72915

KISKITTO DIAMOND DRILLING

January - February, 1995

Hole No.	Depth	Date
K-1	410 feet	Jan 22 -27, 1995
K-2	727 feet	Jan 27 - 30, 1995
K-3	527 feet	Feb 03- 05, 1995
K-4	410 feet	Feb, 1995
4 holes	2,074 feet	

SUMMARY OF DRILL DATA ON BORSURV FILES AT Kiskitto

Hole No.	Grid Name	UTM Eastings	UTM Northings	Elevation	Units	Dip	Grid Bearing	Depth	Wedges	Litho Units	No. of Assays	Averaged Zones Total	Averaged Zones Named	Elements
K-1	Recon	543500.00	6026000.00	0.00	feet	-45.00	315.00	410.00	0	0	11	0	4	4(, Fe2O3(%), TiO2(%), V2O5(%))
K-2	Recon	520500.00	6014600.00	0.00	feet	-45.00	330.00	727.00	0	0	81	5	4	4(, Fe2O3(%), TiO2(%), V2O5(%))
K-3	Recon	53470.00	6024800.00	0.00	feet	-45.00	300.00	527.00	0	0	30	4	4	4(, Fe2O3(%), TiO2(%), V2O5(%))
K-4	Recon	529650.00	6022200.00	0.00	feet	-45.00	180.00	410.00	0	0	8	0	4	4(, Fe2O3(%), TiO2(%), V2O5(%))

Total Holes: 4 Total depth: 2074.00 Total assays: 130

** BORSURV **

SUMMARY OF AVERAGED ASSAY INTERVALS AT Kiskitto

Hole No.	Zone	From	To	Drilled Width	Core Angle	True Width		Fe2O3(%)	TiO2(%)	V2O5(%)
K-2	ALL	76.50	705.00	628.50	45.0	444.42	3704	20.63	3.28	0.16
	1	86.50	152.00	65.50	45.0	46.32	9048	23.13	3.80	0.18
	2	227.00	347.00	120.00	45.0	84.85	5644	21.68	3.39	0.17
	3	460.00	516.80	56.80	45.0	40.16	853	23.35	3.94	0.18
	4	547.00	701.00	154.00	45.0	108.89	800	23.50	3.84	0.19
K-3	1	189.10	417.00	227.90	45.0	161.15	686	20.34	3.87	0.14
	2	275.30	301.90	26.60	45.0	18.81	685	31.31	5.40	0.23
	3	338.30	417.00	78.70	45.0	55.65	695	24.17	5.74	0.15
	4	338.30	433.00	94.70	45.0	66.96	695	23.24	5.54	0.14

GOSSAN RESOURCES LIMITED

DIAMOND DRILL LOG

PROPERTY: Kiskitto
HOLE No.: K-1
Collar Eastings: 543500.00
Collar Northings: 6026000.00
Collar Elevation: 0.00
Grid: Recon
Casing Pulled

Collar Inclination: -45.00
Grid Bearing: 315.00
Final Depth: 410.00 feet
Drilled by:Rodren Drilling Limited
UTM COORDINATES APPROXIMATE

Logged by: J. Campbell
Date: Jan., 1995
Down-hole Survey:
Core size:BQ

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH	Fe2O3(%)	TiO2(%)	V2O5(%)
0.0	10.0	(CASING)							
10.0	410.0	LEUCOGABBRO-MAGNETITE BEARING (4M)	712	37.00	47.00	10.00	11.90	1.94	0.05
		medium grained, foliated at 45 to CA,	713	77.00	87.00	10.00	15.10	2.32	0.06
		10.0 - 73.0 slightly magnetic	714	127.00	137.00	10.00	14.40	2.62	0.05
		73.0 - 75.6 aplite, medium grained granite	715	147.00	157.00	10.00	14.00	2.40	0.05
		219.0 - 224.0 pink to salmon conformable dike	716	197.00	207.00	10.00	17.20	2.95	0.11
		238.0 - 248.0 same	717	207.00	217.00	10.00	16.40	2.75	0.11
		73.0 - 238.0 darker phase, 5-10% magnetite and biotite	718	227.00	237.00	10.00	13.70	2.09	0.05
		2% po, .5% py	719	267.00	277.00	10.00	14.00	2.07	0.05
		248.0 - and down very minor magnetite, becoming	720	287.00	297.00	10.00	13.40	1.88	0.06
		coarser, foliation at 45 to CA	721	302.00	316.00	14.00	13.40	2.05	0.06
			722	337.00	347.00	10.00	12.40	1.73	0.05
		410.0 - (E.O.H.)							

