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MINING LANDS SECTION

REPORT ON STRIPPING

GOLD ROCK PROJECT
BOYER LAKE AREA

AND

TURTLEPOND LAKE AREA
KENORA MINING DIVISION
ONTARIO

2.13029

Prepared by:

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POV 2WO

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Introduction

The original claims were staked in 1981 following the discovery of high grade visible gold in a quartz vein in a rock cut on K 535339 beside Highway 502. More claims have since been staked to cover other favourable ground.

A preliminary stripping programme was carried out in late 1989 to expose some of the mineralized zones known to occur on the claims. This report summarizes the results of this work.

The Property

The property consists of 60 claims located 20 miles south of Dryden, Ontario.

The claims are:

claim #	recording date	work filed	in good standing to
K 589052	Jan. 13/81	200 days	Aug. 10/90
K 603335 to K-603340	May 21/81	200 "	July 20/90
K 604309 to K 604313	May 21/81	200 "	July 20/90
K 855549 to K 855551	Jan. 23/86	140 "	Jan. 23/90
K 1038395 to K 1038403	Jan. 19/88	20 "	Jan. 19/90
K 1052999 to K 1053013	Oct. 4/88	0 "	June 29/90
K 1104528 to K 1104534	Nov. 27/89	0 "	Nov. 27/90
K 1104540 to K 1104543	Nov. 27/89	0 "	Nov. 27/90
K 1085885 to K 1085894	Dec. 11/89	0 " .	Dec. 11/90

The first claim is held under option from W. Sovereign by J. W. Redden.

The next 14 claims are owned equally by J. Redden, H. Lundmark and W. McAteer.

The remaining claims are owned outright by J. Redden.

Location and Access

The claims are located about 30km south of Dryden in northwest Ontario.

Highway 502, a paved, all weather road connecting Dryden and Fort Frances crosses the northern part of the property.

The original access road from Minnehaha Lake to Gold Rock lies on or near the western part of the claims. This road is now partly grown in but can be travelled on foot, by ATV or snowmobile.

The present access road to Gold Rock crosses the southeast part of the claims. This road is not grown in but is not maintained. Travel on this road is possible with 4WD vehicles in dry weather or by snowmachine in winter.

Previous Work

The area containing the claim block was first explored by prospectors during the 1890's. Work was carried out on a number of gold-bearing quartz veins in the area over the next few years. A few test pits and trenches are the only evidence of early work on the present claims. No documentation of this early work has been found.

Sporadic exploration has been carried out ever since, however the work is poorly documented. No evidence of extensive work was found in the field.

The only major exploration programme for which reasonable records exist was carried out by Asamera Inc. in 1983.

Asamera, under a joint venture agreement with Shield Development Company Limited carried out a major exploration programme over a block of 97 claims. Most of the present claim block was covered by this programme. Work on the claims included line cutting, ground magnetic and VLF surveys, rock and humus geochemical surveys, and a geological survey. One day of stripping and 12 drill holes on 3 different quartz veins was also done. A number of interesting targets were located, however no additional work was done and the project abandoned.

W. Sovereign prospected in the northern part of the block and discovered several areas of quartz veining.

General Geology.

The geology underlying the claim block is shown on O.G.S. Map 2476 to consist principally of mafic volcanics with minor felsic volcanics and a few felsic dykes. Mapping by Asamera resulted in very little revision of the geology.

Shearing and alteration is widespread throughout the claim block. Shear directions of northeast - southwest, north 70 degrees east - south 70 degrees west and east - west occur on the property.

The northeast - southwest shearing follows the regional foliation. Carbonatization and silicification are associated with the shearing. Pyritization is present in this shear direction at the extreme south end of the property. Gold is associated with this shear direction.

The east - west shearing and the north 70 degrees east - south 70 degrees west shearing may represent a single shear event. These shears are very poorly exposed on the property. More detailed work is required to evaluate their importance on the claims. To the north of the property, east - west shears are known to carry gold.

Economic Geology

All known gold occurrences in the area are associated with silicification. Carbonatization is widespread and is often present over large areas not known to contain much more than slightly anomalous gold values.

Pyritization is considered as a favourable indicator for gold. Often the pyrite is concentrated in the wall rock, with the quartz vein containing gold to be rather low in pyrite. Chalcopyrite in a quartz vein appears to be a favourable indicator of gold.

Stripping and Trenching Programme

Four areas were stripped and/or trenched. All four areas were known to contain quartz veins.

