



52J02SW8800 10 FOURBAY LAKE

010



Diamond Drilling

Area of Fourbay Lake

Report NO 10

Work performed by: C.J. Ryan

| Claim NO | Hole NO | Footage | Date | Note |
|--------------|--------------|------------------|--------|------|
| T.B.30675 | 1 | 220' | Dec/46 | |
| | 4 | 171.2' | Nov/46 | |
| | 5 | 208' | Nov/46 | |
| T.B.32473 | 2 | 251' | Nov/46 | |
| | 3 | 316' | Nov/46 | |
| T.B.30674 | 6 | 313' | Dec/46 | |
| | 7 | 350' | Dec/46 | |
| T.B.32471 | 8 | 313' | Feb/47 | |
| T.B.22467 | 10 | 262.7' | Jan/47 | |
| T.B.32471 | 11 | 252' | Jan/47 | |
| <u>TOTAL</u> | <u>10 DH</u> | <u>2656.9 FT</u> | | |

Notes:

Autopositive enclosed

KING BAY

HANS LUNDBERG
(FOR C. J. RYAN)

D.D. HOLE #1

9-1-67

Started Dec. 4, Finished Dec. 5, 1946.

Location of Collar E 10,200 N 4100

Dip at Collar = 45°

Bearing N 20° W

Dip at 215' = 44°

| Footage | Description | Footage | Detail Description | Samples | Oz. Au |
|---------|---|----------------------------|---|---|--------|
| 8 | Casing | | | | |
| 18.5 | Andesite | 33.4 | 2" qtz-calcite veinlet pyrite | | |
| 100 | Bleached altered Andesite 10% carbonate-dissemin. pyrite | 46-47 | Numerous calcite veinlets | | |
| | | 75.8-76.5 | Slight shearing-white qtz, calcite, chlorite | 75.8-76.5 #10 | Nil |
| | | 81.3-81.7 | " " " " " " | | |
| | | 85-88.4 | " " white qtz - some carbonate Small amount pyrite and pyrrhotite Fine chalcopyrite grains in the qtz stringers | 85.5-88.4 #11 | Nil |
| 114 | Fine andesite - fractured - carbonate and quartz | | | | |
| 119 | Silicified andesite -slightly fractured - odd bleb pyrite and a few grains chalcopyrite | | | 113.3-118.3 #33 | Trace |
| 123 | Andesite | | | | |
| 124.5 | Silicified Andesite | | | | |
| 131 | Coarse Andesite | | | | |
| 136 | Andesite | | | | |
| 142.4 | Rhyolite with flow lines | | | | |
| 153 | Andesite - 30% carbonate slightly sheared - few grains coarse pyrite | 202.9- 203.6 202-220 | Silicification with minor sulphides | 187.7-188.8 #34 | Trace |
| 220 | Light green andesite 220 End of Hole | | Massive uniformly grained - very few fractures | Silicification, minor pyrrhotite and chalcopyrite | |

D. D. HOLE #2

Started Nov. 26, Finished Nov. 28, 1947

Location of Collar E 10,900 N 4290

Dip at Collar = 45°

Bearing N 5° W

Dip at 241' - 45°

| Footage | Description | Footage | Detail Description | Samples | Oz. Au |
|---------|--|-------------|---|---------------|--------|
| 12.6 | Casing | | | | |
| 38 | Andesite | 22.5-24.5 | Bleached and some carbonate | | |
| 48 | Coarse Andesite | 48-49 | Bleached and some carbonate | | |
| 63 | Andesite | 49.5-50 | Shearing (slight)-qtz, calcite, chlorite | | |
| 69.5 | Bleached carbonate andesite | 82.5-83 | Slight shearing parallel to core - qtz, calcite, chlorite | | |
| 91.6 | Andesite - some fracturing and some silicification- fractures filled with quartz | 91.6-92.4 | Slightly sheared and silicified - 1" qtz stringer at (91.2) with considerable pyrite and pyrrhotite | 90.7-92.5 #35 | Trace |
| 94.5 | Andesite | | | | |
| 99.6 | Rhyolite Porphyry (?) slightly fractured. Some pyrite in fractures | 99.3-99.5 | Shearing (slight)-qtz-calcite-heavy pyrite) calcite | 99.3-99.5 #7 | Trace |
| | | 104.7-105 | Slight shearing-qtz-calcite-heavy) leached pyrite) | 104.7-105 #8 | 0.04 |
| 107 | Andesite | | | | |
| 124 | Fine grained andesite | 121-124.5 | Silicified | | |
| 192 | Andesite | 185-192 | Coarser grained | | |
| 204.8 | Light green Andesite few quartz stringers | 152.3-152.6 | Flow top | | |
| | | 158-158.5 | Blanching | | |
| | | 193.3 | Flow top | | |
| 214.8 | Andesite - few qtz stringers | 205 | Flow top | | |
| 238 | Light Grey Andesite | | | | |
| 251 | Coarse grained andesite Massive | | | | |
| | 251' End of hole | | | | |

D. D. HOLE #3

Started Nov. 20, Ended Nov. 23, 1945.