GOSSAN RESOURCES LIMITED

DIAMOND DRILL LOG

PROPERTY: Kiskitto
HOLE No.: K-2
Collar Eastings: 520500.00
Collar Northings: 6014600.00
Collar Elevation: 0.00
Grid: Recon
Casing pulled

Collar Inclination: -45.00
Grid Bearing: 330.00
Final Depth: 727.00 feet
Drilled by:Rodren Drilling Limited
UTM COORDINATES APPROXIMATE

Logged by: J. Campbell
Date: Jan. 27-30, 1995
Down-hole Survey:
Core size:DQ

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	8.0	(CASING)
8.0	66.5	LEUCOGABBRO (4) medium to coarse grained, slightly magnetic
66.5	192.5	LEUCOGABBRO-MAGNETITE BEARING (4M) slightly darker, 10% magnetite, 6% ilmenite 125.0 - 128.0 lighter color, non magnetic 152.0 - 154.0 lighter color, non magnetic 164.0 - 165.0 lighter color, non magnetic 178.0 - 179.0 white, non magnetic 181.0 - 188.0 white, non magnetic
202.5	227.0	BASIC DIKE (10) fine grained, 10-15% magnetite and ilmenite, intrudes leucogabbro
227.0	312.0	LEUCOGABBRO-MAGNETITE BEARING (4M) 10-15% disseminated magnetite and ilmenite 251.0 - 252.0 grey and white banded, non magnetic 256.0 - 257.5 grey and white banded, non magnetic 300.0 - 302.0 grey and white banded, non magnetic 305.0 - 312.0 grey and white banded, non magnetic

SAMPLE No.	FROM	TO	ASSAYS WIDTH	Fe2O3(%)	TiO2(%)	V2O5(%)
9043	76.50	86.50	10.00	18.40	2.70	0.15
9044	86.50	92.50	6.00	28.10	4.53	0.23
9045	92.50	96.50	4.00	15.10	2.36	0.12
9046	96.50	106.50	10.00	24.00	4.05	0.19
9047	106.50	116.50	10.00	21.80	3.42	0.17
9048	116.50	125.00	8.50	26.30	4.52	0.21
9049	125.00	128.00	3.00	9.68	1.37	0.07
9050	128.00	138.00	10.00	24.90	4.03	0.20
9051	138.00	148.00	10.00	23.70	4.02	0.19
9052	148.00	152.00	4.00	22.40	3.59	0.18
	86.50	152.00	65.50	23.13	3.80	0.18
9053	152.00	153.50	1.50	7.42	1.02	0.04
9054	153.50	164.00	10.50	19.40	2.99	0.15
9055	164.00	174.00	10.00	20.70	3.34	0.16
9056	174.00	180.00	6.00	21.30	3.51	0.17
9057	180.00	188.00	8.00	3.37	0.30	0.02
9058	188.00	192.00	4.00	14.70	2.07	0.10
9059	192.00	202.00	10.00	14.40	1.51	0.10
9060	202.00	212.00	10.00	13.50	1.41	0.11
9061	212.00	222.00	10.00	13.80	1.38	0.10
9062	222.00	227.00	5.00	14.10	1.43	0.10
9063	227.00	237.00	10.00	21.80	3.42	0.17
9064	237.00	247.00	10.00	21.80	3.21	0.16
9065	247.00	257.00	10.00	18.10	2.85	0.14
9066	257.00	267.00	10.00	20.10	2.85	0.15
9067	267.00	277.00	10.00	21.70	3.09	0.17
9068	277.00	287.00	10.00	20.00	3.06	0.16
9069	287.00	297.00	10.00	25.00	3.69	0.19
726	297.00	300.00	3.00	33.80	5.73	0.28
727	300.00	303.00	3.00	9.72	1.24	0.07
728	303.00	305.00	2.00	18.50	2.85	0.15

GOSSAN RESOURCES LIMITED

DIAMOND DRILL LOG

PROPERTY: Kiskitto
HOLE No.: K-2

FROM	TO	LITHOLOGICAL DESCRIPTION
312.0	709.0	LEUCOGABBRO-MAGNETITE BEARING (4M)
		10-15% magnetite and ilmenite
		grey and white bands, weakly magnetic at;
		385.0 - 386.0
		389.0 - 390.5
		392.0 - 393.0 1-2% py
		396.0 - 396.5 1-2% py
		446.0 - 449.0 1-2% py
		456.5 - 457.0 1-2% py
		460.0 - 463.0 1-2% py
		465.0 - 466.0 1-2% py
		502.0 - 509.0 1-2% py
		516.0 - 518.0 1-2% py
		522.0 - 524.0 1-2% py
		524.0 - 526.5 weakly magnetic <2% magnetite
		526.5 - 533.5 8-10% magnetite
		533.0 - 534.0 grey pink aplite no magnetite
		534.0 - 537.0 8-10% magnetite
		537.0 - 544.0 grey pink aplite non magnetic
		544.0 - 581.0 10% magnetite
		581.0 - 586.0 1% magnetite
		586.0 - 588.5 10% magnetite
		588.5 - 590.0 1-2% magnetite
		590.0 - 604.5 10% magnetite
		604.5 - 606.5 1% magnetite
		606.5 - 652.0 8-10% magnetite
		652.0 - 653.5 no magnetite
		654.0 - 655.0 no magnetite
		656.0 - 657.0 no magnetite
		709.0 - (E.O.H.)