The results are summarized as follows:

Location 1

- south part of K 1053010
- 'LT' zone of Sovereign
- reported results to 0.09 oz./ton Au
- quartz veins to 1m thick containing tourmaline
- pyrite sparse in quartz but locally present in wallrock
- series of quartz veins exposed across width of 30' on the northeast end of a hill
- overall strike of veins 055
- overall dip about -45 to east, but numerous exceptions
- bounded on northwest by intensely sheared and carbonatized mafic tuffs, with only minor quartz stringers
- quartz veins themselves appear to be hosted by mafic flows but alteration makes identification tentative
- quartz veins on top of hill pinch to stringers within 30' to the southwest
- thick overburden to east, northeast and north prevent further exposure

Location 2

- north part of K 589052
- about 250m southwesterly from Location 1
- strong VLF conductor
- north part of trench exposed intensely sheared and carbonated mafic volcanics
- only minor quartz stringers
- outcropping 8" quartz vein exposed to show as only a knot' in the volcanics
- actual conductor believed to lie in a depression >8' deep filled with large boulders, not excavated
- conductor believed to be an intensely sheared zone
- rock adjacent to depression not mineralized

Location 3

- northwest part of K 1104532
- area mainly carbonated mafic volcanics
- minor thin felsic bands
- drag fold striking 070 degrees with plunge of 056 degrees to north
- quartz veins to 16" present
- overall strike of veins about north-south
- pyrite cubes to 5mm in northeast to east trending shears
- appears to be area of deformation
- frozen overburden and snow prevents more definitive statements concerning the structure

Location 4

- trench in central part of K 1104529
- at west end of trench mafic/felsic contact at 078/vert
- only 4cm of slightly sheared mafics at contact
- at east end of trench felsic/mafic contact at 124/ vert to steep to north
- strike measurements indicate the structure of the volcanic pile is likely more complex than previously thought
- strongly sheared mafics, and topography, 40 to 50' from west end of trench suggests two separate felsic units may be present
- felsic units are massive aphanitic tuffs (layering observed)
- colour ranges through very pale shades of green.
 brown and pink
- irregular white quartz stringers to 4" as brittle fracture fillings in the felsics, no sulphide, no rust
- mafics carbonated and variably sheared adjacent to felsic contact, rare quartz stringers
- local pyrite to 5% in sheared mafics adjacent to felsics
- shearing in mafics 045/vert (regional foliation)
- shearing does not penetrate felsics
- shearing in mafics adjacent to the massive felsics acted as a conduit for mineralizing solutions?
- felsics acted as a 'dam' to the mineralizing solutions?

Discussion of Results

Location 1

The assay results are much lower than previous sampling indicated. The reason for this is not known.

Structural observations several miles to the north of this location suggest the zone may change strike, from the exposed NE strike to a more northerly strike (pers. comm. P.-C. Delisle). Such a change in strike may perhaps, be related to a change in mineralization.

Location 2

Intense shearing but only insignificant quartz and pyrite were found at this site.

Location 3

The understanding of the structure appears to be the key to defining the economic significance of this area. The presence of significant gold associated with cubic pyrite, in preference to the quartz veins. is noteworthy.

Location 4

The strike of the felsic volcanics highlights the need for more structural information to define the stratigraphy of the area. The gold values in the trench are too low to be of interest.

Conclusions

- 1. Significant gold values are present in shears in mafic volcanics containing cubes of pyrite at Location 3.
- 2. Significant gold values were not found in quartz veins or shears which did not contain pyrite.
- 3. The presence of pyrite (or other sulphides) appears to be a prerequisite for significant gold mineralization in this area.
- 4. The structure of the volcanics underlying the claim block is more complex than previously indicated from geological mapping.
- 5. The claim block requires geological mapping by competent personnel.
- 6. Additional exploration is required to properly evaluate the claims.

Recommendations

- Fresh rock should be exposed by blasting at Location
 sampled and assayed to clarify the present discrepancy in gold values.
- Detailed examination of Location 3 is required to determine the economic significance of the gold values encountered.
- 3. A thorough systematic geological survey of the entire claim block is required to properly assess the potential of the claims. All areas of shearing, alteration, quartz veining, sulphides and structural information should be noted and examined in detail.
- 4. Additional work would be based on the above recommendations.

