

4115SW0145 2.10454 HUTTON

010

MAPPING REPORT ON THE VERMILION RIVER
PROPERTY

CLAIMS
894727, 894728, 943428,
943429 and 943430

RECEIVED

OCT 15 1987

MINING LANDS SECTION

OREVCO INC.
SEPTEMBER 29, 1987

RECEIVED

NOV 19 1987

MINING LANDS SECTION

Richard P. Gagné, B.Sc. Hon. Geol.

SUDBURY
MINING DIV.
RECEIVED
OCT - 6 1987
A.M. P.M.
7|8|9|10|11|12|1|2|3|4|5|6

INTRODUCTION

The 30 claims forming the Vermilion River Property (Appendix A) were optioned from the original staker, Oliver Maki, in June of 1987. The claims were optioned in order to assess the placer gold potential, as this area has been known to contain gold bearing gravels, sands and clays.

WORK PERFORMED

This portion of the work program consisted of mapping and sampling for assay the western portion of the claim block. This mapping, performed on claims 894727, 894728, 943428, 943429 and 943430 is subsequent to and in addition to mapping done by Sandex Developments Ltd. in 1975, where all ground had not been covered.

Traverses for mapping were performed by pace and compass, with line spacing established at 100 metre spacing. Reference was made to air photos throughout the mapping process, and corrections were made where and when necessary in order to maintain consistent line spacing. Small shallow pits were hand dug at several locations along traverse lines in order to determine surficial Pleistocene deposit types. Notes were made of topographic relief changes, whether or not associated with bedrock outcrop.

RESULTS and DISCUSSION

The resultant map shows small Pleistocene channel sequences, which have been assayed for gold and silver, and some for platinum. Till deposits were noted over all of the ground mapped, except for the northwest corner of the map area, where bedrock of felsic composition was overlain by a thin veneer of sand.

The channel deposit sequences, exposed at the gravel pit and elsewhere by present day stream cuts, ranged in width from 2 to 10 metres. Channel depths could not be determined, but at the gravel pit 5 metres of channel sequence was exposed. All channel deposits are overlain by

a layer of till averaging 1 to 1.5 metres in thickness.

All channel deposits are cut through pre-existing glacial till of unknown thickness. Two main depositional sequences exist, where glacial outwash (relatively violent water flows) is interbedded with finer deposits within the same channel courses. The finer grained sequences display typical stable channel depositional structures, such as cross lamination, cross bedding and reverse grading. Fine to medium grained sand sequences, composed mostly of well to moderately spherical and moderately to poorly rounded quartz, feldspar and volcanic clasts, are interbedded with thin but laterally continuous silt and clay layers. These are indicative of slight variations in channel energies and/or sediment provenance. Channel fining-upwards on a large scale was not observed, indicating either erosion of the upper channel sequences by subsequent channeling or till emplacement, or an abrupt termination of water flow within the observed channel courses.

The mapped channel sequences formed just prior to a final glacial advance that deposited the thin till cover over much of the map area. A paleo-soil at the base of this till, in places, is evidence of a fair hiatus. It is suspected, therefore, that more channel sequences could exist at shallow burial depths. Certain topographical features, in relation to bedrock outcrop positions, indicate possible targets for an exploratory overburden drilling program to begin early this fall.

