic Tuff as before | 34472 | 14 | 16 | 101 |
| 294-297 | Felsic Tuff as above | 34473 | 17 | 18 | 116 |
| 297-302 | Felsic Tuff - Silicified, sericitized & brecciated in association with qc veinlets parallel to CA | 34474 | 12 | 8 | 118 |
| 302-307 | Felsic Tuff as before | 34475 | 18 | 8 | 72 |
| 307-313 | Felsic Tuff as above | 34476 | 14 | 8 | 106 |
| 313-317 | Felsic Tuff - well foliated @ 30° with many black, sub-rounded chloritoid lapilli clasts and 4% disseminated pyrite | 34477 | 374 | 32 | 45 |
| 317-321 | Felsic Tuff + lapilli clasts as above | 34478 | 33 | 20 | 67 |
| 321-327 | Felsic Tuff - fg with only a few lapilli clasts, 1-3% py, is well bedded @ 35-40°, few qc fracture fills. Becomes gradually more chloritic | 34479 | 10 | 6 | 77 |
| 327-332 | Felsic Tuff grades to mafic, chloritic tuff | 34480 | 12 | 8 | 76 |
| 332-337 | Andesite - fg, pale grey/green, very well laminated at 35°. Few qc veinlets with associated sericite alteration. 1 to 3% pyrite. | 34481 | 51 | 26 | 90 |
| 337-342 | Andesite as above | 34482 | 21 | 32 | 97 |
| 342-347 | Andesite as above | 34483 | 11 | 48 | 98 |
| 347-352 | Andesite as above | 34484 | 23 | 34 | 108 |
| 352-357 | Andesite as above | 34485 | 104 | 60 | 106 |
| 357-362 | Andesite as above | 34486 | 18 | 14 | 100 |
| 362-367 | Andesite as above | 34487 | 45 | 8 | 91 |

| | | | Au ppb | Cu ppm | Zn ppm |
|--------------------------------|---|----------|-----------|-----------|-----------|
| 367-369 | Andesite as above | 34488 | 32 | 16 | 15 |
| 369-372 | Andesite as above | 34489 | 166 | 32 | 104 |
| 372-377 | Andesite as above | 34490 | 34 | 48 | 170 |
| 377-382 | Andesite as above | 34491 | 26 | 32 | 138 |
| 382-387 | Andesite as above | 34492 | 18 | 48 | 278 |
| 387-391 | Andesite as above | 34493 | 21 | 46 | 212 |
| 391-394 | Andesite as above. Sharp lower contact @ | 50 34494 | 417 | 140 | 580 |
| 394-398 | Andesite - fg. massive to weakly schistose at 40', green/grey with <1% pyrite | 40 34495 | 384 | 58 | 178 |
| 398-402 | Andesite as above | 34496 | 26 | 42 | 154 |
| 402-407 | Andesite as above | 34497 | 106 | 72 | 166 |
| 407-426 | Andesite becoming more silicified in association with 2" qtz vein @ 411.5', grades to more schistose | | | | |
| 426-429 | Andesite as above | 34498 | 21 | 32 | 116 |
| 429-434 | Andesite becomes strongly schistose at 40' with 1% disseminated pyrite | 40 34499 | 206 | 78 | 1800 |
| 434-437 | Andesite as above. Gradational contact to altd | 34500 | 17 | 20 | 314 |
| 437-440 | Pyrite-Sericite-Qtz Schist after andesite with 8% pyrite. Gradational cts to unaltered. | 40 56501 | .014 oz | 640 | 3080 |
| 440-446 | Andesite - quite strongly schistose @ 40' grey/green. minor pyrite. | 40 56502 | 14 | 26 | 152 |
| 446-452 | Andesite as above | 56503 | 29 | 28 | 162 |
| 452-457 | Andesite as above | 56504 | 12 | 44 | 172 |
| 457-463 | Andesite as above becomes more massive, chloritic | 56505 | 8 | 42 | 140 |
| 463-468 | Andesite as above. Sharp lower contact @ 20'. 20 | 56506 | 11 | 40 | 136 |
| 468-472 | Felsic Tuff - fg. grey, well laminated @ 40' with 1% disseminated pyrite & few py-rich bands. Finely banded with some cherty sections. | 40 56507 | 10 | 100 | 218 |
| 472-477 | Felsic Tuff as above | 56508 | 32 | 98 | 824 |
| 477-482 | Felsic Tuff as above | 56509 | 23 | 70 | 620 |
| 482-486.5 | Felsic Tuff as above | 56510 | 15 | 44 | 160 |
| 486.5-490.5 | Felsic Tuff as above, pyrite-rich bands @ | 45 56511 | 51 | 100 | 37 |
| 490.5-495 | Felsic Tuff as above | 56512 | 15 | 58 | 334 |
| 495-499 | Felsic Tuff as above | 56513 | 18 | 14 | 218 |
| 499-504 | Felsic Tuff as above | 56514 | 99 | 74 | 424 |
| 504-509 | Felsic Tuff as above | 56515 | 56 | 40 | 138 |
| 509-512 | Felsic Ash Tuff as above | 56516 | 86 | 40 | 246 |
| DUNVEGAN Gold/Zinc ZONE | | | | | |
| 512-517 | Felsic Ash Tuff - vfg. pale grey, cherty ash tuff with 1-5% pyrite and lesser sphalerite as disseminated grains and bands. | 50 56517 | 29 | 38 | 880 |

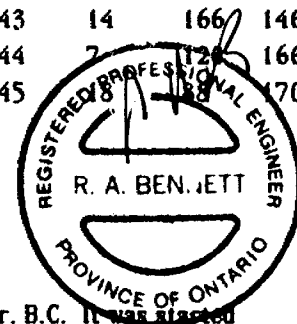
| | | | Au ppb | Cu ppm | Zn ppm | |
|---------|--|----|-----------|-----------|-----------|-----|
| 517-522 | Felsic Ash Tuff as above | 40 | 56518 | 67 | 36 | 572 |
| 522-527 | Felsic Ash Tuff as above | | 56519 | 8 | 22 | 454 |
| 527-532 | Felsic Ash Tuff as above | | 56520 | * 206 | 34 | 542 |
| 532-537 | Felsic Ash Tuff as above | | 56521 | * 14 | 12 | 108 |
| 537-542 | Felsic Ash Tuff as above | | 56522 | * 137 | 52 | 604 |
| 542-547 | Felsic Ash Tuff but locally strongly sericitic | | 56523 | 69 | 138 | 306 |
| 547-552 | Felsic Ash Tuff as before | | 56524 | 12 | 64 | 584 |
| ----- | | | | | | |
| 552-557 | Felsic Tuff - fg, grey, cherty & weakly sericitic with very minor py, foliated @ 35-40' | 37 | 56525 | 17 | 50 | 146 |
| 557-562 | Felsic Tuff as above | | 56526 | 38 | 44 | 254 |
| 562-567 | Felsic Tuff as above | | 56527 | 36 | 42 | 130 |
| 567-571 | Felsic Tuff as above | | 56528 | 12 | 38 | 184 |
| 571-574 | Felsic Tuff as above | | 56529 | 10 | 92 | 154 |
| 574-578 | Felsic Tuff/Breccia - cemented with qtz carb | | 56530 | 37 | 34 | 190 |
| 578-582 | Felsic Tuff - vfg, grey, 1% py, few cherty beds | | 56531 | 6 | 42 | 126 |
| 582-587 | Felsic Tuff as above | | 56532 | 12 | 50 | 184 |
| 587-591 | Felsic Tuff as above | | 56533 | 15 | 20 | 28 |
| 591-596 | Felsic Tuff becomes grey/green and more andesitic with strong silicification | | 56534 | 10 | 38 | 326 |
| 596-598 | Felsic Ash Tuff as above | | 56535 | 17 | 48 | 296 |
| 598-603 | Silicified Andesite - chlorite/sericite schist @ 40' with minor py. Locally cherty | 40 | 56536 | 11 | 10 | 130 |
| 603-607 | Silicified Andesite as above | | 56537 | 8 | 10 | 106 |
| 607-612 | Silicified Andesite - vfg, dark gy, well bedded @ 50' with minor py and rare sphalerite grain | | 56538 | 6 | 70 | 228 |
| 612-617 | Silicified Andesite as above | | 56539 | 14 | 54 | 248 |
| 617-622 | Silicified Andesite as above | | 56540 | 10 | 54 | 268 |
| 622-627 | Silicified Andesite as above | 50 | 56541 | 14 | 30 | 592 |
| 627-631 | Silicified Andesite as above | | 56542 | 4 | 24 | 228 |
| 631-634 | Silicified Andesite - vfg, hard, cherty | | 56543 | 14 | 166 | 146 |
| 634-638 | Silicified Andesite as above | | 56544 | 7 | 12 | 166 |
| 638-642 | Silicified Andesite as above. Sharp LC @ 30 | | 56545 | | | 170 |
| 642-735 | Diabase - Matachewan type - aphanitic to fg to cg diabasic dyke with good diabasic texture. | | | | | |

FOOT OF HOLE - 735'

H88-7 was drilled by Trans-Arctic Explorations Limited of Vancouver, B.C. It was started September 23rd, 1988 and completed September 28th, 1988. 41 Core Boxes.

H88-7 is located 295 meters south and 116 meters west of post # 1 of Claim P. 1025230, Kenogaming Township, Porcupine Mining Division, Ontario.

* - Total Metallics Gold Assays also run on these samples.



HALLEY RESOURCES LTD - BOREHOLE LOG H88-8

HOLE #8 **CO-OR:** 4+05N, 6+37E **DIP:** -45° @ 030° Az **LENGTH:** 156 ft.

| FOOTAGE ft | | GEOLOGY | GEOLOGICAL SURVEY OF CANADA | SAMPLE # | ASSAY | Other |
|---------------|--|-------------------------|-----------------------------|----------|-------|-------|
| | | ASSESSMENT FILES OFFICE | | | ppb | |

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DIP TESTS: 146' - 40'

| | | | | | Au ppb | Cu ppm | Zn ppm |
|-----------|---|----|-------|----|-----------|-----------|-----------|
| 0-10 | Overburden. Start of Core | | | | | | |
| 10-15 | Silicified Andesite - fg. gy/grn, well fol'd and banded @ 50° | 50 | 56546 | 11 | 36 | 55 | |
| 15-19 | Silicified Andesite - as above | | 56547 | 6 | 100 | 65 | |
| 19-22 | Cherty Tuff - grey, hard & well banded @ Sharp LC @ 45° | 60 | 56548 | 25 | 74 | 40 | |
| 22-27.5 | Andesite - mg, dark green, massive with rare pyrite grain, gradational contact | | 56549 | 14 | 24 | 51 | |
| 27.5-31.5 | Schisted Andesite - as above but sericitized, altered & strongly foliated @ 50° | 50 | 56550 | 8 | 72 | 49 | |
| 31.5-36 | Silicified Andesite - well foliated @ 55° grades to highly silicified | 55 | 56551 | 7 | 46 | 51 | |
| 36-41 | Silicified Andesite as above | | 56552 | 4 | 46 | 34 | |
| 41-46 | Cherty Tuff - pink/gy, well banded @ 60° 'x py | | 56553 | 16 | 34 | 34 | |
| 46-51 | Andesite Schist - mod to strongly foliated & re-xlized to form banded/bedded appearance locally quite silicified | | 56554 | 8 | 32 | 48 | |
| 51-56 | Andesite Schist as above plus two 1" & one 1/4" qtz vein + py @ 60° | 60 | 56555 | 10 | 48 | 55 | |
| 56-61 | Andesite Schist | | 56556 | 7 | 46 | 60 | |
| 61-66 | Andesite Schist - silicified & banded @ 60° with few barren white qtz veinlets @ 80° | 60 | 56557 | 8 | 60 | 41 | |
| 66-70 | Andesite Schist as above | | 56558 | 6 | 38 | 32 | |
| 70-75 | Andesite Schist as above | | 56559 | 12 | 60 | 30 | |
| 75-79 | Andesite Schist - wkly slfd + 1" white qtz vn | 80 | 56560 | 7 | 36 | 43 | |
| 79-84 | Andesite Schist as above | | 56561 | 10 | 46 | 42 | |
| 84-88 | Andesite Schist as above | | 56562 | 6 | 30 | 51 | |
| 88-91 | Andesite Schist - highly slfd & bxt'd in assoc with qtz breccia zone + minor py @ 80° | | 56563 | 7 | 66 | 65 | |
| 91-96 | Andesite Schist - moderately slfd & well banded at 55° with only minor pyrite | | 56564 | 15 | 74 | 58 | |
| 96-101 | Andesite Schist as above | | 56565 | 11 | 50 | 43 | |

continued . . . pg 2.

| | | | Au ppb | Cu ppm | Zn ppm |
|-----------|--|----------|-----------|-----------|-----------|
| 101-105 | Andesite Schist as above | 56566 | 19 | 108 | 144 |
| 105-110 | Andesite Schist as above | 56567 | 12 | 76 | 152 |
| 110-115 | Andesite Schist -as above | 56568 | 4 | 62 | 114 |
| 115-121 | Andesite Schist as above, banding @ 65' | 65 56569 | 8 | 30 | 30 |
| 121-126 | Andesite Schist as above | 56570 | 6 | 60 | 182 |
| 126-131 | Andesite Schist as above | 56571 | 10 | 94 | 46 |
| 131-136.3 | Andesite Schist - finely laminated & silicified with 1% fine pyrite, Sharp lower contact @ 70 | 56572 | 8 | 88 | 55 |
| 136.3-156 | Diabase - glomeroporphyritic type | | | | |

156' - FOOT OF HOLE

H88-8 was drilled by Trans Arctic Explorations Limited of Vancouver, B.C. The hole was started September 27th, 1988 and was completed September 29th, 1988. 8 Core Boxes. Casing pulled.