ASSAYS						
SAMPLE No.	FROM	TO	WIDTH	Fe2O3(%)	TiO2(%)	V2O5(%)
729	305.00	312.00	7.00	8.13	0.98	0.06
730	312.00	322.00	10.00	22.90	3.72	0.18
731	322.00	329.00	7.00	22.80	4.18	0.21
1352	329.00	339.00	10.00	32.30	5.30	0.26
732	339.00	347.00	8.00	22.60	3.98	0.18
	227.00	347.00	120.00	21.68	3.39	0.17
1354	347.00	357.00	10.00	N.A.	N.A.	N.A.
733	357.00	367.00	10.00	23.40	4.03	0.19
734	367.00	377.00	10.00	21.20	3.58	0.17
1351	377.00	387.00	10.00	17.30	2.48	0.13
735	387.00	397.00	10.00	17.60	2.60	0.13
736	397.00	407.00	10.00	20.90	3.33	0.17
1355	407.00	417.00	10.00	28.90	4.80	0.22
737	417.00	427.00	10.00	20.00	2.92	0.15
738	427.00	437.00	10.00	21.90	3.60	0.17
739	437.00	447.00	10.00	29.40	5.08	0.23
740	447.00	457.00	10.00	23.30	3.48	0.17
741	457.00	460.00	3.00	14.30	2.38	0.11
742	460.00	462.00	2.00	24.40	4.16	0.19
743	462.00	472.00	10.00	23.00	3.87	0.18
744	472.00	477.00	5.00	31.50	5.52	0.25
1356	477.00	487.00	10.00	27.80	4.78	0.21
745	487.00	497.00	10.00	28.00	4.75	0.21
746	497.00	502.00	5.00	7.94	1.11	0.06
747	502.00	510.00	8.00	19.20	3.15	0.15
748	510.00	516.80	6.80	20.40	3.42	0.16
	460.00	516.80	56.80	23.35	3.94	0.18
749	516.80	518.00	1.20	13.40	1.48	0.11
750	518.00	522.00	4.00	18.20	2.89	0.14
653	534.00	535.50	1.50	3.57	0.52	0.03
654	535.50	537.00	1.50	23.90	3.92	0.18
655	537.00	543.00	6.00	4.63	0.34	0.02
656	543.00	547.00	4.00	20.90	3.75	0.18
1357	547.00	557.00	10.00	23.30	4.08	0.18
657	557.00	567.00	10.00	24.30	4.13	0.19
658	567.00	577.00	10.00	24.30	4.28	0.19
659	577.00	580.00	3.00	23.40	3.85	0.18
660	580.00	586.00	6.00	5.90	0.90	0.05
661	586.00	597.00	11.00	26.30	4.18	0.21
662	597.00	605.00	8.00	23.10	3.73	0.19
663	605.00	607.00	2.00	9.80	1.51	0.08
1358	607.00	617.00	10.00	27.70	4.77	0.23

GOSSAN RESOURCES LIMITED

DIAMOND DRILL LOG

PROPERTY: Kiskitto
HOLE No.: K-2

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH	Fe2O3(%)	TiO2(%)	V2O5(%)
			664	617.00	627.00	10.00	22.30	3.44	0.18
			1359	627.00	637.00	10.00	19.50	3.06	0.15
			665	637.00	647.00	10.00	22.10	3.42	0.17
			666	647.00	653.00	6.00	19.70	3.07	0.16
			667	653.00	657.00	4.00	16.30	2.54	0.12
			668	657.00	661.00	4.00	23.90	3.97	0.20
			669	661.00	671.00	10.00	31.30	5.12	0.27
			670	671.00	681.00	10.00	18.20	2.47	0.14
			671	681.00	691.00	10.00	25.70	4.18	0.22
			672	691.00	701.00	10.00	35.40	6.09	0.32
				547.00	701.00	154.00	23.50	3.84	0.19
			673	701.00	705.00	4.00	18.70	2.91	0.15
				76.50	705.00	628.50	20.63	3.28	0.16

GOSSAN RESOURCES LIMITED

DIAMOND DRILL LOG

PROPERTY: Kiskitto
HOLE No.: K-3
Collar Eastings: 53470.00
Collar Northings: 6024800.00
Collar Elevation: 0.00
Grid: Recon
Casing pulled

