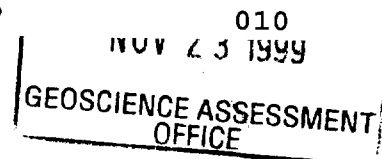




41P12SW2004 2.19743 YEO

**WEST CLAM LAKE PROPERTY
YEO TOWNSHIP**

2.19743



PROPERTY GEOLOGY

The West Clam Lake Property is situated in the extreme southern part of Swayze Greenstone Belt, approximately 110 km southwest of Timmins, and 140 km northwest of Sudbury.

According to government geological maps, the property area covers the western part an irregular shaped granitic intrusive body which is approximately 10 miles long (in an east - west direction) and up to 4 miles wide (in a north south direction). As documented on the attached geological sketches, this felsic intrusive body separates two metavolcanic-sedimentary limbs. The northern most volcanic limb is located just to the north of the northern boundary of the West Clam Lake property. This northern limb strikes easterly along the Chester - Neville township boundary, into St. Louis and Groves Townships and beyond. This volcano-sedimentary horizon has been commonly interpreted to represent the western continuation of the Kirkland Lake Belt. The southern volcano - sedimentary limb lies just to the south of the southern boundary of the West Clam Lake Property. This southern limb strikes in a southeasterly direction a short distance into Chester Township before it is truncated by felsic intrusive rocks.

The entire West Clam Lake Property is underlain by felsic to intermediate intrusive rocks - ranging from trondjemite to granodiorite in composition. These rocks are Precambrian in age, and are medium to coarse grained, equigranular and weather from white to very light grey in colour. Typically these rocks are generally massive, and quite homogeneous in texture and composition.

A total of 50 samples from the West Clam Lake Property were collected and sent to Swastika Laboratories for gold analysis. Values returned rang from <0.001 to 1.33 oz Au per ton.

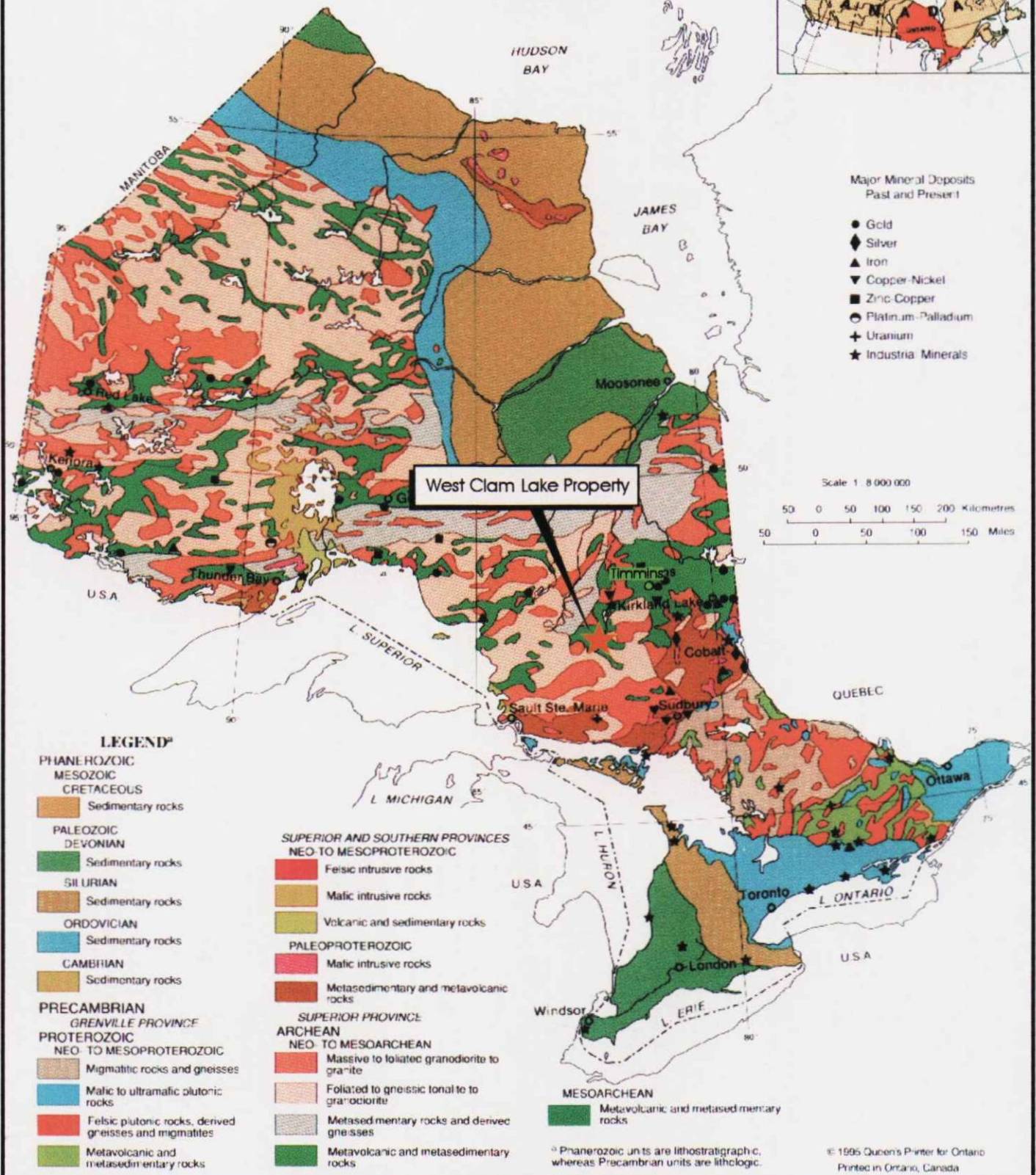
Gold mineralization on the West Clam Lake Property was found to occur in either of two distinctly different yet likely related geological settings:

- Periodic quartz and quartz carbonate veins mineralized with variable amount sulphides are hosted within the felsic intrusive body. These are likely crack -seal features, and generally strike in an east - west direction. A grab sample (sample

no. 27755 - Trench A) of white sugary quartz material mineralized with 30 to 40% disseminated and banded pyrite returned a value of 0.290 oz Au per ton.

- Several east -west striking rusty sulphide zones are situated on the West Clam Lake property. These sulphide zones, which likely representing sulfide filled fractures, generally strike in an east - west direction and range from 1 inch to 2 feet in width.. A grab sample of a 10 cm wide semi-massive pyrite seam (sample no. 27780 - trench E) containing 50 to 60% pyrite returned a value of 1.33 oz Au per ton.

