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Québec

O B A L S K I (1945) L T D.
(Caché Bay Chibougamau M.).

D.D.H.# 78,
88 to 140,

1956.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	#78	LOCATION	2745NW - 1525SW	DATE STARTED	Aug. 2nd,1956
DIP	45°	LAT.	DEP.	DATE FINISHED	Aug. 8th,1956
BEARING	180°	ELEVATION		LOGGED BY	A.E. Oakley
DEPTH	663.5 Ft.	DIP TESTS	45° at 100 Ft. - 42°30' at 250 Ft. 36°30' at 469 Ft. - 38° at 600 Ft.		

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders.
	60.0	
60.0		CORE MISSING (From old hole)
	85.0	
85.0		ANORTHOSITE Mainly fine to medium grained relic type feldspar, sections of medium to coarse fairly well developed brecciated feldspar laths, 70-80%. Low to medium pale grey green chlorite matrix, some black type chlorite in small sheared & fractured stringers. Negligible to low carbonate. Medium silica. Scattered white carbonate & quartz stringers & fractures, mostly barren.
	125.5	Fault Zone. Low altered feldspar remnants 2-5%. Medium to high black type chlorite. Negligible carbonate, probably leached out. Medium gouged material with evidence of brecciation. Medium shear, fair to good foliation 55-60° to C.A. throughout.
	129.8	
129.8		DYKE - Grey Quartz Diorite Light grey in color. Fine grained. Fairly massive. Negligible carbonate except in small stringers & fractures. Small scattered white feldspar phenos throughout.
	133.1	
133.1		ANORTHOSITE Mainly fine to medium grained relic & brecciated type feldspar 70-90%. Low pale grey green & green type chlorite matrix. Scattered sheared & fractured sections containing medium black type chlorite alteration also green grey type chlorite. Negligible carbonate. Medium to high silica. Sections of high silica are somewhat porphyritic in texture.
	198.0	Becoming very fine grained. Increasing amount of black type chlorite occurring in small fractures. Some low sulphides, mainly pyrite with some chalcopyrite.
	208.1	
208.1		DYKE - Grey Quartz Diorite. Medium grey in color. Fine grained. Fairly massive. Negligible carbonate. Medium silica. Many small white quartz eyes throughout. Contacts very sharp & chilled 45° to C.A.. Low sulphides in part, mainly cubic pyrite.
	211.5	
211.5		ANORTHOSITE Medium grained brecciated type feldspar 75-80%. Low grey green chlorite matrix. Negligible carbonate. Medium silica. Low patchy bluish alteration product.
	228.6	As above. Becoming much darker in color, very much finer grained. Relic type feldspar 75-85%. Low to medium grey green chlorite matrix. Scattered sheared sections containing medium to high black type chlorite, fair to good foliation at various angles , 35°, 45° & 55° to C.A. Scattered sections throughout medium to high silica, bluish in color with texture somewhat porphyritic.
	279.0	As above. Becoming much lighter in color, much more massive. Fine to medium relic & brecciated to complete