SAMPLE DESCRIPTIONS AND ASSAYS

Sample No.	Description	ppb Au
173501	LT zone, main qv on top of hill, py cubes to 5mm.	42
173502	LT zone, strong shear zone, qs to 5mm, no sulphides, much carb.	12
173503	LT zone, 4" qv near edge of hill, near old small pit.	<5
173504	LT zone, Loc. 1, 2 qv in 2' width, 75% qtz.	11
173505	LT zone, Loc. 2, 12"qv w py in altered wallrock.	10
173506	LT zone, Loc. 3, 3-4" qv with carb. no py, sample w-2'	12
173507	LT zone, Loc. 4, 8" qv w tr py, sample width 16"	6
173508	LT zone, Loc. 5, sheared carb wallrowninor qs, sample w=6'	ck 7
173509	LT zone, Loc. 6, sheared carb wallrow 50% qtz, rusty, no sulphide	ck 9
173510	LT zone, Loc. 7, large qv, sampled w=2'	<5/<5
173511	Zone 2, Loc. 8, intensely sheared and carb mafic volc, trace py, one flat qs.	d 15
173512	Zone 2, Loc. 9. intensely sheared mafic volc, composite grab w=1m.	<5
173513	Zone 2, Loc. 10, carb and silicified zone on edge of dropoff, dropoff on edge of VLF conductor?	<5
173514	Zone 3, Loc. 1, 12-18" qv w carb, str 020, dip -80E?	11
173515	Zone 3, Loc. 2, 1% py in carb wallro next to above	ck 25
173516	Zone 3, Loc. 3, carb wallrock <1% py, felsic/int. tuff.	<5
173517	Zone 3. Loc. 4. 12" qv. str 074. dip vert. py in wallrock	152

173518	Zone 3, Loc. 5, mafic volc wallrock (chlorite schist) w 5-20% py, width = 6-12".	9106
173519	Zone 3. Loc. 6. 30% qs in carbonated felsic/int tuff, tr py, sample width = 5'.	88/76
173520	Zone 3, Loc. 7, select sample, 5% py and cp, tr po?, in sheared wallrock and qs.	45
173521	Zone 3. Loc. 8, 7-10% qs to 2" in altered mafic volc, str N-S, w=4'(qs only)	76
173522	Zone 3, Loc. 9, 5-10% py in mafic schist, str 090, dip -80N. w=12".	1393
173523	Zone 3. Loc. 10, qv w py in wallrock, sheared felsic? drag fold structure. sample w-4".	22
173524	Zone 3, Loc. 11, 16" qv, str 172, exposed for length of 6'.	7
173525	Zone 4, Loc. 1, 5% qs in massive felsic tuff, qtz in brittle fractures width = 10'.	₃. 5
173526	Zone 4, Loc. 2, sheared rubbly area of mafic volc 10-12' wide, str 045, dip vert to steep W, minor local py.	< 5
173527	LT zone, heavily rusted rock	7
173528	Zone 4, felsic tuff w tr py, po.	7/7
173529	Zone 4, mafic w po, py.	24/24
173530	Zone 4. Loc. 3, sl sheared and carb felsic/mafic contact, tr py. w=3'	6
173531	Zone 4. Loc. 4, qs in felsic, tr py in wallrock, sl shearing str 124, contact also 124?	n <5
173532	Zone 4, Loc. 5, sheared mafic and adjacent fractured felsic, minor qv and qs, local py across 3-4" in mafic	o. 9
173533	Zone 4, Loc. 6, intensely sheared maffi	ic. <5