GEOLOGY AND PRINCIPAL MINERALS OF ONTARIO

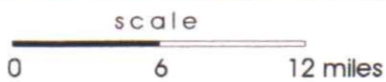
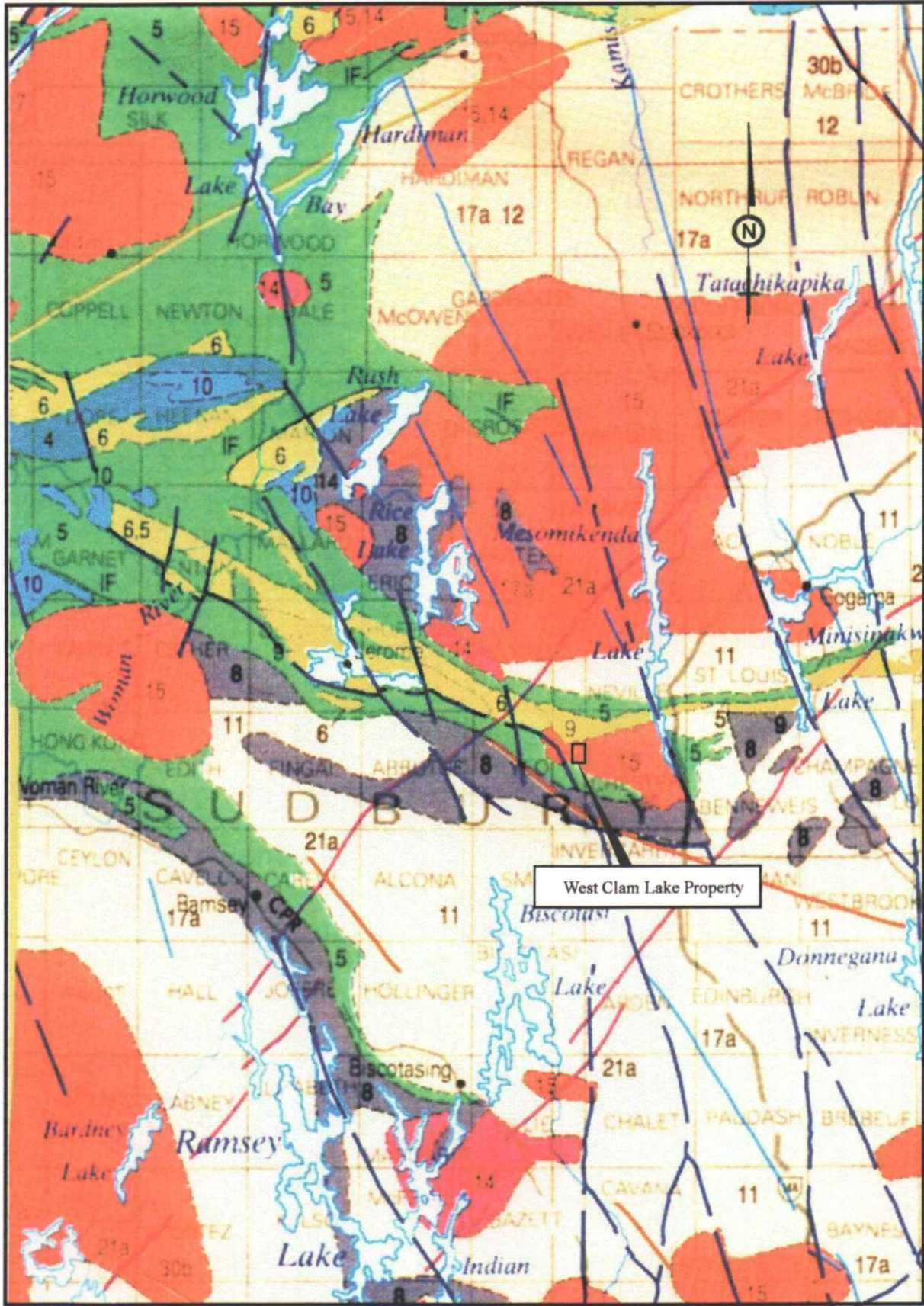


R. Duess

West Clam Lake Property

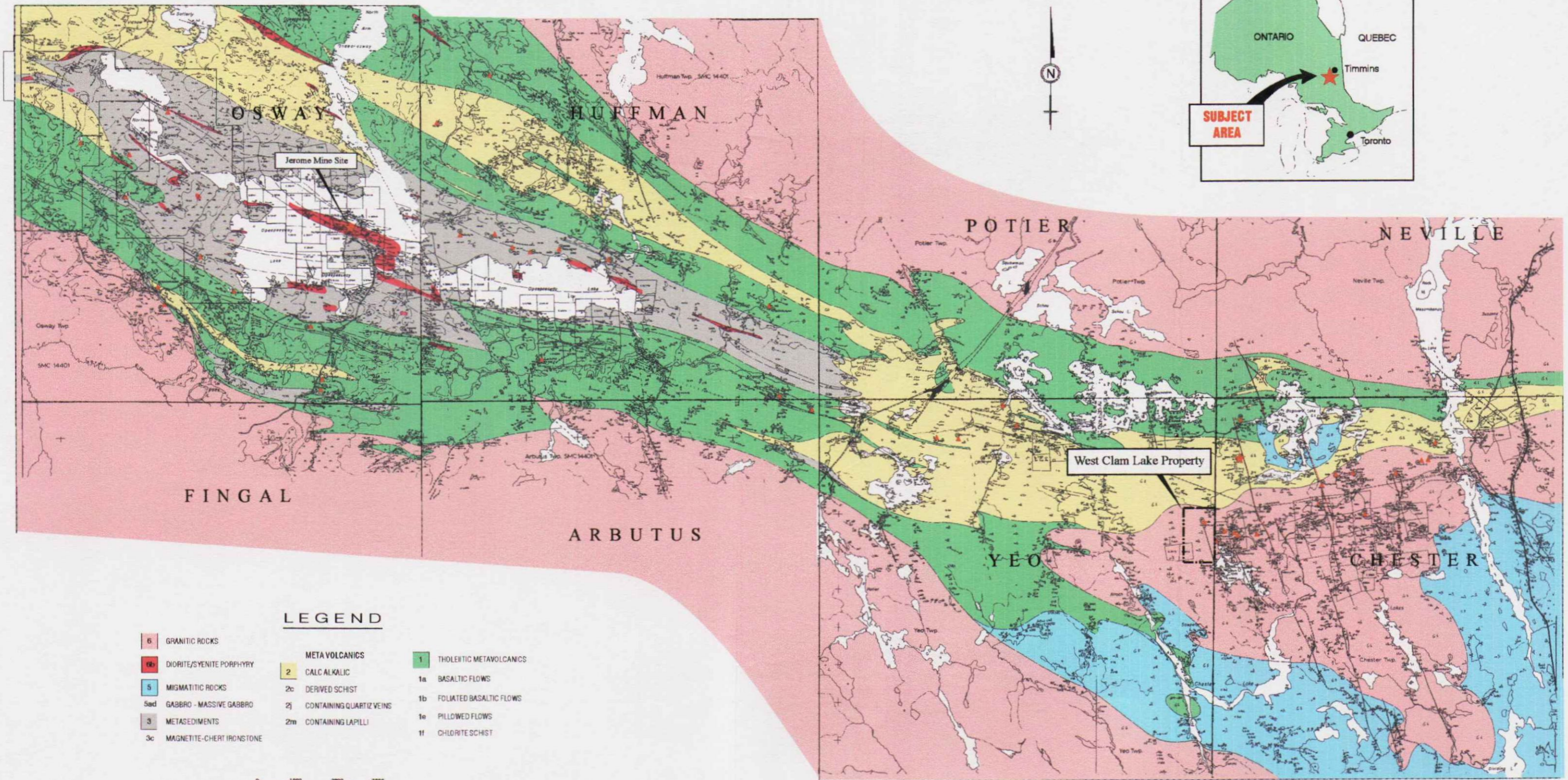
Figure 1
Property Location Map

EAST SWAYZE AREA



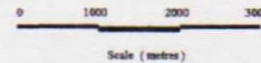
From: Ontario Geological Survey 1991. Bedrock geology of Ontario, east-central sheet; Ontario Geological survey, Map 2543.

