KENORA GOLD OCCURRENCES INC.

RAJAH/ROSEMAN GOLD PROPERTY
JAFFRAY TOWNSHIP
KENORA MINING DIVISION
ONTARIO

REPORT ON
GEOCHEMICAL SAMPLING, TRENCHING
AND DIAMOND DRILLING

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Dual
2.8932

SUMMARY

The 16 claim Rajah/Roseman property is in Jaffray Township, 1.0 km northwest of Kenora airport, Ontario.

During 1988 the property was explored by ground geophysics and prospecting and four targets tested by geochemistry, trenching, diamond drilling and sampling.

Three of the targets tested are considered to have little potential for economic gold mineralization, however a major shear zone, crossing the center of the property, has indications of good potential.

The northeasterly-striking shear is up to 500m wide, parallels similar mineralized structures such as the Scramble shear, and contains gold values in grab samples up to 0.12 oz/t.

A dacitic tuff unit, encountered in a single drill hole, contains anomalous values up to 2,237 ppb (0.074 oz/t) gold and may have potential for a stratiform, therefore large tonnage, gold deposit.

Geological mapping and further drilling are recommended to test the shear and associated dacitic tuff in order to locate economic gold mineralization.

CON'

SUMMARY

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1.0 INTRODUCTION

This report details exploration of the Rajah/Roseman property during 1988. The program consisted of linecutting, magnetic and VLF-EM surveys, humus sampling, prospecting, trenching and diamond drilling. Results of the geophysical surveys are given in the accompanying "Report on ground magnetic and VLF-EM surveys, Princess/Black Sturgeon and Rajah/Roseman properties, Haycock and Jaffray Townships, Ontario" by F.L.Jagodits.

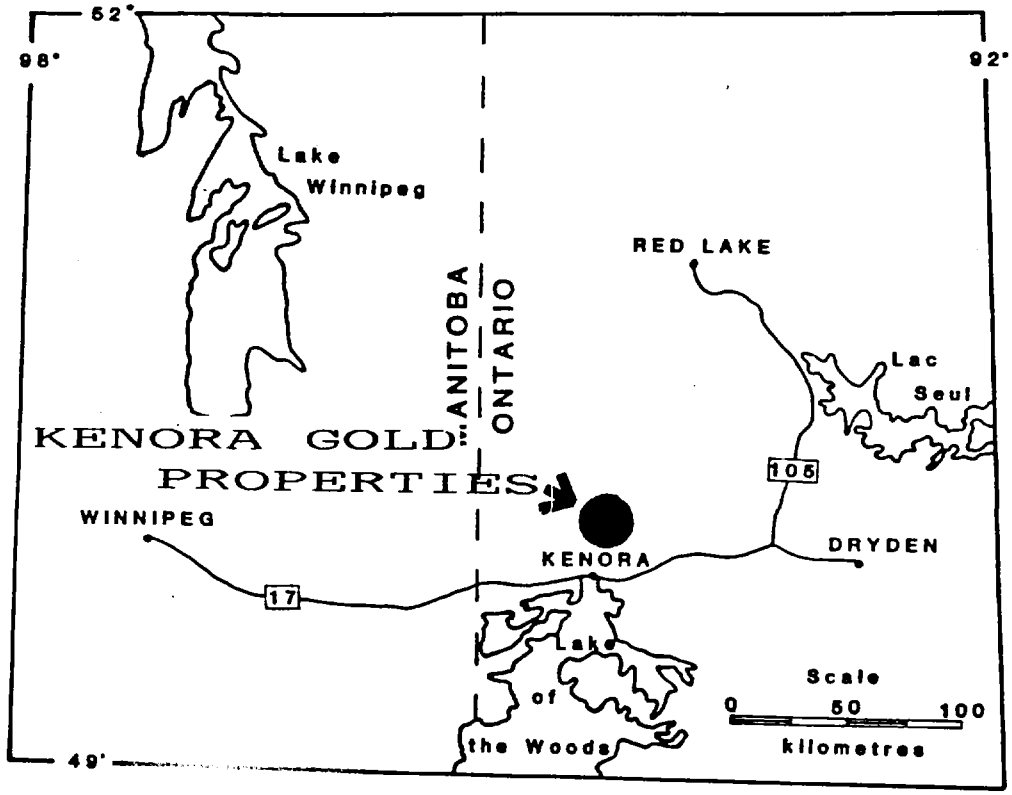
The aim of the program was to test a number of areas that have potential for economic gold mineralization.

2.0 PROPERTY DESCRIPTION AND LOCATION

The Rajah/Roseman property consists of 16 contiguous mineral claims 1.0 km northwest of Kenora airport in Jaffray Township, Kenora Mining Division, District of Kenora, Ontario.

Claim numbers are:
895621, 895622, 895623, 1003745, 1017839, 1017840, 1017924, 1017925, 1017926, 1017927, 1017928, 1017929, 1017930, 1017931, 1017976, 1017977.

All claims are in good standing. Surface rights are vested in the Crown with the exception of one surface-rights-only patent covering claims 1017839 and 1017840. Right-of-ways cross the property for the Northern Ontario Pipeline (Crown Corporation), Ontario Hydro power lines and the Kenora bypass road.



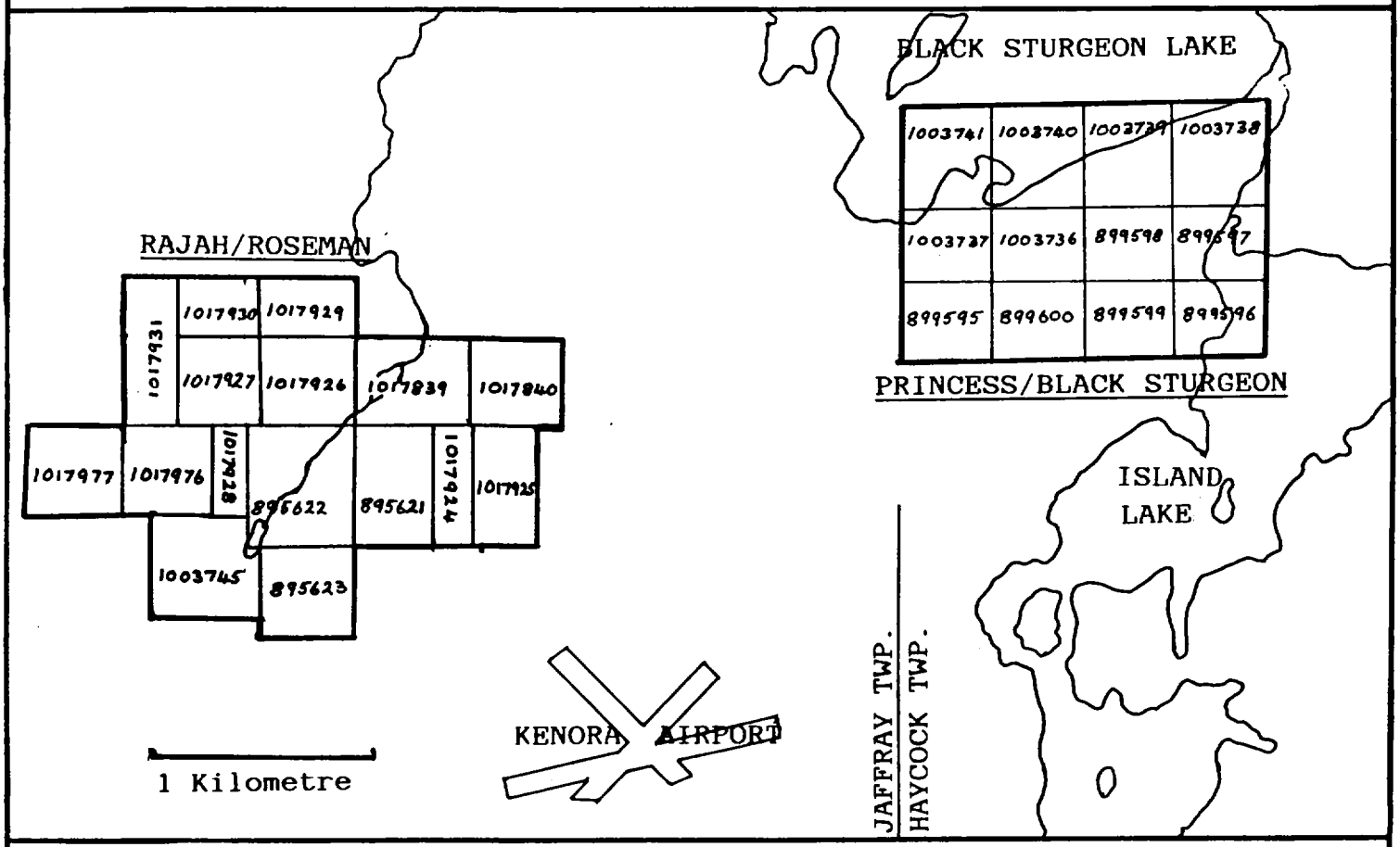


FIGURE 1: LOCATION OF KENORA GOLD INC. PROPERTIES

3.0 ACCESS, CLIMATE AND LOCAL RESOURCES

Access to the property is excellent. The Trans-Canada highway (Highway 17) is 5 km south of the property which is crossed by paved Highway 604 to the Kenora airport. In addition, all-weather gravel roads, four-wheel drive tracks and cottage, pipeline and hydro line access roads crisscross the area and a new road to bypass Kenora is being constructed over the property.

The Kenora airport, with daily jet service to Winnipeg, Thunder Bay and Toronto, is 1 km southeast of the property.

Rail access via the Canadian Pacific Railway is available less than 1 km south.

Climate is typical of Western Ontario. Snow cover and sub-zero temperatures usually last from November to April or May, followed by summer weather with daily high temperatures averaging 21°C.

Topography is moderately rugged with steep-sided ridges separated by narrow, often swamp filled valleys. Vegetation is mainly secondary growth of poplar, spruce and minor balsam and ash.

Local resources are plentiful. The property is crossed by two natural gas pipelines and a major hydro line. Fresh water is plentiful and local labour and services are available from Kenora 10 km to the southwest.

4.0 REGIONAL GEOLOGY AND MINERALIZATION

The Kenora district is underlain by rocks of Precambrian age belonging to two geological subprovinces within the Superior Province. The Rajah/Roseman property lies within a narrow, northeast -trending wedge of rocks of the Wabigoon Subprovince, north of which are gneissic rocks of the English River Subprovince.

Figure 2 illustrates the regional geology of the area. The following description is from Davies, Smith and Blackburn, 1985:

" A wedge-shaped area of volcanic and sedimentary rocks extends northeast from the main body of supracrustal rocks in the vicinity of Kenora. Intensely deformed gneisses lie to the northwest and to the east are granitoid stocks which may be related to the Dryberry batholith. Tholeiitic basalts are overlain by fine-grained intermediate to felsic pyroclastics, which in turn are overlain by clastic sediments. A gabbroic sill lies near the top of the basaltic sequence.