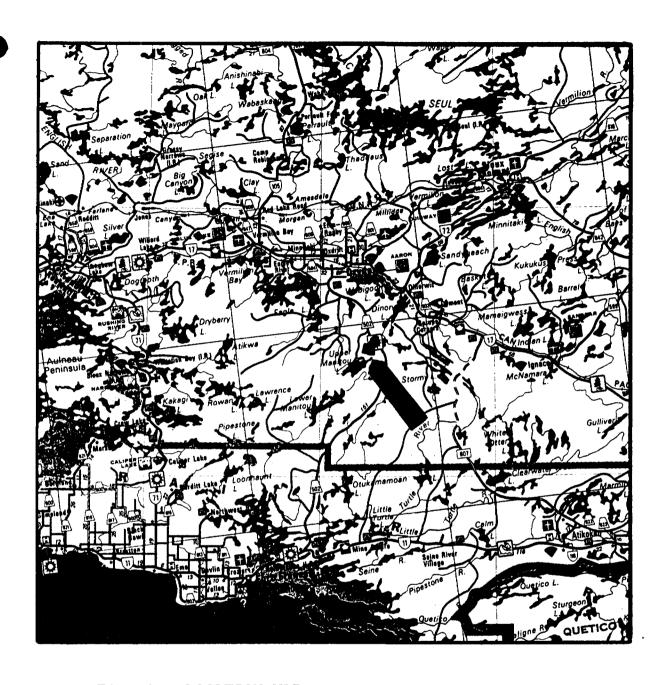


Fig. 1 LOCATION MAP

GOLD ROCK PROJECT
Turtlepond and Boyer Lakes Areas
Kenora Mining Division
Ontario

scale 1:1,600,000 (1"= 25 miles)

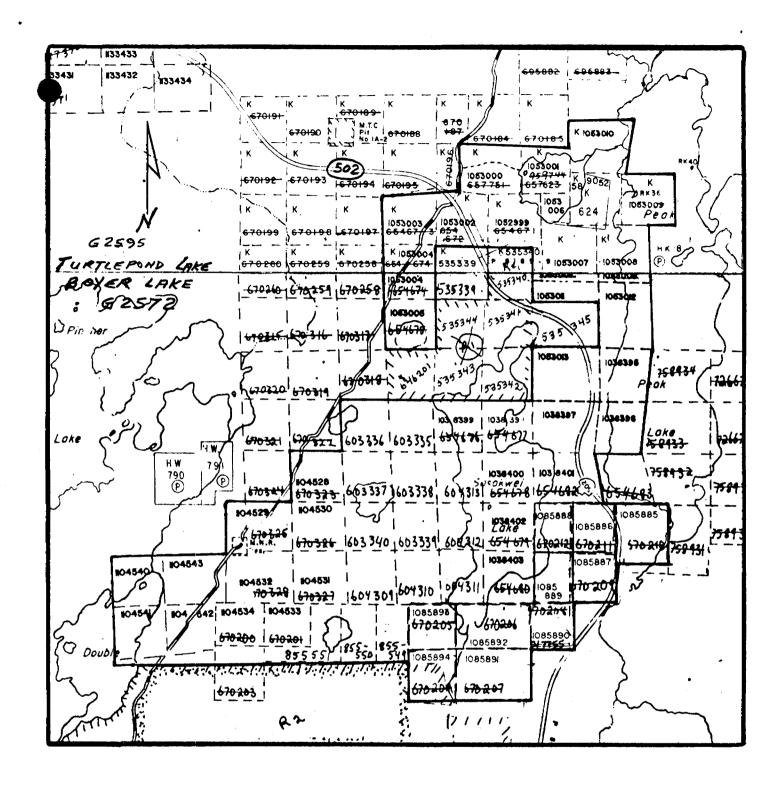


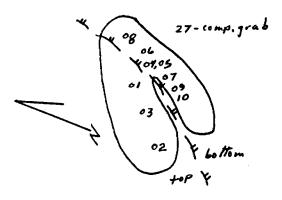
Fig. 2 CLAIM MAP

GOLD ROCK PROJECT
Turtlepond and Boyer Lakes Areas
Kenora Mining Division
Ontario

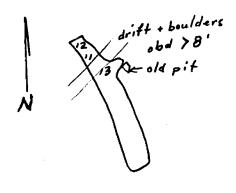
scale 1" = 1/2 mile

SKETCH MAP SAMPLE LOCATIONS FROM STRIPPED AREAS TURTLEPOND & BOYER LAKES AREA KENORA MINING DIVISION - ONTARIO

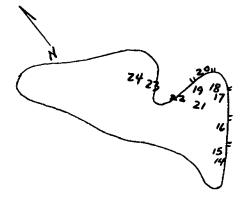
LOCATION 1 (K 1053010)



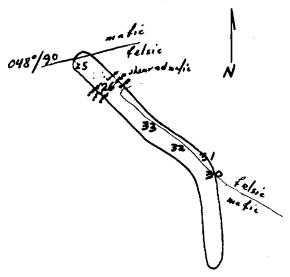
LOCATION 2 (K589052)



LOCATION 3 (K1104532)



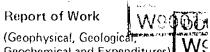
LOCATION 4 (K1104529)





Ministry of Northern Development and Mines

Report of Work



Geochemical and Expenditures)



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I hereby certify that I have a	personal and intimate ki	nowleage of t	ne facts set forth	in the Report of	it Work anne	xea nereto,	naving performed t	ne work

Name and Postal Address of Person Certifying
J. W. Kedchen

or witnessed same during and/or after its completion and the annexed report is true.