EAST SWAYZE AREA



LEGEND

- | | | |
|------------------------------|----------------------------|----------------------------|
| 6 GRANITIC ROCKS | META VOLCANICS | 1 THOLEIITIC METAVOLCANICS |
| 6b DIORITE/SYENITE PORPHYRY | 2 CALC ALKALIC | 1a BASALTIC FLOWS |
| 5 MIGMATITIC ROCKS | 2c DERIVED SCHIST | 1b FOLIATED BASALTIC FLOWS |
| 5ad GABBRO - MASSIVE GABBRO | 2j CONTAINING QUARTZ VEINS | 1e PILLOWED FLOWS |
| 3 METASEDIMENTS | 2m CONTAINING LAPILLI | 1f CHLORITE SCHIST |
| 3c MAGNETITE-CHERT IRONSTONE | | |



From:
 Sigusa, G.M. 1993, Geology geochemistry and mineralization of the southern margin of the Swayze belt; Ontario Geological Survey, Open File Report 5844, 144p.



Swastika Laboratories

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Established 1928

Page 1 of 2

Assay Certificate

9W-2309-RA1

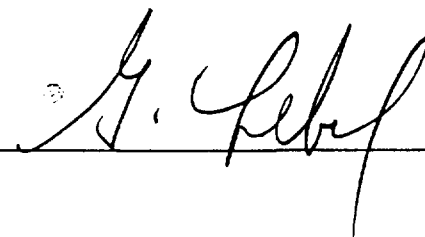
Company: **R. DUESS GEOLOGICAL SERVICES**
Project: **YEO**
Attn: **R. Duess**

Date: SEP-02-99

We hereby certify the following Assay of 50 Rock samples submitted AUG-20-99 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton	Cu %	Multi Element	WRA -
27751	0.061	-	-	-	Results	Results
27752	0.098	0.102	-	-	to	to
27753	0.015	-	-	-	follow	follow
27754	0.029	-	-	-		
27755	0.290	0.274	-	-		
27756	0.009	-	-	-		
27757	<0.001	-	-	-		
27758	<0.001	-	-	-		
27759	<0.001	-	-	-		
27760	<0.001	-	-	-		
27761	0.001	-	-	-		
27762	0.008	-	-	-		
27763	0.002	-	-	-		
27764	<0.001	-	-	-		
27765	<0.001	-	-	-		
27766	0.001	-	-	-		
27767	<0.001	-	-	-		
27768	<0.001	-	-	-		
27769	0.001	0.001	-	-		
27770	0.003	-	-	-		
27771	<0.001	-	-	-		
27772	0.001	-	-	-		
27773	<0.001	-	-	-		
27774	0.178	0.182	-	-		
27775	0.034	-	-	-		
27776	0.010	-	-	-		
27777	0.003	-	-	-		
27778	<0.001	-	-	-		
27779	<0.001	-	-	-		
27780	1.33	1.01	1.31	-		

One assay ton portion used.

Certified by 



Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Established 1928

Page 2 of 2

Assay Certificate

9W-2309-RA1

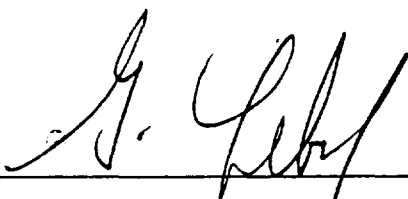
Company: **R. DUESS GEOLOGICAL SERVICES**
Project: YEO
Attn: R. Duess

Date: SEP-02-99

We hereby certify the following Assay of 50 Rock samples submitted AUG-20-99 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton	Cu %	Multi Element	WRA
27781	0.095	-	-	1.16	-	-
27782	0.087	0.072	-	-	-	-
27783	0.003	-	-	-	-	-
27784	0.010	-	-	-	-	-
27785	0.005	-	-	-	-	-
27786	0.006	-	-	-	-	-
27787	0.001	-	-	-	-	-
27788	0.185	-	-	-	-	-
27789	0.002	-	-	-	-	-
27790	0.004	-	-	-	-	-
27791	0.147	0.161	-	-	-	-
27792	0.001	-	-	-	-	-
27793	0.029	-	-	0.96	-	-
27794	0.003	-	-	-	-	-
27795	0.031	-	-	1.17	-	-
27796	<0.001	-	-	-	-	-
27797	<0.001	<0.001	-	-	-	-
27798	0.024	-	-	-	-	-
27799	<0.001	-	-	-	-	-
27800	0.003	-	-	-	-	-

One assay ton portion used.