H88-8 is located about 104 meters south and 21 meters west of post # 1 of Claim P. 998379, Kenogaming Township, Porcupine Mining Division, Ontario.



HALLEY RESOURCES LTD - BOREHOLE LOG

H88-9

HOLE #9 CO-OR: 4+05N, 6+37E DIP: -60 @ 030° Az LENGTH: 185 ft.

| FOOTAGE ft | GEOLOGY | SAMPLE # | ASSAY ppb | Other |
|---------------|---|----------|-----------------|-------------------------|
| | | | | DIP TESTS 187° - 58° |
| 0-10 | Overburden. Start of Core | | | |
| 10-15 | Silicified Andesite - vfg. grey/grn, fol'd @ 40° with minor pyrite. Contact gradational to cherty zone @ 40° | 56573 | Au ppb 23 | Cu ppm 30 |
| 15-20 | Silicified Andesite - as above | 56574 | 15 | Zn ppm 42 |
| 20-25 | Silicified Andesite - as above | 56575 | 4 | 60 |
| 25-28 | Silicified Andesite - as above | 56576 | 8 | 42 |
| 28-31 | Silicified Andesite - as above, gradational ct @ 40° | 56577 | 26 | 52 |
| 31-33.5 | Cherty Tuff - grey, well banded with aphanitic grey cherty bands & f-mg feldspathic tuff @ 35° | 56578 | 3 | 38 |
| 33.5-36.5 | Andesite - mg, green, mass with few q-carb xl vnls plus py | 56579 | 47 | 16 |
| 36.5-42 | Silicified Andesite - gy/grn, strongly fol'd @ 35-40°, cut by few white qtz vns @ 60-80°. | 56580 | 2 | 56 |
| 42-47 | Silicified Andesite as above | 56581 | 2 | 36 |
| 47-51 | Silicified Andesite as above | 56582 | 6 | 58 |
| 51-55 | Silicified Andesite as above | 56583 | 7 | 44 |
| 55-59 | Silicified Andesite as above, Sharp LC @ 37° | 56584 | 8 | 50 |
| 59-64 | Cherty Tuff - gy, very well banded @ 42° & highly silicified with pink & grey bands | 56585 | 4 | 32 |
| 64-68.5 | Cherty Tuff as above | 56586 | 7 | 42 |
| 68.5-72 | Silicified Andesite Schist - grey to gy/grn, well fol'd @ 50° & cut by few qtz veins & breccia zones with associated strong silicification. Rare py | 56587 | 10 | 12 |
| 72-77 | Silicified Andesite Schist as above with 1" white qv + py @ 55° & 1/2" qv + py @ 60° | 60 56588 | 36 | 18 |
| 77-82 | Silicified Andesite Schist as above | 56589 | 18 | 26 |
| 82-87 | Silicified Andesite Schist as above | 56590 | 4 | 34 |
| 87-92 | Silicified Andesite Schist as above | 56591 | 4 | 66 |
| 92-97 | Silicified Andesite Schist as above | 56592 | 12 | 118 |
| 97-102 | Silicified Andesite Schist as above | 56593 | 4 | 44 |
| 102-107 | Silicified Andesite Schist as above plus 4 white qv - 1/2" + minor epidote & pyrite with associated silicification | 56594 | 6 | 52 |
| 107-112 | Silicified Andesite Schist as above | 56595 | 7 | 220 |
| 112-117 | Silicified Andesite Schist as above | 56596 | 23 | 84 |

continued . . . page 2.

| | | | Au ppb | Cu ppm | Zn ppm |
|-----------|--|----------|-----------|-----------|-----------|
| 117-122 | Silicified Andesite Schist as above with 2 .5" white qtz veins + epidote alteration | 56597 | 3 | 34 | 40 |
| 122-127 | Silicified Andesite Schist as above | 56598 | 10 | 84 | 76 |
| 127-132 | Silicified Andesite Schist as above | 56599 | 6 | 76 | 41 |
| 132-137 | Silicified Andesite Schist as before, grey/grn, moderately foliated, very mass & silicified | 56600 | 2 | 44 | 35 |
| 137-142 | Silicified Andesite Schist as above | 56601 | 4 | 76 | 50 |
| 142-147 | Silicified Andesite Schist as above plus 1/2" white qv + 3 .25" qv @ 45° with epidote | 45 56602 | 2 | 68 | 114 |
| 147-151 | Silicified Andesite Schist as above | 56603 | 8 | 54 | 56 |
| 151-155 | Silicified Andesite Schist as above Last 10' becomes pink/grey - hematized | 56604 | 7 | 14 | 28 |
| 155-158.5 | Silicified Andesite Schist as above. Lower ct @ 32 | 56605 | 6 | 60 | 34 |
| 158.5-185 | Diabase - glomeroporphyritic type - fg, green, massive & hard with large 2 cm green feldspar clots. | | | | |

FOOT OF HOLE - 185'

H88-9 was drilled by Trans Arctic Explorations Limited of Vancouver, B.C. It was started on September 29th, 1988 and completed on October 3rd, 1988. Casing pulled. 10 Core Boxes

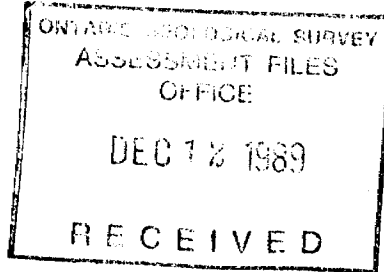
H88-9 is located about 104 meters south and 21 meters west of post # 1 of Claim P. 998379, Kenogaming Township, Porcupine Mining Division, Ontario.



HALLEY RESOURCES LTD - BOREHOLE LOG H88-10

HOLE # 10 CO-OR: 5+00N, 6+40E DIP: - 45° @ 210° Az LENGTH: 340 ft.

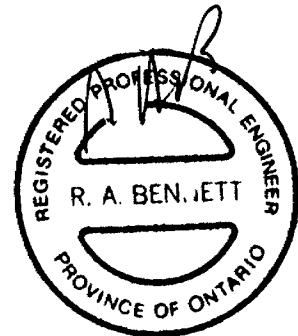
| FOOTAGE ft | GEOLOGY | CA SAMPLE # | ASSAY ppb | Other |
|---------------|---|-------------|--------------|-----------|
| 0-16 | Overburden. Start of Core. | | | DIP TESTS |
| 16-49 | Glomeroporphyritic Diabase - fg, green massive matrix with large light green feldspar clots to 2 cm in diameter. Last foot and contact are badly broken and ground. | | | 200' -46' |
| 49-102 | Ultramafic - fg, black, massive chloite-serpentine-carbonate unit. Likely an altered Peridotite. Preferred schistosity @ 25' 25 From 87'-100' becomes quite talcose, pale grey/green & very soapy with schistosity @ 10 to 40'. Sharp LC @ 40' | | | |
| 102-340 | Quartz Diabase - Matachewan Type quartz diabase. Aphanitic, green, contact zone grades to a fg, sub-diabasic & wkly granophyric diabase to 125' and then to a mg typical diabase. | | | |



FOOT OF HOLE - 340'

H88-10 was drilled by Trans Arctic Explorations Limited of Vancouver, B.C. It was started October 4th, 1988 and stopped October 6th, 1988 after the target horizon was over-drilled with the hole still within a diabase dyke. Casing pulled. 17 Core Boxes.

H88-10 is located about 30 meters south and 10 meters west of post # 1 of Claim P. 998379, Kenogaming Township, Porcupine Mining Division, Ontario.



HALLEY RESOURCES LTD - BOREHOLE LOG H88-15

HOLE #15 **CO-OR:** East of Lake **DIP:** - 45° @ 210° Az **LENGTH:** 500 ft.

| FOOTAGE ft | GEOLOGY | CA SAMPLE # | ASSAY ppb | Other |
|---------------|--|-------------|------------------|-----------------------------------|
| 0-55 | Overburden. Start of Core | | | DIP TESTS |
| 55-70 | Silicified Andesite Tuff - fg, grey, locally cherty tuff with < 1% pyrite. Sharp lower ct | | | 300' - 47' 500' - 47' |
| 70-73 | Feldspar Porphyry - fg, grey hard matrix with large subhedral plagioclase crystals to .5cm. Sharp lower contact | 35 | Au ppb | Cu ppm Zn ppm |
| 73-280 | Glomeroporphyritic Diabase - fg to mg to cg, chilled contact zone with sharp lower ct @ | 55 | | |
| 280-282 | Andesite - silicified and foliated @ 45° | | | |
| 282-286 | Andesite as above | 56889 | 5 | 12 75 |
| 286-288 | Feldspar Porphyry - fg with white feldspar crystals. Sharp lower contact at | 20 | 56890 | 3 20 46 |
| 288-293 | Andesite - as before but recrystallized. | 38 | 56891 | 8 14 86 |
| 293-296.5 | Andesite as above | | 56892 | 7 34 86 |
| 296.5-299.5 | Silicified Pyritic Andesite - foliated @ 45° locally strong bands of pyrite. Quite bxtd | | 56893 | 33 44 194 |
| 299.5-303 | Silicified Pyritic Andesite as above | | 56894 | 85 44 150 |
| 303-305.5 | Pyrite-Sericite-Quartz Schist with 10% pyrite. Strongly foliated @ 50° | | 56895 | 341 120 47 |
| 305.5-309 | Silicified Pyritic Andesite as before | | 56896 | 77 42 92 |
| 309-313 | Silicified Pyritic Andesite as above | | 56897 | 18 34 156 |
| 313-318 | Silicified Pyritic Andesite as above | | 56898 | 14 186 126 |
| 318-324 | Silicified Pyritic Andesite as above | | 56899 | 30 34 95 |
| 324-326 | Pyrite-Sericite-Quartz Schist - grades to light grey, highly schisted & pyrite rich (6%). Strongly foliated @ 45°. | | 56900 | 69 44 63 |
| 326-330 | Andesite - green/gy, moderately foliated @ 45° with few qtz-carb fract | | 56901 | 19 28 135 |
| 330-335 | Andesite as above | | 56902 | 10 12 88 |
| 335-340 | Andesite as above | | 56903 | 26 6 178 |
| 340-344 | Andesite as above | | 56904 | 22 10 139 |
| 344-347 | Sericite-Quartz-Pyrite Schist - strongly foliated @ 50° with 2-3% pyrite, alteration centered around qtz-carb vnlt | | 56905 | 23 34 61 |
| 347-351 | Weak Sericite-Quartz-Pyrite Schist <1% pyrite | | 56906 | 21 118 76 |
| 351-354.5 | Andesite - fg, grey and quite massive, locally hematized to a brick color, associated with qtz-carb vnlt, foliated @ 50° with alteration increasing downhole & becoming granitized. | | 56907 | 21 60 74 |

