

Diamond Drilling



41P02NE0015 0010B1 TURNER

010

Township of TURNER

Report NO 13

Work performed by: Can. Johns-Manville

Claim NO	Hole NO	Footage	Date	Note
S 139909	T-67-2	1601.0'	Mar/67	

TOTAL: 1 DH 1601 FT

Notes: See Turner Report No.12 for location map autopositive.
Some autopositives enclosed.

DRILL LOG

LOCATION: Line 17400N; at 15400W of B/L #1
 DATE STARTED: March 15th, 1967 PROPERTY: Bull Lake Group - Turner Township
 DATE COMPLETED: June 30th, 1967 HOLE NO: T - 67 - 2
 TOTAL DEPTH: 1601' SHEET NO: 1

ELEVATION OF COLLAR: Surface
 ELEVATION OF BOTTOM:
 BEARING: S60°W
 DIP: 80°

GEOLOGICAL DESCRIPTION	FOOTAGE	REC.	TH. V.	FIBRE VEINS												% St. F.	% Mass. F.	% Total F.	Vein Ang.	% MAG.	% PYR.	Rock S.	REMARKS (VEIN TYPE)
				1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096								
0 - 20' casing																							
15' - 52' coarse grained massive - norite. (impure)																							
52' - 105' fine grey impure quartzite (orthoclase feldspar crystals from 1 mm to 10 mm, minor disseminated pyrite throughout; minor chalcopyrite in apolitic zone from 70 - 76').																							
105' - 120' massive medium grained norite.																							
102' - 105' angular fragments of norite with quartzite.																							
120' - 124'6" fine grained massive volcanic with fragments of norite.																							
124'6" - 221' brecciated zone from 15' - 157' with norite fragments. Coarse grained norite - massive.																							
221' - 235' fine grained volcanics with pink quartzite fractures; widely spaced chalcopyrite and chalcopyrite with pyrrhotite.																							
235' - 240' norite.																							
240' - 244' fine volcanic quartz fractures with fine chalcopyrite & pyrrhotite.																							
244' - 317' dipping diabase - massive.																							
317' - 324' chilled contact zone with fragments of diabase.																							
324' - 366' sheared blocky greywacke with minor pyrite and chalcopyrite along slips.																							
339' - 342' diabase.																							
350' - 366' contorted folded greywackes - drag folds.																							
366' - 379' diabase (contact dip at 35°)																							
379' - 500' greywacke with disseminated pyrite along slips. Fine chalcopyrite at 390' - 391'.																							
391' - 392' fine pebble zone with pyrite beds at a dip of 30°.																							
400' - 425' greywacke beds at 30° to core - minor pyrite on slips.																							
437' - 512' very blocky - 50% core recovery. Beds at 25° to core axis. At 510' beds at 20° to core.																							
500' - 550' greywacke - light grey-green, finely bedded, cut by calcite veins at moderate angles to core; very blocky. Lost core at 500' - 501'; 503' - 503'5"; 507'5" - 508'; 511' - 512'; 515' - 516'5"; 522' - 523'5"; 527' - 528'; 531' - 532'; 533' - 534'5"; 536' - 536'5"; 539' - 541'; 541'5" - 542'5"; 543' - 545'.																							
550' - 600' greywacke - continues the same as above run except for addition of small granite pebbles and smoky quartz pebbles. 1/16" jasper pebbles scattered throughout. Large granite pebble at 580' - 580'2". Impure quartzite from 577'5" - 601', medium green, sugary texture. 1/8" greywacke beds interbedded with quartzite.																							

DRILL LOG

LOCATION: _____
 DATE STARTED: _____ PROPERTY: Bull Lake Group - Turner Township
 DATE COMPLETED: _____ HOLE NO: T - 67 - 2
 TOTAL DEPTH: _____ SHEET NO: 2