Certified by 

TSL Assayers Swastika

1 Cameron Ave., Swastika, Ontario, P0K 1T0

Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 9W2309 RJ

Date : Aug-30-99

R. DUESS GEOLOGICAL SERVICES

Attention: R. Duess

Project: YEO

Sample: Rock

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
27751	30.2	0.27	80	20	<0.5	160	0.21	<1	133	578	4555	11.91	0.10	0.02	100	4	0.01	29	1150	234	10	<1	<10	8	0.04	14	<10	6	75	19
27752	68.6	0.31	235	30	<0.5	1180	0.27	10	224	112	2483	>15.00	0.20	0.05	710	<2	0.01	13	480	692	10	<1	<10	5	0.09	28	10	<1	3639	23
27753	6.8	0.04	<5	<10	<0.5	25	0.01	2	4	794	2339	4.35	0.01	<0.01	120	10	0.01	19	120	26	10	<1	<10	1	<0.01	5	<10	<1	218	5
27754	7.2	0.20	200	30	<0.5	70	0.07	<1	88	266	232	10.23	0.18	0.01	105	14	0.01	15	250	82	5	<1	<10	9	0.11	12	<10	2	20	20
27755	30.2	0.40	25	30	<0.5	120	0.06	3	43	192	2499	7.10	0.25	0.02	105	10	0.01	9	430	114	5	<1	<10	4	0.16	9	10	2	635	33
27756	2.4	0.33	20	20	<0.5	<5	0.28	<1	12	209	648	6.18	0.19	0.09	1205	4	0.01	11	180	24	5	<1	<10	6	0.13	9	<10	3	147	14
27757	0.4	0.37	<5	30	<0.5	<5	0.51	1	22	295	392	6.91	0.25	0.12	650	4	0.01	10	390	16	5	1	<10	13	0.15	9	<10	11	215	18
27758	0.4	0.48	<5	30	<0.5	<5	0.15	<1	11	186	405	5.10	0.25	0.06	175	6	0.01	7	320	14	5	<1	<10	5	0.16	7	<10	4	31	22
27759	<0.2	0.57	<5	40	<0.5	<5	1.47	<1	5	350	7	1.74	0.21	0.17	350	4	0.02	7	280	8	5	<1	<10	26	0.15	3	<10	11	34	15
27760	<0.2	0.21	<5	10	<0.5	<5	0.34	<1	1	441	3	0.79	0.05	0.09	115	6	0.02	13	60	2	5	<1	<10	6	<0.01	1	<10	3	19	4
27761	1.4	0.41	<5	20	<0.5	<5	0.30	<1	12	264	590	4.75	0.16	0.05	160	6	0.01	10	170	12	5	<1	<10	3	0.05	5	<10	4	5	27
27762	2.8	1.08	<5	20	<0.5	<5	0.05	<1	4	316	2257	3.72	0.08	0.40	195	6	0.03	8	200	26	5	<1	<10	3	<0.01	4	<10	2	86	16
27763	0.4	0.32	<5	30	<0.5	<5	0.75	<1	9	377	439	2.34	0.19	0.06	225	4	0.01	9	380	10	5	1	<10	12	0.12	3	<10	11	16	17
27764	0.4	0.50	<5	30	<0.5	<5	0.26	<1	11	197	170	2.91	0.17	0.08	120	4	0.03	7	240	10	<5	<1	<10	4	0.09	4	<10	5	18	19
27765	<0.2	0.50	<5	30	<0.5	<5	0.49	<1	8	163	47	2.09	0.09	0.09	165	2	0.02	6	140	6	<5	<1	<10	5	0.12	3	<10	7	14	19
27766	0.6	0.13	50	10	<0.5	5	0.11	<1	27	477	133	3.21	0.02	0.05	55	6	0.02	23	50	34	5	<1	<10	2	<0.01	4	<10	1	32	5
27767	<0.2	1.71	<5	30	<0.5	<5	0.27	<1	7	211	248	6.61	0.11	0.40	250	4	0.01	14	280	10	<5	2	<10	5	0.16	12	<10	10	26	18
27768	<0.2	0.46	<5	30	<0.5	<5	0.17	<1	2	426	6	1.53	0.11	0.16	170	8	0.02	11	240	2	5	<1	<10	7	0.05	3	<10	5	19	9
27769	0.4	0.26	5	30	<0.5	5	0.03	<1	6	186	139	7.31	0.10	0.03	65	2	0.02	14	180	76	5	<1	<10	9	0.01	11	<10	<1	12	13
27770	0.4	0.13	20	<10	<0.5	<5	2.50	3	2	402	102	1.80	0.01	0.08	370	6	0.02	16	60	38	5	<1	<10	57	<0.01	3	<10	6	290	3
27771	0.4	0.41	<5	30	<0.5	<5	3.65	1	11	385	170	4.54	0.18	1.22	1205	4	0.01	37	190	10	5	2	<10	149	0.02	10	<10	2	59	6
27772	<0.2	0.92	<5	140	<0.5	<5	0.47	<1	15	115	7	3.91	0.75	0.62	365	2	0.02	16	1130	6	<5	2	<10	46	0.31	37	<10	5	93	36
27773	<0.2	0.24	<5	70	<0.5	<5	0.14	1	7	188	100	1.29	0.16	0.06	135	4	0.06	16	230	86	<5	1	<10	11	0.10	3	<10	5	234	15
27774	16.4	0.21	<5	50	<0.5	10	0.09	2	7	490	7901	2.78	0.20	0.04	60	4	0.02	11	360	16	5	<1	<10	3	0.01	3	<10	3	109	11
27775	0.2	0.64	<5	80	<0.5	<5	2.22	1	18	414	127	3.75	0.52	0.98	770	4	0.01	72	140	36	5	3	<10	74	0.14	24	<10	2	108	14
27776	21.6	0.30	<5	40	<0.5	5	0.34	1	8	247	5347	5.26	0.20	0.13	180	10	0.02	13	440	18	5	<1	<10	11	0.04	6	<10	3	113	18
27777	6.6	0.17	<5	40	<0.5	5	0.02	1	2	277	3670	1.06	0.20	0.01	25	4	0.01	6	160	8	5	<1	<10	3	0.01	1	<10	2	28	18
27778	0.4	0.43	<5	50	<0.5	<5	0.04	<1	167	384	140	7.93	0.24	0.10	170	4	0.02	15	340	16	5	<1	<10	7	0.11	13	<10	5	19	12
27779	0.2	0.43	<5	60	<0.5	<5	0.07	<1	7	138	118	3.73	0.28	0.09	190	2	0.02	5	370	6	5	1	<10	5	0.18	8	<10	5	20	10
27780	10.4	0.47	75	40	<0.5	110	0.10	<1	46	282	232	>15.00	0.16	0.13	190	8	0.01	23	300	48	10	<1	<10	2	0.04	23	<10	7	14	18

A 5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.