Location of Collar E 11,469 N 4,272 Dip at Collar = 45°

Bearing N 10° W Dip at 308' = 43°

| Footage | Description | Footage | Detail Description | Samples | Gr. Au |
|---------|--|--|--|--|--------|
| 2 | Casing in Bedrock | 21-21.5 27-24 26.2-27 40.5-41 57-54.7 55-58 113.5- 114.5) 120-120.4) | Pillows? - epidote, quartz Quite considerable epidote and quartz Carbonate and epidote " " " Carbonate, qtz, epidote Carbonate and epidote Carbonate and epidote | | |
| 159.5 | Massive Andesite | 123-143 | Well fractured-cemented with qtz and calcite-some replacement of qtz and calcite- some bleaching along fractures | 123.5'-124.2' #36 2 1/2" qtz with heavy pyrrhotite mineralization | Trace |
| 189 | Medium to coarse grained Andesite. May be dioritic intrusive- no def. contact- slightly fractured | 187.5 - 189 | Fine grained bands | | |
| 194 | Light gray Andesite wit' two short sects of coarser material | | | | |
| 195 | Finely banded rock-may be Tuff | | | | |
| 198 | Fine grained Tuff-very poorly bedded | | | | |
| 200.4 | Fairly well bedded Tuff | 199.8 - 200.4 | Shearing - carbonate, qtz, disseminated pyrites, pyrrhotite and chalcocopyrite | 199.8-200.4 #5 | Nil |
| 205 | Diorite | 205.6 - 207 | Fracturing - blue qtz - calcite | | |
| 223 | Tuff - mostly well bedded qtz and carbonate replacements up to 1 1/2 inches | 208.2 - 208.8 220.7- 223 | Blue qtz, calcite veinlet - pyrrhotite, pyrite and chalcocopyrite in fractures in qtz Considerable replacement by bluish quartz | 208.2-208.8 #6 | Nil. |

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D.D. LE #3 (cont'd)

| Footage | Description | Footage | Detail Description | Samples | Gr. An |
|---------|---|---------|--|---|------------------------------------|
| 316 | Light Green to Grey Andesite some fracturing | | Andesite with narrow bands of bluish quartz and carbonate - trace of sulphides - mostly pyrite | 265-267.4 #37 272.5-275.1 #38 280.8-283.8 #39 291.7-293.2 #40 312.5-315.3 #41 | Trace 0.08 Nil Nil Nil |
| | 316' End of Hole | | | | |

Hole perhaps should have continued until the fractured rock
was completely intersected.

D. D. HOLK #4

Started Nov. 30, Finished Dec. 1, 1946.

Location of Collar E 10,600 N 3780

Bearing N 10° E

| Footage | Description | Footage | Detail Description | Samples | Au Cz. |
|---------|--|-----------|--|---|--------|
| 9 | Casing | | | | |
| 36 | Coarse Andesite | 5-45 | May be all Diorite - only slightly fractured | | |
| 42.5 | Diorite | | | | |
| 43.4 | Fine Andesite | | | | |
| 45 | Diorite | | | | |
| 54 | Bleached altered Andesite | | Carbonate and chlorite | | |
| | | 56.2-56.9 | Mineralization in permeable sediment (?) | 56.5-56.9 #9 | Trace |
| 71 | Slightly sheared sericitic chloritic rock-may have been derived from Tuffs Some carbonate | 59.8-60.2 | Shearing - blue quartz - clucite - sercite chlorite - some pyrite | 59.8 -60.2 #42 | Nil |
| 103 | Andesite | | | 91.7-92.2 #43 | Trace |
| 109 | Coarse Andesite | | | Some sulphides in bleached andesite - few grains pyrrhotite and chalcopyrite. | |
| 111 | Andesite | | | | |
| 115 | Light green andesite | | | | |
| 122 | Andesite | | | | |
| 162.2 | Diorite | 162.2 | Sharp contact normal to core | | |
| 167 | Andesite | 167 | " " " " " | | |
| 171.2 | Coarse Andesite | | | | |
| | 171.2 End of Hole | | | | |

D. D. HOLE #5

Started Nov. 14, Finished Nov. 16, 1946.