Collar Inclination: -45.00
Grid Bearing: 300.00
Final Depth: 527.00 feet
Drilled by:Rodren Drilling Limited
UTM COORDINATES APPROXIMATE

Logged by: L.C. Chastko
Date: FEB., 1995
Down-hole Survey:
Core size:BQ

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	54.0	(CASING)
54.0	57.3	PEGMATITE (peg) pink, coarse grained, 40% assimilated leucogabbro, 10% coarse biotite and amph
57.3	189.1	LEUCOGABBRO (4) plag-amph-bio-mag schist, schistose to crudely gneissic 60-70% plag, 30% amph and bio, 10% pegmatitic stringers medium to coarse grained, variable texture and grain size, highly recrystallized, minor, <5% disseminated oxides, weakly to moderately magnetic, variable foliation 25-45 to CA, generally 45 to CA
189.1	267.1	LEUCOGABBRO-MAGNETITE BEARING (4M) mottled grey and dark greenish-brown, medium grained variable plag to mafic ratio in alternating bands down section, 5% pegmatite stringers, 5-15% disseminated oxides, variable along section, greater concentration in mafic rich sections general foliation at 40-45 to CA
267.1	275.3	ANORTHOSITE (3) medium grey, fine to medium grained, highly recrystallized, foliation at 40-45 to CA, uniform texture, minor disseminated oxides weakly magnetic
275.3	301.9	LEUCOGABBRO & MASSIVE OXIDES (4,6) 275.3 - 288.0 20-30% disseminated oxides banded with semi massive oxides 288.0 - 301.9 50% massive oxide bands alternating with leucogabbro with disseminated oxides, massive oxide vary up to 15 cm in width, strongly magnetic, banding and foliation at 40-45 to CA
301.9	314.6	LEUCOGABBRO (4)

ASSAYS

SAMPLE No.	FROM	TO	WIDTH	Fe2O3(%)	TiO2(%)	V2O5(%)
674	189.10	197.00	7.90	18.20	2.68	0.14
675	197.00	207.00	10.00	15.70	2.15	0.11
676	207.00	217.00	10.00	15.60	2.14	0.11
677	217.00	227.00	10.00	16.80	2.38	0.12
678	227.00	237.00	10.00	18.80	3.00	0.14
679	237.00	242.00	5.00	14.30	2.15	0.10
680	242.00	247.00	5.00	19.30	2.90	0.14
681	247.00	257.00	10.00	22.80	3.71	0.19
682	257.00	267.10	10.10	22.80	3.65	0.18
683	267.10	275.30	8.20	6.92	0.96	0.03
684	275.30	287.00	11.70	27.50	4.63	0.20
685	287.00	301.90	14.90	34.30	6.01	0.26
	275.30	301.90	26.60	31.31	5.40	0.23
686	301.90	307.00	5.10	9.66	1.62	0.05

GOSSAN RESOURCES LIMITED

DIAMOND DRILL LOG

PROPERTY: Kiskitto
HOLE No.: K-3

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH	Fe2O3(%)	TiO2(%)	V2O5(%)
		similar to 57.3 - 189.1 crudely gneissic, minor disseminated oxides	687	307.00	314.60	7.60	9.00	1.38	0.05
314.6	338.3	ANORTHOSITE-MAGNETITE BEARING (3M) medium grey, fine to medium grained, gneissic banding and foliation at 40 to CA, 5% disseminated oxides, magnetic	688	314.60	327.00	12.40	10.80	1.49	0.04
			689	327.00	332.00	5.00	11.10	1.52	0.04
			690	332.00	338.30	6.30	15.40	2.60	0.09
338.3	438.8	LEUCOGABBRO-MAGNETITE BEARING & MASSIVE OXIDES (3M,6) 70% magnetite bearing leucogabbro with 10-15% disseminated oxides, 20% massive oxide bands, overall 20-30% magnetite and ilmenite, crude gneissic banding, 438.8 - sharp termination of magnetite content	691	338.30	347.00	8.70	25.50	5.16	0.16
			692	347.00	357.00	10.00	24.10	5.29	0.15
			693	357.00	367.00	10.00	22.00	5.32	0.14
			694	367.00	377.00	10.00	23.60	5.67	0.14
			695	377.00	387.00	10.00	27.20	6.83	0.18
			696	387.00	397.00	10.00	25.70	6.44	0.18
			697	397.00	407.00	10.00	24.70	6.07	0.15
			698	407.00	417.00	10.00	20.70	5.04	0.12
				189.10	417.00	227.90	20.34	3.87	0.14
			699	417.00	425.00	8.00	12.40	2.62	0.06
			700	425.00	433.00	8.00	25.00	6.56	0.15
				338.30	433.00	94.70	23.24	5.54	0.14
			701	433.00	438.80	5.80	16.50	3.71	0.09
438.8	442.5	ANORTHOSITE (3) similar to before							
442.5	527.0	GABBRO (2) 50-60% plag, 40-45% amph and bio, medium grained uniform texture, gradual increase in mafics down section, non magnetic 506.5 - 510.0 coarse pegmatite	702	447.00	457.00	10.00	17.20	3.58	0.06
			703	497.00	506.50	9.50	15.70	2.85	0.06
		527.0 - (E.O.H.)							