ELEVATION OF COLLAR: _____
 ELEVATION OF BOTTOM: _____
 BEARING: _____
 DIP: _____

GEOLOGICAL DESCRIPTION	FOOTAGE	REC.	TH. V.	FIBRE VEINS												% SL. F.	% MASS. F.	% TOTAL F.	Vein Ang	% MAG	% PYR	Rock S	REMARKS (VEIN TYPE)
				☆	✱	‡	✂	‡	✂	‡	✂	‡	✂	‡	✂								
550' - 600' (cont'd)																							
Minor pyrrhotite on slips, finely disseminated pyrite throughout.																							
600' - 650' greywacke - continues as above but more massive. Green col. med 3/16" quartzite beds containing disseminated pyrrhotite cut core at low angles. Medium green quartzite beds continue, containing sand-sized grit beds with angular quartz pebbles. Both greywacke and grit beds highly contorted. Quartz pebbles continue to be scattered throughout core with seemingly no preferential orientation. Greywacke appears to be harder than normal, possibly thermal alteration from nearby intrusives.																							
650' - 700' greywacke - massive - soft - actually moderate sized particles - probably more correctly called mudstone than greywacke. Contains interbedded grits with small angular quartz pebbles, and cream coloured 1/8" quartzite beds. Very thin pyrrhotite encrustations on slips and along some bedding planes. No granite pebbles in this section.																							
700' - 800' greywacke - soft - colour varies from dark grey of mudstone (?) to medium green, widely scattered granite and quartz pebbles. Green coloured quartzite beds continue varying from 1/8" to 3/16" in thickness. Scattered calcite on bedding and slip planes. Minor pyrite and pyrrhotite on slips and bedding planes continues very blocky.																							
800' - 850' greywacke - alternating mudstone (?) and silt sized greywacke beds. Mudstone being dark grey; greywacke medium green. White calcite veins up to 1/8" in thickness from 30 - 50' to core. Minor pyrite, no granite pebbles. Recovery very good.																							
850' - 900' greywacke - continues alternated in particle size with accompanying colour variation. Minor pyrite, calcite on slips, small veins of quartzite at moderate angles. Large (2") granite pebble at 878'5". 3/8" quartz calcite vein at 894'7".																							
900' - 950' greywacke - same as previous section.																							
950' - 1000' greywacke - grain size larger, slightly coarser texture, frequent quartzite veins at 1/16" and 1/8" at moderate angles. Quartz-calcite veins more common, calcite is pink. Bedding greatly disturbed and contorted. Scattered small granite pebbles. Very badly sheared from 976' - 982'.																							
1000' - 1050' - greywacke - same as preceding section. Bedding very contorted, numerous angular granite pebbles, small quartzite veins, many pink and white calcite veins, also numerous quartz-calcite veins, minor pyrite.																							
1050' - 1075' greywacke - contains abundant granite pebbles and angular quartz pebbles. Approximately 15% pebbles. Bedding is fine																							

DRILL LOG

LOCATION: PROPERTY: Bull Lake Group - Turner Township
 DATE STARTED: HOLE NO: T - 67 - 2
 DATE COMPLETED: SHEET NO: 3
 TOTAL DEPTH:

ELEVATION OF COLLAR:
 ELEVATION OF BOTTOM:
 BEARING:
 DIP:

GEOLOGICAL DESCRIPTION	FOOTAGE	REC.	TH. V.	FIBRE VEINS												% St. F.	% Mass F.	% Total F.	Vein Ang	% MAG	% PYR	Rock S	REMARKS (VEIN TYPE)
				1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096								
1050' - 1075' (cont'd) and rather indistinct. Very hard (5+) from 1050' - 1060'. Suspect high percentage of SiO ₂ and/or thermal alteration but is definitely greywacke. Very thin calcite on slips. Lost core 1073' - 1075'. From 1060' - 1079' grey fine grained hornstone, very hard, brittle, massive, with scattered cubic pyrite 1 - 2 mm. in size.																							
1079' - 1176' light pale green impure quartzite with interbedded greywacke. Quartz fractures are threaded with fine pyrite. Beds in greywacke show minor displacements of 1/8" vertical through beds. 4" grit bed at 1131'. Pebble zone at 1123' over 2". Fault zone at 1142' dips at 70° down core. 1/2" gauge along fault. Bedding dips at 30° across core in interbedded varved greywacke.																							
From 1160' - 1176' greywacke beds are distorted and appear as "S" shaped drags.																							
1176' - 1201' massive greywacke, blocky, few cubic pyrite. 1201' - 1208' interbedded varved greywacke and grit beds. Narrow beds dip at 35° across core.																							
1208' - 1219' impure banded quartzite with fine scattered pyrite and few quartz pebbles.																							
1219' light gray finely banded greywacke.																							
1220' - a little pyrrhotite. Bedding planes 70° to core axis																							
1222' - pyrite on slips with quartz. Core is just scratched by knife.																							
1228' - 1229' small quartz veins present																							
1235' - a little pyrite in greywacke.																							
1235'5" - 1/8" pink quartz vein at 45° to core axis.																							
1236' - 1237' core broken; 1237' - 1238' core missing.																							
1238' - 1239' small fault 10° to core axis.																							
1238'5" - 1239' core broken from pyrite.																							
1239'5" - 3/4" light yellowish green band (epidote) 20° to core axis.																							
1240' - 1241' small quartz lined slip fault.																							
1241' - 1241'5" epidote, feldspar, quartz breccia; 1/4" pieces.																							
1241' - slip 30° to core axis.																							
1242' - 1/8" pink quartz vein 30° to core axis.																							
1243'5" - 1" yellow-green band epidote 80° to core axis.																							
1243' - 1244' epidote feldspar quartz breccia; 1/4" pieces.																							
1246' - 1/8" milky quartz vein 15° to core axis.																							
1247' quartz lined slip 30° to core axis.																							
1250' - 1/8" epidote band 80° to core axis. Banding absent. Small speck chalcopyrite in a thin quartz vein.																							
1252' - pyrrhotite on slip 30° to core axis.																							
1261' - chalcopyrite specks.																							
1262' - 2 x 1/4" epidote and quartz veins at 40° to core axis. A little chalcopyrite in quartz.																							
1264' - 1265' core broken. Many veinlets of quartz. Some pyrite lined. Banding 85° to core axis, also banding 45° to core axis, at 1267'. Change due to small fold.																							