RUESS GEOLOGICAL SERVICES

Attention: R. Dues

Project: YEO

Sample: Rock

TSL Assayers Swastika

1 Cameron Ave., Swastika, Ontario, P0K 1T0

Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 9W2309 RJ

Date : Aug-30-99

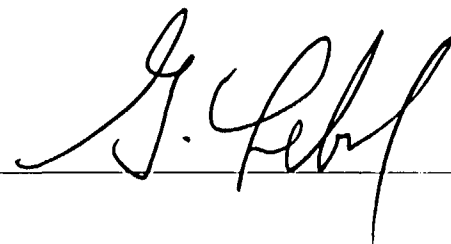
MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
27781	3.2	0.63	10	40	<0.5	<5	0.11	4	4	269	>10000	4.44	0.28	0.11	200	72	0.01	7	840	20	<5	1	<10	3	0.19	6	<10	8	448	10
27782	0.8	0.59	<5	10	<0.5	315	0.13	<1	180	299	361	>15.00	0.02	0.19	410	2	0.01	29	380	40	10	<1	<10	3	0.03	26	<10	5	27	17
27783	<0.2	0.28	10	50	<0.5	<5	0.07	<1	38	211	243	3.66	0.25	0.02	145	4	0.01	7	310	8	5	<1	<10	3	0.12	5	<10	14	7	12
27784	0.2	0.31	<5	50	<0.5	<5	0.14	<1	17	223	242	5.36	0.25	0.04	190	10	0.01	8	700	10	5	1	<10	11	0.26	8	<10	14	3	21
27785	<0.2	1.25	5	60	<0.5	<5	0.19	<1	14	233	426	5.32	0.28	0.44	255	4	0.02	10	510	8	5	3	<10	6	0.14	10	<10	31	44	13
27786	2.0	0.95	<5	90	<0.5	<5	0.46	1	11	205	828	4.07	0.34	0.36	350	2	0.05	12	530	16	<5	3	<10	8	0.27	13	<10	22	62	11
27787	<0.2	1.39	5	20	<0.5	<5	1.51	<1	9	119	19	7.00	0.09	0.58	575	4	0.07	9	780	12	<5	6	<10	26	0.36	25	<10	47	97	13
27788	0.4	0.37	15	40	<0.5	25	0.09	<1	27	392	324	3.42	0.31	0.05	165	4	0.01	15	370	8	5	<1	<10	2	0.18	5	<10	8	15	11
27789	<0.2	0.43	85	50	<0.5	<5	0.05	<1	8	195	254	4.06	0.36	0.06	80	4	0.01	9	270	10	5	<1	<10	2	0.10	6	<10	3	8	14
27790	<0.2	0.52	<5	50	<0.5	<5	0.62	1	4	251	88	2.58	0.30	0.14	325	2	0.03	10	310	8	5	<1	<10	9	0.13	6	<10	7	36	12
27791	1.4	0.36	15	50	<0.5	60	0.04	<1	17	212	487	3.30	0.32	0.04	80	4	0.01	9	220	12	<5	<1	<10	2	0.08	5	<10	2	10	11
27792	0.2	0.45	<5	40	<0.5	5	0.27	2	7	208	199	10.74	0.26	0.04	610	<2	0.01	10	250	20	5	<1	<10	2	0.04	13	<10	5	984	52
27793	19.6	0.37	695	10	<0.5	<5	0.10	<1	14	340	>10000	3.38	0.13	0.22	165	6	0.01	18	450	18	5	1	<10	2	0.01	6	<10	3	157	7
27794	1.8	0.30	15	30	<0.5	5	0.05	<1	11	370	1413	3.78	0.21	0.04	100	4	0.01	19	220	10	5	<1	<10	3	0.05	5	<10	10	9	18
27795	21.2	0.80	970	20	<0.5	<5	0.65	<1	14	255	>10000	4.93	0.38	0.62	620	2	0.01	24	610	22	10	1	<10	5	0.02	14	<10	6	198	13
27796	<0.2	0.69	5	50	<0.5	<5	0.11	<1	5	218	169	3.11	0.21	0.15	110	2	0.04	8	190	8	5	1	<10	6	0.12	7	<10	9	14	17
27797	1.8	0.05	<5	10	<0.5	35	0.09	2	225	30	308	>15.00	0.02	0.02	805	<2	<0.01	91	390	68	15	<1	<10	1	<0.01	45	<10	<1	5	26
27798	1.4	0.40	5	40	<0.5	5	0.02	<1	7	450	806	3.03	0.26	0.06	80	4	0.01	10	130	12	5	<1	<10	2	0.01	4	<10	3	9	15
27799	0.2	2.25	<5	20	0.5	<5	0.10	<1	27	155	18	7.53	0.09	1.52	185	4	0.03	16	310	12	5	5	<10	3	0.01	40	<10	3	36	25
27800	0.8	0.62	<5	50	<0.5	5	0.02	<1	5	262	175	4.54	0.27	0.05	70	4	0.01	10	110	12	5	<1	<10	1	0.03	6	<10	1	11	19

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed



R. DUESS GEOLOGICAL SERVICES

Attention: R. Duess

Project: YEO

Sample: Rock

TSL Assayers Swastika

1 Cameron Ave., Swastika, Ontario, P0K 1T0

Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 9W2309 RL

Date : Aug-30-99

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	Na ₂ O %	TiO ₂ %	K ₂ O %	MnO %	P ₂ O ₅ %	LOI %	Ba ppm	Sr ppm	Zr ppm	Sc ppm	Y ppm	Be ppm	Co ppm	Cr ppm	Cu ppm	Ni ppm	V ppm	Zn ppm	Rb %	Nb ppm	Total %
27758	71.80	12.16	7.63	0.21	0.33	0.09	0.40	3.74	0.02	0.06	3.33	390	<10	300	5	35	5	10	215	310	10	15	40	0.02	<10	99.92
27765	75.82	12.38	3.39	0.72	0.26	2.15	0.28	2.57	0.02	0.01	1.94	340	10	350	5	65	<5	5	140	<5	20	5	10	0.01	<10	99.66
27772	61.71	16.99	6.15	0.73	1.41	4.56	0.71	3.59	0.05	0.23	3.23	1130	210	210	10	15	5	15	120	<5	15	105	50	0.02	<10	99.58
27786	69.66	13.54	5.80	1.36	0.63	5.12	0.52	1.24	0.05	0.10	1.34	400	60	240	5	45	5	10	205	795	15	25	45	0.01	<10	99.57

Sample is fused with Lithium Metaborate and dissolved in dilute HNO₃

Signed





41P12SW2004 2.19743 YEO

020

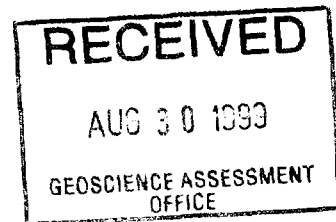
WEST CLAM LAKE PROPERTY: YEO TOWNSHIP

SAMPLE DESCRIPTION - LOCATION SHEET

Date: 27 AUGUST 1999

Sample No.	Au (oz/ton)	Description
27751	0.061	TRENCH A Grab sample of blasted muck pile from main blasted area. Rusty quartz carbonate vein material mineralized with 10 to 15% coarse pyrite.
27752	0.102	TRENCH A Grab sample of muck pile from main blasted pit. Rusty, massive seams and bands of pyrite. 95% pyrite
27753	0.015	TRENCH A Grab sample of blasted muck pile from main blasted area. Large sample of quartz carbonate vein material mineralized with 3 to 5% fine to coarse pyrite.
27754	0.029	TRENCH A Grab sample of blasted muck pile from main blasted area. White sugary quartz material mineralized with 30% pyrite. Partially rotten - gossanous.
27755	0.290	TRENCH A Grab sample of blasted muck pile from main blasted area. White sugary quartz material mineralized with 30 to 40 % disseminated and banded pyrite.
27756	0.009	TRENCH A Grab sample of blasted muck pile from main blasted area. Rusty, silicified trondhjemite. Strongly silicified - very hard and dense, with minor Fe carbonate alteration. Mineralized with 5% finely disseminate and clotted pyrite.
27757	<0.001	TRENCH A Grab sample collected from middle blasted area. Localized rusty - gossanous zone. Fine grained, strongly silicified white to light gray trondhjemite