The principal direction of faulting, the weak to strong foliation, and the trace of fold axes are all approximately parallel to wedge boundaries and converge to the northeast. At the northwest side of the wedge mafic rocks are highly deformed and metamorphosed but elsewhere primary features are largely preserved. An oval stock of porphyritic quartz monzonite, which lies on the trace of the Airport Anticline, is only weakly foliated.

All the known volcanic-hosted gold occurrences except one are in basalt and are associated with quartz veins or silicified shears. Fractured and mineralized felsic dykes which lie in sheared basalts have also been investigated. The mineralized zones trend

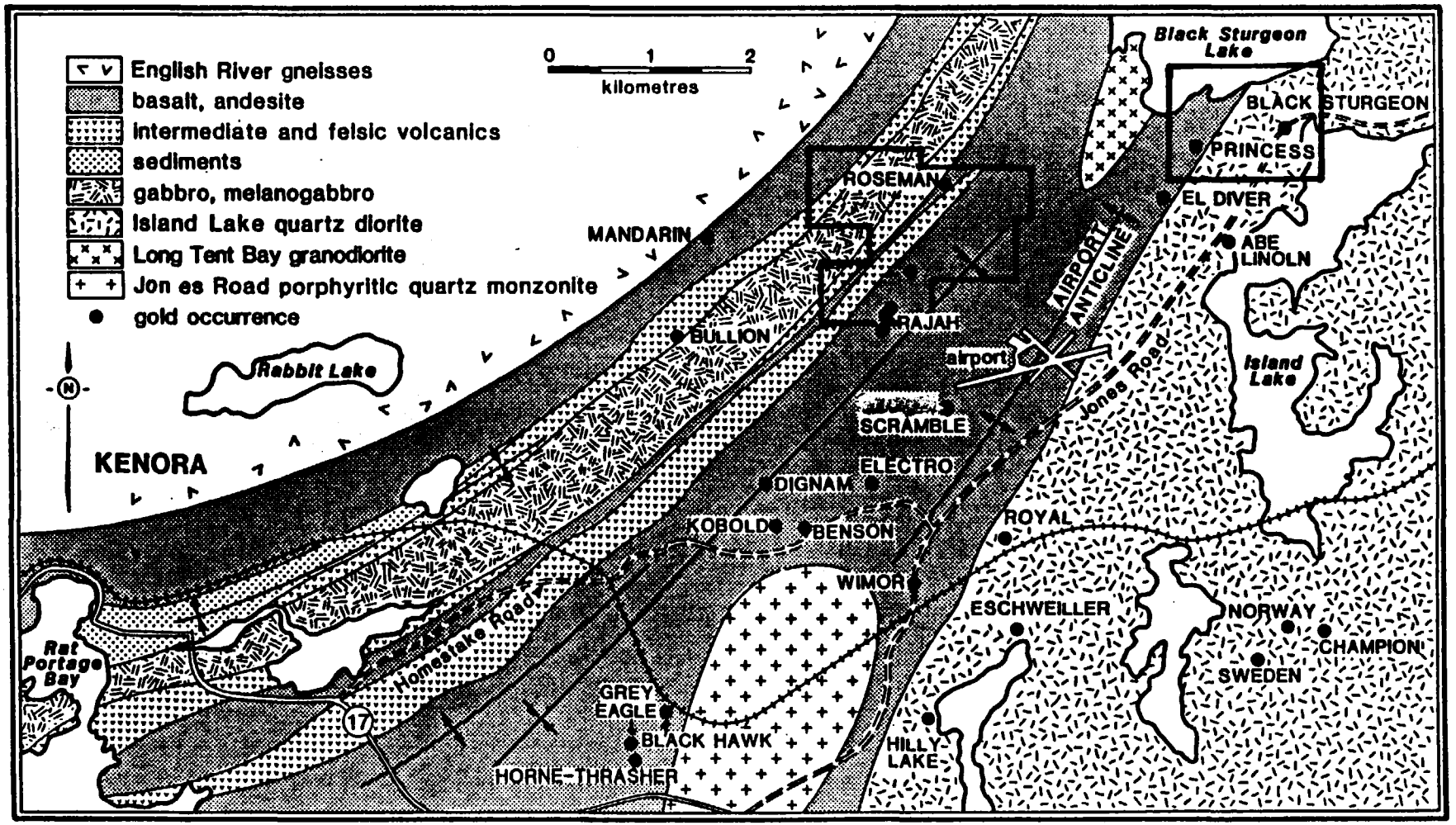


FIGURE 2: THE KENORA GOLD OCCURRENCES INC. PROPERTIES-
REGIONAL GEOLOGY AND GOLD SHOWINGS (AFTER KING, 1983).

northeast and are interpreted to be related to movement along near-vertical axial planar shears. Tourmaline and minor sulphides are associated with most quartz veins; chlorite, biotite, carbonate and sulphides are common in the sheared basalt.

Gold occurrences in the Island Lake quartz diorite are associated with shearing. Most of the mineralization is in or near quartz veins which occupy zones of dilatency. Gold is associated with pyrite, especially along minor fractures in the quartz and the host diorite or quartz diorite. Dyke-like bodies of ultra-mylonite lie near mineralized and silicified shears at these occurr-ences."

The potential for economic gold mineralization in this area is indicated by the Scramble Prospect. This occurrence, lying directly south of the Rajah/Roseman property, is being explored underground by Madelaine Mines and Boise Cascade Canada Ltd. Three hundred thousand tons grading 0.3 oz/ton gold is said to have been defined to date.

5.0 HISTORY OF THE PROPERTY

Gold has been known on the Rajah and Roseman properties since the 1890's. Early work consisted of pitting, trenching and exploration shafts. Before the work by Kenora Gold Occurrences Inc, little comprehensive exploration has been done.

The following information is compiled from ODM Annual Reports, King and Foster (1983) and reports in the MNR assessment files.

1890 - Messrs. McGee, Brereton and Henesy staked Mining Location 317P covering the Rajah #2 location and sold it to J.F. Caldwell, owner of the Sultana Mine.

1892-1894 - Property optioned to the Rajah Gold Mining Co. of London, England. Two shafts and test pits were sunk, the northern shaft (Rajah # 1) being 18 m deep and inclined at 85° to the northwest. At 11 m depth, 14 m were drifted to the south. The southern shaft (Rajah # 2) is 19 m deep: no production is reported.

Pre-1946 - Roseman occurrence held by Mr. Silverman who dug an 11 m trench on mineralization.

1946 - Mr. Roseman, who bought the property from Silverman, drilled one X-Ray hole drill hole to 32 m.

1983 - Claims 895621 to 895623 staked by G. Zebruck and R. Schienbein to cover the Rajah #1 and #2 shafts.

1984 - Three miles of grid and magnetometer survey were done on the Zeebruck claims.

1984 - Sixteen claims surrounding the Zeebruck claims (now part of the Rajah/Roseman property) were geologically mapped and sampled by Boise Cascade.

1985 - The 16 claims were remapped, sampled and covered by 10.4 km of of VLF-EM and 12.4 km of magnetic survey by Kennco.

1987 - Eleven claims covering the Roseman occurrence and the bulk of the 16 Boise Cascade claims were staked by G. Zeebruck and his total holding of 14 claims were optioned to Kenora Gold Occurrences Inc.

6.0 1988 EXPLORATION PROGRAM

6.1.0 LINECUTTING

In 1988 a survey grid was cut to cover the Rajah/Roseman claims (Map 2). The grid consists of a 1.7 km baseline at 45° (t) and cross-lines at 100 m intervals. All lines were chained and picketed at 12.5 m intervals and a tie-line cut at 10 + 00 N. The total length of cut line is 26 km.

6.2.0 GEOPHYSICS

The entire grid was covered by gradiometer, total field magnetic and VLF-EM surveys. Proceedures and results are detailed in the accompanying geophysical report by F.L.Jagodits of Excalibur International Consultants Ltd.

6.3.0 GEOCHEMISTRY

An area in the northeast of the property contains a number of old trenches over sulphide and garnet-bearing rocks that may represent iron formations. Grab samples of narrow quartz veins in these trenches contain up to 0.36 oz/t Au, and the geophysical surveys indicate a possible fold nose in the area. These factors indicate a potential for economic gold mineralization.

A geochemical survey was conducted to test this area for anomalous gold. The survey covered lines 3+00 E to 7+00 E (inclusive), from BL 0+00 to 3+40 N. Humus samples were taken every 10 meters along the lines for a total of 170 samples. These were analysed for gold by Bondar Clegg and Co. Ltd. of Ottawa using the fire assay/DC plasma method. Analysis method and assay sheets are included in Appendix C.

6.3.1 RESULTS OF GEOCHEMISTRY

Results are shown on Map 1. A number of narrow, discontinuous anomalies with low gold values up to 36 ppb Au were detected. These are consistent with anomalies generated by gold-bearing veins or narrow gold-bearing rock units.

6.4.0 TRENCHING

Three targets on the property were selected for trenching (Map 2):

1) - Humus geochemical anomaly at line 5+00 E, 0+60 N;
2) - The Roseman Vein at 7+30 E, 0+50 N, and
3) - Old pit #4 at 5+80 W, 1+80 N.

Trenching was done using a Backhoe and the trenches were further cleaned by hand. Details of the contractor and dates of work are given in Appendix D.

6.4.1 RESULTS OF TRENCHING - HUMUS GEOCHEMICAL ANOMALY

A 45m long backhoe trench tested the highest geochemical value on line 5+00 E (Map 3). A well-sheared sequence of dacitic tuffs were exposed, hosting two sulphide/garnet bearing units up to 5m thick. These units appear to be sulphide-bearing interformational rocks rather than true exhalative iron formations and three grab samples of the best material returned only trace amounts of gold.

The origin of the humus gold anomaly was not discovered, however it is probably due either to small gold-bearing veins

that are common in the area, or to surface enrichment of gold leached from the "iron formations".

6.4.2 RESULTS OF TRENCHING - THE ROSEMAN VEIN

A backhoe trench exposed 30m strike length of the Roseman Vein (Maps 2 and 3). This is a 0.3 to 1.5m white quartz vein containing up to 20% pyrite, chalcopyrite and molybdenite hosted by sheared mafic volcanics. The vein strikes 135° and dips to the southwest at 20° to 40°.

Five grab samples from the quartz vein contained 0.16, 0.29, 0.31, 0.29 and 0.20 oz/t Au.

6.4.3 RESULTS OF TRENCHING - OLD PIT #4

This is an old blast pit in altered, sheared mafic volcanics containing 0.3m wide quartz veins that consistently give gold values up to 5 oz/t Au (Map 2).

An area of 10x10m was cleared by backhoe and hand to expose 3 east-west trending, sinuous quartz veins up to 0.3m in width. The veins pinch and swell dramatically along their length. Seven grab samples from the veins returned 0.38, 3.84, 1.17, 0.30, 0.01, 0.01 and trace oz/t Au.

6.5.0 PROSPECTING

A total of 8 man days were spent prospecting the property. Personnel involved are listed in Appendix D and results given on Map 2.