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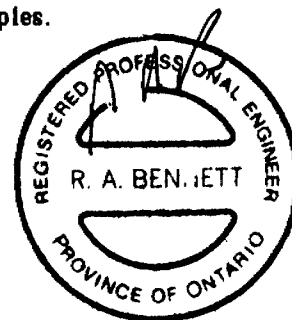
| | | | Au ppb | Cu ppm | Zn ppm |
|-----------|---|----------|-----------|-----------|-----------|
| 354.5-360 | Andesite as above | 56908 | 5 | 32 | 81 |
| 360-365 | Andesite as above | 56909 | 58 | 46 | 89 |
| 365-370 | Andesite as above | 56910 | 10 | 36 | 89 |
| 370-375 | Andesite as above | 56911 | 15 | 94 | 76 |
| 375-380 | Andesite as above | 56912 | 12 | 38 | 75 |
| 380-385 | Silicified Andesite - pink, hematized and recrystallized. Strongly foliated @ 30-40° and in part, granitized | 56913 | 22 | 130 | 70 |
| 385-390 | Silicified Andesite as above | 56914 | 4 | 48 | 67 |
| 390-395 | Silicified Andesite as above | 56915 | 4 | 58 | 66 |
| 395-399 | Silicified Andesite as above | 56916 | 8 | 66 | 67 |
| 399-401 | Silicified Andesite with 70% white qtz vein | 70 56917 | 8 | 58 | 43 |
| 401-405 | Silicified Andesite as before | 56918 | 12 | 116 | 75 |
| 405-409 | Silicified Andesite as above | 56919 | 16 | 66 | 53 |
| 409-458 | Silicified Andesite as above with sharp ct e | 65 | | | |
| 458-500 | Diabase - Matachewan Type, good texture, aphanitic to fg to mg to cg | | | | |

FOOT OF HOLE - 500'

H88-15 was drilled by Trans Arctic Explorations Limited of Vancouver, B. C. The hole was started October 25th, 1988 and completed October 31st, 1988. Casing was left in the hole. 25 Core Boxes.

H88-15 is located about 240 meters south and 27 meters west of post # 1 of Claim P. 1025231, Kenogaming Township, Porcupine Mining Division, Ontario.

* - Total Metallics Gold Assays also run on these samples.



HALLEY RESOURCES LTD - BOREHOLE LOG

H88-16

| HOLE #16 | CO-OR: 75S, 25E on 1988 Grid (East of Akweskwa Lake) | DIP: - 45° @ 210° Az | LENGTH: 516 ft. | | | |
|---------------|--|----------------------|-----------------|------------------|--------------------------|------------------|
| FOOTAGE ft | GEOLOGY | CA | SAMPLE # | ASSAY ppb | Other ppb | |
| 0-10 | Overburden. Start of Core. | | | | DIP TESTS | |
| 10-48 | Andesite - fg. grey/green, very weakly foliated to massive flow with a few barren white qtz veins at 21' and 25' @ 50°. Becomes more foliated @ 55° toward lower contact at 50° | | | | 200' - 42° 500' - 34° | |
| 48-99 | Andesite Tuff - vfg. light grey, strongly foliated to crenulated with some kinking & folding @ 0- 50°. Gradational to weakly altd | | | Au ppb | Cu ppm | Zn ppm |
| 99-104 | Andesite Tuff - vfg. pale grey & very wkly altered with 1-2% pyrite. Bedding/foln @ | 50 | 56970 | 17 | 102 | 182 |
| 104-109 | Andesite Tuff as above | | 56971 | 12 | 88 | 158 |
| 109-113 | Andesite Tuff as above | | 56972 | 19 | 92 | 130 |
| 113-116 | Andesite Tuff as above | | 56973 | 56 | 98 | 140 |
| 116-121 | Andesite Tuff with sharp but brecciated ct. | | 56974 | 38 | 92 | 160 |
| 121-125 | Tuff-Breccia Zone - highly brecciated tuff infilled with quartz-carbonate, strongly silicified with rare pyrite | | 56975 | 12 | 56 | 117 |
| 125-130 | Andesite Tuff - as before with 1% pyrite that grades to fresh unaltered Tuff. Foln at | 50 | 56976 | 8 | 52 | 182 |
| 130-136 | Andesite Tuff as above | | 56977 | 23 | 115 | 154 |
| 136-195 | Andesite Tuff - fg. grey, strongly foliated with some Boma structure at 55°. Becomes massive and only moderately foliated @ 55° | 55 | | | | |
| 195-211 | Andesite - grey, weakly altered and moderately foliated @ 55° becoming more strongly foliated down hole (in part, a Tuff) | 55 | | | | |
| 211-216 | Andesite as above | | 56920 | 8 | 90 | 710 |
| 216-221 | Andesite as above | | 56921 | 10 | 86 | 152 |
| 221-226 | Andesite as above | | 56922 | 8 | 44 | 130 |
| 226-231 | Andesite as above | | 56923 | 19 | 44 | 140 |
| 231-235 | Andesite as above | | 56924 | 15 | 46 | 142 |
| 235-238 | Andesite becomes strongly foliated with 2% py | 55 | 56925 * | 96 | 46 | 130 |
| 238-241 | Andesite Tuff -highly crenulated & altered with 1-2% pyrite | 50 | 56926 * | 56 | 40 | 140 |
| 241-244 | Pyrite-Chlorite-Sericite Schist - very strongly foliated to schistose @ 50°, weakly altered zone with 5% pyrite, concentrated mostly in narrow bands at 50° | 50 | 56927 * | 376 | 132 | 328 |
| 244-246 | Andesite Tuff - altered, fg. grey, strongly foliated @ 60° with some minor chloritoid | 60 | 56928 * | 118 | 560 | 1200 |

continued... page 2.

| | | | | | | |
|-------------|--|---------|---------|-----|-----|-----|
| | development in lighter grey bands. | | | | | |
| 246-251 | Andesite Tuff as above. Becoming sericitized downhole with occasional clasts, <1% pyrite. | 56929 * | 73 | 114 | 172 | |
| 251-255 | Andesite Tuff as above | 56930 * | 14 | 58 | 134 | |
| 255-260 | Andesite Tuff as above | 56931 | 25 | 132 | 99 | |
| 260-263 | Andesite Tuff as above | 56932 | 8 | 52 | 136 | |
| 263-267 | Andesite Tuff as above | 56933 * | 33 | 260 | 168 | |
| 267-271 | Andesite Tuff as above | 56934 * | 12 | 74 | 103 | |
| 271-276 | Andesite Tuff as above | 56935 | 12 | 90 | 178 | |
| 276-281 | Andesite Tuff as above | 56936 * | 40 | 108 | 136 | |
| 281-286 | Andesite Tuff as above | 56937 * | 55 | 66 | 95 | |
| 286-288 | Quartz-Breccia Zone - white barren quartz vein & qtz breccia fill in lapilli tuff. Foln - | 65 | 56938 * | 33 | 88 | 68 |
| 288-291 | Feldspar Porphyry- two 6" brick coloured dykes @ 60' within lapilli tuff | 60 | 56939 | 21 | 124 | 93 |
| 291-294.5 | Feldspar Porphyry as above | 56940 | 86 | 134 | 61 | |
| 294.5-298.5 | Lapilli Tuff - pale grey/green, strongly foliated tuff with lapilli-sized, stretched clasts to 2 cm diameter, locally hematized & re-crystallized with <1% pyrite, rare chloritoid development, last 10' broken-up | 56941 | 30 | 28 | 88 | |
| 298.5-302 | Lapilli Tuff as above | 56942 | 22 | 92 | 100 | |
| 302-306 | Lapilli Tuff as above | 56943 | 17 | 14 | 95 | |
| 306-311 | Lapilli Tuff as above | 56944 | 10 | 34 | 97 | |
| 311-316 | Lapilli Tuff as above | 56945 | 12 | 68 | 87 | |
| 316-321 | Lapilli Tuff as above | 56946 | 11 | 24 | 85 | |
| 321-326 | Lapilli Tuff as above | 56947 * | 10 | 12 | 93 | |
| 326-331 | Lapilli Tuff as above | 56948 | 6 | 26 | 91 | |
| 331-336 | Lapilli Tuff as above | 56949 | 8 | 26 | 53 | |
| 336-341 | Lapilli Tuff as above | | | | | |
| 341-353 | Andesite - moderately foliated | | | | | |
| 353-355 | Diabase - fg. dense black dykelet, broken cts | | | | | |
| 355-384 | Andesite - fg-mg, green, massive to weakly foliated @ 60', amygdular flow with rare pyrite, locally brecciated and weakly hematized | 60 | | | | |
| 384-394.5 | Diabase - vfg. black, massive dykelet with chilled aphanitic contacts @ 50' | 50 | | | | |
| 394.5-399 | Andesite as above but becomes strongly foliated to schistose @ 30' with 1-2% pyrite | 30 | 56950 * | 7 | 16 | 117 |
| 399-401 | Sericite-Quartz-Pyrite Schist - highly altered Andesite with sharp contacts @ | 30 | 56951 * | 7 | 16 | 117 |
| 401-404 | Sericite-Quartz-Pyrite Schist as above | 56952 * | 22 | 60 | 14 | |
| 404-409 | Andesite - fg, green, moderately to weakly foliated amygdular (chloritoid) lava | 56953 | 7 | 40 | 70 | |
| 409-415 | Andesite as above | 56954 | 8 | 62 | 49 | |
| 415-417 | Andesite as above with 6" quartz-carb-pyrite vein at 415'-416' | 56955 * | 49 | 56 | 67 | |
| 417-434 | Andesite - green/grey, massive, amygdular | | | | | |

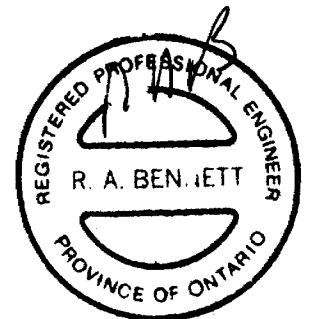
| | | | | | |
|---------|--|---------|------------|------------|------------|
| | lava with 1% pyrite, locally very weakly foliated. Sharp lower contact at | 40 | | | |
| 434-441 | Diabase - aphanitic to fg, black dykelet with sharp lower contact @ | 35 | | | |
| 441-453 | Andesite - green, massive, amygdular weakly foliated flow, becoming more altered & foliated toward gradational lower contact | | | | |
| 453-458 | Andesite as above | 56956 | 14 | 72 | 99 |
| 458-461 | Andesite as above | 56957 | 23 | 58 | 113 |
| 461-465 | Andesite - fg, green, weakly altered & moderately foliated @ 36° to schistose with minor chloritoid development. Has several narrow quartz-carb fracture fills | 56958 | 18 | 82 | 98 |
| 465-470 | Andesite as above | 56959 * | 23 | 30 | 107 |
| 470-474 | Andesite as above with 10" white qtz-vein with minor pyrite @ 50°, locally weakly hematized associated with qtz-carb veinlets | 56960 * | 11 | 20 | 73 |
| 474-480 | Andesite as before | 56961 | 6 | 42 | 66 |
| 480-486 | Andesite as above | 56962 | 3 | 10 | 27 |
| | | | Au | Cu | Zn |
| | | | ppb | ppm | ppm |
| 486-490 | Andesite as above | 56963 | 4 | 24 | 39 |
| 490-495 | Andesite as above | 56964 | 6 | 22 | 22 |
| 495-500 | Andesite as above | 56965 | 6 | 18 | 25 |
| 500-505 | Andesite as above with 2-3% pyrite and more strongly altered | 56966 | 8 | 36 | 38 |
| 505-509 | Andesite as above | 56967 * | 12 | 56 | 50 |
| 509-512 | Andesite as above | 56968 * | 10 | 18 | 37 |
| 512-516 | Andesite as above | 56969 * | 14 | 12 | 21 |

FOOT OF HOLE - 516'

H88-16 was drilled by Trans Arctic Explorations Limited of Vancouver, B. C. The hole was started November 3rd, 1988 and completed November 5th, 1988. Casing was left in the hole. 32 Core Boxes.