Location of Collar E 11,500 N 3850

Dip at Collar = 46°

Bearing N 5° W

Dip at 208 = 47°

| Footage | Description | Footage | Detail Description | Samples | Oz. Au |
|---------|--|-----------|--|--|--------|
| 14 | Casing | | | | |
| 45.6 | Andesite | 28-28.6 | Slightly sheared - calcite, chlorite, epidote | | |
| 71 | Fine Andesite | 65.5-67.1 | " " " " , quartz | | |
| 90.5 | Andesite | 71.7-77.8 | 3' Core ground | | |
| | | 96.9-97.1 | Blue quartz veinlet-pyrite | | |
| 136 | Andesite with irregular shaped replacements of quartz and calcite throughout | 97.4-98.8 | Slight shearing-blue quartz-some chlorite and pyrite | 97.4-98.8 #4 | Nil |
| 143 | Sheared grey Andesite-slightly sericitic, some carbonate | | | 136-138.4 #44 | Trace |
| 169 | Andesite | | | Slightly sheared andesite, disseminated pyrite and pyrrhotite - trace chalcopyrite | |
| 189 | Diorite (?) May be coarse part of flow | | | 142-143.3 #45 | Trace |
| 192 | Andesite-some silicification | | | Slightly sheared grey andesite with some silicification - diss. pyrite - some streaks of pyrite and pyrrhotite | |
| 199.6 | Bleached Andesite silicification and carbonates | 207-207.4 | Very small amount diss. pyrite Silicification and some epidote few grains pyrite | 146.6-147.5 #46 | Trace |
| 208 | Andesite | | | Quartz calcite stringer, some pyrite | |
| | 208 End of Hole | | | | |

D. D. HOLE #6

Started Dec. 8, Ended Dec. 15, 1946.

Location of Collar E 9,600 N34E0

Dip at Collar = 45°

Bearing 1 20° W

Dip at 310' = 43°

| Footage | Description | Footage | Detail Description | Samples | Gr Au |
|---------|---|-------------|--|---------------|-------|
| 40' | Casing | | | | |
| 85 | Slightly bleached altered Andesite | 40-89 | Mineralization-carbonate somewhat leached-Some fracturing with qtz stringers | 84.8-85.5 #12 | Trace |
| 89 | Quartz carbonate shear | | | 86-86.9 #13 | Trace |
| 92 | Bleached altered Andesite 10% carbonate | | | 88-83.7 #14 | 0.02 |
| 112 | Coarse Andesite | | | | |
| 120.5 | Diorite - probably flow rock | | | | |
| 127.3 | Andesite) Some fracturing | | | | |
| 143 | Fine Andesite) qtz calcite cementing | | | | |
| 147.5 | Andesite | | | | |
| 171 | Diorite - probably lava | 175.8-177 | White qtz - calcite vein cutting core at low angle - pyrite, pyrrhotite, chalcopyrite in fractures in qtz. | 175.8-177 #15 | 0.03 |
| 180.8 | Fine Andesite | | | | |
| 189 | Andesite | | | | |
| 195 | Coarse Andesite | | | | |
| 222 | Andesite | 220.2-220.7 | qtz calcite replacement | | |
| 229 | Diorite - probably lava | | | | |
| 243 | Fine Andesite | 171-243 | Some fracturing | | |
| 252.8 | Andesite | 257.4-257.8 | Qtz calcite epidote -slight shearing | | |
| 275 | Fine Andesite | | | | |
| 285 | Andesite | | | | |
| 291 | Light green Andesite | | | | |
| 307 | Andesite | 309.3-310 | Slight shearing - qtz, carbonate, chlorite | | |
| 313 | Fine Andesite | | | | |
| | 313' End of Hole | | | | |