DRILL LOG

LOCATION:
 DATE STARTED:
 DATE COMPLETED:
 TOTAL DEPTH:

PROPERTY: Turner Township
 HOLE NO: Continuation of Hole T - 67 - 2
 SHEET NO: 5

ELEVATION OF COLLAR:
 ELEVATION OF BOTTOM:
 BEARING:
 DIP:

GEOLOGICAL DESCRIPTION	FOOTAGE	REC.	TH. V.	FIBRE VEINS											% SL. F.	% MASS. F.	% TOTAL F.	Vein Ang	% MAG	% PYR	Rock 5	REMARKS (VEIN TYPE)
				1/32"	1/16"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"								
1477'5" - light gray graywacke with granite fragments up to 1" diameter, but usually 1/4".																						
Few fragments only 1479' - 1496'. Many hair thick quartz veinlets.																						
1497' - breccia 1/4" fragments and pyrrhotite.																						
1500'5" boulders 6" - granite and small quartz plus pyrrhotite.																						
1510' - 1516' - 1/4" fragments - breccia of quartz and diabase.																						
1516' - 1519' - 2" granite fragments.																						
1518'5" - 1/4" epidote band 30° to core axis.																						
1519' - 1521' - 1/4" quartz fragments.																						
1521' - 1523' - few granite fragments only.																						
1523' - 1525' - 8" granite boulder plus 2" ones.																						
1525' - 1528' - 1/4" grit bands and some larger granite fragments.																						
1528' - 1531' graywacke (as above).																						
1531' - 1537' - pink quartz plus epidote boulder (from basement)																						
1537' - 1542' graywacke																						
1542' - 1545' granite gneiss																						
1545' - 1551' graywacke plus quartz bands; some pyrrhotite.																						
1551' - 1553' diabase.																						
1553' - basement complex.																						
Banded granite gneiss; some epidote; bands 25° to core axis.																						
1601' - END OF HOLE.																						
Logged by: P. A. R. Brown.																						



November 13, 1968.

Resident Geologist,
1349 Lasalle Boulevard,
Sudbury, Ontario.



41P02NE0015 0010B1 TURNER

900

Dear Sir:

We enclose herewith, the diamond drill record and sketch pertaining to work performed on mining claims S.142054 et al situate in the Township of Turner in the name of Canadian Johns-Manville Co. Limited.

Yours very truly,

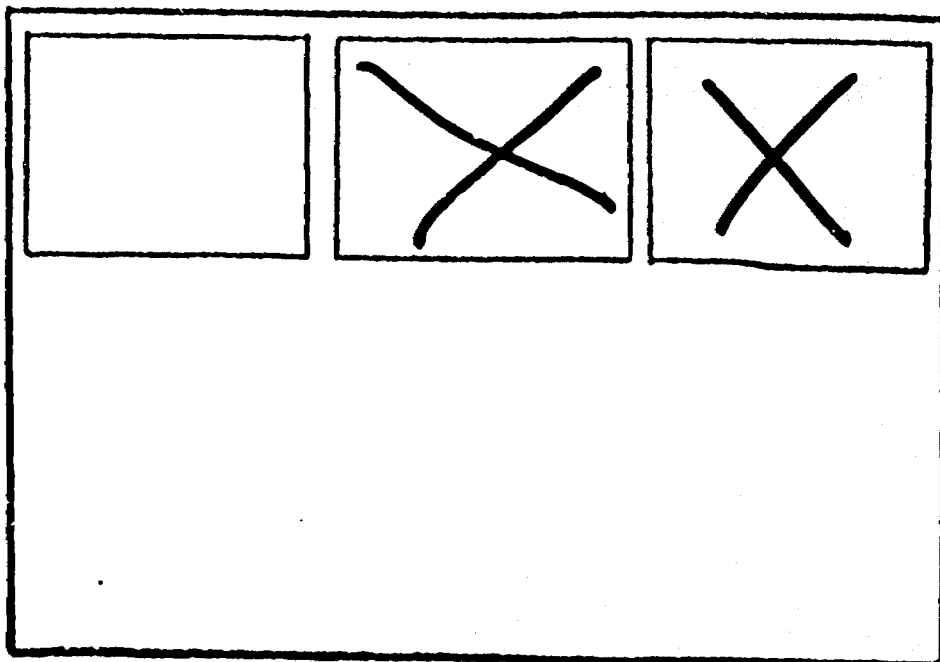
Mr. K. R. Clemiss,
Acting Mining Recorder.