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) Limited

HOLE NO. #78

FOOTAGE		DESCRIPTION
		type feldspar 80-95%. Low to medium pale green chlorite in part. Negligible carbonate except in small scattered fractures.
	329.7	
329.7		DYKE - Grey Quartz Diorite Medium grey in color. Fine grained. Negligible carbonate except in small white fractures & stringers. Scattered small white feldspar & quartz eyes. Contacts very sharp & chilled at 55° to C.A.
	331.1	
331.1		ANORTHOSITE Relatively unaltered, fairly even textured. Medium grained brecciated type feldspar laths 75-85%. Low pale grey green chlorite matrix. Negligible carbonate. Medium silica. Low patchy mauve alteration product. Negligible sulphides, mainly disseminated pyrite. Small scattered sections of almost complete type feldspar.
	400.0	As above. Becoming fine to medium grained relic & brecciated type feldspar 70-85%. Low grey green chlorite matrix, some black type chlorite occurring in small fractures & in short sheared sections. Negligible carbonate. Medium silica. Low patchy mauve & brownish alteration product. Low sulphides, mainly cubic pyrite with some pyrrhotite & chalcopyrite.
	425.0	Anorthosite. Mineralized Fracture Zone. Fine grained relic type feldspar 65-70%. Low to medium grey green chlorite. Low dark grey to black type chlorite. Low to medium carbonate in part. Medium silica. Low to medium sulphides occurring along small carbonate rich fractures, mainly chalcopyrite with some pyrite & pyrrhotite. Some white mica in evidence. Note:- 432.0-434.0 Grey diorite dyke fairly well fractured containing low to medium sulphides, mainly chalcopyrite with some pyrite & pyrrhotite.
	465.0	Anorthosite. Becoming lighter in color, more massive. Fine grained relic to complete type feldspar 75-85%. Low pale grey green chlorite matrix. Little or no black type chlorite. Negligible carbonate except in first few feet. Medium to high silica in part. Low patchy brownish & blue alteration product occurs mainly in complete type feldspar. Low sulphides mainly disseminated cubic pyrite.
	552.7	As above. Sheared & Altered Zone. Fine grained relic type feldspar coalescing 40-10%. Low talcose throughout. Medium to high carbonate. Many small carbonate filled fractures, barren. Low shear, fair foliation mainly 45° to C.A. Little or no sulphides.
	561.2	Anorthosite. Fine to medium grained relic & brecciated type feldspar 70-80%. Low grey green chlorite matrix. Low carbonate in first few feet, decreasing.
	563.8	
563.8		DYKE - Grey Green Diorite. Medium grey green in color. Fine grained. Massive. Low to medium green chlorite. Medium to high carbonate, in contact phases, negligible carbonate in centre of dyke. Medium silica. Small scattered white carbonate filled fractures, barren. Contacts very sharp & chilled, upper irregular & brecciated, lower core badly broken. LOST CORE 575.0-576.5
	585.7	
585.7		ANORTHOSITE Fine to medium grained brecciated to complete type feldspar 70-85%. Low pale grey green & green chlorite

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #78

FOOTAGE		DESCRIPTION
	600.5	matrix. Negligible to low carbonate in part, mainly in contact phases of dyke. Low fracturing, poor foliation. Negligible sulphides, disseminated pyrite.
600.5	609.5	**FELDSPAR PORPHYRY DYKE** Light grey in color. Medium grained. Massive. Low carbonate. Medium silica. Many medium sized white feldspar phenos. Scattered bluish quartz eyes throughout Contacts very sharp & chilled, upper core broken, lower approximately 50° to C.A.
609.5	614.3	**DYKE - Grey Quartz Diorite** Medium grey in color. Fine grained. Massive. Low carbonate in lower contact phases. Medium silica. Fine grained speckling throughout, mainly quartz & some feldspar. Contacts quite sharp & some chilling, upper seems to be approximately 50° to C.A., lower broken.
614.3	618.5	**ANORTHOSITE** Fine grained relic & brecciated type feldspar 70-80%. Low pale grey green chlorite matrix. Low carbonate in part. Medium silica. Low sheared in part, fair foliation approximately 50° to C.A.. Fair amounts of greyish carbonate material between 617.1 & 618.5
618.5	645.7	**DYKE - Grey Green Diorite** Medium grey green in color. Fine grained. Massive. Low chlorite in part. Medium carbonate throughout. Much fine grained speckling probably quartz & feldspar. Contact phases very sharp & chilled, upper at 50°, lower at 30° to C.A.. Some negligible sulphides, mainly pyrrhotite occurring mostly with carbonate rich fractures.
645.7	653.6	**ANORTHOSITE** Fine to medium grained relic & brecciated type feldspar 75-85%, sections of complete type feldspar 95%. Low grey green chlorite matrix. Negligible carbonate. Medium silica. Low patchy bluish alteration product. Negligible sulphides, pyrite & chalcopyrite occurring in dark grey green chlorite.
653.6	663.5	**DYKE - Grey Green Diorite** Medium grey green in color. Fine grained. Massive. ~~xxxx~~ Medium chlorite. Medium carbonate except in contact phases. Much fine grained speckling throughout, probably carbonate. Small scattered white carbonate & quartz fractures, barren. Contacts sharp, upper in at 60° to C.A. **END OF HOLE**