D.D. HOLE #7

Started Dec. 19, Ended Dec. 23, 1946

Location of Collar E 8,820 N 3790 Dip at Collar = 44°

Bearing N 47° E Dip at 305' = 44°

| Footage | Description | Footage | Detail Description | Samples | Gr An |
|---------|--|------------------|--|--|-------|
| 17 | Casing | | | | |
| 70 | Andesite | 42-43 45-45.5 | Well fractured-carbonate & Silica fillings Fine pyrite in qtz and carbonate | | |
| 93.8 | Diorite - no definite contact possibly lava | | | | |
| 98 | Altered Carbonate Andesite | | Mineralization-fine disseminated pyrite | 93.0-96 #16 | 0.06 |
| 108.5 | Fine Andesite | | | | |
| 133.7 | Bleached Andesite (20% carbonate) | 98-144 | Fracturing - Quartz calcite fillings | | |
| 136 | Andesite | 144-170 | Minor fracturing | 169.5-170.5 #48 | Trace |
| 161.5 | Coarse Andesite | | | Quartz and calcite- pyrrhotite and trace of chalcopyrite in fractures | |
| 214 | Fine Andesite | 214 | $\frac{1}{4}$ " quartz stringer - streaks of pyrite in qtz | | |
| 223.8 | Tuff-slightly banded-slightly mineralized with pyrite-a few eyes scattered throughout | 223.6 quartz | $\frac{1}{2}$ " massive pyrrhotite | 205.8-207#49 | Trace |
| 235 | Andesite-minor fracturing qtz calcite stringers-some shearing with chlorite- files of pyrite in fractures | | | Slightly sheared andesite finely disseminated pyrite quartz calcite streaks with heavy pyrite in fine grains | |
| 237 | Cherty like rock-finely banded | | | | |
| 267 | Andesite-highly fractured - considerable | | silicification-some carbonate | 258-258.2 #17 | |
| 271 | Andesite - fine grading to coarse | | | Qtz, coarse pyrrhotite in fractures, trace chalcopyrite | 0.05 |

D.D. HOLE #7 (Cont'd)

| Footage | Description | Footage | Detail Description | Samples | Or All |
|---------|--------------------------------------|-----------------------------------|--|-----------------|--------|
| 287 | Medium to coarse grained Andesite | 325.5-329.7 327.6-328.2 287 | Andesite grading in and out of dense lava Slight shearing - quartz - carbonate Sharp contact | 327.6-328.2 #18 | Trace |
| 350 | Lava | | Dark grey, dense, filled with irregular shaped blebs which consist of an outer band of a light mineral with centres like the ground mass of the rock (Sample for thin section) | | |

350' End of Hole

D.D. HOLE #8

Started Feb. 1, Ended Feb. 5, 1947.

Location of Collar E 12,400 N 4620

Dip at Collar = 45°

Bearing S 5° E

Dip at 303° = 44°

| Footage | Description | Footage | Detail Description | Samples | Oz Au |
|---------|--|---|---|---|--|
| 5 | Casing | 10-35 39.5-61 74-85 144.5-151 168-180 | Coarse grained Andesite Slightly fractured Slightly silicified Slightly silicified Coarser grained andesite | 39'-44'-451 Light green andesite- slightly fractured - slightly bluish quartz and calcite replacements - Diss. pyrrhotite and pyrite-few grains chalcopyrite-chlorite slips 44-49 #52 Similar to 51 55-60-#53 Some thin plates of pyrite Some pyrrhotite and trace chalcopyrite in fractures in bluish qtz calcite replace- ments 113-116-#54 Some fracturing and silicifica- tion. Some pyrrhotite and trace chalcopy- rite-thin plates pyrite. Some epidote & bluish quartz 123-125 #55-Fractured-replacements of slightly bluish quartz and calcite-chlorite slips-epidote-trace chalcopyrite 186-188.7 #56 Fractured-qtz calcite replacements. 1 narrow band pyrite and pyrrhotite-trace chalcopyrite 191-194.9 #57 - Same as #56-some epidote 205.4-207 #58 - white & some bluish quartz and calcite replacement section - epidote trace sulphides 215.5-220.5 #59 - well fractured - some streaks pyrrhotite, plates of pyrite- trace chalcopyrite 268-268.9 #60 Slight shearing and silicification. Diss. pyrite and pyrrhotite - 2 nd heavily mineralized pyrrhotite 268.9-273.9 #61 - Fine disseminated sulphides mostly pyrrhotite 287-292 #62 - fairly coarse tuff - diss. sulphides. Some streaks pyrrhotite | 0.05 \$1.75 Nil Trace 0.05 \$1.75 Nil 0.06 \$2.10 0.02 \$0.70 0.02 \$0.70 Trace Trace Trace 0.04 \$1.40 |
| 268.9 | Light green Andesite | 266.1-268.9 | Highly silicified | | |
| | | 279.2-282 | Slightly sheared | | |
| 292 | Tuff-poorly bedded Some quartz eyes | 294-296.5 | Some shearing and silicification | | |