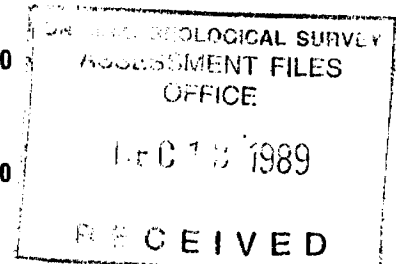
H88-16 is located about 70 meters south and 165 meters west of post # 1 of P. 1086200, Kenogaming Township, Porcupine Mining Division, Ontario.

* - Total Metallics Gold Assays also run on these samples



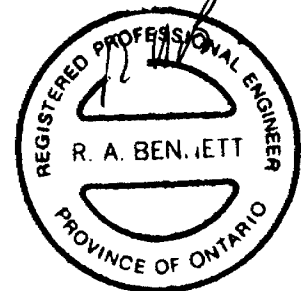
HALLEY RESOURCES LTD - BOREHOLE LOG H88-17

| HOLE #17 | CO-OR: 75S, 25E - 1988 Grid (East of Akweskwa Lake) | DIP: - 45° @ 30° Az | LENGTH: 600 ft. | | | |
|---------------|---|---------------------|-----------------|-------|--------------|-----|
| FOOTAGE ft | GEOLOGY | CA | SAMPLE # | ASSAY | Other ppb | |
| 0-16 | Overburden. Start of Core | | | | DIP TESTS | |
| 16-44 | Andesite - fg. grey/green, massive to weakly foliated with gradational contacts | | | | 300' - 40' | |
| 44-46 | Sericite-Quartz-Pyrite Schist centered around 1 cm shear zone, 2% pyrite, foliated @ 40 | | 56978 | 18 | 46 | 190 |
| 46-91.5 | Andesite as before, massive to weakly foliated with Sharp Lower Contact | | 50 | | | |
| 91.5-102.3 | Diabase - aphanitic, chilled contact's grade to mg. feldspathic, massive, chloritoid develop- ment & locally hematized. Sharp lower contact | | 80 | | | |
| 102.3-145 | Andesite as before, grey/green, weakly fol'd @ 40° but becomes more foliated downhole | | | | | |
| 145-150 | Andesite as above | | 56979 | 4 | 42 | 101 |
| 150-156 | Andesite as above | | 56980 | 7 | 48 | 115 |
| 156-162 | Andesite as above, transition to Schist to Cherty Tuff | | 56981 | 14 | 148 | 97 |
| 162-166 | Cherty Tuff - fg. grey, silicified and well banded @ 50' with 10-30% cherty bands with rare pyrite | | 50 56982 | 6 | 26 | 51 |
| 166-170 | Cherty Tuff as above plus 9" diabase dikelet @ 167' | | 50 56983 | 8 | 36 | 31 |
| 170-174 | Cherty Tuff as above | | 56984 | 14 | 52 | 125 |
| 174-179 | Cherty Tuff as above | | 56985 | 18 | 64 | 68 |
| 179-182 | Andesite Schist - grey/green sericite- chlorite schist with 2" chl mud seam (Fault) at 180' @ 35°, strongly foliated at 45° with minor chloritoid development, few barren white qtz vns and only minor pyrite, | | 45 56986 | 6 | 46 | 75 |
| 182-209 | Andesite Schist as above becomes schistose @ 55° and highly recrystallized | | | | | |
| 209-248 | Andesite Schist - chlorite-sericite-quartz ± chloritoid development, strongly foliated @ 55° and rare pyrite, 6" chlorite mud zone at 226' @ 60°, mylonite zone | | | | | |
| 248-252 | Hematized Andesite Schist - pink/grey, silicified + a few bands of pyrite up to 2% Gradational contacts | | 50 56987 | 8 | 94 | 46 |
| 252-276 | Andesite - fg. grey, massive to foliated. Granophyre dykelet @ 60' from 267'-269' Weakly silicific pale grey-green + 1% pyrite | | 60 | | | |



| | | | | | |
|-------------|--|----------|------------|------------|------------|
| | and few quartz veins 276'-286' | | | | |
| 276-281 | Andesite as above | 56988 | 6 | 66 | 46 |
| 281-286 | Andesite as above | 56989 | 3 | 44 | 38 |
| 284-363 | Andesite - vfg. grey/green, massive and cut by a few barren white qtz vns @ 60°, becomes weakly foliated @ 65° with gradational cts | 65 | | | |
| 363-367 | Andesite as above | 56990 | 14 | 42 | 63 |
| 367-371 | Silicified Andesite - light grey, strongly foliated, silicified and sericitized with minor qtz-carb fracture fillings at all angles, 1% pyrite overall. | 65 | | | |
| | | 56991 | 3 | 94 | 88 |
| 371-375 | Silicified Andesite as above | 56992 | 15 | 54 | 100 |
| 375-379 | Silicified Andesite as above. Sharp LC | 75 56993 | 3 | 38 | 72 |
| 379-384.6 | Granophyre Dyke - cg, feldspathic and weakly hematized with chilled contacts @ | 75 | Au | Cu | Zn |
| | | | ppb | ppm | ppm |
| 384.6-387 | Silicified Andesite - highly foliated @ with 1% pyrite and few white qtz + pyrite veins at 65°, highly recrystallized | 65 | | | |
| | | 56994 | 2 | 60 | 62 |
| 387-392 | Silicified Andesite as above | 56995 | 3 | 40 | 68 |
| 392-396 | Silicified Andesite as above | 56996 | 3 | 38 | 96 |
| 396-400 | Silicified Andesite as above | 56997 | 4 | 36 | 59 |
| 400-403.2 | Silicified Andesite as above. Sharp LC | 60 56998 | 10 | 52 | 52 |
| 403.2-406 | Granophyre - fg, pinkish-hematized and silicified dyke with 2% pyrite, 50% quartz vein + pyrite at 405'-406' | 60 | | | |
| | | 56999 | 3 | 72 | 87 |
| 406-409.5 | Shear Zone - highly broken, green, chloritic, altered granophyre with strong schistosity | 67 | | | |
| 409.5-425.3 | Granophyre - cg, dark grey/green ± pink with disseminated pyrite (1%), quite chloritic | | | | |
| 425.3-429 | Serpentinized Peridotite - fg, grey/black, soapy, talcose ultramafic with 1" shear @ 426.5 at 50°. Sharp Lower Contact at | 65 | | | |
| 429-434 | Silicified Andesite - very highly altered with granophyre dykelets and 1% pyrite. | 65 | | | |
| | | 57000 | 4 | 70 | 78 |
| 434-438 | Silicified Andesite as above. Sharp LC | 70 57001 | 3 | 76 | 61 |
| 438-508 | Peridotite - serpentine-talc-carbonate-schist with 2" mud zone shear @70° at 451' | | | | |
| 508-511 | Granophyre Dyke - Sharp contacts at | 80 | | | |
| 511-600 | Peridotite - grey/green, mottled, talcose and highly recrystallized ultramafic sill | | | | |

FOOT OF HOLE - 600'



H88-17 was drilled by Trans Arctic Explorations Limited of Vancouver, B.C. The hole was started November 6th, 1988 and completed November 11th, 1988. Casing Pulled. 32 Core Boxes.

H88-17 is located about 70 meters south and 165 meters west of post # 1 of Claim P. 1086200, Kenogaming Township, Porcupine Mining Division, Ontario.



Name and Postal Address of Recorded Holder
HARVEY RESOURCES LIMITED T 5199
304-701 W. Georgia St., Vancouver, B.C., V7Y 1G5

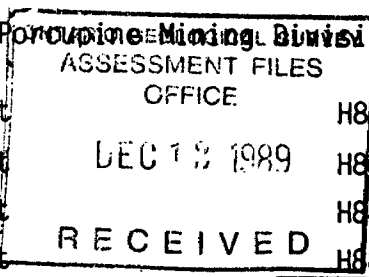
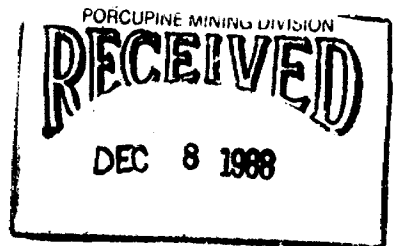
Summary of Work Performance and Distribution of Credits

| Total Work Days Cr. claimed <i>4404 4401 (4200)</i> | Mining Claim | | Work Days Cr. | Mining Claim | | Work Days Cr. | Mining Claim | | Work Days Cr. |
|---|--------------|-----------|---------------|--------------|-----------|---------------|--------------|----------------------|----------------|
| | Prefix | Number | | Prefix | Number | | Prefix | Number | |
| for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey | P | 998379 ✓ | 200 | P | 1075113 ✓ | 200 | P | 1075121 ✓ | 200 |
| | | 998380 ✓ | 200 | | 1075114 ✓ | 200 | | 1075122 ✓ | 200 |
| | | 1025230 ✓ | 200 | | 1075115 ✓ | 200 | | 1075123 ✓ | 200 |
| | | 1025231 ✓ | 200 | | 1075116 ✓ | 200 | | 1086200 ✓ | 200 |
| | | 1025232 ✓ | 200 | | 1075117 ✓ | 200 | | 1086201 ✓ | 200 |
| | | 1025233 ✓ | 200 | | 1075118 ✓ | 200 | | 1048927 ✓ | 200 |
| | | 1025868 ✓ | 200 | | 1075119 ✓ | 200 | | | 200 |
| | | 1075112 ✓ | 200 | | 1075120 ✓ | 200 | | | |

All the work was performed on Mining Claim(s): P. 998379, P. 998380, P. 1025230, P. 1025231, P. 1086200
SEE REPORT 552 ATTACHED.

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Drilled by: TRANS ARCTIC EXPLORATIONS LTD., 815-850 W. Hasting St., Vancouver, B.C.
 Equipment: Boyles BBS-37 Wireline Diamond Drill
 Core Size: BQ
 Township: Kenogaming Twp., Porcupine Mining Division
 Borehole No.: H88-2 = 401 ft H88-9 = 188 ft H88-8 = 156 ft
 H88-3 = 401 ft DEC 12 1989 H88-10 = 340 ft H88-17 = 600 ft
 H88-5 = 567 ft H88-15 = 500 ft
 H88-7 = 735 ft H88-16 = 516 ft
 Total Footage: = ~~4404~~ ft **4401 FT.**
 Date of Report: Dec 7/88
 Recorded Holder or Agent (Signature): *[Signature]*



Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
Robert A. Bennett., P. O. Box 159, MATHESON
Ontario, POK 1N0
Date Certified: Dec 7/88
Certified by (Signature): *[Signature]*

Table of Information/Attachments Required by the Mining Recorder

| Type of Work | Specific information per type | Other Information (Common to 2 or more types) | Attachments |
|---|--|---|--|
| Manual Work | Nil | RECORDED Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment. DEC 8 1988 | Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post. |
| Shaft Sinking, Drifting or other Lateral Work | | | |
| Compressed air, other power driven or mechanical equip. | Type of equipment | Names and addresses of owner or operator together with dates when drilling/stripping done. | Work Sketch (as |
| Power Stripping | Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording. | | |
| Diamond or other core | Signed core log showing: footage, diameter of | | |



DOCUMENT NO. W 8906-552

Instructions - Supply required data on a separate form for each type of work to be recorded (see table below).
- For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Mining Act

| | |
|---|---|
| Name and Postal Address of Recorded Holder HOEY RESOURCES LIMITED | Prospector's Licence No. T 5199 |
| 304-701 W. Georgia St., Vancouver, B.C., V7Y 1G5 | |

Summary of Work Performance and Distribution of Credits

| Total Work Days Cr. claimed 4404 4401 (20) | Mining Claim | | Work Days Cr. | Mining Claim | | Work Days Cr. | Mining Claim | | Work Days Cr. |
|---|--------------|-----------|---------------|--------------|-----------|---------------|--------------|-----------|---------------|
| | Prefix | Number | | Prefix | Number | | Prefix | Number | |
| for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey | P | 998379 ✓ | 200 | P | 1075113 ✓ | 200 | P | 1075121 ✓ | 200 |
| | | 998380 ✓ | 200 | | 1075114 ✓ | 200 | | 1075122 ✓ | 200 |
| | | 1025230 ✓ | 200 | | 1075115 ✓ | 200 | | 1075123 ✓ | 200 |
| | | 1025231 ✓ | 200 | | 1075116 ✓ | 200 | | 1086200 | 200 |
| | | 1025232 ✓ | 200 | | 1075117 ✓ | 200 | | 1086201 | 200 |
| | | 1025233 ✓ | 200 | | 1075118 ✓ | 200 | | 1048927 ✓ | 204 |
| | | 1025868 ✓ | 200 | | 1075119 ✓ | 200 | | | 201 |
| | | 1075112 ✓ | 200 | | 1075120 ✓ | 200 | | | |

All the work was performed on Mining Claim(s): P. 998379, P.998380, P.1025230, P.1025231, P. 1086200

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Drilled by: TRANS ARCTIC EXPLORATIONS LTD., 815-850 W. Hasting St., Vancouver, B.C.