ASSAY RETURNS

Lab. No.	Sample No.	Footage	Width	Au.	Cu.
	#1494	425.0-429.8	4.8'	.01	1.000
428	#237	429.8-431.3	1.5'	Tr.	0.810
429	#238	431.3-434.0	2.7'	.04	1.485
430	#239	434.0-435.0	1.0'	.04	2.610
	~~#100~~ 1495	435.0-436.9	1.0'	.01	0.900
431	#240	460.6-461.2	0.6'	.03	3.465
432	#241	461.2-463.0	1.8'	Tr.	

.014 Au } over 10'
1.22 Cu }

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	88	LOCATION	4400NW - 2850SW	DATE STARTED	Feb.12th,1956
DIP	45°	LAT.	DEP.	DATE FINISHED	Feb.18th,1956
BEARING	215°	ELEVATION		LOGGED BY	G.G. Caron
DEPTH	607.0 Ft.	DIP TESTS			

FOOTAGE		DESCRIPTION
0.0	91.0	CASING
91.0	133.4	GREY ANORTHOSITE - GABBRO HYBRID Shearing slickensides. 95.8' speck of chalcopyrite. At 99.5' - 6" diabase dyke. Anorthosite cut by gabbro dykes. Transitional contacts.
133.4	136.3	ACID DYKE Note leucoxene.
136.3	141.0	ANORTHOSITE Gabbro hybrid.
141.0	144.3	GABBRO DIABASIC
144.3	150.0	BASIC PORPHYRY Anorthosite hybrid. Speck of chalcopyrite at 147'.
150.0	225.0	GABBRO ANORTHOSITE HYBRID
225.0	241.0	PALE GREY ANORTHOSITE Contact - with chloritized brecciated rock - possibly minor horizon of pyrotite clastic - disseminated mineralization throughout rest of box chalcopyrite, pyrrhotite. At 241' - 5" of massive pyrrhotite, minor chalcopyrite.
241.0	261.0	GREY ANORTHOSITE Slightly porphyritic in places, cut by grey aplitic dykes about 1 foot wide at 243' and 248.4'. This section is also disseminated with chalcopyrite and pyrrhotite throughout less than 1%. Most mineralization appears to have been intruded with quartz veins. Mineralization stops at 249.5'
261.0	270.2	SOME WHITE ANORTHOSITE
270.2	326.0	BRECCIATED ZONE Minor chalcopyrite, pyrrhotite & pyrite mineralization, less than .5% At 291' - 1" massive pyrite, some chalcopyrite. This horizon is a chloritized altered Anorthosite. 319.4 contact gradational. Light Anorthosite. 305.2-317.2 Disseminated mineralization.Chalcopyrite, pyrrhotite less than .5%.
326.0	337.5	ALTERED ANORTHOSITE Minor disseminated chalcopyrite throughout - less than .5%

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 88

FOOTAGE		DESCRIPTION
337.5		CONTACT Fine grained diorite or intermediate rock. 351.0-352.0 Grey rhyolitic or silicified dyke. Note chilled edge. 359.5 Rock becoming brecciated - specks of chalcopyrite, pyrrhotite throughout.
	355.5	
355.5		CONTACT Chloritized & sericitized breccia & altered Anorthosite hybrid. More mineralization is observed in chloritized breccia. It consists mostly of pyrrhotite. Specks of chalcopyrite.
	375.0	
375.0		GREY ANORTHOSITE & ALTERED ANORTHOSITE HYBRID Note blue alteration which appears favourable host. Well mineralized with pyrrhotite in inch section - specks of chalcopyrite.
	400.0	
400.0		POSSIBLE DIORITE DYKE Grey - fine grained - sericitized.
	406.5	
406.5		ANORTHOSITE 408.8-409.0 grey silicified rhyolite dyke, possible minor rhyolitic bedded tuff horizon. Note bedding distorted. Specks of chalcopyrite.
	409.4	
409.4		MEDIUM - FINE GRAINED DIORITE Contact. Note chilled edge on diorite - very similar to minor dykes.
	427.0	
427.0		ANORTHOSITE Blue alteration spots. No mineralization.
	437.2	
437.2		PORPHYRY DYKE Excellent horizon for measuring minor movements.
	441.5	
441.5		ANORTHOSITE Sparse mineralization from 447'.
	450.2	
450.2		SERICITIZED DYKE - DIORITIC
	454.0	
454.0		ANORTHOSITE ALTERED 464' ,ineralized chalcopyrite,pyrrhotite sparse.
	475.0	
475.0		ANORTHOSITE
	484.0	
484.0		ALTERED ANORTHOSITE 488' - 4" pyrrhotite 1% specks of chalcopyrite.
	489.0	
489.0		ANORTHOSITE GREY
	494.6	
494.6		DIORITE DYKE Fine grained.
	497.3	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 88