A large swamp crosses the center of the property in

a northeasterly direction and appears to lie in the middle of a major shear system. Rocks on either side of the swamp are strongly deformed with a shear fabric that increases in strength towards the swamp. Average width of the shear zone is about 500m.

Abundant evidence of mineralization can be found along the margins of this shear. Quartz veins of at least three ages exist, the oldest being narrow, usually dark-coloured and striking parallel with the shear. The Rajah vein is an example. Grab sampling of this type of vein gave gold values up to 0.12 oz/t Au in the road cut at 6+50 W, 1+50 N, and 0.02 oz/t Au at the Rajah #1 shaft. These veins contain up to 10% pyrite, pyrrhotite and minor chalcopyrite and often up to 30% carbonate. The sheared mafic volcanic host of the veins also tends to contain sulpides and carbonate and one 1.5m chip sample in the road cut contained 0.01 oz/t Au.

A second, younger, type of vein strikes easterly and cross-cuts the shear fabric and older veins. Examples of this type are the Roseman and Pit #4 veins. These veins tend to be erratic and discontinuous, consisting of white quartz with up to 5% pyrite, chalcopyrite and minor molybdenite. Gold values of grab samples are consistently high, up to 0.31 oz/t Au at the Roseman Vein and 3.84 oz/t Au at Pit #4.

The last and probably youngest type of vein identified is a multi-directional, white quartz vein of varying thickness up to 1m. These veins are common along the edge of the shear and contain up to 10% tourmaline. Grab samples returned only trace amounts of gold.

Prospecting along the northern gas pipeline located outcrop near the center of the shear at 1+00 W, 5+20 N. This consists of a sheared gabbro to the north in contact with dacitic

and felsic fragmental volcanics to the south. Strong carbonate alteration, pyrrhotite, pyrite, chalcopyrite and diopside occur throughout the volcanics and immediate margins of the gabbro.

Five grab samples of the altered material contained gold values up to 0.02 oz/t Au.

6.5.1 RESULTS OF PROSPECTING

The above observations, made during prospecting, lead to the following tentative model for mineralization on the property:

The large, northeasterly trending shear represents a major structure parallel to similar mineralized structures such as the Scramble and Treasure shears. The presence of gold values up to 0.12 oz/t Au in the shear indicate the possibility that it may host an economic gold deposit.

The easterly-striking veins such as the Roseman Vein appear to be later features filling dilatencies formed during a younger tectonic event. Gold contained in these veins is probably remobilized, possibly from the adjacent shear zone. Although gold values in these veins are high, it is unlikely that they could generate sufficient tonnage for an economic mining operation.

6.6.0 DIAMOND DRILLING

Three BQ drill holes, totalling 143.56m, were drilled on the Rajah/Roseman property during 1988. Details of the contractor, dates and equipment are given in Appendix D. Drilling tested two targets:

1) - The Roseman Vein, and
2) - The Main Shear.

6.6.1 RESULTS OF DIAMOND DRILLING - ROSEMAN VEIN

The Roseman Vein is the widest and highest grade easterly-striking vein located on the property. At the widest point the vein is 1.5m wide and grab samples assayed up to 0.31 oz/t Au.

Two drill holes tested the vein at depth to determine if width and grade are consistent or better than at surface. Location of the holes are shown on Maps 2 and 3: results are illustrated on Map 5. Drill logs are included in Appendix A.

Hole 88-21 (87') was drilled at -45° and intersected a sequence of altered, highly sheared mafic volcanics. Alteration, caused by the Main Shear, consists of carbonate, chlorite, biotite and minor pyrite.

The Roseman Vein was intersected between 66.5 and 69.3 feet and consisted of white to grey quartz with 1% pyrite and minor chalcopyrite, molybdenite and pyrrhotite. The 2.9' intersection assayed 0.06 oz/t Au.

Hole 88-22 (127') was drilled from the same location at -65° to test the vein deeper than the 88-21 intersection. Similar rocks were intersected, however the Roseman Vein appears to have anastamosed into three separate veins 0.2, 0.5 and 0.3 feet wide. All veins are gold-bearing, as 1' samples including the veins contained 0.16, 0.1 and 0.06 oz/t Au.

6.6.2 RESULTS OF DIAMOND DRILLING - THE MAIN SHEAR

The potential for economic mineralization in the Main Shear has been outlined in 6.5.1. The target is, however, so large that difficulty was encountered in deciding the best loc--ation for an initial exploratory hole. The location of hole 88-20 was chosen to test the intersection of two weak geochemical anomalies near the approximate axis of the shear. The hole was drilled at -45° for a length of 257'. Location of the hole is shown on Map 2 and the geology section on Map 4. Detailed analysis information is given on Map 4a and the drill log is included in Appendix A.

The hole intersected 38.5' of gabbro followed by 125.1' of extremely sheared and altered mafic to dacitic tuffs with a very high carbonate content. The final 81.4' of the hole is in a fairly innocuous-looking dacitic tuff.

The entire core was split and analysed for gold by Bondar Clegg of Ottawa. Results were surprising as the most altered and sheared material between 38.5' and 163.6' gave low results. However, the dacitic tuff at the end of the hole is consistently anomalous in gold with values up to 2,237 ppb (0.074 oz/t) over 3.0'.

These results confirm the presence of gold in the Main Shear and raise the possibility of a stratabound gold deposit hosted by the dacitic tuff.

The geophysical anomalies are not well explained, but may be due to the altered and sheared material if a dip of 45° west is assumed. The anomalies may also be due to the mineralized dacitic tuff, assuming a vertical or slightly easterly dip. Further examination of the core with magnetic susceptibility and conductivity meters and petrology is necessary to determine if the unit is magnetic or conductive.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The 1988 program explored the Rajah/Roseman property by prospecting and geophysics and tested four targets using geochemical sampling, trenching and drilling.

A major shear zone, crossing the center of the property, was recognised during prospecting and extensive evidence of related gold mineralization was located. One drill hole tested the shear zone and intersected a dacitic tuff unit containing anomalous gold values up to 2237 ppb (0.074 oz/t) Au.

The easterly-striking Roseman vein was tested by trenching, drilling and sampling. On surface the vein reaches 1.5m width and grab samples contain up to 0.31 oz/t Au. Two drill holes tested the vein at depth and intersected 2.9' containing 0.06 oz/t Au and 1.0' of 0.16 oz/t Au.

An area southwest of the Roseman Vein containing several old pits with sulphide/garnet "iron formation" and narrow, gold-bearing veins was tested with soil sampling, trenching and sampling. A narrow, discontinuous geochemical anomaly was trenched and found to be underlain by sulphide/garnet-bearing interformational units that contain trace amounts of gold.

Trenching and sampling on the Pit #4 showing tested narrow, discontinuous easterly-striking quartz veins that contain up to 3.84 oz/t Au.

The easterly-striking Roseman and Pit #4 veins are considered to be late remobilized features and, although they contain significant gold values, they are considered to have limited tonnage potential. No further work is recommended on these showings.

The interformational "iron formation" is associated with narrow, gold-bearing quartz veins, but is not considered to have economic potential in itself. No further work is recommended .

The Main Shear Zone is considered to be a first class target on the property. The following program is recommended:

1) - Geological mapping and sampling of the propery to define the shear, locate and test the gold-bearing dacitic tuff unit intersected in hole 88-20, and locate and test any other auriferous units.

2) - Further drilling of the zone and any other associated targets located during mapping and sampling. Drill footage will depend on whether the mineralized dacite can be located and defined on surface and the number of associated targets found. An adequate test of the shear is, however, expected to need considerable drilling.

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APPENDIX A
DRILL LOGS

Location	Rajah	Anomaly	Deformation Zone	D.D.H. Nº	KGRA-88-20
Coordinates at Collar	L400W/415N metric grid	Azimuth	135°	Dip	-45°
Depth	257'				
Claim Nº	K.895622	Logged By	W.C. Hood	Start	Dec. 7/88
Finish	Dec. 11/88	Page	1 of 4		
Drilled By	Kenora Soil and Drilling	Core Size	BQ	Dip Test	-

Footage		GEOLOGY	Sample				Assays		
From	To		Nº	From	To	Length	Au oz	Au ppb	Au ppb
0	3.0	CASING: boulder till.							
3.0	38.5	GABBRO: medium-grained, dark grey, massive to locally schistose; minor sheared chloritic sections; becomes fine-grained at 36.5-38.5.	15775	3.0	6.0	3.0		8	
			15776	6.0	9.0	3.0		6	
			15777	9.0	12.0	3.0		3	
			15778	12.0	15.0	3.0		5	
			15779	15.0	18.0	3.0		7	
			15780	18.0	21.0	3.0		3	
			15781	21.0	24.0	3.0		5	
			15782	24.0	27.0	3.0		2	
			15783	27.0	30.0	3.0		4	
			15784	30.0	33.0	3.0		3	
			15785	33.0	36.0	3.0		5	
			15786	36.0	38.5	2.5		12	
38.5	104.7	ANDESITE FRAGMENTAL: 38.5-42.0 fine-grained, green-grey; crudely banded, sheared section of mafic tuff (?) with 25% white to grey calcite; core angle 47° at 41.0.	15768	38.5	42.0	3.5	0.01		
		42.0-104.7 generally fine-grained, green-grey, schistose; variable ash, crystal, and lapilli tuff; locally coarse fragmental; minor weakly magnetic bands or patches; heavily carbonatized (white to grey calcite) and chloritized (green chlorite); calcite is disseminated, in seams, & in irregular patches - locally appears to replace fragments; patches of calcite are generally flanked by a rind of chlorite; minor local disseminated garnet; calcite patches also host frequent white feldspar crystals & patches; heavily/massively carbonatized at	15787	42.0	45.0	3.0		12	
			15788	45.0	47.5	2.5		8	
			15789	47.5	50.0	2.5		8	
			15769	50.0	53.1	3.1	tr		
			15770	53.1	57.5	4.4	tr		
			15771	57.5	58.7	1.2	tr		
			15790	58.7	60.8	2.1		17	
			15791	60.8	63.0	2.2		8	
			15792	63.0	66.0	3.0		5	
			15793	66.0	69.0	3.0		6	
			15794	69.0	72.0	3.0		5	
			15795	72.0	75.0	3.0		8	

Location	Rajah	Anomaly	Deformation Zone	D.D.H. Nº	KGRA-88-20
Coordinates at Collar	L400W/415N metric grid	Azimuth	135°	Dip	-45°
Depth	257'				
Claim Nº	K.895622	Logged By	W.C. Hood	Start	Dec. 7/88
Finish	Dec. 11/88	Page	2 of 4		
Drilled By	Kenora Soil and Drilling	Core Size	BQ	Dip Test	-