GOSSAN RESOURCES LIMITED

DIAMOND DRILL LOG

PROPERTY: Kiskitto
HOLE No.: K-4
Collar Eastings: 529650.00
Collar Northings: 6022200.00
Collar Elevation: 0.00
Grid: Recon
Casing Pulled

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 410.00 feet
Drilled by:Rodren Drilling Limited
UTM COORDINATES APPROXIMATE

Logged by: L.C. Chastko
Date: Feb., 1995
Down-hole Survey:
Core size:BQ

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH	Fe2O3(%)	TiO2(%)	V2O5(%)
0.0	67.0	(CASING)							
67.0	320.5	LEUCOGABBRO-MAGNETITE BEARING (4M)	704	97.00	107.00	10.00	14.00	2.61	0.07
		mottled grey and dark green, medium grained, relatively	705	127.00	137.00	10.00	11.70	2.14	0.06
		uniform texture, recrystallized,poorly foliated, minor	706	157.00	167.00	10.00	13.40	2.59	0.07
		5-8%, uniform disseminated oxides, weakly to moderately	707	197.00	207.00	10.00	14.30	2.76	0.08
		magnetic	708	237.00	247.00	10.00	12.90	1.98	0.08
		313.8 - 316.6 mafic dike, dark green, fine grained,	709	277.00	287.00	10.00	13.70	2.53	0.07
		weakly magnetic							
320.5	396.5	ANORTHOSITE (3)	710	357.00	367.00	10.00	13.10	2.47	0.07
		10% mafics, light grey, gradational contacts,							
		foliation at 60 to CA							
396.5	410.0	LEUCOGABBRO-MAGNETITE BEARING (4M)	711	387.00	397.00	10.00	14.00	2.61	0.07
		similar to before, <8% disseminated oxides, poorly							
		foliated at 50 to CA							
		410.0 - (E.O.H.)							

Brief Description of Drillcore Samples from DDH KL95-2, Kiskitto Lake

Introduction

Three drillcore samples from DDH KL95-2 on the Kiskitto Lake property east of Pipestone Lake, and which is probably an extension of the Pipestone Lake Ti-V oxide deposit, were submitted to Minoretek by Gossan Resources for mineralogical evaluation. Although the samples consisted of oxides in leucogabbro and were strongly magnetic, ilmenite could not be postively identified in handspecimen. Because the turn-around time for assays is approximately 5-7 days, and an immediate decision on whether to move the drill was imperative, a mineralogical evaluation was conducted on a priority rush basis. Typically, Minoretek sends samples out to Vancouver Petrographics for polished section preparation. However, as the turn-around time is approximately 10-14 days, Minoretek undertook to prepare the sections and do a cursory evaluation within 2 days.

The quality of the prepared sections attained by Minoretek was relatively inferior (compared to that attainable by Vancouver Petrographics) and mineral identification using a reflected light microscope was virtually impossible. Consequently, the evaluation was done using the electron microprobe at the University of Manitoba. Because image analysis was not employed, mineral abundances were estimated visually from BSE images. Even using the electron microprobe, the polish on one of the samples prohibited any analysis. Thus, the following brief description pertains to a cursory examination of two samples designated as 167 and 487 (i.e., 167 ft and 487 ft depth from collar in DDH KL95-2).

Description

The oxide minerals comprise approximately 25-30 volume% of both samples, with amphibole and plagioclase feldspar comprising the silicate gangue. The plagioclase feldspar is Ca-rich and probably corresponds to labradorite. The amphibole contains Si, Fe, Mg, Al, Ca, K, Na, and Ti, in that general order of abundance, and may correspond to ferro-pargasite, the dominant silicate in the north contact zone of the Pipestone Lake deposit. One grain of apatite was also observed.