FOOTAGE		DESCRIPTION
497.3	543.5	ANORTHOSITE 523.5 - 6" diorite dyke.
543.5	575.0	DIORITE DYKE Mineralized - pyrrhotite less than 1%. Specks of chalcopyrite. Note chilled edge. Mineralized at 563' (2"), 567' (1"), 569.3' (1"), 570.5' (1½"), speck of chalcopyrite at 562'.
575.0	575.5	4" QUARTZ VEIN
575.5	576.7	GRAY DYKE
576.7	607.0	ANORTHOSITE Minor mineralization at 576.2' (1"), 591' (3"), 590' (7") pyrrhotite & chalcopyrite. END OF HOLE

A S S A Y   R E T U R N S

Lab. No.	Sample No.	Footage	Width	Au.	Cu.
	1391	236.3-241.4	5.1'	.01	0.100
	1392	450.2-454.0	3.8'	.01	0.450

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 90 LOCATION 2600NW - 2700SW DATE STARTED February 1956

DIP 45° LAT. DEP. DATE FINISHED February 1956

BEARING 215° ELEVATION Lake LOGGED BY

DEPTH 50.0 Ft. DIP TESTS No Tests Taken

FOOTAGE	DESCRIPTION
0.0	CASING - Water, Sand & Gravel
50.0	

NOTE:- Hole was lost before bedrock was encountered.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 90 A | LOCATION 2600NW - 2700SW | DATE STARTED Feb. 23rd,1956

DIP 45° | LAT. _____ DEP. _____ | DATE FINISHED Mar. 2nd,1956

BEARING 215° | ELEVATION 0.0' | LOGGED BY R. B. Graham

DEPTH 520.0 Ft. | DIP TESTS _____

FOOTAGE		DESCRIPTION
0.0	81.0	CASING - 25 feet water - 56 feet overburden.
81.0	115.6	ANORTHOSITE BRECCIA Some bluish grey matrix in the top 2 feet, remainder green chlorite and buff carbonate matrix.
115.6	135.8	GREY QUARTZ DIORITE DYKE Upper & lower contacts ground.
135.8	139.0	ANORTHOSITE Replaced by sericite and some chlorite.
139.0	189.0	ANORTHOSITE BRECCIA
189.0	236.0	GREY QUARTZ DIORITE DYKE SWARM Contacts at 20-25° ro C.A. 189.0-190.5 10% pyrrhotite in brecciated grey quartz diorite dyke. 210.0-212.5 As above with a small amount of chalcopyrite. Very little alteration of the Anorthosite within the swarm.
236.0	317.0	ANORTHOSITE BRECCIA 260.5-261.0 Grey quartz diorite dyke.
317.0	321.0	GREY FELDSPAR PORPHYRY DYKE Contacts ground.
321.0	398.0	ANORTHOSITE BRECCIA 335.0-342.0 Patches of black chlorite alteration.
398.0	403.0	DARK GREY MASSIVE QUARTZ DIORITE DYKE
403.0	447.0	ANORTHOSITE BRECCIA Becomes 35% chlorite matrix towards end of section.
447.0	451.0	ANORTHOSITE BRECCIA Replaced by chlorite, sericite and silica.
451.0	456.0	ANORTHOSITE BRECCIA
456.0	458.5	GREY FELDSPAR PORPHYRY DYKE