Footage From	Footage To	GEOLOGY	Sample Nº.	Sample From	Sample To	Sample Length	Assays Au oz	Assays Au ppb
		50.0-53.1, 57.5-58.7, 67.2-68.3, 85.3-87.8, & 94.3-97.9.	15796	75.0	78.5	3.5		4
			15797	78.5	82.0	3.5		2
			15798	82.0	85.3	3.3		1
			15772	85.3	87.8	2.5	tr	
			15799	87.8	90.0	2.2		8
			15800	90.0	93.0	3.0		1
			15801	93.0	96.0	3.0		1
			15802	96.0	99.0	3.0		1
			15803	99.0	102.0	3.0		1
			15804	102.0	104.5	2.5		1
104.7	113.2	CARBONATIZED ANDESITE FRAGMENTAL: schistose section with 25% fragments & partings of chloritized/biotitized andesite and minor carbonatized feldspar crystals & patches in a matrix of fine-grained, white to grey calcite; minor greenish fuchsite (?); core angle 45° at 108.4.	15805	104.5	107.0	2.5		1
			15773	107.0	110.4	3.4	tr	
			15774	110.4	113.2	2.8	tr	
113.2	115.9	SHEARED ANDESITE TUFF: fine-grained, grey, schistose; talcose, chloritic, sheared section.	15806	113.2	115.9	2.7		3
115.9	133.6	DACITE/ANDESITE TUFF:	15807	115.9	119.4	3.5		1
		115.9-126.6 fine- to medium-grained, grey, schistose; crystal to locally lapilli tuff.	15808	119.4	123.0	3.6		1
			15809	123.0	126.5	3.5		1
		126.6-133.6 fine-grained, grey, schistose; mostly fine-grained andesite ash tuff with a band of feldspar crystal tuff at 130.7-131.6	15810	126.5	130.1	3.6		1
			15811	130.1	133.6	3.5		5
133.6	161.8	DACITE TUFF: fine- to medium-grained, grey, schistose; crudely bedded section varying between ash & crystal tuff, with white	15812	133.6	137.0	3.4		7
			15813	137.0	141.0	4.0		1
			15814	141.0	144.0	3.0		1

Location	Rajah	Anomaly	Deformation Zone	D.D.H. Nº	KGRA-88-20
Coordinates at Collar	L400W/415N metric grid	Azimuth	135°	Dip	-45°
Depth	257'				
Claim Nº	K.895622	Logged By	W.C. Hood	Start	Dec. 7/88
Finish	Dec. 11/88	Page	3 of 4		
Drilled By	Kenora Soil and Drilling	Core Size	BQ	Dip Test	-

Footage		GEOLOGY	Sample				Assays			
From	To		Nº.	From	To	Length	Au ppb	Au ppb	Au ppb	Au ppb
		anhedral to euhedral feldspar crystals up to 1/10"; minor irregular veinlets; minor bleached patches with epidote-filled fractures; rare potassic alteration.	15815	144.0	147.0	3.0	10			
			15816	147.0	150.0	3.0	2			
			15817	150.0	153.0	3.0	1			
			15818	153.0	156.0	3.0	1			
			15819	156.0	159.0	3.0	5	25		
			15820	159.0	161.7	2.7	10	2		
161.8	163.6	MAFIC TUFF: fine-grained, dark grey, schistose; amphibole-biotite-calcite schist unit with 60% black amphibole, 30% white to grey calcite, & 10% black biotite; trace pyrrhotite; top contact at 40°, lower contact at 39°.	15821	161.7	163.7	2.0	12	5		
163.6	245.0	DACITE TUFF: generally as at 133.4-161.8; locally fine bedded ash tuff; trace fine-grained disseminated pyrite in bleached zone at 163.6-164.2.	15822	163.7	165.8	2.1	1	5		
			15823	165.8	168.0	2.2	100	103		
			15824	168.0	171.0	3.0	67	53		
			15825	171.0	174.0	3.0	5	30		
			15836	174.0	177.0	3.0	5	6		
			15837	177.0	180.0	3.0	16	2		
			15838	180.0	183.0	3.0	5	7		
			15839	183.0	186.0	3.0	12	3	4	
			15840	186.0	189.0	3.0	10	2	2	
			15841	189.0	192.0	3.0	6	1	10	
			15842	192.0	195.0	3.0	8	4	2	
			15843	195.0	198.0	3.0	55	1	1	
			15844	198.0	201.0	3.0	61	2237	1	3
			15845	201.0	204.0	3.0	116	8	5	
			15846	204.0	207.0	3.0	52	3	32	
			15847	207.0	210.0	3.0	32	5	7	
			15848	210.0	213.0	3.0	59	5	3	
			15849	213.0	216.0	3.0	11	4	1	
			15850	216.0	219.0	3.0	68	3	3	

Location	Rajah	Anomaly	Deformation Zone	D.D.H. Nº	KGRA-88-20
Coordinates at Collar	L400W/415N metric grid	Azimuth	135°	Dip	-45°
Depth	257'				
Claim Nº	K.895622	Logged By	W.C. Hood	Start	Dec. 7/88
Finish	Dec. 11/88	Page	4 of 4		
Drilled By	Kenora Soil and Drilling	Core Size	BQ	Dip Test	-

Footage		GEOLOGY	Sample				Assays		
From	To		Nº	From	To	Length	Au ppb		
			15851	219.0	222.0	3.0	15		
			15852	222.0	225.0	3.0	6		
			15853	225.0	228.0	3.0	23		
			15854	228.0	231.0	3.0	25		
			15855	231.0	234.0	3.0	236		
			15856	234.0	237.0	3.0	47		
			15857	237.0	240.0	3.0	5		
			15858	240.0	243.0	3.0	99		
			15859	243.0	246.0	3.0	10		
245.0	251.6	SHEARED DACITE TUFF: fine- to medium-grained, grey, schistose; sheared, locally altered section of the same dacite tuff as above and below; bleached section at 248.1-250.5; trace garnet; locally trace fine-grained disseminated pyrite; core angle 55° at 248.6.	15860	246.0	248.1	2.1	14		
			15861	248.1	250.5	2.4	12		
251.6	257.0	DACITE TUFF: generally as at 133.4-161.8.	15862	250.5	253.5	3.0	5		
			15863	253.5	257.0	3.5	15		
	257.0	END OF HOLE.							

William C. Hood, P.Eng.

Location Roseman		**Anomaly** Main Vein	**D.D.H. Nº** KGRS-88-21
Coordinates at Collar 705E/070N metric grid		**Azimuth** 050° **Dip** -45°	**Depth** 87'
Claim Nº K.1017840	**Logged By** W.C. Hood	**Start** Dec. 16/88 **Finish** Dec. 18/88	**Page** 1 **of** 1
Drilled By Kenora Soil and Drilling		**Core Size** BQ **Dip Test** -	

Footage From	Footage To	GEOLOGY	Sample Nº.	Sample From	Sample To	Sample Length	Assays Au
0	9.0	CASING: boulder till, broken outcrop.					
9.0	66.5	MAFIC TUFF/FRAGMENTAL: fine-grained, brownish-grey to greenish-grey, schistose; drill hole almost directly down foliation - core angles range from 0° to 20°, frequent biotitic, chloritic, carbonatized, and amphibolite layers; local minor py.	15826	65.5	66.5	1.0	tr
66.5	69.3	QUARTZ VEIN: white to grey, glassy to sugary; mostly barren white quartz but locally patches & fracture controlled zones of grey quartz with sulphide mineralization; 1% pyrite, trace chalcopyrite & molybdenite; trace pyrrhotite along lower contact; both contacts irregular.	15827	66.5	69.4	2.9	0.06
69.3	87.0	MAFIC TUFF/FRAGMENTAL: generally as at 9.0-66.5, but more amphibolite layers; cross-cutting fracture with quartz & coarse pyrite crystals at 74.9.	15828	69.4	70.4	1.0	tr
	87.0	END OF HOLE.					

William C. Hood, P.Eng.

Location	Roseman	Anomaly	Main Vein	D.D.H. Nº.	KGRS-88-22
Coordinates at Collar	705E/070N metric grid	Azimuth	050°	Dip	-65°
Depth	127'				
Claim Nº.	K.1017840	Logged By	W.C. Hood	Start	Dec. 18/88
Finish	Dec. 19/88	Page	1 of 1		
Drilled By	Kenora Soil and Drilling	Core Size	BQ	Dip Test	-

Footage From	Footage To	GEOLOGY	Sample Nº.	Sample From	Sample To	Sample Length	Assays Au
0	3.0	CASING: boulder till.					
3.0	127.0	MAFIC TUFF/FRAGMENTAL: fine-grained, brownish-grey to greenish-grey, schistose; drill hole almost directly down foliation - core angles range from 0° to 20°; frequent biotitic, chloritic, carbonatized, and amphibolite layers; local minor pyrite, pyrrhotite, & chalcopyrite; narrow cross-cutting quartz-tourmaline vein at 46.3 with core angle at 20°; white to grey glassy quartz vein at 69.7-69.9; white to grey sugary quartz vein with 3% pyrite & 1% chalcopyrite at 72.4-72.9 - minor pyrite, pyrrhotite, & chalcopyrite in wall-rock at 72.2-72.4 and 72.9-73.1; grey sugary quartz vein with minor pyrite at 80.6-80.7; white to grey quartz vein with minor pyrite & pyrrhotite at 97.1-97.4; cross-cutting calcite-epidote fracture filling at 121.0-121.1.	15829	67.0	69.3	2.3	tr
			15830	69.3	70.3	1.0	0.16
			15831	70.3	72.1	1.8	tr
			15832	72.1	73.1	1.0	0.10
			15833	73.1	75.1	2.0	tr
			15834	80.3	81.8	1.5	tr
			15835	96.7	97.7	1.0	0.06
	127.0	END OF HOLE.					

William C. Hood, P.Eng.

APPENDIX B
DESCRIPTION OF SAMPLES

DESCRIPTION OF SAMPLES FROM MAIN SHEAR

KGRJ 88 1:
Grab sample, rusty weathering, sheared, silicified zone with minor green diopside, 20% sugary quartz and 3% pyrrhotite.

KGRJ 88 2:
Composite grab sample, massive coarse grained green diopside with 5% quartz and 5% calcite.

KGRJ 88 3:
Grab sample, rusty weathering, banded rock containing 60% green diopside, 30% biotite schist and 5% white calcite.

KGRJ 88 4:
Composite grab sample, rusty, sheared gabbro with 2% disseminated pyrite and pyrrhotite.

KGRJ 88 5:
Grab sample, rusty, sheared, weakly banded gabbro with 10% diopside, 5% pyrrhotite in weak bands and trace chalcopyrite.

DESCRIPTION OF GRAB SAMPLES TAKEN BY AUTHOR FROM RAJAH PROPERTY.

1710 Rajah shaft dump. Two-centimetre quartz vein with pyrrhotite in altered chloritic mafic rock with pyrite stringers.

1711 Rajah #1 shaft dump. White quartz with thin chloritic laminae and minor pyrite.

1712 Rajah #1 shaft dump. White quartz with 5% pyrrhotite and chalcopyrite and chlorite stringers.

1713 Trench near [illegible]man showing. Banded chert-pyrrhotite iron formation.

1714 #4 trench on Rajah. White to grey quartz with thin tourmaline partings.