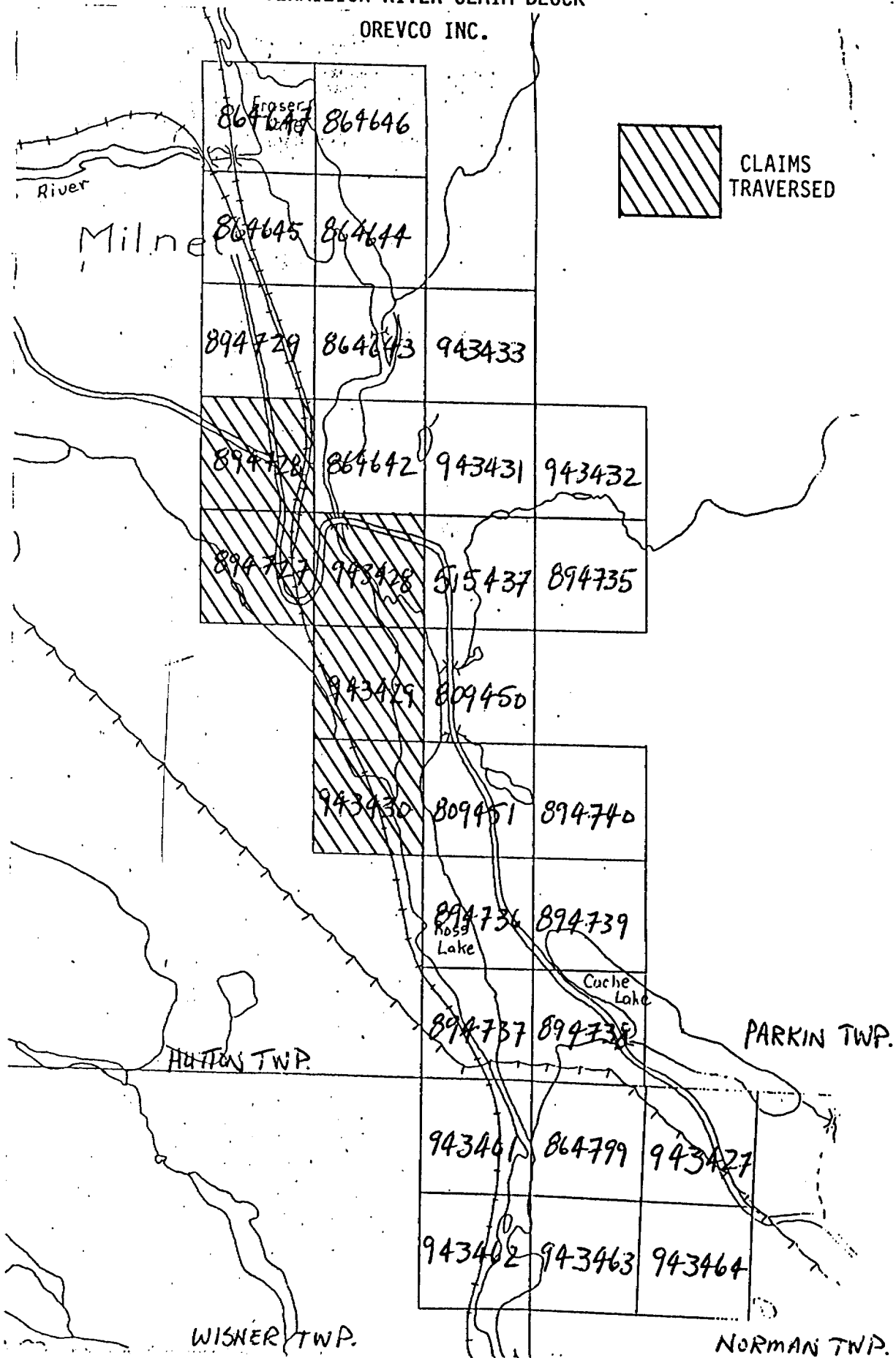
APPENDIX A
(see attached map)

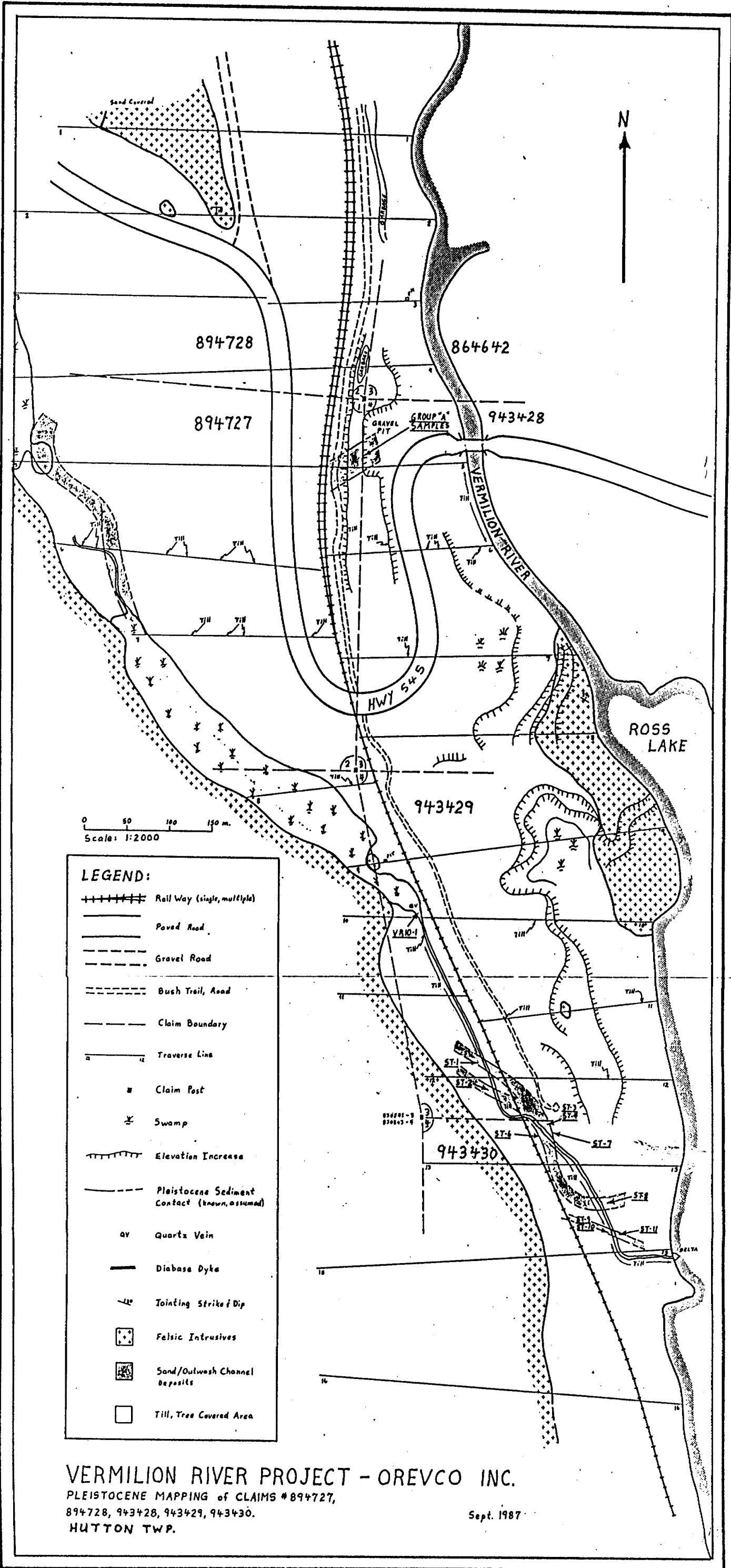
The Vermilion River property is comprised of the following 30 claims in Hutton, Parkin, Norman and Wisner Townships, Sudbury District, Ontario:

TOWNSHIP	CLAIM #
Hutton	864642
	864643
	864644
	864645
	864646
	864647
	894727
	894728
	894729
	943428
	943429
	943430
	515437
	809450
	809451
Parkin	894736
	894737
	943431
	894735
	894738
Norman	894739
	894740
	943432
	943427
Wisner	864799
	943463
	943464
Hutton	943461
	943462
Hutton	943433

VERMILION RIVER CLAIM BLOCK

OREVCO INC.





LEGEND:

+++++	Rail Way (single, multiple)
—	Paved Road
- - -	Gravel Road
- - - -	Bush Trail, Road
- - - - -	Claim Boundary
— —	Traverse Line
■	Claim Post
⊗	Swamp
~~~~~	Elevation Increase
- - - - -	Pleistocene Sediment Contact (known, assumed)
av	Quartz Vein
—	Diabase Dyke
∠	Jointing Strike & Dip
□ (dotted)	Felsic Intrusives
□ (cross-hatched)	Sand/Outwash Channel Deposits
□ (stippled)	Till, Tree Covered Area

**VERMILION RIVER PROJECT - OREVCO INC.**  
 PLEISTOCENE MAPPING OF CLAIMS #894727,  
 894728, 943428, 943429, 943430.  
 HUTTON TWP.

Sept. 1987







OREVCO INC.  
P.O. BOX 2116  
164 SHERBROOKE STREET  
PETERBOROUGH, ONT. K9J 7Y4  
705-748-3024

September 29, 1987

TRAVERSING and sample collection

Richard P. Gagne	August 19 & 20	21 hrs.
	August 25 & 26	<u>11 hrs.</u>
		32 hrs.
Jon Palmer	August 19 & 20	21 hrs.
	August 25 & 26	<u>11 hrs.</u>
		32 hrs.

DRAFTING

Richard P. Gagne	September 1 to 3	<u>28 hrs.</u>
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TOTAL		<u><u>92 hrs.</u></u>
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92 hrs. = 11.5 technical days.  
8 hrs./day

TRIM LINE

CREELMAN TWP. M.737

THE TOWNSHIP OF

HUTTON

DISTRICT OF SUDBURY

SUDBURY MINING DIVISION

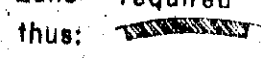
SCALE: 1-INCH=40 CHAINS

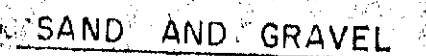
LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED

● OF C.S.  
 S.S.C.S.  
 M.R.O.  
 S.R.O.

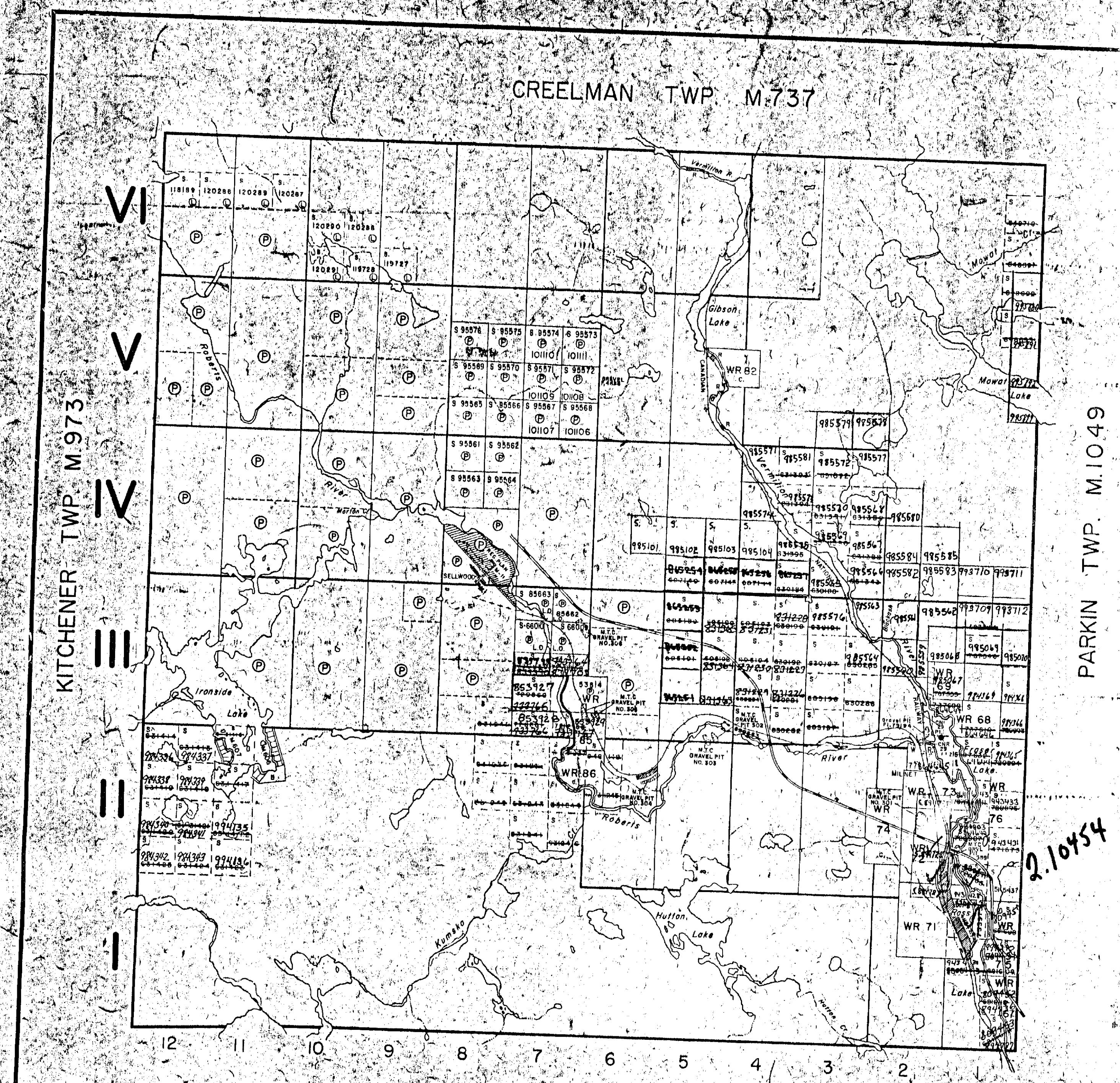
NOTES

- 400' Surface Rights Reservation along the shores of all lakes and rivers.
- Lots 1 to 6, concessions 1 to 6 may be staked in the same manner as mining claims in unsurveyed territory. May 16, 1946 - File 83.5 - Mining Act Sec 53 (52 A 1946).
- Land required for railway purposes (shown thus: ) Files 4826 & 4841.
- Parts of Con. 1, 2, 4, 5 & 6: Subdivision Annulled.

 SAND AND GRAVEL  
 (C) QUARRY PERMIT

PLAN NO. M-944

ONTARIO  
 MINISTRY OF NATURAL RESOURCES  
 SURVEYS AND MAPPING BRANCH



VI

V

IV

III

II

I

12 11 10 9 8 7 6 5 4 3 2

WISNER TWP. M.1185

PARKIN TWP. M.1049

2.10454

440.0

440.0

HUTTON TWP.

HUTTON TWP.

KITCHENER TWP. M.973

440.0

440.0