2.19743



Sample No.	Au (oz/ton)	Description
27758	<0.001	TRENCH A Grab sample collected from west end blasted area. Small localized gossanous - rusty zone. Weakly silicified trondhjemite, mineralized with 2 to 3% pyrite.
27759	<0.001	TRENCH A: Whole Rock Analysis Representative sample of outcrop. Relatively unmineralized, medium grained, equigranular felsic intrusive rock - trondhjemite. Homogeneous in texture and composition, mineralized with odd speck of pyrite. Weathers to a dull white - light gray.
27760	<0.001	TRENCH A Grab sample from extreme east end of trenched area. Grab sample of bull white quartz vein material hosted within trondhjemite. Only odd speck of pyrite.
27761	0.001	TRENCH B Grab sample from muck pile from main blasted area, west end of trenched area. Grab sample of rusty - gossanous, silicified trondhjemite mineralized with 10 to 15% disseminated pyrite
27762	0.008	TRENCH B Located 2 metres west of blasted area. Grab sample of rusty quartz vein material mineralized with 2 to 3% pyrite. Sample consists of 40 to 60% quartz carbonate vein material and 30% rusty wall rock - weakly altered trondhjemite.
27763	0.002	TRENCH B Grab sample from muck pile from main blasted area, west end of trenched area. Rusty - gossanous, weakly schistose, silicified felsic intrusive - trondhjemite. Mineralized with 10% disseminated pyrite.
27764	<0.001	TRENCH B Located at east edge of trenched area. Grab sample of various gossanous - rusty sulphide splashes varying in size from cm blebs to 25cm in diameter. Sample consist of trondhjemite, variably unmineralized with pyrite.
27765	<0.001	TRENCH B: Whole Rock Analysis Relatively homogeneous, unmineralized trondhjemite. Only odd speck of pyrite.

Sample No.	Au (oz/ton)	Description
27766	0.001	TRENCH C Located at east end of trenched area. Rusty quartz vein material from pit, mineralized with 5 to 7% coarse cubic pyrite.
27767	<0.001	TRENCH C Located near midpoint of trenched area. Rusty - gossanous wall rock adjacent to quartz vein. Altered trondhjemite mineralized with 5% pyrite.
27768	<0.001	TRENCH C Located near midpoint of trenched area. White, rusty quartz vein material associated with sample no. 27767. Mineralized with 2 to 3% pyrite.
27769	0.001	TRENCH C Located at west part of trenched area, near road. Grab sample of rusty quartz vein material. Mineralized with 2 to 3% pyrite.
27770	0.003	TRENCH C Located from historical blasted pit at extreme east end of trenched area. Large sample of rusty quartz vein material mineralized with 5 to 7% coarse cubic pyrite.
27771	<0.001	TRENCH D Located at south part of trench, near Clam Lake trail. Grab sample of multiple boudinaged quartz veinlets within trondhjemite. Minor sulfides.
27772	0.001	TRENCH D Whole Rock Analysis Grab sample of crosscutting lamprophyry dike - striking at 330.
27773	<0.001	TRENCH D South portion of trenched area - near Clam Lake trail. Grab sample of rusty flyrock material. Silicified trondhjemite mineralized with 2 to 3% pyrite.
27774	0.182	OUTCROP SAMPLE Grab sample of rusty sugary quartz vein material. Mineralized with 5% pyrite, trace chalcopyrite.
27775	0.034	OUTCROP SAMPLE Grab sample of bull white quartz vein, approx. 1 m wide. Trace pyrite.

Sample No.	Au (oz/ton)	Description
27776	0.010	OUTCROP SAMPLE Grab sample of rusty - gossanous rock associated with sample no. 27775. Weakly schistose - sheared.
27777	0.003	OUTCROP SAMPLE Grab sample of rusty quartz vein material, partially rotten with sulfides. White to yellow in colour.
27778	0.001	TRENCH E Located at extreme west end of trenched area. Grab sample of multiple rusty - gossanous zones - sulfide rich bands - fractures in white weather trondhjemite. Sulfidized bands vary in width from 1 to 10cm wide and strike at 260 degrees.
27779	0.001	TRENCH E Located at extreme west end of trenched area. Grab sample of multiple rusty - gossanous zones - sulfide rich bands - fractures in white weather trondhjemite. Sulfidized bands vary in width from 1 to 10cm wide and strike at 260 degrees.
27780	1.33	TRENCH E Located near midpoint of trench. 7 to 10 cm wide seam of semi massive pyrite hosted within relatively massive trondhjemite. Sample contains 50 to 60% pyrite.
27781	0.095	TRENCH E Located near midpoint of trenched area. Grab sample of rusty - gossanous trondhjemite, mineralized with 1 to 2% pyrite, 5% chalcopyrite.
27782	0.087	TRENCH E Located near midpoint of trenched area. Grab sample of sulfide rich fractures, dipping 80 degrees south. Mineralized with 60 to 70% pyrite.
27783	0.003	TRENCH E Located approx. 1 m north of sample no. 27782. Parallel band of semi massive sulfide - pyrite.
27784	0.10	TRENCH E Located approx. 15 m north of sample no. 27783. Grab sample of rusty - gossanous trondhjemite. Partially rotten with sulfide.

Sample No.	Au (oz/ton)	Description
27785	0.005	TRENCH E Located approx. 15 m north of sample no. 27783. Grab sample of rusty - gossanous trondhjemite. Partially rotten with sulfide
27786	0.006	TRENCH E: Whole Rock Analysis Representative sample of outcrop. Relatively unaltered and unmineralized trondhjemite.
27787	0.001	TRENCH F Located at west end of trench area - near Chester road. . Grab sample of weakly altered, gossanous - rusty trondhjemite. Mineralized with 1 % pyrite. 2 to 5cm wide east west striking sulfide rich band- possibly sulfidized fractures.
27788	0.185	TRENCH F Located near midpoint of trenched area. Grab sample of rusty - gossanous trondhjemite with 10 to 15% quartz carbonate vein material. Mineralized with 10% pyrite
27789	0.002	TRENCH F Located near east end of trenched area. Grab sample of rusty - gossanous band, approx. 10 cm wide.
27790	0.004	TRENCH F Located near east end of trenched area, approx. 5 m south of sample no. 27789. Grab sample of rusty - gossanous band, approx. 10 cm wide.
27791	0.161	TRENCH F Located near east end of trenched area, approx. 5 m south of sample no. 27790. Grab sample of rusty - gossanous band, approx. 10 cm wide.
27792	0.001	TRENCH H Grab sample of localized rusty - gossanous splash within trondhjemite. Weakly altered and mineralized with 1 to 3% pyrite. Non directional fabric.
27793	0.029	TRENCH K Located at east end of trench - near Chester Road. Grab sample consisting of 50% rusty quartz vein material mineralized with 10% pyrite. Contains some green malachite staining.