1715 #4 trench on Rajah. Grey-black quartz with thin rust partings.

1716 #4 trench on Rajah. White-grey quart 1% pyrite on fracture faces.

APPENDIX C
ASSAY AND ANALYSIS CERTIFICATES

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X3
(613) 749-2220 Telex 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 088-52902.0 (COMPLETE)

REFERENCE INFO:

CLIENT: W.C. HOOD GEOLOGICAL CONS.
PROJECT: NONE

SUBMITTED BY: W.C. HOOD
DATE PRINTED: 6-OCT-88

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	184	1 PPB	AQUA REGIA	FireAssay/DC Plasma
2	Au Rew Au Reweighs	4	1 PPB		
3	Au Rew Au Reweighs	4	1 PPB		
4	Testwt Fire Assay Test Wt.	11	0.01 gms		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ORGANIC OR HUMUS	184	-10	184	Sieve -10	184

REMARKS: ALL SAMPLES WERE TOTALLY PREPARED.
< MEANS LESS THAN

REPORT COPIES TO: BOX 1722
KENORA GOLD OCCURRENCES

INVOICE TO: BOX 1722

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 088-52902.0 PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au Rew PPB	Au Rew PPB	Testwt gms
L0-1+70S		3			
L0-1+80S		3			
L0-1+90S		<1			
L0-2+00S		9			
L0-2+10S		3			
L0-2+20S		<1			
L70-1+60S		6			
L70-1+70S		7			
L70-1+80S		7			
L70-1+90S		8			
L70-2+00S		14			5.00
L70-2+10S		8			
L70-2+20S		5			
L70-2+30S		5			
L3E-3+40N		6			
L3E-3+30N		8			
L3E-3+20N		7			
L3E-3+10N		5			
L3E-3+00N		3			
L3E-2+90N		4			
L3E-2+80N		5			
L3E-2+70N		5			
L3E-2+60N		<1			
L3E-2+50N		3			
L3E-2+40N		<1			
L3E-2+30N		<1			
L3E-2+20N		<1			
L3E-2+10N		<1			
L3E-2+00N		4			
L3E-1+90N		<1			
L3E-1+80N		<1			
L3E-1+70N		<1			
L3E-1+60N		<1			
L3E-1+50N		<1			
L3E-1+40N		2			
L3E-1+30N		<1			
L3E-1+20N		5			
L3E-1+10N		<1			
L3E-1+00N		4			
L3E-0+80N		<1			

BLACK STURGEON SOIL GEOCHEM

ROSEMAN IRON FORMATION SOIL GEOCHEM

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au Rew PPB	Au Rew PPB	Testwt gms
L3E-0+70N		2			
L3E-0+60N		<1			
L3E-0+40N		<1			
L3E-0+20N		1			
L3E-0+10N		3			
L3E-0+00N		2			
L3E-A		4			
L3E-B		8			5.00
L3E-C		9			
L4E-A		6			
L4E-B		<1			
L4E-3+40N		2			
L4E-3+30N		<2			5.00
L4E-3+20N		7			
L4E-3+10N		<1			
L4E-3+00N		7			
L4E-2+50N		7			
L4E-2+80N		4			
L4E-2+60N		4			
L4E-2+50N		2			
L4E-2+40N		3			
L4E-2+30N		12			
L4E-2+20N		2			5.00
L4E-2+10N		5			
L4E-2+00N		5			
L4E-1+90N		<2			5.00
L4E-1+80N		12			5.00
L4E-1+70N		8			5.00
L4E-1+60N		3			
L4E-1+50N		9			
L4E-1+40N		6			
L4E-1+30N		12			
L4E-1+20N		9			
L4E-1+10N		5			
L4E-1+00N		5			
L4E-0+90N		11			
L4E-0+80N		1			
L4E-0+70N		3			
L4E-0+60N		4			
L4E-0+50N		10			

ROSEMAN

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 088-52902.0 PROJECT: NONE PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au Rew PPB	Au Rew PPB	Testwt gms	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au Rew PPB	Au Rew PPB	Testwt gms
L4E-0+40N		20	73	18	ROSEMAN	L6E-3+10N		6			
L4E-0+30N		3				L6E-3+00N		7			
L4E-0+20N		3				L6E-2+90N		9			
L4E-0+10N		8				L6E-2+80N		14			
L4E-0+00N		1				L6E-2+70N		27	2	2	
L5E-3+40N		2				L6E-2+60N		6			
L5E-3+30N		2				L6E-2+50N		10			
L5E-3+20N		<1				L6E-2+40N		13			
L5E-3+10N		9				L6E-2+30N		4			
L5E-3+00N		2				L6E-2+20N		11			
L5E-2+90N		2				L6E-2+10N		6			
L5E-2+80N		4				L6E-2+00N		6			
L5E-2+70N		3				L6E-1+90N		<1			
L5E-2+60N		3				L6E-1+80N		<1			
L5E-2+50N		4				L6E-1+70N		<1			
L5E-2+40N		4				L6E-1+60N		<1			
L5E-2+30N		3				L6E-1+50N		<1			
L5E-2+20N		4				L6E-1+40N		12			
L5E-2+10N		1				L6E-1+30N		<1			
L5E-2+00N		3				L6E-1+20N		<1			
L5E-1+90N		2				L6E-1+10N		1			
L5E-1+80N		2				L6E-1+00N		<1			
L5E-1+70N		2				L6E-0+90N		29	6	8	
L5E-1+60N		6				L6E-0+80N		3			
L5E-1+50N		5				L6E-0+70N		1			
L5E-1+40N		4				L6E-0+60N		2			
L5E-1+30N		5				L6E-0+50N		9			
L5E-1+20N		5				L6E-0+40N		2			
L5E-1+10N		17				L6E-0+30N		2			
L5E-1+00N		2				L6E-0+20N		<1			
L5E-0+90N		9				L6E-0+10N		1			
L5E-0+80N		7				L6E-0+00N		2			
L5E-0+70N		11				L7E-3+10N		2			
L5E-0+60N		36	7	12		L7E-3+00N		<1			
L5E-0+50N		9				L7E-2+90N		3			
L5E-0+40N		4				L7E-2+80N		4			
L5E-0+30N		8				L7E-2+70N		3			
L5E-0+20N		5				L7E-2+60N		3			
L5E-0+10N		8				L7E-2+50N		5			
L5E-0+00N		10				L7E-2+40N		2			

XRAL

CERTIFICATE OF ANALYSIS

REPORT 5133

TO: KENORA GOLD OCCURRENCES INC.
ATTN: JOHN DUNHAM
80 RICHMOND STREET, SUITE 302
TORONTO, ONTARIO
M5H 2A4

CUSTOMER No. 1612

DATE SUBMITTED
24-May-88

REF. FILE 1469-

Total Pages 2

60 HUMUS

	METHOD	DETECTION LIMIT
AU PPB	NA	1.

CHECK HUMUS GOLD
ROSEMAN SAMPLING

X-RAY ASSAY LABORATORIES LIMITED

DATE 09-JUN-88

CERTIFIED BY .....

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD PULPS 180 DAYS ***
AND REJECTS 30 DAYS FROM DATE OF THIS REPORT

SAMPLE	AU PPB
001	30
002	8
003	21
004	24
005	21
006	160
007	99
008	28
009	40
010	17
011	17
012	15
013	17
014	17
015	11
016	15
017	12
018	13
019	3
020	14
021	9
022	9
023	22
024	13
025	13
026	12
027	15
028	12
029	11
030	11
031	5
032	6
033	8
034	9
035	11
036	6
037	11
038	9
039	15
040	12
041	~~9~~ 42
042	12
043	17
044	13
045	7
046	11
047	15
048	19
049	14
050	12

X-RAY ASSAY LABORATORIES LIMITED 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5755 Fax (416)445-4152 Tlx 06-986947

SAMPLE	AU PPB
051	8
052	11
053	11
054	2
055	9
056	10
057	10
058	7
059	8
060	8

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
Canada K
Phone: (6 9-2220
Telex: 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 017-6778 (COMPLETE)

REFERENCE INFO:

CLIENT: J.A. GOODWIN
PROJECT: NONE

SUBMITTED BY: J.A. GOODWIN
DATE PRINTED: 14-DEC-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	17	5 PPB	AQUA REGIA	FA-AA @ 30 gm weight

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	17	-200	17	CRUSH,PULVERIZE -200	17

REMARKS: 1710 WAS REC'D IN DUPLICATE AND WAS
GIVEN A&B DESIGNATION BY BCC.
< MEANS LESS THAN.
> MEANS GREATER THAN.
SIX SAMPLES WERE RE-ANALYZED IN DUPLICATE FOR
AU. THE ADDITIONAL RESULTS ARE AS FOLLOWS:

1702	2570 AND 3935	1714	73790 AND 61390
1704	1970 AND 1560	1715	33725 AND 37325
1706	1700 AND 1240	1716	12260

REPORT COPIES TO: MR. GOODWIN

INVOICE TO: MR. GOODWIN

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
Canada K 5
Phone: (6 .9-2220
Telex: 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 017-6778 | PROJECT: NONE | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS Au PPB	
1701	55	
1702	4165	
1703	<5	
1704	1380	
1705	85	
1706	170	
1707	505	
1708	<5	
1709	<5	
1710(A)	430	
1710(B)	<5	RAJAH #2 SHAFT DUMP
1711	615	RAJAH #1 SHAFT DUMP
1712	<5	"
1713	150	"
1714	>20000	PIT #4
1715	>20000	PIT #4
1716	12940	PIT #4

PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

Au Ag

Kenora Gold Occurances

ASSAY CERTIFICATE

Date: Dec. 14-88

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	15767	RAJAH DEFORMATION ZONE DRILL HOLE KGRA-88-20	Trace	
2	68	—— " ——	.01	
3	69	—— " ——	Trace	
4	70	—— " ——	"	
5	71	—— " ——	"	
6	72	—— " ——	"	
7	73	—— " ——	"	
8	74	—— " ——	"	
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

Assayer: Paul Okanski

PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

Kenora Gold Occurances Ltd. **ASSAY CERTIFICATE** Date: Jan. 3-89

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	15826	RAJAH-ROSEMAN PROPERTY: DRILL HOLE 88-21	Trace	
2	27	—— " ——	.06	
3	28	—— " ——	Trace	
4	29	DRILL HOLE 88-21	"	
5	30	—— " ——	.16	
6	31	—— " ——	Trace	
7	32	—— " ——	.10	
8	33	—— " ——	Trace	
9	34	—— " ——	"	
10	35	—— " ——	.06	
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

Assayer: Paul Okanski

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, C[illegible]o
K1J 8X5
(613) 749-2220 Telex 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 089-50098.0 (COMPLETE)

REFERENCE INFO:

CLIENT: KENORA GOLD
PROJECT: NONE

SUBMITTED BY:
DATE PRINTED: 20-JAN-89

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	79	1 PPB	AQUA REGIA	FireAssay/DC Plasma
2	Au Rew Au Rewgions	22	1 PPB		
3	Au Rew Au Rewgions	12	1 PPB		
4	Au Rew Gold Rewgions	1	1 PPB		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
Drill Core	79	-200	79	Crushed Weighed Pulp	79

REMARKS: RESULTS WERE REPEATED AQUA REG FOR SAMPLE 15544
RESULTS AS FOLLOWS: <1
< MEANS LESS THAN.