Equipment: Boyles BBS-37 Wireline Diamond Drill

Core Size: BQ

Township: Kenogaming Twp., Porcupine Mining Division

Borehole No.: H88-2 = 401 ft H88-9 = 188 ft H88-8 = 156 ft
 H88-3 = 401 ft H88-10 = 340 ft H88-17 = 600 ft
 H88-5 = 567 ft H88-15 = 500 ft
 H88-7 = 735 ft H88-16 = 516 ft

Total Footage: = 4404 ft **4401 FT.**

RECORDED
DEC 7 1989

RECEIVED
DEC 8 1988

185 (paper log) 2

| | |
|----------------------------|--|
| Date of Report Dec 7/88 | Recorded Holder or Agent (Signature) <i>[Signature]</i> |
|----------------------------|--|

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
Robert A. Bennett., P. O. Box 159, MATHESON

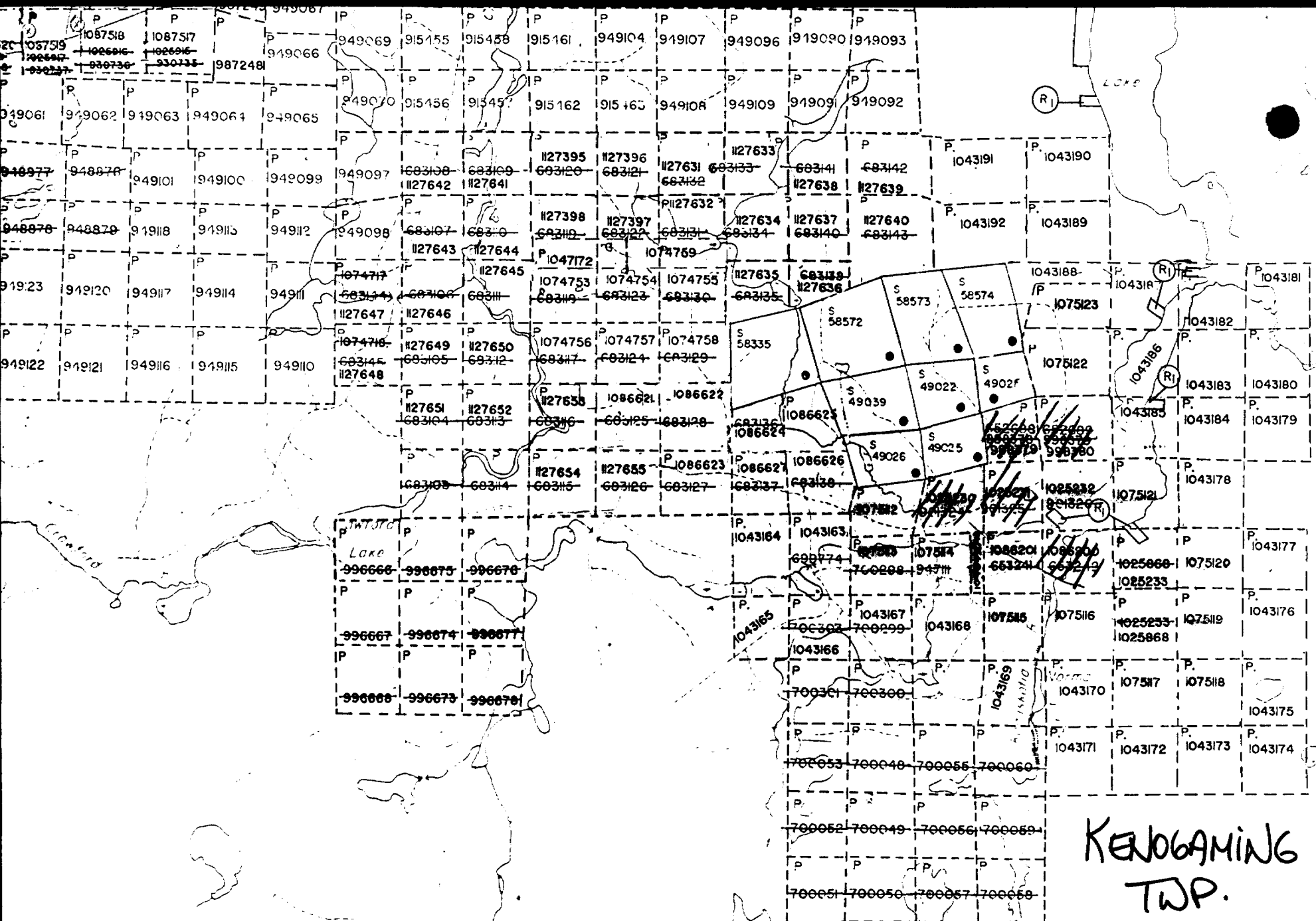
Ontario, POK 1N0

Date Certified
Dec 7/88

Certified by (Signature)
[Signature]

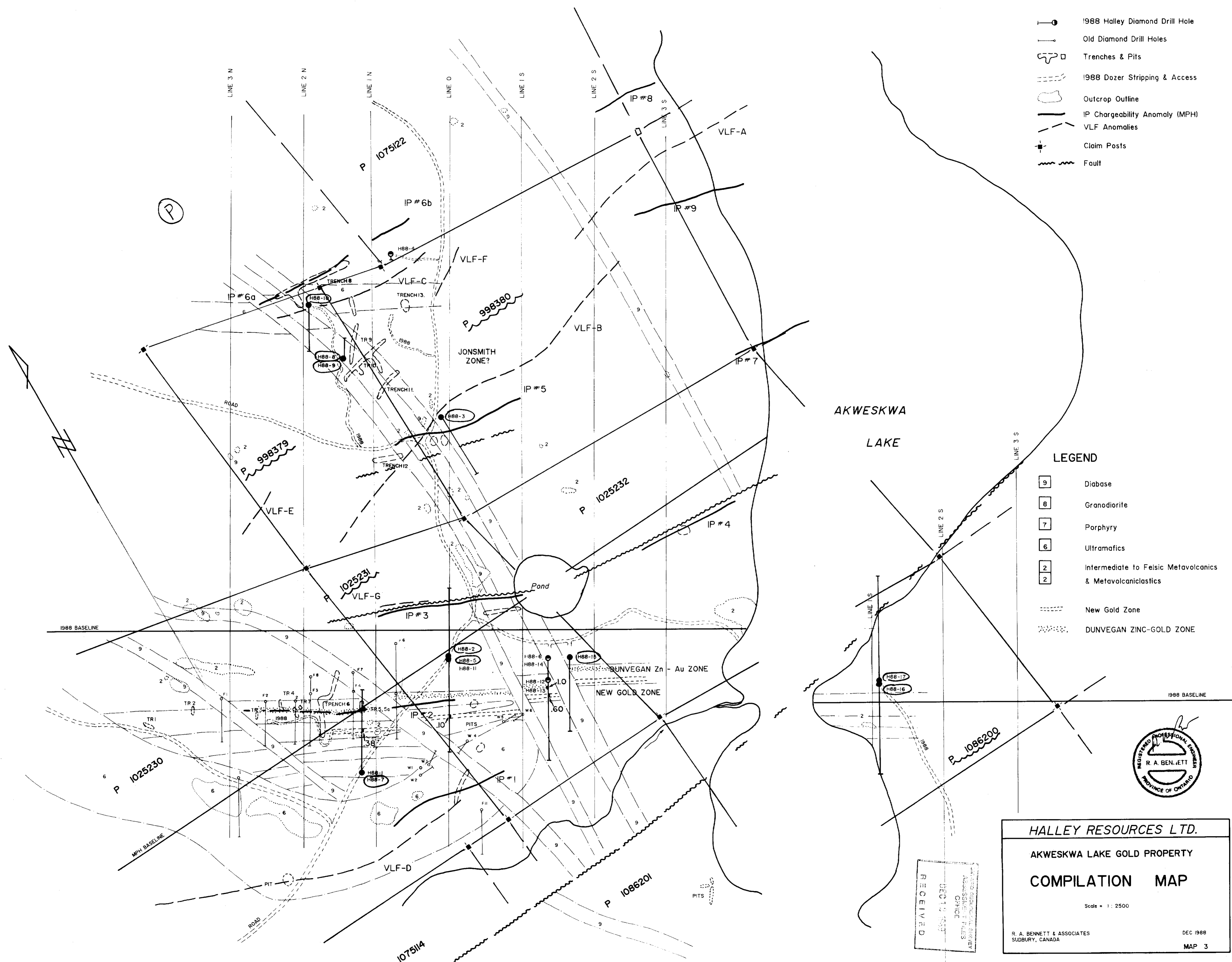
Table of Information/Attachments Required by the Mining Recorder

| Type of Work | Specific information per type | Other information (Common to 2 or more types) | Attachments |
|---|--|---|--|
| Manual Work | Nil | Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment. | Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post. |
| Shaft Sinking, Drifting or other Lateral Work | | | |
| Compressed air, other power driven or mechanical equip. | Type of equipment | | |
| Power Stripping | Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording. | Names and addresses of owner or operator | |



SYMBOLS

- 1988 Halley Diamond Drill Hole
- Old Diamond Drill Holes
- Trenches & Pits
- 1988 Dozer Stripping & Access
- Outcrop Outline
- IP Chargeability Anomaly (MPH)
- VLF Anomalies
- Claim Posts
- Fault



LEGEND

- Diabase
- Granodiorite
- Porphyry
- Ultramafics
- Intermediate to Felsic Metavolcanics & Metavolcaniclastics
- New Gold Zone
- DUNVEGAN ZINC-GOLD ZONE

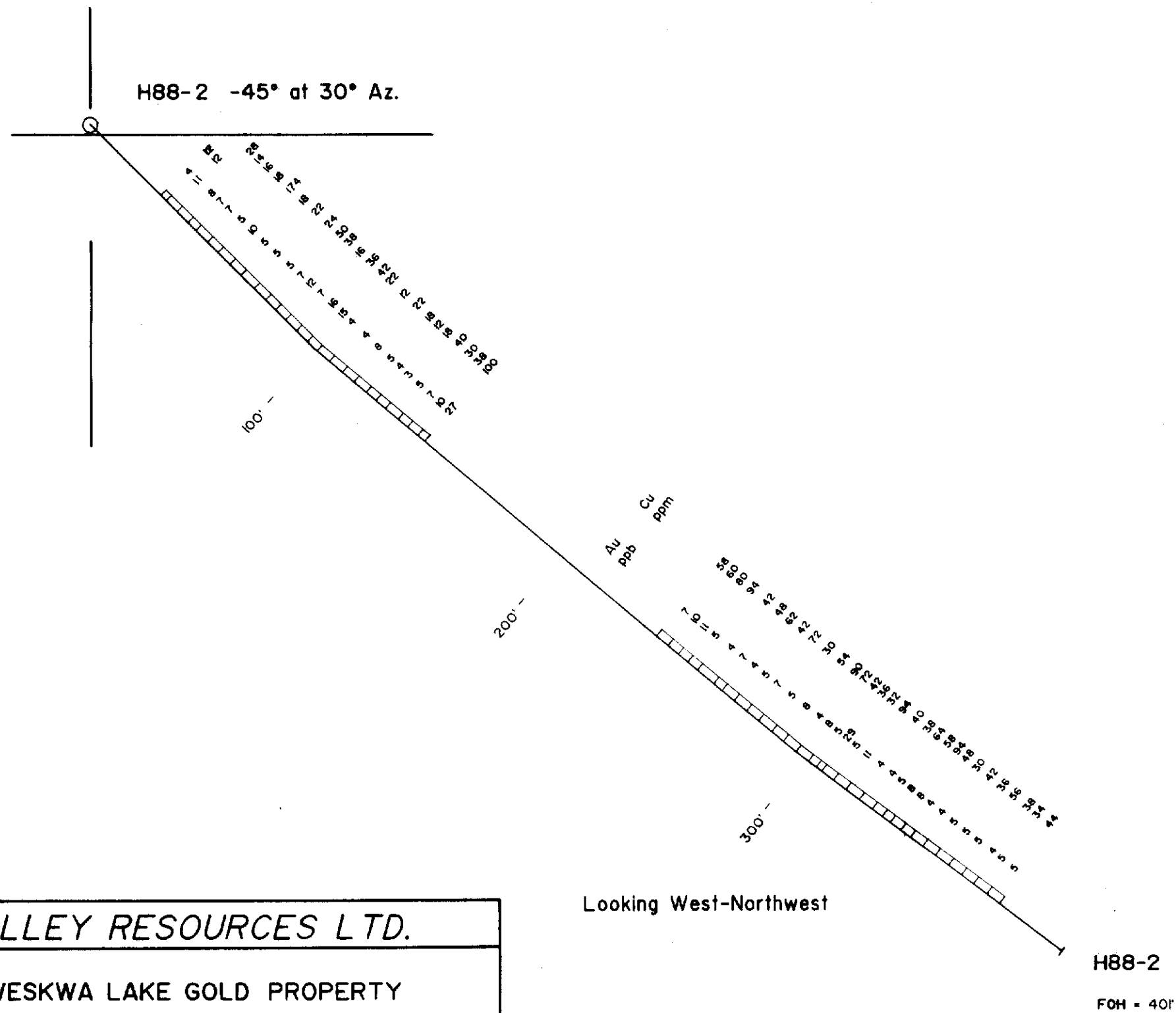


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DEC 13 1988
MINING DIVISION
SUDBURY OFFICE