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 90

FOOTAGE		DESCRIPTION
458.5		ANORTHOSITE BRECCIA
		466.0-467.5 Yellowish green replacement.
	495.5	
495.5		GREY QUARTZ DIORITE DYKE
	508.5	
508.5		ANORTHOSITE BRECCIA
		As from 458.5-495.5
	520.0	END OF HOLE

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 89 LOCATION 4700NW - 2690 SW DATE STARTED Feb. 16th,1956

DIP 55° LAT. DEP. DATE FINISHED Feb. 23rd,1956

BEARING 215° ELEVATION LOGGED BY R.B. Graham

DEPTH 592.6 Ft. DIP TESTS

FOOTAGE		DESCRIPTION
0.0		CASING
	56.0	
56.0		ANORTHOSITE BRECCIA With white massive phases. Matrix of breccia is greenish chlorite with some scattered luecoxene. 156.3-226.7 black chlorite replacement in sections up to 3 feet. These contain pyrrhotite with chalcopyrite estimated at less than 0.5% copper.
	312.0	
312.0		GREEN DIORITE DYKE Upper and lower contact dip at 50° to core axis.
	324.7	
324.7		ANORTGOSITE BRECCIA 331.0-334.7 grey massive quartz diorite dyke. 336.3-344.4 grey massive quartz diorite dyke. 344.5-396.0 grey massive quartz diorite dyke. Contacts at 50° to core axis. 419.0-466.0 as from 156.3-226.7 sparse chalcopyrite and pyrrhotite. Less than 0.5% copper.
	466.0	
466.0		GREEN DIORITE DYKE Contacts dip at 60° to core axis.
	499.5	
499.5		ANORTHOSITE BRECCIA Mottled black chloritic replacement. 540.0-545.0 pyrrhotite and chalcopyrite. Less than 0.5% copper.
	585.0	
585.0		GREEN DIORITE DYKE Upper contact at 40° to C.A.
	592.6	END OF HOLE

A S S A Y R E T U R N S

Lab. No.	Sample No.	Footage	Width	Au.	Cu.
	1387	162.0-165.0	3.0'	.01	0.05
	1386	540.0-545.0	5.0'	.01	0.15%

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 91 LOCATION 4460NW - 2875SW DATE STARTED Feb. 24th,1956

DIP 45° LAT. _____ DEP. _____ DATE FINISHED Feb. 28th,1956

BEARING 215° ELEVATION _____ LOGGED BY R.B. Graham

DEPTH 237.0 Ft. DIP TESTS _____

FOOTAGE		DESCRIPTION
0.0		CASING - 22.0' Water - 36.2' Overburden
	58.2	
58.2		ANORTHOSITE BRECCIA Green chlorite matrix.
	69.0	
69.0		GREY QUARTZ DIORITE DYKE Upper contact dips at 90° to core axis. Lower contact dips at 60° to core axisé
	78.8	
78.8		ZONE OF BLACK CHLORITE REPLACEMENT Cut by quartz and carbonate veinlets. 105.0-110.0 siliceous zone with milky quartz veinlets up to 1 foot wide. Probably an expression of the quartz vein in the surface showing. 115.0-118.0 Grey quartz diorite dyke. Upper contact ground. Lower contact dips at 60° to core axis. This zone mineralized with pyrrhotite 10% and chalcopyrit Copper content would be under 1%.
	128.5	
128.5		WHITE ANORTHOSITE BRECCIA With a few patches up to 6 inches long of black chlorite replacement to 143.0'.
	215.0	
215.0		GREEN DIORITE DYKE Upper contact ground
	237.0	END OF HOLE.

A S S A Y R E T U R N S

Lab. No.	Sample No.	Footage	Width	Au.	Cu.
	1388	78.6-83.6	5.0'	.01	0.050
	1389	83.6-88.6	5.0'	.01	0.050
	1390	95.0-100.0	5.0'	.01	0.050

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 92 LOCATION 4300NW - 3250SW DATE STARTED March 1956

DIP 45° LAT. DEP. DATE FINISHED March 1956

BEARING 35° ELEVATION Lake LOGGED BY

DEPTH 120.0 Ft. DIP TESTS None taken.