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D. HOLE #8 (Cont'd) #8 (continued)

| Footage | Description | Footage | Detail Description | Samples | Oz Au |
|---------|------------------|---------|--------------------|--|-------------|
| 313 | Andesite | 307-313 | Massive Andesite | 292-294.8 #63 Slightly sheared - two sections with heavy pyrrhotite and pyrite mineralization | 0.05 \$2.80 |
| | 313' End of Hole | | | 297-299.8' #4 Some fracturing - two replacement sections of white quartz and calcite - some pyrrhotite and pyrite in qtz | 0.04 \$1.40 |

D.D. HOLE #10

Started Jan. 6, Ended Jan. 8, 1947.

Location of Collar E 14,600 N 3600 Dip at Collar = 45°

Bearing S 5° E

Dip at 257' = 43°

| FOOTAGE | DESCRIPTION | FOOTAGE | DETAIL DESCRIPTION | SAMPLES | OZ AU |
|---------|--|-------------|--|--|-------|
| 8 | Casing | 97-100.2 | Shearing-white & some blue quartz carbonate-epidote, pyrite, pyrrhotite chalcopyrite | 97-99.7 #19 | Trace |
| 107 | Fine Andesite | 104.9-106.7 | Shearing-quartz-carbonate-pyrite, pyrrhotite chalcopyrite | 104.9-106.7 #20 | Trace |
| 147.5 | Coarser Andesite -contact normal to core | 106.7-108.2 | Mineralization | 106.7-108.2 #21 | Nil |
| 158.5 | Andesite-possibly intrusive | 193-195.6 | Shearing-silicification-pyrrhotite and chalcopyrite | 193-195.6 #22 | Nil |
| 195.6 | Andesite-becoming coarser grained | 158.5-195.6 | Well fractured and silicified | 195.6-197 #23 | Nil |
| 200.5 | Qtz-feldspar porphyry | | | Slightly silici- fied (197-200.5 #47 | |
| 206 | Coarse Andesite | | | Some dissem. pyrrhotite and chalcopyrite | Trace |
| 228.2 | Qtz-feldspar porphyry | | | | |
| 234 | Fine Andesite | | | | |
| 262.7 | Qtz-Feldspar Porphyry | | | | |
| | 262.7 End of Hole | | | | |

King Bay - Sturgeon L. Area
(L.L.)

D.D. HOLE #11

Started Jan. 14, Ended Jan. 16, 1947

Location of Collar E 13,600 N 4580 Dip at Collar = 46°

Bearing N 10° W

Dip at 247° = 45°

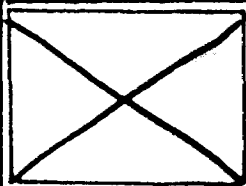



| Footage | Description | Footage | Detail Description | Samples | Or Au |
|---------|----------------------|-----------|--|--|-------|
| 7 | Casing | 7-29 | Very fine grained-fractured- cemented with quartz and calcite. Slight mineralization | 23.5-26 #24 Highly fractured slightly carbonated-quartz and calcite stringers and some-chlorite slips-few grains pyrrhotite | Nil |
| | | 102.6-105 | Slight shear-some silicification and sericite | 112-116 #25-Silicified andesite-about 5% pyrrhotite-1" stringer pyrrhotite with a few grains chalcopyrite | Nil |
| 117.7 | Dark grey Andesite | 134-181.4 | Fractured-some silicification. | 117.7-122.1 #26-Silicified-quartz slightly bluish disseminated pyrrhotite mineralization. 1" stringer 40% pyrrhotite with some chalcopyrite | Nil |
| | | | | 122.1-127.1 #27- pale green Andesite-some fracturing-quartz blebs and stringers trace pyrrhotite | Nil |
| | | | | 132.1-134 #28 Andesite-one foot highly silicified-some chlorite slips-some pyrrhotite | Nil |
| | | | | 199.1-200.1 #29-replacement section slightly bluish quartz and carbonate Odd grain pyrite-no true shearing | Nil |
| | | | | 233.6-237.4 #30 Well fractured, fairly well bleached andesite-considerable bluish quartz-replacement with fine pyrite. Some epidote and calcite | Nil |
| | | | | 237.4-242 #31 Same as section for Sample #30-slightly bleached | Trace |
| | | 244-252 | Andesite very slightly fractured and more massive | 242-244 #32 Greenish andesite, some bleaching with two short sections of very fine grained bluish quartz containing fine grained disseminated pyrite | Trace |
| | Light green andesite | | | | |