HALLEY RESOURCES LTD.
AKWESKWA LAKE GOLD PROPERTY
COMPILATION MAP
Scale = 1:2500
R. A. BENNETT & ASSOCIATES
SUDBURY, CANADA
DEC 1988
MAP 3



1
300



HALLEY RESOURCES LTD.

AKWESKWA LAKE GOLD PROPERTY

DRILL SECTION H88-2

Scale = 1 : 480

R. A. BENNETT & ASSOCIATES
SUDBURY, CANADA

SEPT 1988



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ASSESSMENT FILES
OFFICE
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HALLEY RESOURCES LTD.

AKWESKWA LAKE GOLD PROPERTY

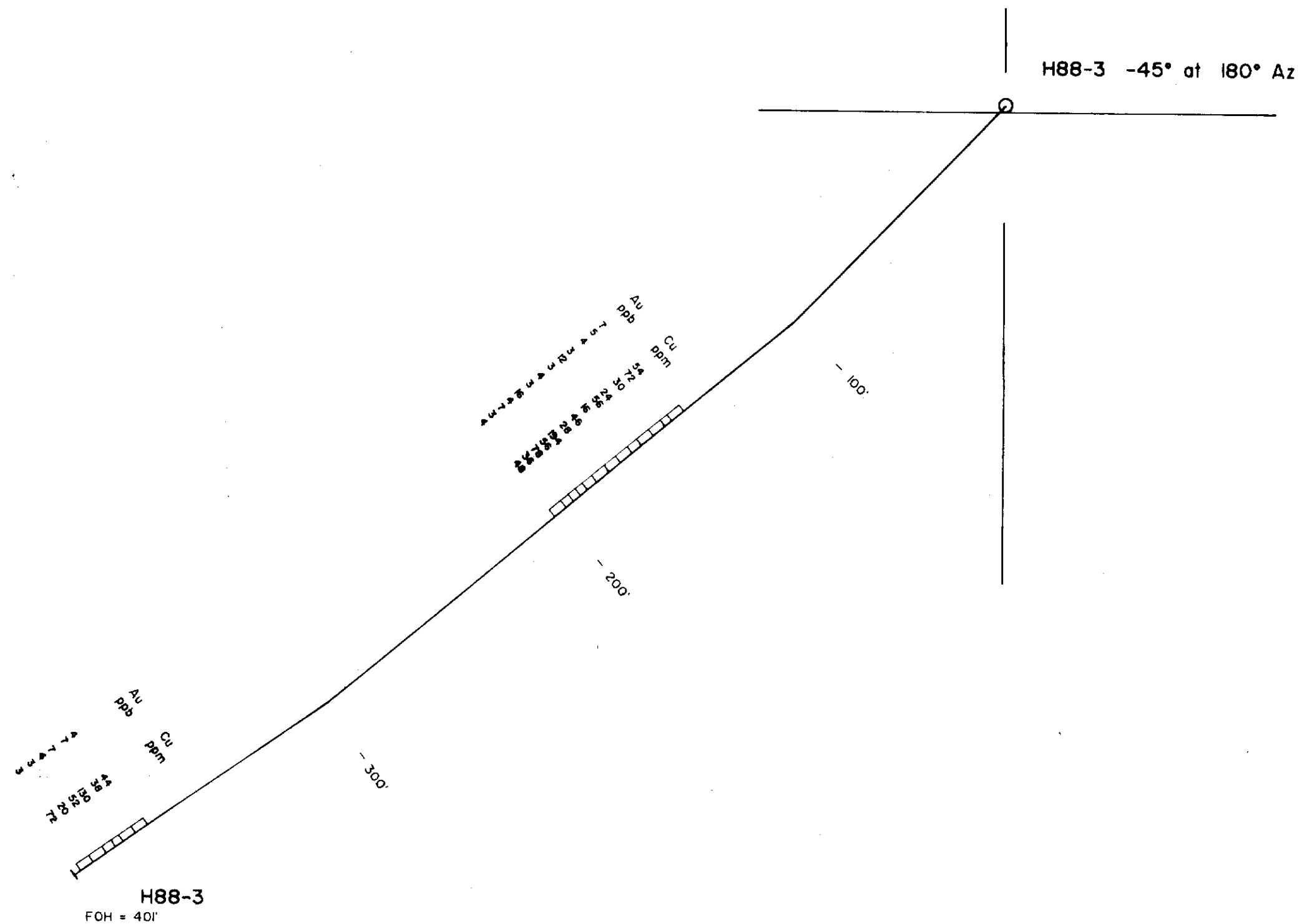
DRILL SECTION H88-3

Scale = 1 : 480

R. A. BENNETT & ASSOCIATES
SUDBURY, CANADA

SEPT 1988

Looking West



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ADDRESS: 111 FILES
OFFICE



HALLEY RESOURCES LTD.

AKWESKWA LAKE GOLD PROPERTY

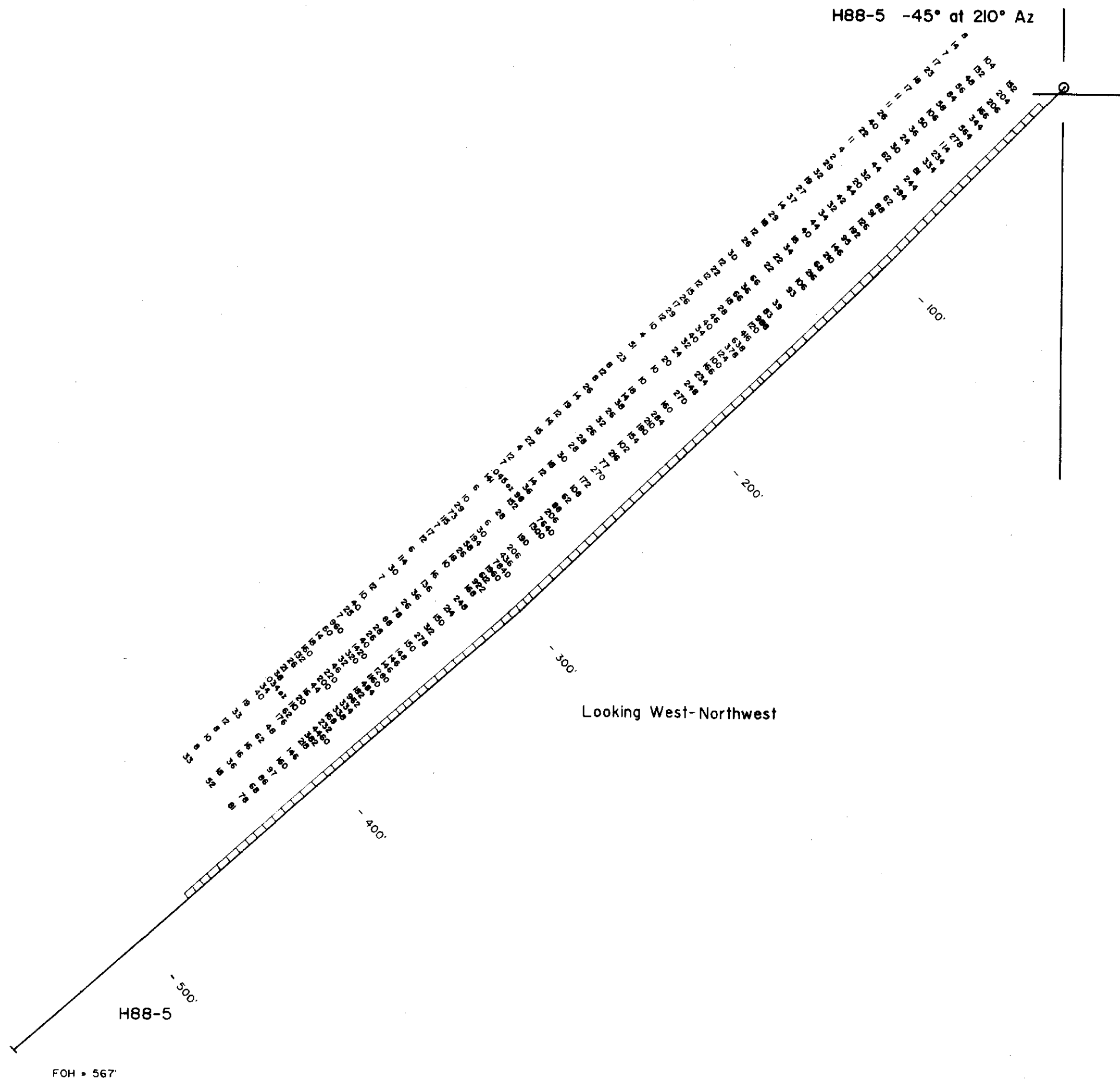
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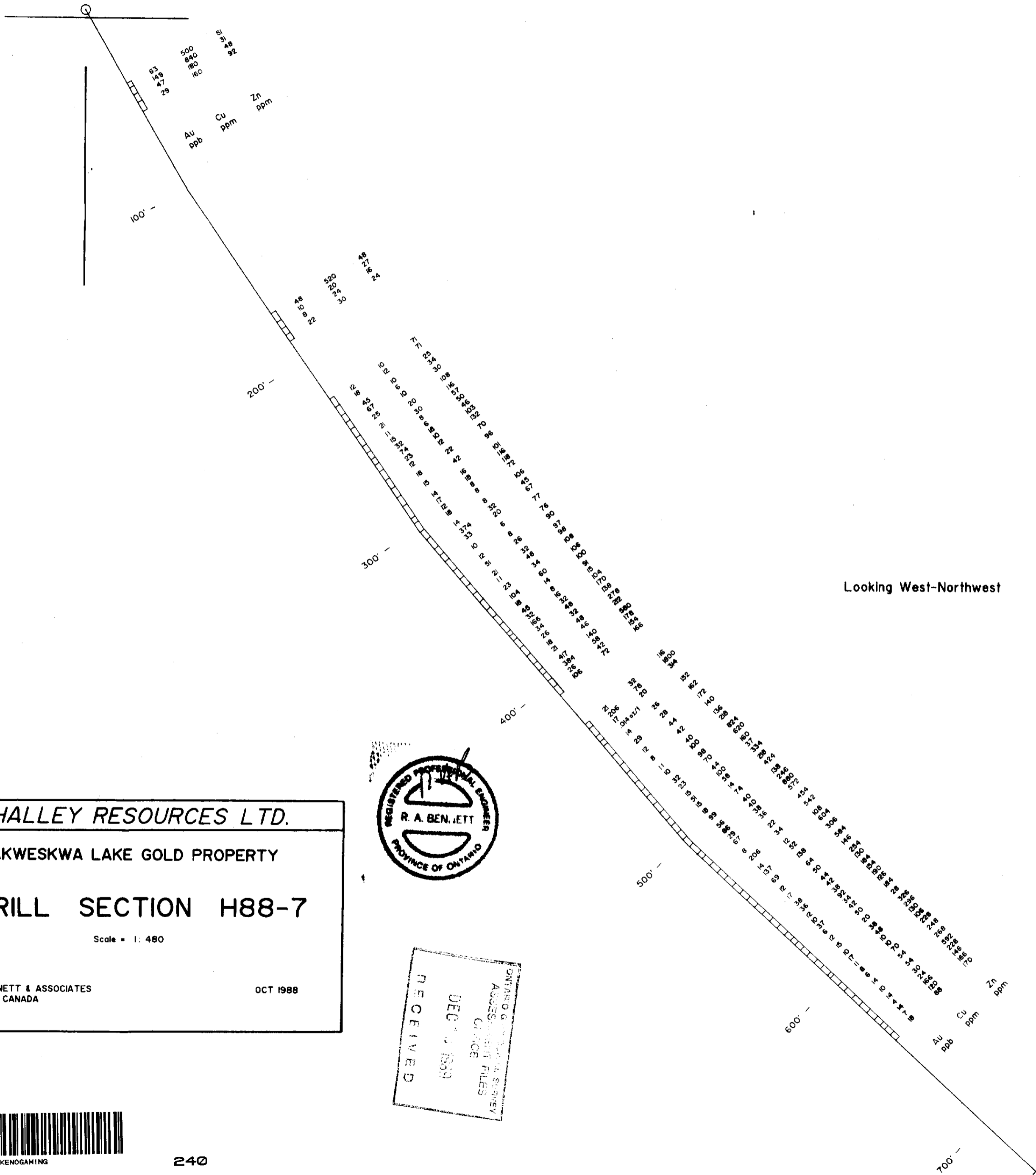
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SUDBURY, CANADA