The oxides form extremely coarse irregular masses oriented sub-parallel to the foliation. Ilmenite comprises 30-40 volume% of the oxide minerals, the remainder consisting solely of magnetite. No other oxide minerals were observed. Thus, ilmenite comprises approximately 8-12 volume% (or 10-15 weight%) of both samples, corresponding to a bulk TiO_2 assay of approximately 5-8% TiO_2. Ilmenite and magnetite are extremely coarse, do not exhibit intergrowths, but rather are equigranular with smooth grain boundaries. Ilmenite appears significantly coarser than in the north contact zone, Pipestone Lake. In so much as the oxide assemblage consists of large oriented aggregates of coarse-grained equigranular magnetite and ilmenite, it is texturally different from those in both the main/central and north contact zones at Pipestone Lake. Both samples contain 1-2 volume% pyrite, which is medium- to coarse-grained and occurs associated with the oxide minerals, commonly forming in interstitial spaces and enveloping the oxides.

Qualitative electron microprobe analysis was used to confirm mineral identities, whereas several compositions of ilmenite and magnetite were obtained by quantititive electron microprobe analysis to determine if these contained significant contaminants. Although the compositions were not corrected for instrumental drift (due to time constraints), the data are nonetheless considered quantitative. These are given below in Table 1.

The magnetite exhibits relatively pure compositions with minor amounts of V, Al and lesser Ti (i.e., means of 0.55% V, 0.44% Al and 0.24% Ti). The mean ilmenite composition contain 29.3% Ti, 0.64% Mn, 0.36% Mg and 0.22% V, and is thus moderately impure. V and Al are preferentially partitioned into magnetite, whereas Mn and Mg are preferentially partitioned into ilmenite. Neither magnetite nor ilmenite contain detectable Ca, with the exception of one composition of magnetite (i.e., 0.02% Ca).

Table 1. Chemical Compositions of Ilmenite and Magnetite

Element	Magnetite (No. 487)	Magnetite (No. 487)	Magnetite (No. 167)	Ilmenite (No. 487)	Ilmenite (No. 487)	Ilmenite (No. 167)
Al	0.22	0.18	0.91	0.03	0.02	0.02
Fe	72.56	72.93	69.66	38.03	36.43	37.93
Ca	0.00	0.00	0.02	0.00	0.00	0.00
Mg	0.00	0.00	0.09	0.36	0.36	0.37
Ti	0.15	0.03	0.53	29.14	30.33	28.41
Si	0.01	0.02	0.01	0.00	0.01	0.00
Mn	0.02	0.01	0.08	0.57	0.67	0.67
V	0.49	0.50	0.65	0.24	0.19	0.24
Cr	0.03	0.03	0.00	0.00	0.00	0.00
Zn	0.03	0.02	0.01	0.00	0.01	0.00
Ni	0.02	0.00	0.02	0.00	0.00	0.10
O	26.47	26.29	28.04	31.63	31.99	32.248

Note: 1. O was calculated by difference from 100.00%.
2. Compositions are not corrected for instrumental drift.
3. Sample identities shown in parenthesis.