REPORT COPIES TO: 502-80 RICHMOND ST. W.
M.D. GOLD GEOLOGICAL CON.

INVOICE TO: 502-80 RICHMOND ST. W.

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 089-50036.0 | PROJECT: NONE | PAGE 1

RAJAH DEFORMATION ZONE
DRILL HOLE 88-20

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au Rew PPB	Au Rew PPB	Au Rew PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au Rew PPB	Au Rew PPB	Au Rew PPB
15775		8				15825		10			
15776		6				15826		2			
15777		3				15827		<1			
15778		5				15828		-			
15779		7				15829		5	13		
15780		3				15830		10	4		
15781		5				15831		12	5		
15782		2				15832		<1	3		
15783		2				15833		111	113		
15784		3				15834		57	51		
15785		5				15835		5	11		
15786		11				15836		5	6		
15787		12				15837		16	2		
15788		8				15838		5	7		
15789		8				15839		12	5	1	
15790		17				15840		11	2	1	
15791		6				15841		6	1	10	
15792		5				15842		8	4	2	
15793		6				15843		55	1	-	
15794		5				15844		61	2217	<1	3
15795		8				15845		116	8	5	
15796		4				15846		52	3	11	
15797		2				15847		32	5	7	
15798		1				15848		55	5	3	
15799		8				15849		11	4	<1	
15800		1				15850		65	1	1	
15801		1				15851		15			
15802		<1				15852		6			
15803		<1				15853		23			
15804		<1				15854		23			
15805		<1				15855		116			
15806		3				15856		47			
15807		<1				15857		5			
15808		<1				15858		94			
15809		<1				15859		10			
15810		1				15860		14			
15811		5				15861		12			
15812		7				15862		5			
15813		<1				15863		15			
15814		<1									

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: 088-52902.0 | PROJECT: NONE | PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au Rew PPB	Au Rew PPB	Testwt gms
L7E-2+30N		3			
L7E-2+20N		3			
L7E-2+10N		3			
L7E-2+00N		8			5.00
L7E-1+90N		8			5.00
L7E-1+80N		2			
L7E-1+70N		7			
L7E-1+60N		3			
L7E-1+50N		4			
L7E-1+40N		4			5.00
L7E-1+30N		4			
L7E-1+20N		2			
L7E-1+10N		4			
L7E-1+00N		2			
L7E-0+90N		<1			
L7E-0+80N		1			
L7E-0+70N		7			
L7E-0+60N		4			
L7E-0+50N		6			
L7E-0+40N		4			
L7E-0+30N		8			
L7E-0+20N		9			
L7E-0+10N		6			5.00
L7E-0+00N		<1			

ROSEMAN

PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

Kenora Gold XOcunrances Ltd **ASSAY CERTIFICATE** Date: Dec. 8, 1988.

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	15763	RAJAH DEFORMATION ZONE - GRAB	.16	
2	64		.02	
3	65		.02	
4	66	PRINCESS DDH KGPS-88-12	.01	
5	88-1	KGRT RAJAH DEFORMATION ZONE GRAB	.02	
6	2	" —— " ——	.01	
7	3	" —— " ——	Trace	
8	4	" —— " ——	.02	
9	5	" —— " ——	.02	
10	88-54	KGBS OLD SHAFT, 1200' N OF BLACK STURGEON	.01	
11	55	" SHAFT - GRAB SAMPLES FROM DUMP	.02	
12	56	" —— " ——	.10	
13	57	" —— " ——	.04	
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

Assayer: Paul Okanski

J. A. GOODWIN
PROJECT GENERATION AND MANAGEMENT
4219 TRELLIS CRESCENT, MISSISSAUGA, ONTARIO, CANADA. L5L 2M1
TEL: (416) 820 - 3295

CERTIFICATE OF QUALIFICATIONS

I, John A. Goodwin, do hereby swear that:

- I reside at 4219 Trellis Crescent, Mississauga, Ontario. L5L 2M1;

- My occupation is that of a consulting and contracting geologist;

- I graduated from London University, Great Britain, in 1972 with a BSc. Degree in Geology;

- I have 17 years experience as a geologist in mineral exploration and related fields, including gold exploration programs in Ontario, the Northwest Territories and abroad;

- I am a fellow of the Geological Association of Canada;

- I have no direct or indirect financial interest in the Rajah/Roseman property;

- This report is based on several visits to the property and supervision of the exploration program.

This done and signed on the 30th day of January, 1989.

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geochemical, prospecting, stripping, drilling

Township or Area Jaffray

Claim Holder(s) Kenora Gold Occurrences Inc.

Survey Company see attached list

Author of Report J.A. Goodwin, FGAC

Address of Author 4219 Trellis Cres, Miss, Ont. L5L 2M1

Covering Dates of Survey Aug. 1st to Dec. 30th, 1988.
(linecutting to office)

Total Miles of Line Cut see accompanying geophys. rpt.

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

DAYS per claim

Geophysical

--Electromagnetic _____

--Magnetometer _____

--Radiometric _____

--Other _____

(_____

Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 30-01-89 SIGNATURE: _____
Author of Report or Agent

ASSOCIATION OF CANADA · FELLOW ·

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
K	895621
	895622
	895623
	1003745
	1017839
	1017840
	1017924
	1017925
	1017926
	1017927
	1017928
	1017929
	1017930
	1017931
	1017976
	1017977

TOTAL CLAIMS _____

If space insufficient, attach list

OFFICE USE ONLY

837 (5/79)

GEOCHEMICAL SURVEY – PROCEDURE RECORD

1017839, 1017840

Numbers of claims from which samples taken

170

Total Number of Samples

Type of Sample Humus
(Nature of Material)

Average Sample Weight 200g

Method of Collection manual

Soil Horizon Sampled A

Horizon Development

Sample Depth

Terrain

Drainage Development

Estimated Range of Overburden Thickness

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis

see appendix C of report

General

~~This is for soil geochemical survey~~ only. Details of Drill and ~~trench samples given in Appendices~~ A and C of report.

ANALYTICAL METHODS

Values expressed in: per cent ☐
SEE APPENDIX C OF REPORT p.p.m. ☐
p. p. b. ☐

Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)

Others

Field Analysis (tests)

Extraction Method

Analytical Method

Reagents Used

Field Laboratory Analysis

No. (tests)

Extraction Method

Analytical Method

Reagents Used

Commercial Laboratory (tests)

Name of Laboratory

Extraction Method

Analytical Method

Reagents Used

General

CONTRACTORS AND PERSONNEL INVOLVED IN PROGRAM

GEOPHYSICS:

See accompanying geophysical report.

GEOCHEMISTRY:

G.Zeebruck, RR #1, Airport Road, Kenora, Ont. P9N 3W7

PROSPECTING, GEOLOGY AND DRILL SUPERVISION:

W.C.HOOD, Box 1722, Beausijour, Manitoba. R0E 0C0
J.A.Goodwin, 4219 Trellis Cres. Mississauga, Ontario. L5L 2M1
G.Zeebruck (see above)

DRILLING:

Kenora Soil and Drilling, Box 109, Kenora, Ont. P9N 3X1
A.Falardean, Salt Spring Is, B.C.
H.Kipling, Manigotagan, Man.
A.Brandt, Bisset,Man.
R.Ivorson, Kenora,Ont.
O.Olafson, Kenora, Ont.
G.Ivorson, Kenora,Ont.

TRENCHING:

Kenora Soil and Drilling (see above).
Devlin Timber Ltd. Kenora, Ont.
G.Zeebruck (see above).

* NOTE GEOCHEMICAL REPORT WAS A SMALL PART OF A LARGER REPORT SUBMITTED UNDER EXPENDITURE CREDITS

MAN DAYS WERE FOR COLLECTING SAMPLES ONLY

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey	Technical Days		Technical Days Credits	Line-cutting Days		Total Credits	No. of Claims	Days per Claim
GEOCHEMICAL (SAMPLING ONLY)	3	X 7 =	21	+	=	21	÷ 2	= 10.5
		X 7 =		+	=		÷	=
		X 7 =		+	=		÷	=
		X 7 =		+	=		÷	=

Ministry of Northern Development and Mines

Ontario

Report of Work

(Geophysical, Geological, Geochemical and Expenditures)

Mining Act

DOCUMENT No. W8901.

98

MINING LANDS

- Please type or print
- If number of mining claims traversed exceeds space on this form, attach a list.
- Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Type of Survey(s): REPORT - GEOCHEMICAL, TRENCHING, DRILLING, ASSAYS

Township or Area: JAFFRAY TWP

M/1992

Claim Holder(s): GEORGE R. ZEBRUCK 2.12346

Prospector's Licence No.: H10002

Address: RR#1 AIRPORT RD. KENORA ONT.

Survey Company: KENORA GOLD OCCURRENCES INC.

Date of Survey (from & to): 01 Day 01 Mo. 88 Yr. — 31 Day 01 Mo. 89 Yr.

Total Miles of line Cut:

Name and Address of Author (of Geo Technical report): J.A. GOODWIN, FGAC 4219 TRELLIS CRES., MISSISSAUGA ONT. L5L 2M1

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions: For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days: Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits: Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed: CONSULTANTS REPORT + ASSAYS

Performed on Claim(s): 895622, 1017839, 1017840

Calculation of Expenditure Days Credits

Total Expenditures: $ 8,712.85 ÷ 15 = Total Days Credits: 580.85

Instructions: Total Days Credits may be apportioned at the claim holder's discretion. Enter number of days credits per claim selected in columns at right.

Date: Apr 10/89

Recorded Holder or Agent (Signature): [signature]

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
K	895621	36.3
	895622	36.3
	895623	36.3
	1003745	36.3
	1017839	36.3
	1017840	36.3
	1017924	36.3
	1017925	36.3
	1017926	36.3
	1017927	36.3
	1017928	36.3
	1017929	36.3
	1017930	36.3
	1017931	36.3
	1017976	36.3
	1017977	36.3

Prefix	Number	Expend. Days Cr.

RECEIVED

APR 12 1989

MINING LANDS SECTION

APR 10 1989

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES

MAY 18 1989

RECEIVED

Total number of mining claims covered by this report of work: 16

895621

For Office Use Only

Total Days Cr. Recorded: 580.85

Date Recorded: Apr 10/89

Mining Recorder: Scott Rivett

Date Approved as Recorded: May 16 1989

Approved by: [signature]

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in this 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: GEORGE R ZEBRUCK RR#1 AIRPORT RD. KENORA ONT. P9N 3W7

Date Certified: Apr 10/89

Certified by (Signature): [signature]

1362 (88/12)

Ministry of Northern Development and Mines
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

DOC WR

52E16SW0046 2.12346 JAFFRAY

W8901-96

Mining Act

LANDS — Do not use shaded areas below.