FOOTAGE	DESCRIPTION
0.0	CASING - Water, Sand & Gravel.
120.0	

NOTE:- This hole was lost before reaching bedrock.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #92A LOCATION 4700NE - 2855SW DATE STARTED Mar. 6th, 1956

DIP 45° LAT. DEP. DATE FINISHED Mar. 12th, 1956

BEARING 210° ELEVATION LOGGED BY A.E. Oakley

DEPTH 600.0 Ft. DIP TESTS

FOOTAGE		DESCRIPTION
0.0		CASING - Sand & Gravel.
	46.0	
46.0		ANORTHOSITE Light in color. Fine grained. Low chlorite. Medium to high silica. Relic to complete type feldspar 95%.
	46.6	
46.6		DYKE - Fine grained Quartz Diorite. Medium grey in color. Fine grained. Massive. Low chlorite. Low carbonate. Medium silica. Much fine grained quartz & feldspar speckling throughout. Sharp chilled contacts at 45° to C.A.. Small irregular carbonate filled fractures. One rusted quartz stringer at 55.5
	56.1	
56.1		ANORTHOSITE Fine to medium grained. Low alteration. Light greyish green in color. Low chlorite. Medium carbonate alteration. Medium silica. Medium fracturing to low shear. Small sections containing black type chlorite. Mainly relic type feldspar 70-80%. Several small Acid type Dyke with one medium sized one between 63.0-65.0
	68.7	Anorthosite. Sheared Alteration Zone. Dark grey to black in color. Fine grained. Medium to high black chlorite. Medium carbonate. Low silica. Low tomedium shear, fair foliation in part at 55° to C.A.. Fine grained relic feldspar, altered in part 30-40%. Many small white carbonate & quartz stringers & fractures, some containing negligible to low amounts of sulphides, pyrrhotite & negligible chalcopyrite.
	81.2	
81.2		DYKE - Intermediate to Acid. Quartz Diorite. Medium grey in color. Fine grained. Massive. Low chlorite. Medium carbonate. Medium silica. Much fine grained feldspar & quartz speckling throughout. Scattered carbonate filled fractures & stringers mostly in chilled contacts, some mineralized with low amounts of pyrrhotite & some chalcopyrite. Sharp chilled contacts in at 45° to C.A.
	128.6	
128.6		ANORTHOSITE Light greenish to white in color. Fine grained. Negligible chlorite. Negligible carbonate. Medium to high silica. Mainly complete type feldspar 95%. Patchy brownish alteration product.
	132.6	
132.6		DYKE - Acid. Fine grained Quartz Diorite. Fine grained. Light grey in color. Massive. Negligible chlorite. Medium carbonate. Medium silica. Much fine grained quartz & feldspar speckling throughout. Small scattered carbonate & quartz stringers & fractures. Sharp chilled contacts but core broken.
	137.2	
137.2		ANORTHOSITE Light greyish green in color. Fine grained. Low chlorite, Light greenish to black type. Negligible carbonate. Medium silica. Low patchy brownish alteration product, leucoxene.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #92A