Raymond E. Healy, President
February 7, 1995

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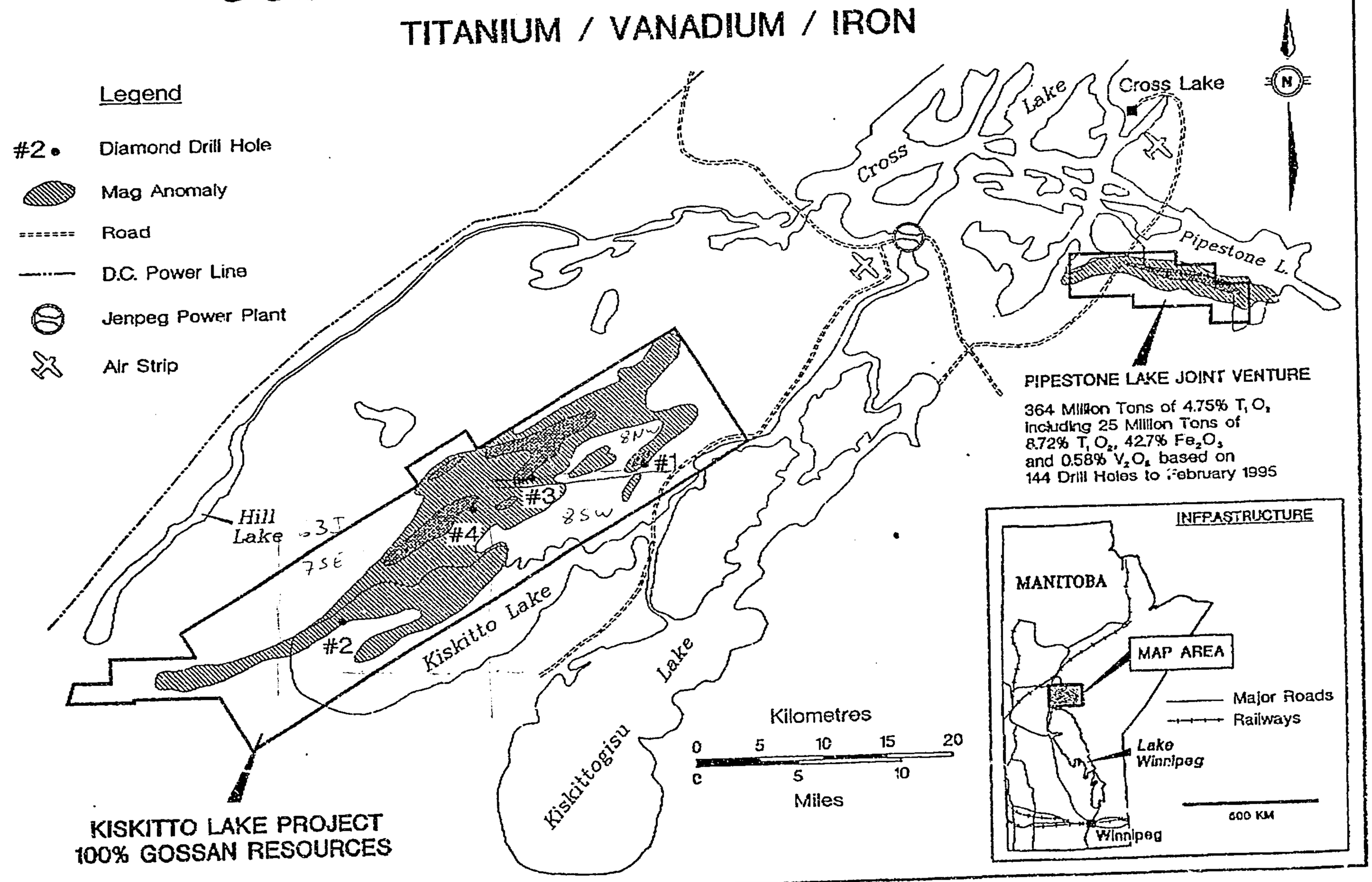
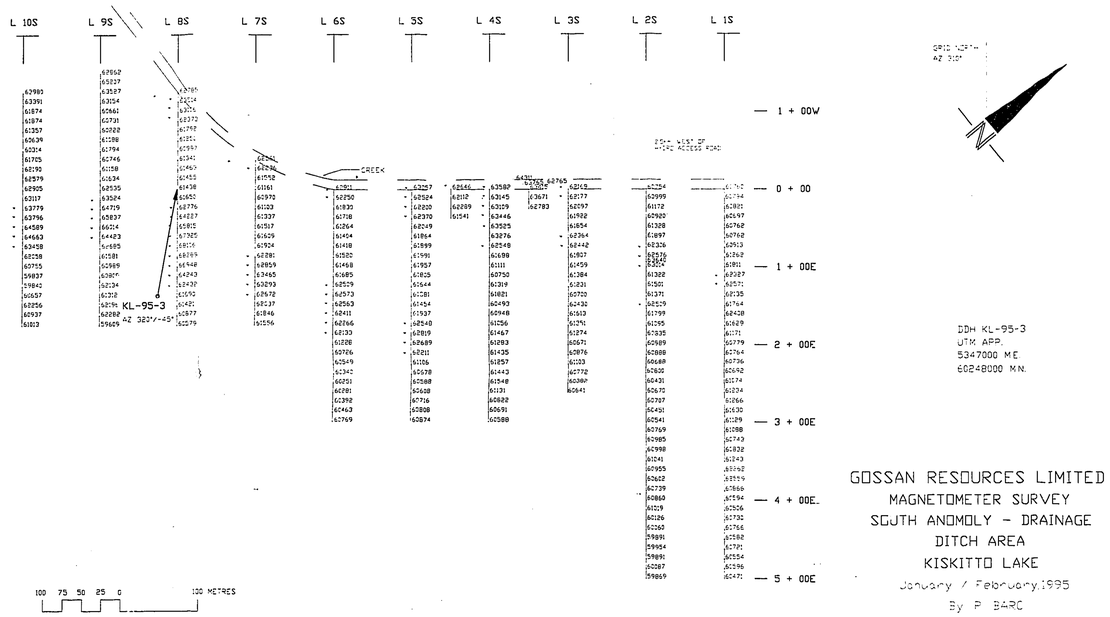
TITANIUM / VANADIUM / IRON