DOCUMENT No. W9001 • 07

Χ χ INVOICE Χ Χ X У J. W. REDDEN - GEOLOGIST χ χ χ χ P. O. Box 117, Wabigoon, Ontario, POV 2WO χ Х χ X. Tel. (807) 938-6915 Χ χ χ χ χ χ χ χ CLIENT: Jim Redden χ χ Box 117 χ Х Wahigoon, Ont. Χ POV 2WO χ Х χ Х Χ У. Х χ X χ Χ Χ Χ Date Job No. : Ordered : Completed Terms χ χ Χ 23 - 12 - 89 23-12-89 Х χ χ X. χ Х χ Dr. Χ χ Balance Description Cr. Χ χ χ χ Χ χ Х X. Χ y, Χ Χ re: Gold Rock Project Χ χ Stripping, Nov-Dec. 1989 ! χ χ layout, supervise and report χ Χ χ χ χ χ χ Prof. fees χ Х 13 days @ \$350/day 4550.00 Х χ Х Χ Assays χ 33 @ #15 495.00 Х Χ χ Χ Χ Χ TOTAL \$5,045.00 Х Х γ.

INVOICE NUMBER: 5 nt.15

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JAN 51990 AM 789701112123456

KENORA

MINING DIV.

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TRENCHING & STRIPPING J.W. REDDEN CLAIMS TURTLEPOND & BOYER LAKES AREAS

LOCATION Z. LOCATION 1. 150 m K 1053010 stripped 250 'x 10' 0-6' deep stripped 80'x 50 0-6' deep K 589052 50m LOCATION 3. LOCATION 4. 300m 150m stripped 375' 250'X/0' stripped 125'x 100' 0-4'deep

0-5'deep

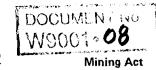
K 1104532

KENORA MINING DEV DE CELVE D JAN 51990 JAN 51990 PM 789101112123456

K 1104 529



Report of Work



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)".

			-
Name and P	ostal Addr	ess of Reco	rded Holder

J. W. REDDEN

Prospector's Licence No. £ 23950

BOX 117, WABIGOUN, ONF. POVZWO

Total Work Days Cr. claimed	Mining Claim		Work	٨	Mining Claim		Mining Claim		Work
344	Prefix	Number	Days Cr.	Prefix	Number	Days Cr.	Prefix	Number	Days Cr
or Performance of the following work. (Check one only)	K	1038395	39	K	1038403	38			1
Manual Work	W.	1038396	39						
Shaft Sinking Drifting or other Lateral Work.		1038397	38						
Compressed Air, other		1038398	38						
mechanical equip. Depower Stripping		1038399	38						<u> </u>
Diamond or other Core	338	1038400	38			ļ			
drilling Land Survey		1038401	38			1			
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Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

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datas: Nov. 20,21,22,23,24,27,28,39,30, Dec. 1,2,1989

sketch stacked

KENORA MINING DIV. ECEIVE 7891011 121 23 45 6

Dec 20,

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

J. W. Redden

Box 117, web. goon, Ont. POVZWO
Table of Information/Attachments Required by the Mining Recorde

Specific information per type Type of Work Manual Work Shaft Sinking, Drifting or other Lateral Work Type of equipment driven or mechanical equip. Type of equipment and amount expended. Power Stripping Note: Proof of actual cost must be submitted within 30 days of recording. Diamond or other core Signed core log showing: footage, diameter of drilling core, number and angles of holes. Land Survey Name and address of Ontario land surveyer,