FOOTAGE		DESCRIPTION
		Small sections low shear containing black type chlorite & small carbonate stringers, barren.
	151.8	
151.8		DYKE - Acid Type. Light grey in color. Fine grained. Negligible carbonate. Medium silica. Low shear or fracturing at 45° to C.A.. Small carbonate filled stringers, barren. Contacts quite sharp at approximately 45° to C.A.
	152.8	
152.8		ANORTHOSITE - Altered & Sheared. Fine grained. Low to high black type chlorite. Low carbonate. Medium silica. Scattered white carbonate quartz stringers & veins containing irregular chlorite inclusions , barren. Low to medium shear in part, fair foliation at approximately 55° to C.A.. Mainly fine relic feldspar throughout 80-95%. Some patchy brownish to mauve alteration product.
		LOST CORE 173.3-180.0
	238.2	Anorthosite. Fine to medium grained. Light greenish grey in color. Low greenish & small sections of medium black type chlorite. Negligible carbonate. Medium to high silica. Relic to complete type feldspar 80-95%. Some patchy brown alteration product, leucoxene.
	277.2	
277.2		DYKE - Acid Type. Light grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Fine grained carbonate speckling throughout. Irregular white carbonate filled fractures. Contacts sharp at 40° to C.A.
	279.8	
279.8		ANORTHOSITE Light in color. Negligible chlorite. Negligible carbonate. Medium to high silica. Relic to complete type feldspar 85% White quartz carbonate filled fractures.
		LOST CORE 261.6-283.2
	283.2	
283.2		DYKE - Intermediate to Acid. Fine grained. Massive. Low chlorite. Medium carbonate. Medium silica. Much fine grained carbonate & feldspar speckling throughout. A few scattered carbonate quartz filled fractures. Sharp chilled contacts at 65° to C.A.
		LOST CORE 284.3-286.5
	297.8	
297.8		ANORTHOSITE Light in color. Fine grained. Negligible chlorite. Negligible carbonate. Medium to high silica. Mainly complete type feldspar 95%. Some brownish to mauve alteration product.
	299.9	
299.9		DYKE - Acid Type. Light grey in color. Fine grained. Medium carbonate. Medium silica. Low irregular fracturing. Sharp contacts at 50° to C.A.
	301.8	
301.8		ANORTHOSITE Light in color. Fine grained. Low chlorite in part. Negligible carbonate. Medium to high silica. Mainly complete type feldspar 95%.
	306.5	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #92A

FOOTAGE		DESCRIPTION
306.5		DYKE - Acid. Light grey in color. Fine grained. Medium carbonate. Medium silica. Low irregular fracturing. Sharp contacts but broken
	308.2	
308.2		ANORTHOSITE Light in color. Low chlorite, greenish grey type. Negligible carbonate. Medium to high silica. Closely packed medium grained feldspar laths 95%.
	313.6	
313.6		DYKE Light grey in color. Fine grained. Negligible carbonate. Medium silica. Fine grained white quartz feldspar speckling throughout. Sharp chilled contacts at 50° to C.A.
	317.3	
317.3		ANORTHOSITE Light in color. Fine grained. Massive. Negligible chlorite. Low carbonate. Medium to high silica. Mainly complete lt type feldspar 95%. Negligible sulphides, one small bleb of chalcopyrite at 319.2 & some fine disseminated pyrite in lower contact.
	322.0	
322.0		DYKE - Acid Type. Light grey in color. Fine grained. Negligible carbonate. Medium silica. Fine grained white quartz feldspar speckling throughout.
	323.0	
323.0		QUARTZ VEIN. White quartz carbonate. Fairly well fractured. Negligible to low sulphides, pyrrhotite & some chalcopyrite.
	325.3	
325.3		ANORTHOSITE Light grey in colos. Fine grained. Low chlorite, greyish type. Low carbonate. Medium to high silica. Mainly relic type feldspar 80-90%.
	328.8	
328.8		DYKE - Acid Type. Feldspar Porphyry in part. Light grey in color. Fine grained. Massive. Medium carbonate. Fine grained bluish quartz speckling. Several inclusions of Anorthosite up to 1.0' . Fine grained chilled contacts 35-45° to C.A.
	342.7	
342.7		ANORTHOSITE - ALTERATION ZONE. Light grey ro black in color. Fine grained. Low to medium chlorite, black type in small sections throughout. Medium carbonate alteration. Medium silica. Fine grained relic feldspar 85%. Scattered irregular white quartz & carbonate fractures & veinlets, some containing white mica in contacts & inclusions, barren.
	380.0	
380.0		DYKE - Acid Type. Feldspar Porphyry. Light greenish grey in color. Fine grained. Negligible chlorite. Negligible carbonate. Medium silica. Many small white feldspar phenos. White carbonate quartz filled fractures. Sharp chilled contacts but core badly broken, possibly at 45° to C.A.
	384.5	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #92A