900

Type of Survey(s)
GEOCHEMICAL

Township or Area
JAFFRAY M 1992

2.12346

Claim Holder(s)
GEORGE R. ZEBRUCK

Prospector's Licence No.
H10002

Address
RR#1 AIRPORT RD. KENORA ONT.

Survey Company
KENORA GOLD OCCURRENCES INC.

Date of Survey (from & to): 04 Day | 01 Mo. | 89 Yr. | 31 Day | 01 Mo. | 89 Yr.

Total Miles of line Cut

Name and Address of Author (of Geo-Technical report)
J.A. GOODWIN, FGAC 4219 TRELLIS CRES MISSISSAUGA ONT. L5L 2M1

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	[redacted]
Man Days		**Days per Claim**
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	10.5
Airborne Credits		**Days per Claim**
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K	1017839	
	1017840	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
APR 12 1989
MINING LANDS SEC

APR 20 1989

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work: 2

1003 745

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
21	Apr 10/89	Rivett
	Date Approved as Recorded: 12 May 89 R.M.	Branch Director:

Apr 10/89 — Recorded Holder or Agent (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
GEORGE R. ZEBRUCK RR#1 AIRPORT RD.
KENORA ONT. P9N 3W7

Date Certified: Apr 10/89

Certified by (Signature)

6/12)

* NOTE GEOCHEMICAL REPORT WAS A SMALL PART OF A LARGER REPORT SUBMITTED UNDER EXPENDITURE CREDITS

— MAN DAYS WERE FOR COLLECTING SAMPLES ONLY

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey: GEOCHEMICAL (SAMPLING ONLY)

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
3	X	7	=	21	+		=	21	÷	2	=	10.5

Type of Survey:

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		÷		=	

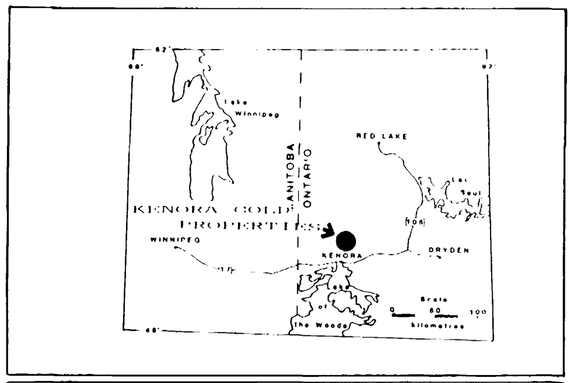
Type of Survey:

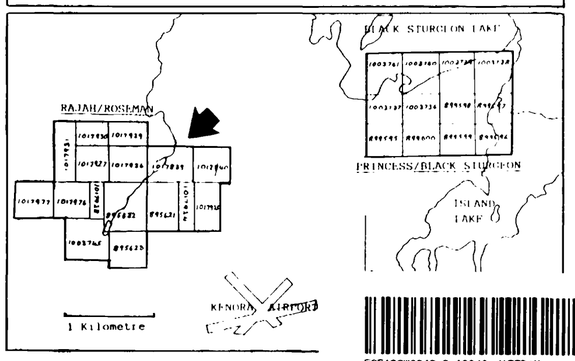
Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		÷		=	

Type of Survey:

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		÷		=	

L 2+00 W
L 1+00 W
0+00
L 1+00 E
L 2+00 E
L 3+00 E
L 4+00 E
L 10+00 N BASELINE
L 3+00 W
L 4+00 W
L 5+00 W
L 6+00 W
L 7+00 W
L 8+00 W
L 9+00 W
L 10+00 W
L 11+00 W
TIELINE 12+00 N
BASELINE 10+00 N
L 5+00 E
L 6+00 E
L 7+00 E
L 8+00 E
0+00 BASELINE
ROSEMAN VEIN
0.16
0.29
0.31
0.29
0.20
KGRS-88-21
88-22
ROSEMAN IRON FORMATION
0.28
0.36
0.06
0.01
tr
tr
tr
0.02
0.01
tr
0.02
0.02
KGRS-88-20
RAJAH SHAFT #1
0.01
0.01
0.02
0.01
tr
tr
tr
tr
PIT #4 TRENCH
0.38
3.84
1.17
0.30
0.01
0.01
tr
0.01
0.12
RAJAH SHAFT #2
tr
tr
tr
tr
TIELINE 4+00 N
BASELINE 0+00
L 9+00 W
L 8+00 W
L 7+00 W
L 6+00 W
L 5+00 W
L 4+00 W
L 3+00 W
L 2+00 W
L 1+00 W
0+00
L 1+00 E
L 2+00 E
L 3+00 E
L 4+00 E
L 5+00 E
L 6+00 E
L 7+00 E
L 8+00 E





52E16SW0046 2.12346 JAFFRAY

200

LEGEND

- 1988 drill hole
- 1988 trench
- Old trench resampled
- Shaft
- Location of grab sample
- Gold value in oz/ton
  All assays of grab samples

2.12346

Scale 1:5000

500 0 500 1000 feet

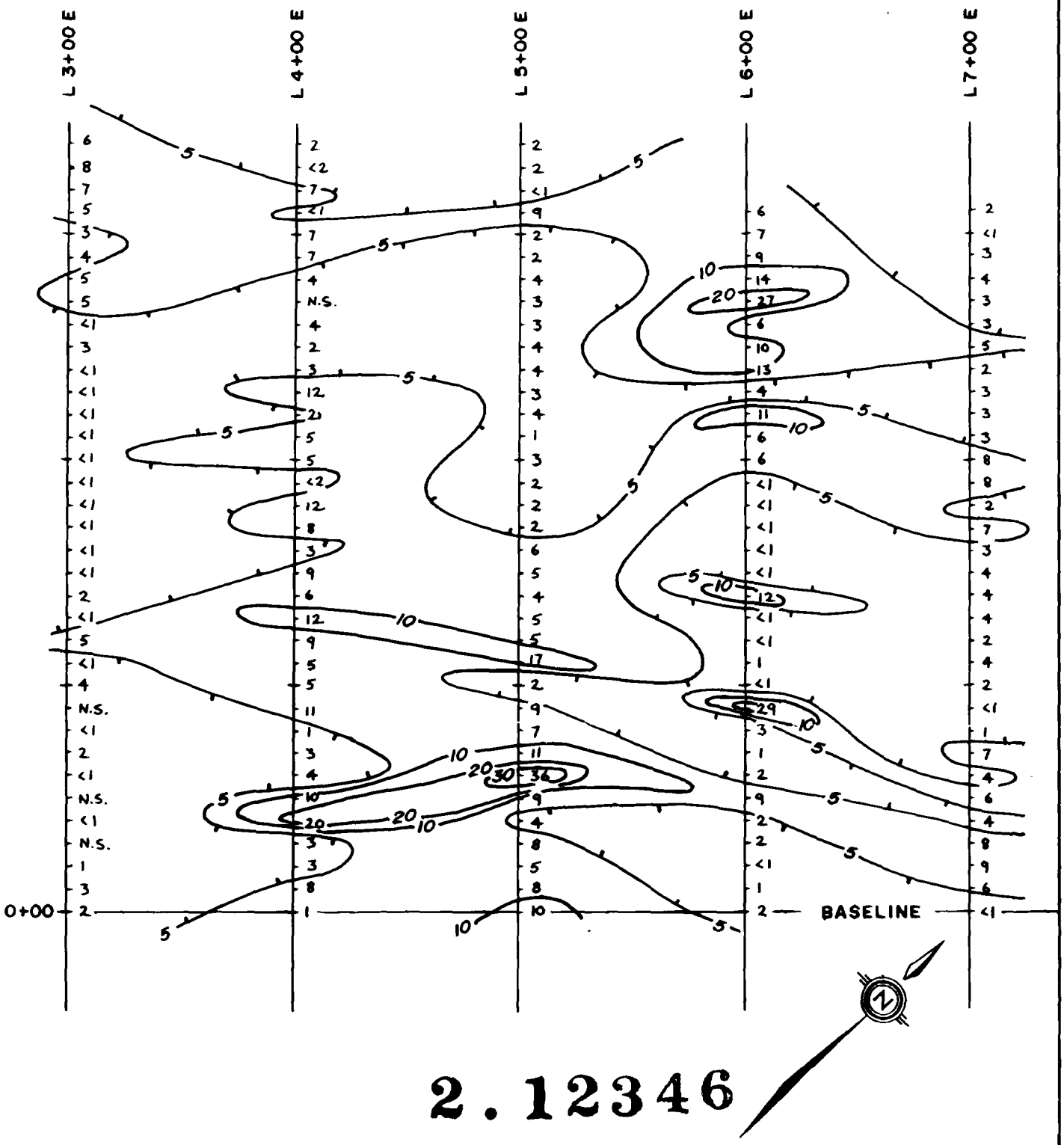
100 50 0 100 200 300 metres

KENORA GOLD OCCURRENCES INC.

RAJAH/ROSEMAN PROPERTY
Jaffray Township, District of Kenora
Northwestern Ontario

LOCATION OF 1988 TRENCHES DRILL HOLES AND GRAB SAMPLES

DATE: JAN. 1989 | SCALE: 1:5000 | MAP # 2



2.12346

NOTE: VALUES = ppb Au IN HUMUS

52E16SW0046 2.12346 JAFFRAY

210

0 50 100 150 m

0 100 200 300 ft.

KENORA GOLD OCCURRENCES INC.

RAJAH/ROSEMAN PROPERTY

Jaffray Township, District of Kenora
Northwestern Ontario

GEOCHEMICAL SAMPLING GOLD IN HUMUS ROSEMAN IRON FORMATION

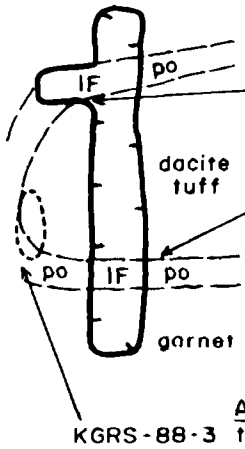
DATE: JAN. 1989	SCALE: 1 2500	FIGURE # 1

L 5+00 E

L 6+00 E

L 7+00 E

ROSEMAN IRON FORMATION TRENCH



KGRS-88-2 Au tr.

KGRS-88-1 Au tr.

KGRS-88-3 Au tr.

ROSEMAN VEIN TRENCH

KBRS-88-21
88-22

ROSEMAN QUARTZ VEIN
(HOST: MAFIC VOLCANICS)

2.12346

0+00 — BASELINE

52E16SW0046 2.12346 JAFFRAY

220

m 0 50 100m

ft. 0 100 200 300 ft.