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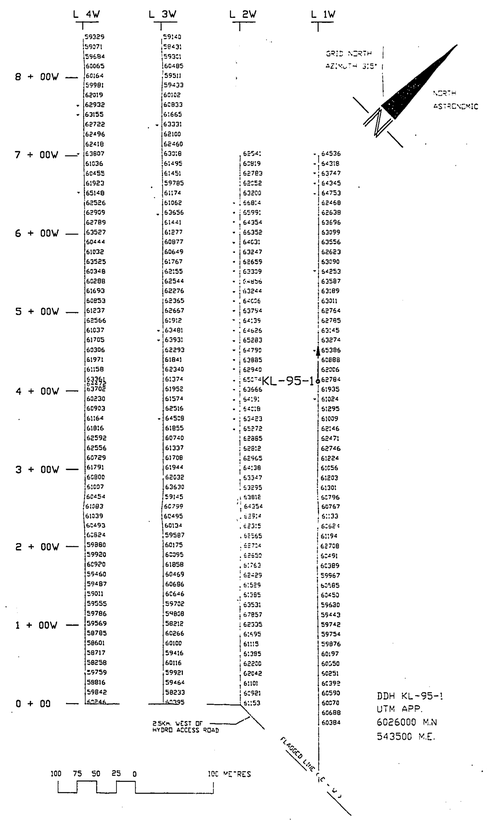
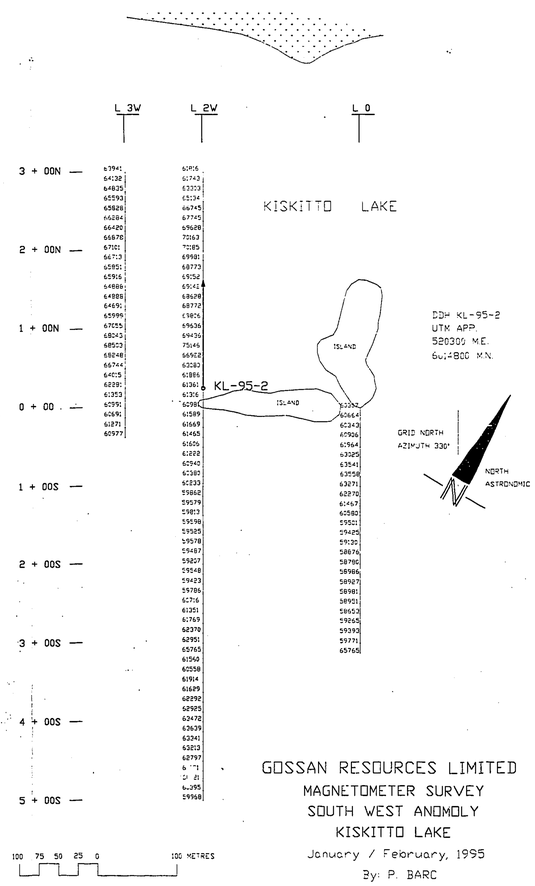
MAGNETOMETER SURVEY
SOUTH ANOMOLY - DRAINAGE
DITCH AREA
KISKITTO LAKE
January / February,1995
By P. BARC



GOSSAN RESOURCES LIMITED
MAGNETOMETER SURVEY
WEST OF HYDRO ROAD
KISKITTO LAKE
January / February, 1995
By: P. BARC



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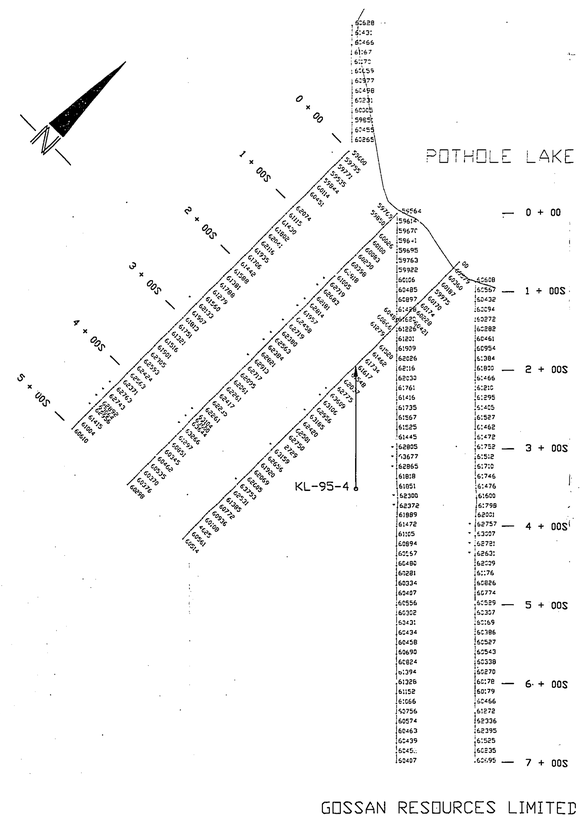
MAGNETOMETER SURVEY
SOUTH WEST ANOMOLY
KISKITTO LAKE
January / February, 1995
By: P. BARC

72.915



GOSSAN RESOURCES LIMITED
MAGNETOMETER SURVEY
POTHOLE LAKE
January / February, 1995
By: P. BARC