Sample No.	Au (oz/ton)	Description
27794	0.003	TRENCH K Located at west end of trenched area. Grab sample of rusty silicified trondhjemite. Mineralized with 5 to 10% disseminated sulfides. Rusty sulfide seam approx. 25 cm wide.
27795	0.031	TRENCH K Located at east end of trenched area, near Chester Road. Very large grab sample of quartz vein material. Mineralized with 10 to 15% coarse pyrite and some malachite staining present. Extremely rusty and gossanous.
27796	<0.001	M-1 Located along Clam Lake trail. Grab sample of outcrop. 30% quartz vein material mineralized with 1 to 2% pyrite.
27797	<0.001	M-2 Located near intersecting of Clam Lake trail and Chester road. Grab sample of rusty angular boulder of trondhjemite, mineralized with 2 to 5% disseminated pyrite.
27798	0.024	M-3 Located on east side of Chester Road, just south of trenched area F. Grab sample of localized rusty - gossanous zone, mineralized with 2 to 3% pyrite and up to 1% chalcopyrite.
27799	<0.001	M-4 Located west of intersection of Clam Lake trail and Chester Road. Grab sample of rusty - gossanous trondhjemite. Mineralized with 1 to 3% disseminated pyrite.
27800	0.003	M-5 Located west of intersection of Clam Lake trail and Chester Road. Grab sample of rusty - gossanous trondhjemite. Mineralized with 1 to 3% disseminated pyrite.

Note 1: All samples were collected by R. Duess, J. Duess and Ed. Korba on August 18, 19 & 20th, 1999.

Note 2: All assaying performed by Swastika Labs, Swastika, Ontario.

TRENCHED AREA "A"



MAIN BLASTED PIT - TRENCH A

Extensive gossanous - rusty felsic intrusive (trondhjemite) variably mineralized with pyrite and chalcopyrite and cut by mineralized quartz veins.



GRAB SAMPLES (samples numbered 27751 to 27756 from the main blasted area (trench A) returned values ranging from 0.01 to 0.29 ounces gold per ton.



SAMPLE NUMBER 27755, taken from gossanous, sugary textured quartz material mineralized with up to 50% pyrite returned a value of 0.29 ounces gold per ton.



Ministry of
Northern Development
and Mines

**Declaration of Assessment Work
Performed on Mining Land**

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) <i>W9960.00345</i>
Assessment Files Research Imaging



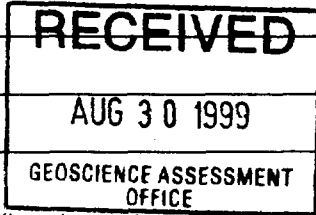
41P12SW2004 2.19743 YEO 900

Subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about this form should be directed to the Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario N2S 2L7.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name ROBERT L. DUESS	Client Number 127657
Address 62 Kenwoods Circle	Telephone Number (613) 542-8822
Kingston, Ontario. K7K 6Y1	Fax Number (613) 542-0784
Name	Client Number
Address	Telephone Number
	Fax Number



2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

<input checked="" type="checkbox"/> Geotechnical: prospecting, surveys, assays and work under section 18 (regs)	<input type="checkbox"/> Physical: drilling stripping, trenching and associated assays	<input type="checkbox"/> Rehabilitation
Work Type Geological mapping, prospecting & sampling	Office Use Commodity	
	Total \$ Value of Work Claimed <i>\$ 5702</i>	
Dates Work Performed From 17 08 1999 To 22 08 1999	NTS Reference	
Global Positioning System Data (if available)	Township/Area: YEO TOWNSHIP	Mining Division <i>Percepine</i>
	M or G-Plan Number: G-2481	Resident Geologist District <i>Timmins</i>

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name Robert L. Duess	Telephone Number (613) 542-8822
Address 62 Kenwoods Circle, Kingston, Ont. K7K 6Y1	Fax Number (613) 542-0784
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

I, **Robert L. Duess**, do hereby certify that I have personal knowledge of the facts set forth in

this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>Robert L. Duess</i>	Date: 27 Aug 1999
Agent's Address 62 Kenwoods Circle, Kingston, Ont. K7K 6Y1	Telephone Number: (613) 542-8822 Fax Number (613) 542-0784

Deemed Nov 28/99

2.19743

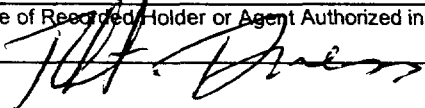
5. **Work to be recorded and distributed.** Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W9960.00345

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 P - 1224594	5	\$ 5,702.00	\$ 4,000.00	0	\$ 1,702.00
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals	1	\$ 5,702.00	\$ 4,000.00	0	\$ 1,702.00

RECEIVED
 AUG 30 1999
 DEPARTMENT OF ASSESSMENT

I, **ROBERT L. DUESS**, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Record Holder or Agent Authorized in Writing 	Date 27 August 1999
--	------------------------

6. Instruction for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

2.13



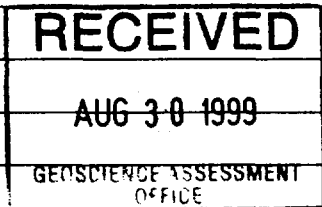
**Statement of Costs
for Assessment Credit**

Transaction Number (office use)

W 9960.00345

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Geological mapping, prospecting and sampling	R. Duess (Geologist) 5.5 days	\$ 400 per day	\$ 2,200.00
	J. Duess (assistant) 5.0 days	\$ 100 per day	\$ 500.00
	E. Korka (Prospector) 1.day	\$ 250 per day	\$ 267.50
Assaying (Swastika Labs)	50 samples		\$ 1150.25
P. Montgomery	Drafting 4 hrs	\$ 40 / hr	171.20
Associated Costs (e.g. supplies, mobilization and demobilization).			
Misc: flagging tape, sample bags, etc.			37.73
Transportation Costs			
Truck and travel (4x4)	2192 km	0.045	\$ 986.40
Food and Lodging Costs			
4 nights accomodations			389.51
Total Value of Assessment Work			\$ 5,702.00



Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Robert L. Duess, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as **Recorded Holder** I am authorized to make this certification.
(recorded holder, agent, or state company position with signing authority)

Signature 	Date 27 August 1999
---------------	------------------------

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

December 15, 1999

ROBERT LEO DUESS
62 KENWOODS CIRCLE
KINGSTON, Ontario
K7K-6Y1

Telephone: (888) 415-9845
Fax: (877) 670-1555

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.19743

Status

Subject: Transaction Number(s): W9960.00345 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact **BRUCE GATES** by e-mail at bruce.gates@ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.19743

Date Correspondence Sent: December 15, 1999

Assessor: BRUCE GATES

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9960.00345	1224594	YEO	Approval After Notice	December 12, 1999

Section:

12 Geological GEOL

The revisions outlined in the Notice dated October 28, 1999, have been corrected. The following assessment credit has been allowed:

Sample collection	\$2,395
Analyses	\$1,174
Mileage @ \$0.30/km	\$ 658
Drafting, accomodation, misc(as reported)	

The assessment credit is being reduced by \$876.00 The TOTAL VALUE of assessment credit that will be allowed, based on the information provided in this submission, is \$4,826.00.

Assessment work credit has been approved as outlined on the attached Distribution of Assessment Work Credit sheet.