LEGEND

IF	IRON FORMATION
po	PYRRHOTITE
py	PYRITE
cpy	CHALCOPYRITE
mo	MOLYBDENITE
	DRILL HOLE
	TRENCH
	QUARTZ VEIN
Au tr.	GOLD VALUE IN oz./ton

KENORA GOLD OCCURRENCES INC.

RAJAH/ROSEMAN PROPERTY
Jaffray Township, District of Kenora
Northwestern Ontario

ROSEMAN OCCURRENCES TRENCH GEOLOGY & SAMPLING

DATE: JAN. 1989 | SCALE: 1 | FIGURE # 3

South

4+00N

North

SURFACE

88-20

-50'

-100'

12

0.01
3.5

13

14

15

7

15

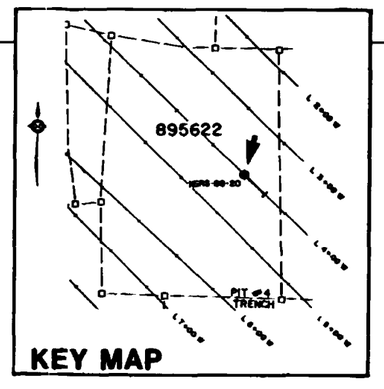
88-20 (257')

2.12346

LEGEND

1. Granodiorite
2. Sheared granodiorite
3. Quartz vein
4. Diorite
5. Sheared & altered diorite
6. Intermediate dyke
7. Mafic volcanic
8. Granite aplite
9. Sheared & altered mafic volcanic
10. Felsic sill
11. Calcite vein & Magnetite, sulphides
12. Gabbro
13. Andesite fragmental
14. Carbonatized andesite fragmental
15. Dacitic tuff

0.10 oz/ton Au
4.2 sample length (feet)



KEY MAP

52E16SW0046 2.12346 JAFFRAY

230

SCALE 1" = 20'

0 10 20 30 40 50 FT

KENORA GOLD OCCURRENCES INC.

RAJAH/ROSEMAN PROPERTY

Jaffray Township, District of Kenora
Northwestern Ontario

Diamond Drill Hole Cross-Section 4+00 W

DDH# 88-20

LOOKING NORTH

DATE JAN 1989	SCALE: 1" = 20'	FIGURE # 4

88-20

GABBRO

0.01

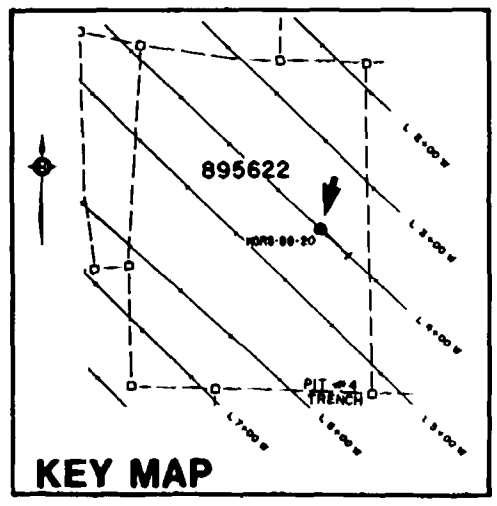
tr tr tr

SHEARED, CARBONATIZED
ANDESITE / DACITE FRAGMENTALS

tr tr

tr

DACITE TUFF



LEGEND

88-20

DRILL HOLE

FIRE ASSAY RESULT:
oz/t Au OVER INDICATED
CORE LENGTH.

GEOCHEMICAL
ANALYSIS RESULT.
F AA/PLASMA, ppb Au OVER
INDICATED CORE LENGTH.

Graphed at scale 1" = 40 ppb Au.

—♦— Axis of geophysical anomaly.

2237 ppb
(0.074 oz/t)

52E16SW0046 2.12346 JAFFRAY

240

SCALE IN FEET
10 0 10 20 30 40 60

2.12346

KENORA GOLD OCCURRENCES INC.		
RAJAH/ROSEMAN PROPERTY Jaffray Township, District of Kenora Northwestern Ontario		
DRILL SECTION 4+00 W, DDH-88-20 ANALYSIS RESULTS RAJAH DEFORMATION ZONE		
DATE: JAN. 1989	SCALE: 1" = 20'	MAP # 4A

South

North

BL 0 | 0+50 N | 1+00 N | 1+50 N | 2+00 N | 2+50 N

SURFACE

-50'

-100'

-150'

88-21
88-22

7

7

0.06 / 2.9 — 3

7

88-21
(87')

0.16 / 0.1 — QV

0.1 / 1.0

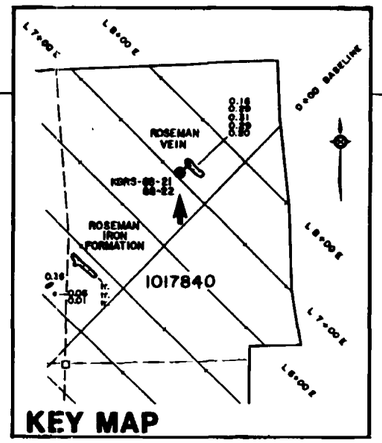
7

QV

0.06 / 1.0 — QV

7

88-22
(127')



KEY MAP

2.12346

LEGEND

1. Granodiorite
2. Sheared granodiorite
3. Quartz vein
4. Diorite
5. Sheared & altered diorite
6. Intermediate dyke
7. Mafic volcanic
8. Granite aplite
9. Sheared & altered mafic volcanic
10. Felsic sill
11. Calcite vein & Magnetite, sulphides
12. Gabbro
13. Andesite fragmental
14. Carbonatized andesite fragmental
15. Dacitic tuff

0.10 / 4.2 — oz/ton Au / sample length (feet)

250

SCALE 1" = 20'

0 10 20 30 40 50 FT

KENORA GOLD OCCURRENCES INC.

RAJAH/ROSEMAN PROPERTY

Jaffray Township, District of Kenora
Northwestern Ontario

Diamond Drill Hole Cross-Section 7+05 E

DDH# 88-21,88-22

LOOKING NORTH

DATE JAN 1989	SCALE 1" = 20'	FIGURE # 5

POND

Hwy. 804

Pits

Skillida Zone

SHAFT

SHAFT 2

FELSITE DIKE .16

N

LEGEND

Au. Oz./Ton	Year	By
(.70)	1979	G. Zebruck
[1.91]	1986	O.B.D. Geologist
.38	1987	J Goodwin
.30	1988	Kenora Gold

2.12346

KENORA GOLD OCCURRENCES INC.				
Rajah Project Jaffray Twp Kenora Ontario PRELIMINARY MAPPING & SAMPLING				KG
MAP A-3	DATE 13/05/88	BY G.R.Z.	SCALE 1-1250	NTS 52-E-16

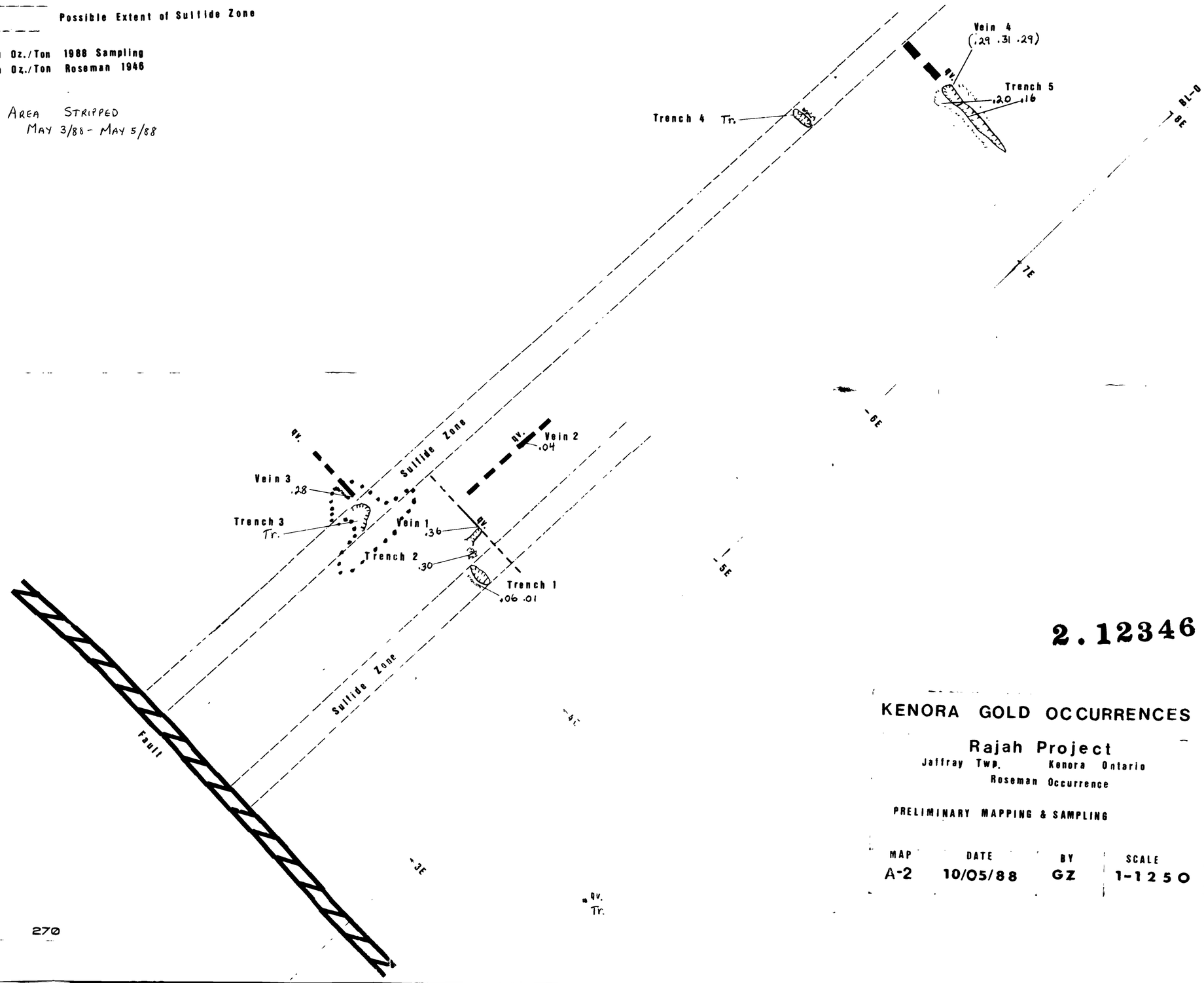
LEGEND

Interpreted Fault

Possible Extent of Sulfide Zone

.36 Au Oz./Ton 1988 Sampling
(.31) Au Oz./Ton Roseman 1946

AREA STRIPPED
MAY 3/88 - MAY 5/88



2.12346

KENORA GOLD OCCURRENCES INC.

Rajah Project

Jaffray Twp. Kenora Ontario

Roseman Occurrence

PRELIMINARY MAPPING & SAMPLING

MAP	DATE	BY	SCALE	NTS
A-2	10/05/88	GZ	1-1250	52-E-16