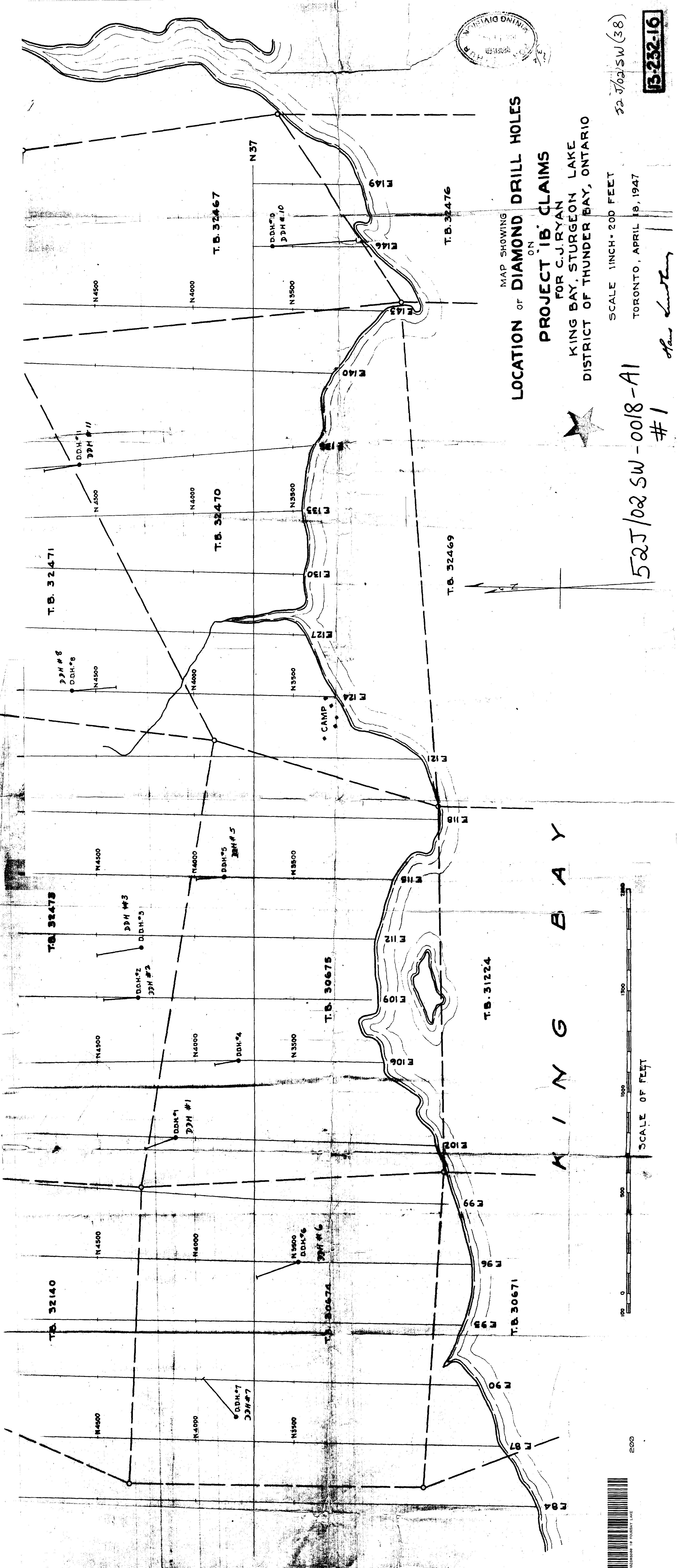
SEE ACCOMPANYING
MAP(S) IDENTIFIED AS

52J/02 SW-0018-A1#1

LOCATED IN THE MAP
CHANNEL IN THE
FOLLOWING SEQUENCE

(X)

| | | |
|--|--|---|
|  |  |  |
|  | | |



MAP SHOWING
LOCATION OF DIAMOND DRILL HOLES
 ON
PROJECT 'IB' CLAIMS
 FOR C.J. RYAN
 KING BAY, STURGEON LAKE
 DISTRICT OF THUNDER BAY, ONTARIO

SCALE 1 INCH = 200 FEET
 TORONTO, APRIL 19, 1947

52J/02 SW - 0018 - A1

#1

Alan Luntz



52J/02 SW - 0018 - A1

SCALE OF FEET



K I N G B A Y