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ASSESSMENT FILES
OFFICE

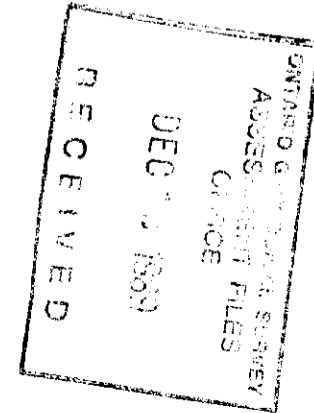


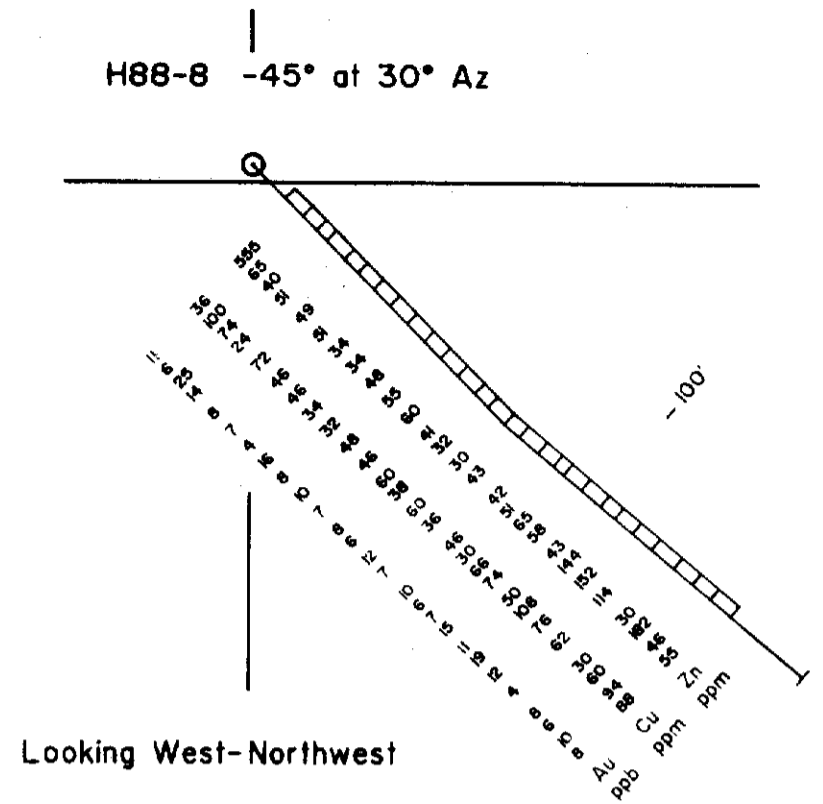
H88-7 -60° at 030° Az



Looking West-Northwest

HALLEY RESOURCES LTD.
AKWESKWA LAKE GOLD PROPERTY
DRILL SECTION H88-7
 Scale = 1:480
 R. A. BENNETT & ASSOCIATES
 SUDBURY, CANADA
 OCT 1988





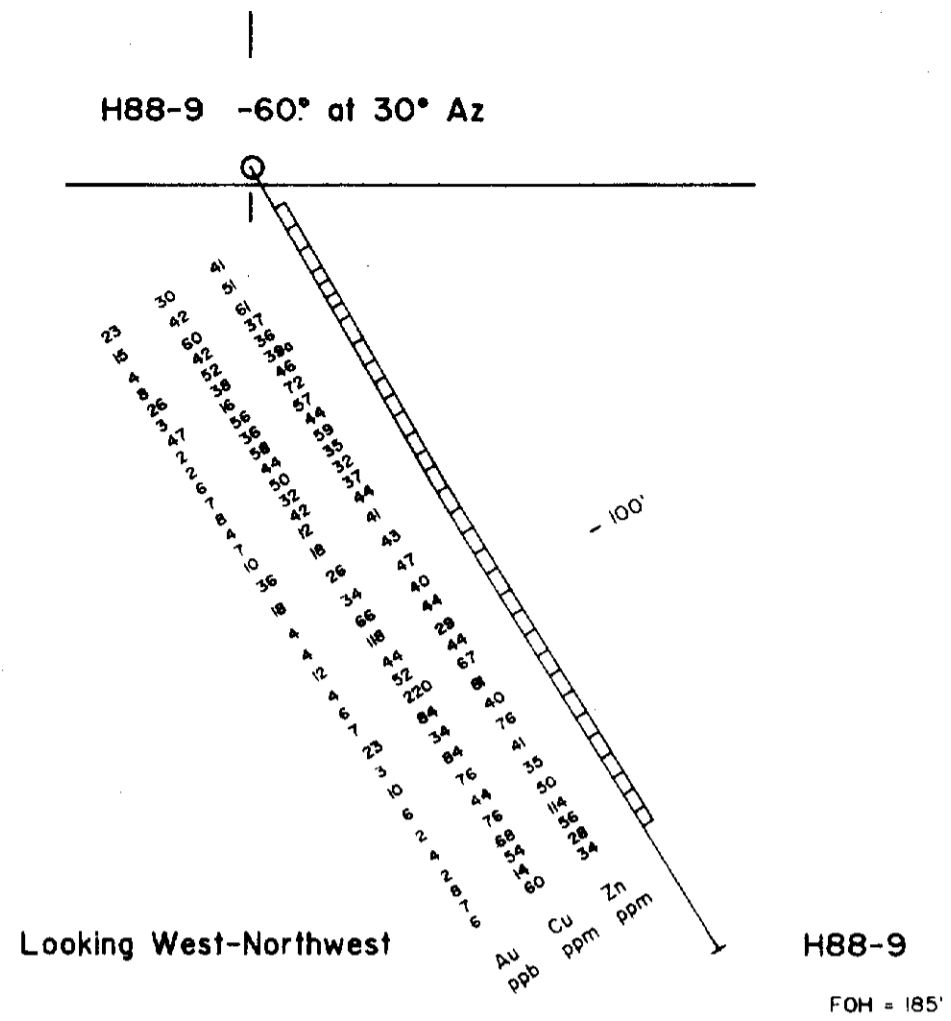
H88-8
FOH = 156'

| | |
|---|-----------|
| HALLEY RESOURCES LTD. | |
| AKWESKWA LAKE GOLD PROPERTY | |
| DRILL SECTION H88-8 | |
| Scale = 1 : 480 | |
| R. A. BENNETT & ASSOCIATES SUDBURY, CANADA | SEPT 1988 |



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HALLEY RESOURCES LTD.

AKWESKWA LAKE GOLD PROPERTY

DRILL SECTION H88-9

Scale: 1 : 480

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SUDBURY, CANADA

OCT 1988



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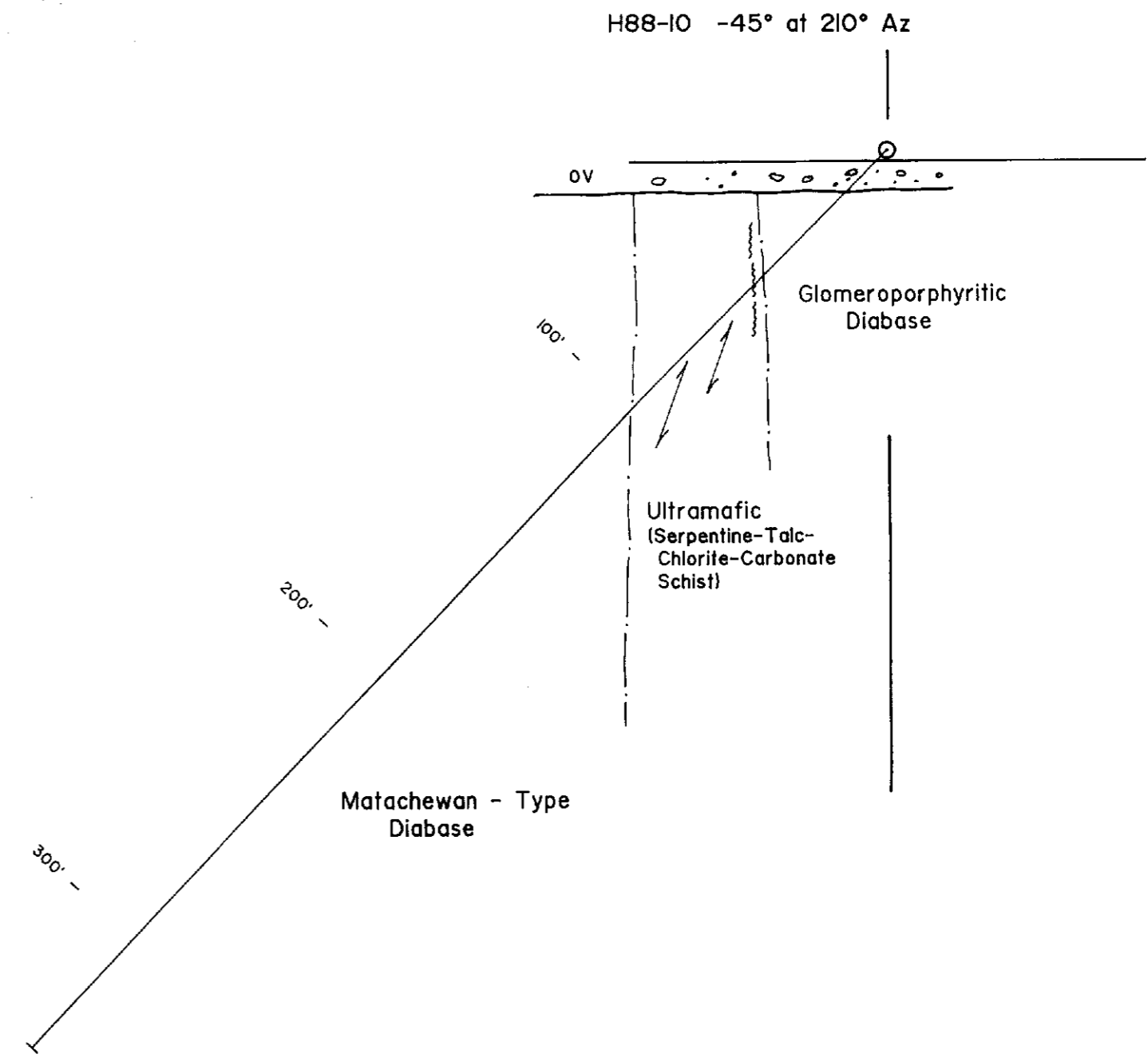
Looking West-Northwest
(300° Azimuth)

No Assays Taken for H88-10

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OTTAWA



H88-10
FOH = 340'



HALLEY RESOURCES LTD.