Correspondence to:

Resident Geologist
South Porcupine, ON

Recorded Holder(s) and/or Agent(s):

ROBERT LEO DUESS
KINGSTON, Ontario

Assessment Files Library
Sudbury, ON

Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

Date: December 15, 1999

Submission Number: 2.19743

Transaction Number: W9960.00345

<u>Claim Number</u>	<u>Value Of Work Performed</u>
1224594	4,826.00
Total: \$	4,826.00

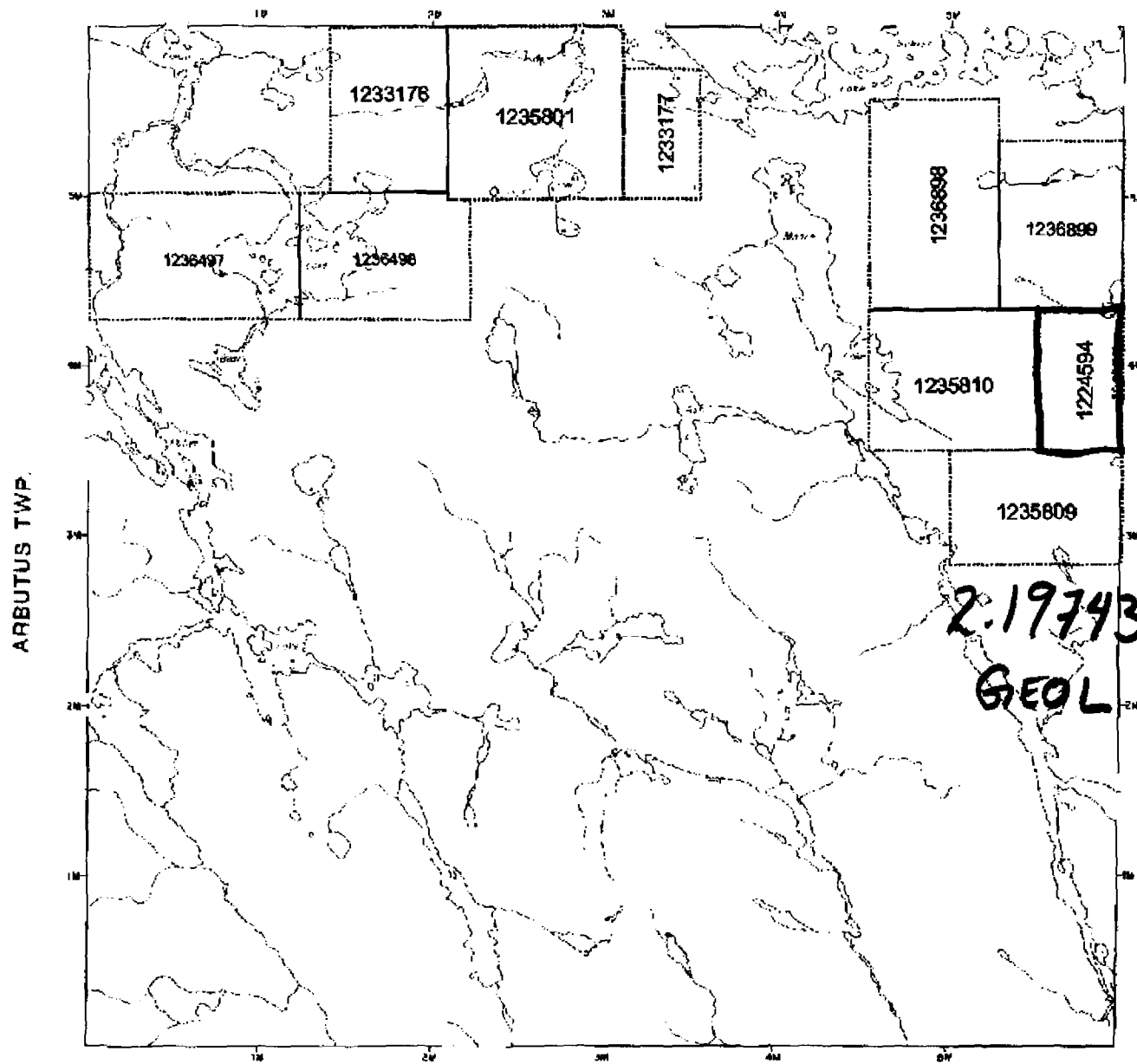
REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.D. - MINING RIGHTS ONLY
 S.H.C. - SURFACE RIGHTS ONLY
 M.I.S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	Lot

POTIER TWP.



SMUTS TWP.

LEGEND

- HIGHWAY AND ROUTE NO.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIP, RANGE, QUARTER, ETC.
- LOTE, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIM ETC.
- RAILWAY AND RIGHT-OF-WAY
- UTILITY LINES
- NON-FERROUS STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPACT PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKIEG
- MINES
- TRANSIT RIGHTS

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
UNLIM. MINING	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1935 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT RECAP. 1935 (R.S.O. 1937 CAP. 124, SECTION 1)

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP

YEO

M.N.R. ADMINISTRATIVE DISTRICT

GOGAMA

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

SUDBURY

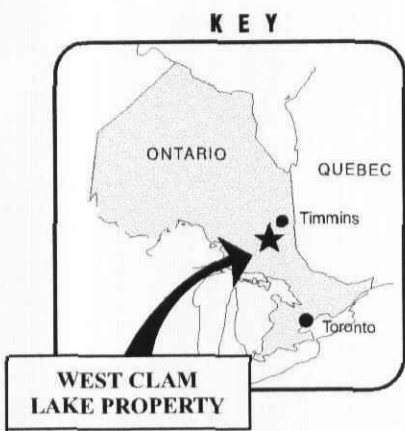


Ministry of Natural Resources
 Land Management Branch

DATE: OCTOBER, 1983

NUMBER: G-2481





P1229070



Yeo Township
Chester Township

P1235810

P1224594

Chester Road

Stripped Area C

Stripped Area A

MAIN BLASTED PIT

BLASTED PIT

Stripped Area B

Stripped Area D

CLAM LAKE

Stripped Area H

Stripped Area E

Stripped Area F

multiple parallel sulphide (goossanous) band

multiple parallel sulphide (goossanous) band

boudinaged quartz veinlets

LEGEND

trj trondhjemite
lamp lamprophyry dike
vq quartz vein

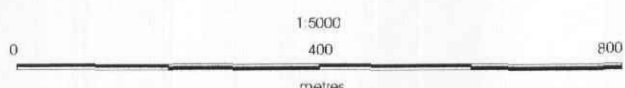
SAMPLE LOCATION AND NUMBER

● 51 = 27751

LOCATION OF CLAIM POSTS

□ ASSUMED
■ LOCATED

P1235809



RECEIVED
AUG 30 1993
GEOSCIENCE ASSESSMENT
OFFICE

WEST CLAM LAKE AREA
YEO TOWNSHIP
PORCUPINE MINES
(Swayze Greenstone Belt)

map1...cdr

Aug 27/99