This is the stripping involved in w9001-07

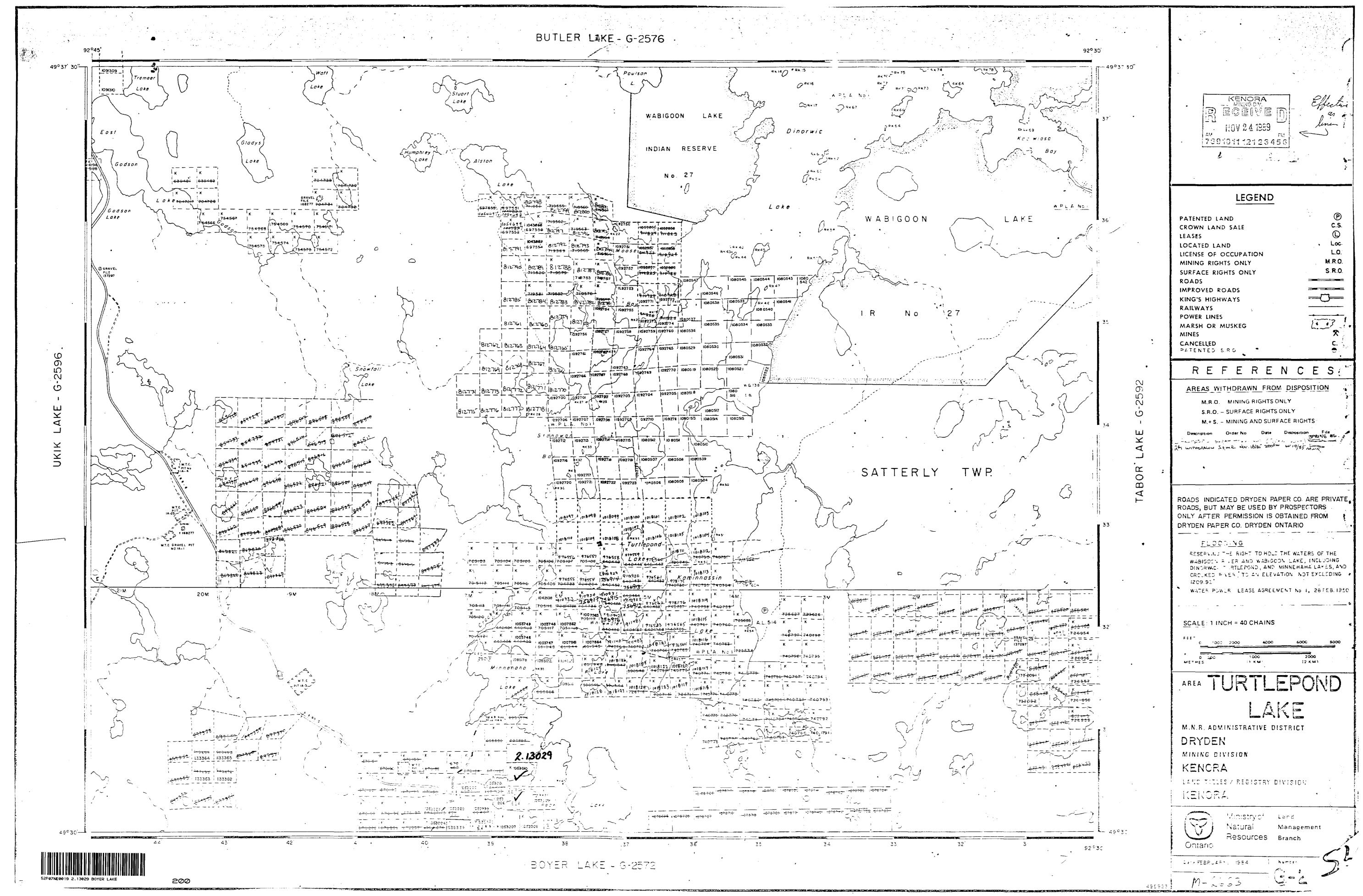
ttachments

k Sketch: these required to show location and ent of work in stion to the arest claim post.

Names and addresses up a. together with dates when drilling/stripping

Work Sketch (as above) in duplicate

Nil



SUBDIVISION OR COMPOSITE PLAN DISPOSITION OF CROWN LANDS PATENT, SURFACE & MINING HIGHTS_ SURFACE RIGHTS ONLY__ , MINING RIGHTS ONLY ____ LEASE, SURFACE & MINING RIGHTS MOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1913, VESTED IN ORIGINAL PATENTED BY THE PUBLIC LANDS ACT, 9.5.0, 1910, CHAP, 380, SEC. 63, 5, 285EC 1 AREAS WITHDRAWN FROM DISPOS M.R.O. DENING RIGHTS ONLY S.R.O. - SURFAUE RIGHTS ONLY TL+ S. - MENING AND SURFACE RIGHTS 119/35 NUR NOV 18/85 54 W-K-3/89 SEPT.7/89 S.B M.R. 7891011 121 23 456 SCALE: 1 140H = 40 CHAINS

LEGEND

Wegnish Loke - 6-2613