AKWESKWA LAKE GOLD PROPERTY

GEOLOGY SECTION H88-10

Scale = 1:480

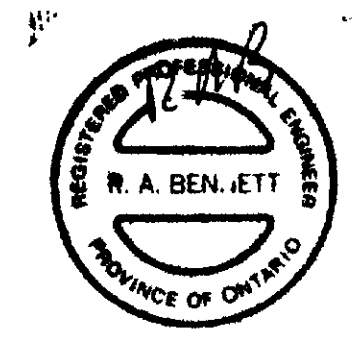
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SUDBURY, CANADA

OCT 1988

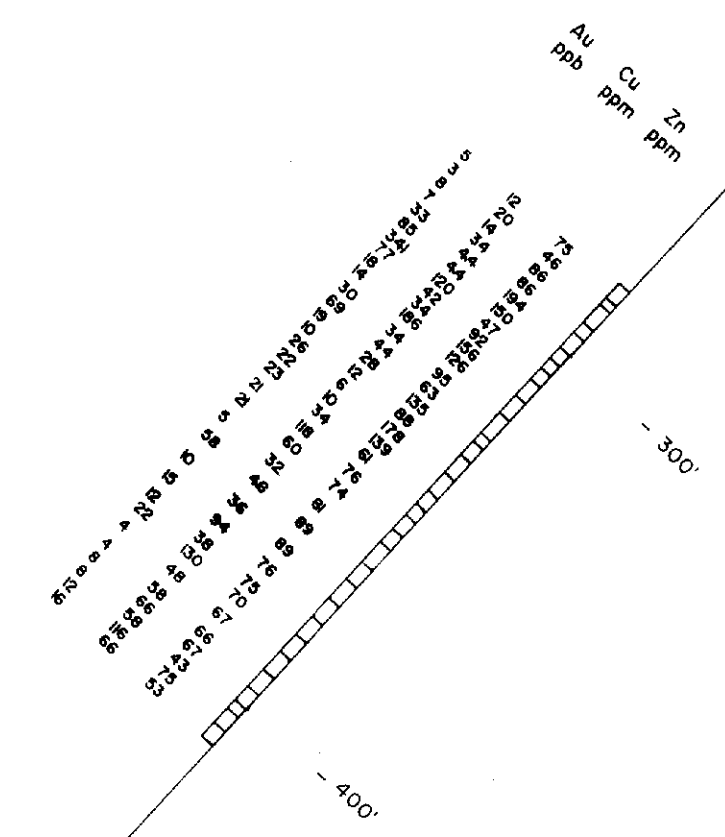


H88-15 -45° at 210° Az

Looking West-Northwest



H88-15
FOH = 500'



HALLEY RESOURCES LTD.

AKWESKWA LAKE GOLD PROPERTY

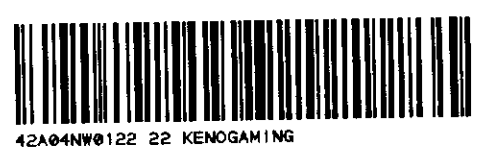
DRILL SECTION H88-15

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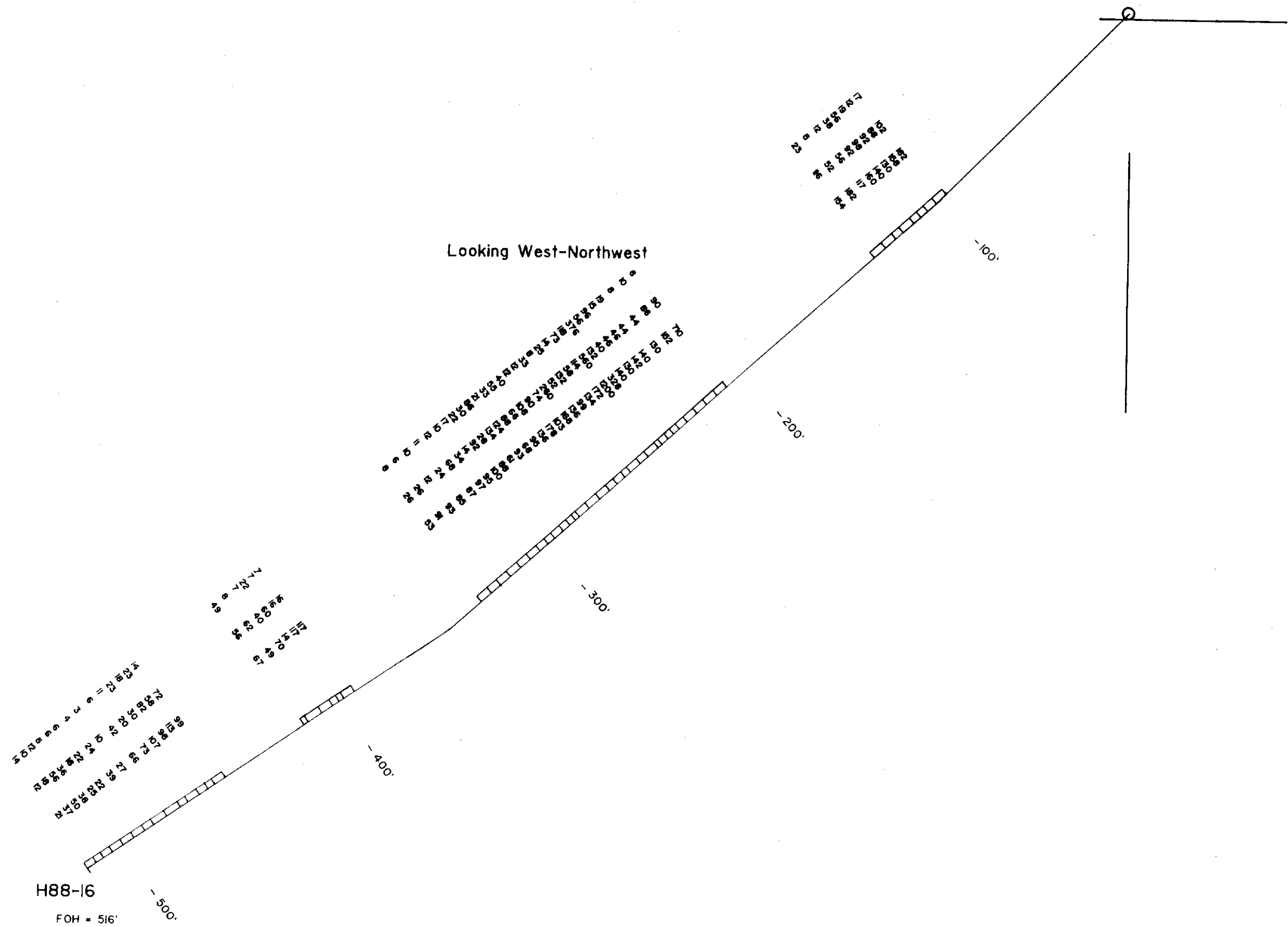
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SUDBURY, CANADA

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1988 NOV 17 10:09
ADMINISTRATIVE SERVICES
OFFICE



H88-16 -45° at 210° Az



HALLEY RESOURCES LTD.

AKWESKWA LAKE GOLD PROPERTY

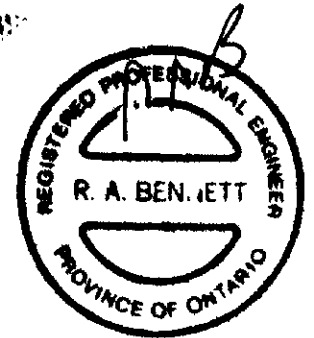
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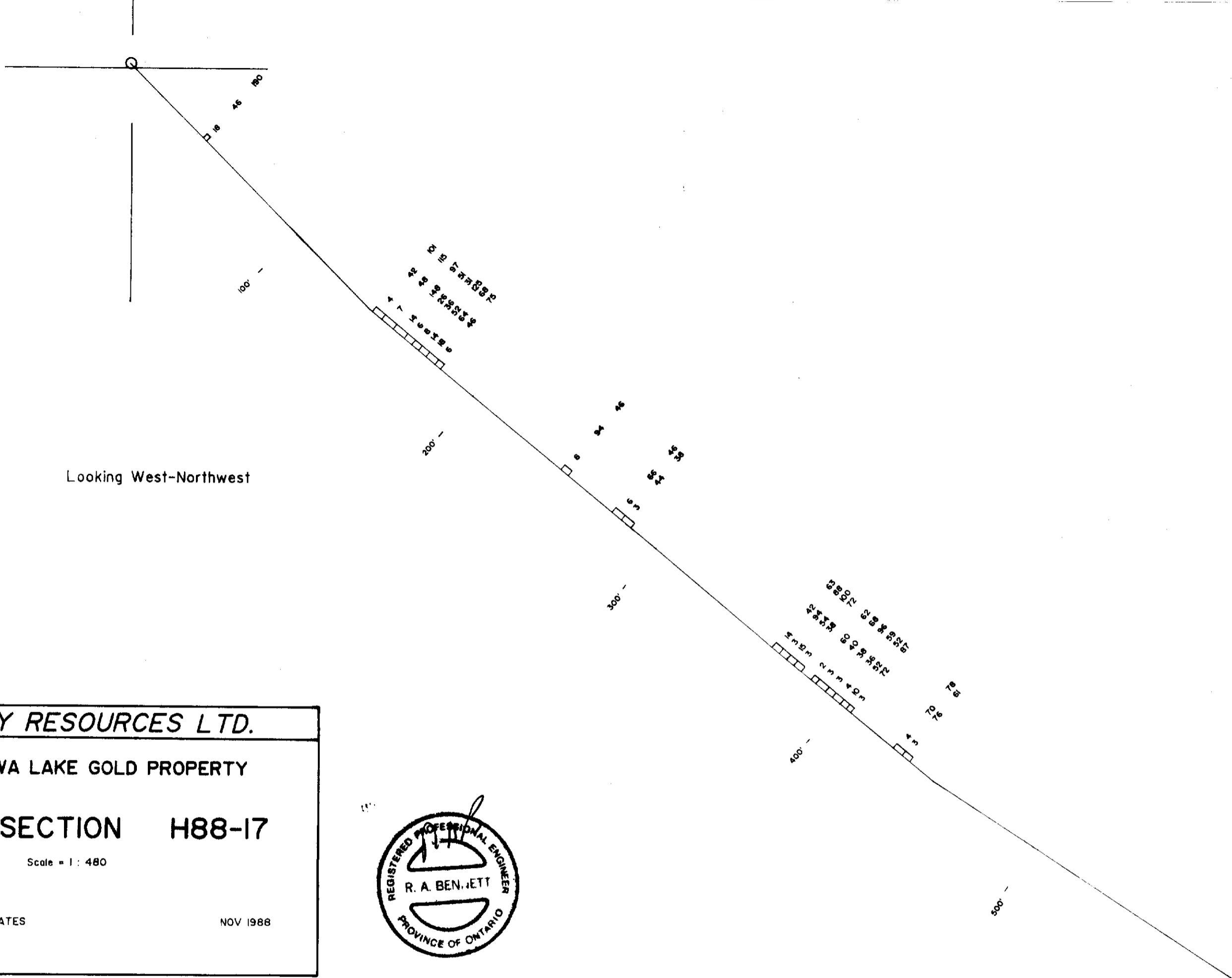
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R. A. BENNETT & ASSOCIATES
SUDBURY, CANADA

NOV 1988

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Looking West-Northwest

HALLEY RESOURCES LTD.

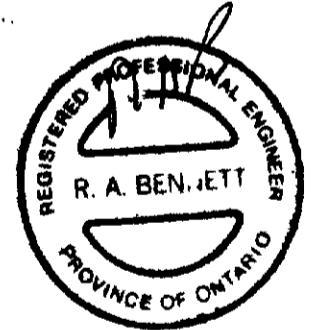
AKWESKWA LAKE GOLD PROPERTY

DRILL SECTION H88-17

Scale = 1 : 480

R. A. BENNETT & ASSOCIATES
SUDBURY, CANADA

NOV 1988



H88-17
FOH = 600'

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