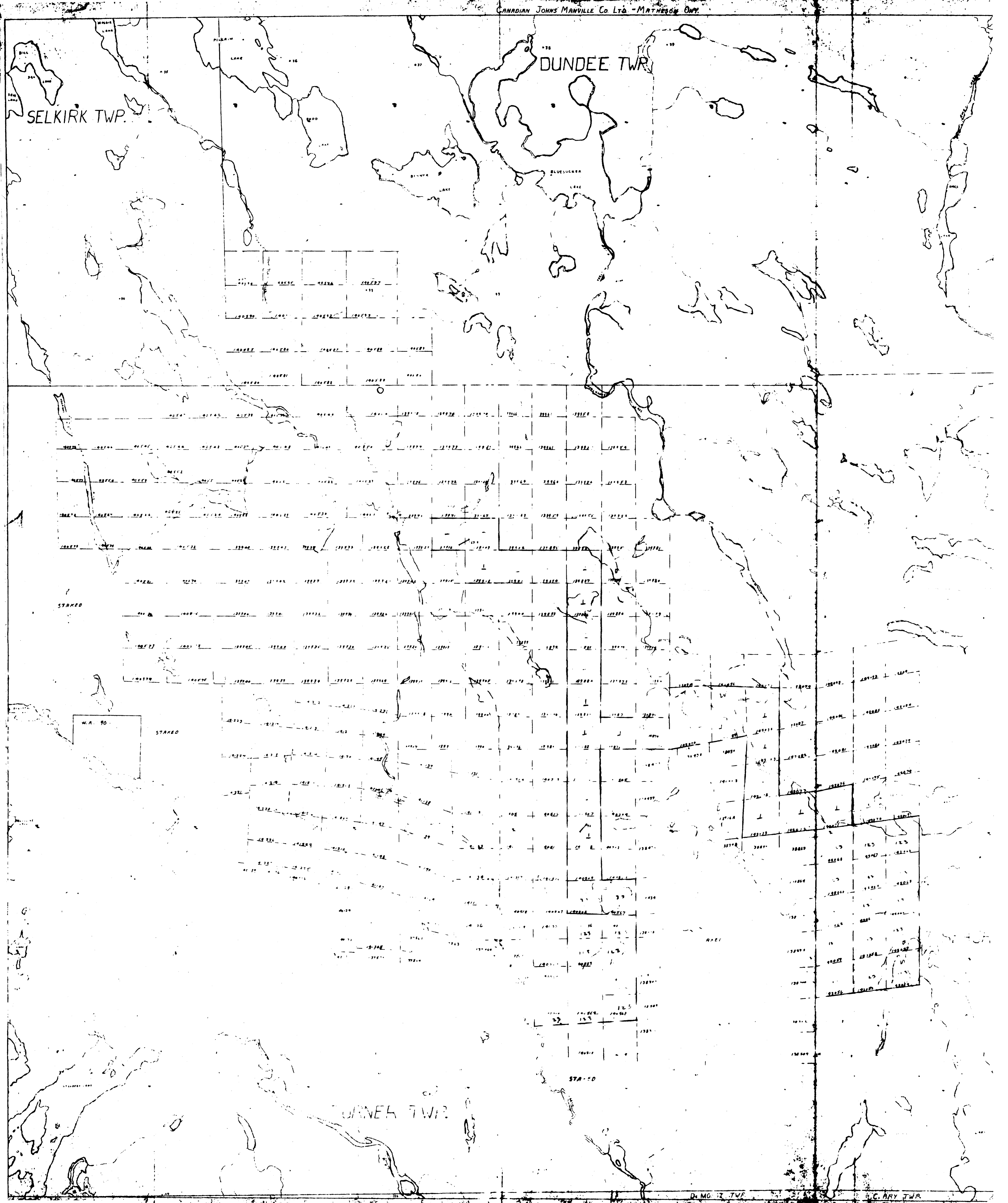
KRC/jh
Encls.

SEE ACCOMPANYING
MAP(S) IDENTIFIED AS

TURNER-0010-B1-~~35~~1
#2

LOCATED IN THE MAP
CHANNEL IN THE FOLLOWING
SEQUENCE (X)





SELKIRK TWP.

DUNDEE TWP.

TURNER TWP.

D. MC T. TWP.

C. ARY TWP.