FOOTAGE		DESCRIPTION
384.5	439.6	ANORTHOSITE - ALTERATION ZONE. Light grey to black in color. Fine grained. Low to medium chlorite, black type in small sections throughout. Medium carbonate alteration. Medium to high silica. Fine grained relic feldspar 85-95%. Patchy brownish to mauve alteration product.
439.6	440.7	DYKE - Acid Type. Feldspar Porphyry. Light greenish grey in color. Fine grained. Massive. Medium carbonate. Medium silica. A few small feldspar phenos. S Sharp chilled contacts at 55° to C.A.. Scattered white carbonate filled fractures.
440.7		ANORTHOSITE - ALTERATION ZONE. As above.
	486.5	Anorthosite as above. Slight decrease in alteration. Becoming slightly darker in color. Low greenish chlorite, small sections black chlorite. Low to medium carbonate. Medium silica. Fine to medium grained relic & brecciated feldspar 80-85%. Small scattered sections low shear, containing white carbonate & quartz stringers & veinlets, fair foliation at 50° to C.A.. One stringers at 508.3 contains low pyrrhotite.
	518.4	
518.4	529.6	DYKE - Acid Type. Altered Feldspar Porphyry. Light grey in color. Fine grained. Massive. Medium carb. Medium silica. Much fine grained carbonate speckling throughout, probably altered feldspar. Irregular white carbonate quartz stringers & veins, barren. Sharp chilled contacts at 55° to C.A..
529.6		ANORTHOSITE - ALTERATION ZONE. Dark grey to black in color. Fine grained. Medium to high black type chlorite alteration. Low to medium carbonate in part. Medium silica. Fine grained relic feldspar 0-25%, increasing towards 538.0 . Low shear, poor foliation. Scattered white carbonate rich stringers & veinlets, barren
	538.0	Anorthosite. Alteration Zone. Medium grey to black in color Low to medium black type chlorite alteration. Low carbonate. Medium silica. Fine grained relic feldspar 70-80%. Low shear in part, fair foliation at 50° to C.A.. Small scattered white carbonate stringers & fractures.
	550.5	Anorthosite. Low alteration. Light greenish grey in color. Fine to medium grained. Low greenish to black chlorite. Medium carbonate in part. Medium silica. Fine to coarse relic to complete type feldspar 80-95%. Low shear in part containing black type chlorite, fair foliation but variable Section between 563.0-564.0 shows evidence of dragfolding. LOST CORE 585.0-590.0
	600.0	END OF HOLE

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
H H 798	#1399	68.7-75.2	6.5'	Tr	0.100
799	#1400	75.2-81.2	6.0'	Tr	0.100
800	#1401	323.0-325.3	2.3'	Tr	—

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #93 LOCATION 2000NE - 2075SW DATE STARTED Mar. 13th,1956

DIP 60° LAT. DEP. DATE FINISHED Mar. 18th,1956

BEARING 220° ELEVATION Lake LOGGED BY A.E. Oakley

DEPTH 320.0 Ft. DIP TESTS

FOOTAGE		DESCRIPTION
0.0		CASING - Water, Sand & Gravel.
	161.8	
161.8		ANORTHOSITE - Sheared. Greyish green in color. Low chlorite. Negligible carbonate. Negligible silica. Relic & brecciated & elongated feldspar laths 60%. Medium shear, fair foliation at 35° to C.A., low to medium talcose. LOST CORE 169.0-171.4
	171.4	
171.4		HIGH SERICITIC SHEAR - Anorthosite. Light brown in color. Fine grained. Low greenish & black chlorite. Negligible carbonate. Negligible silica. Medium to high shear, good foliation at 45° to C.A., but core badly broken. Relic feldspar in evidence. No evidence of sulphides but core badly weathered, quite porous in part. LOST CORE 173.3-173.8 " " 175.0-176.6 " " 177.4-178.4 " " 179.5-180.0 " " 180.8-182.0 " " 182.8-183.7 " " 184.5-185.0 " " 185.9-186.9 " " 187.7-188.7 " " 189.5-190.0 " " 191.2-192.7 " " 193.5-194.5 " " 195.7-197.0 " " 197.8-198.9 " " 200.0-202.4 " " 203.1-204.5 " " 205.0-206.6 " " 207.4-209.2 " " 210.0-211.7 " " 212.8-213.7 " " 214.2-220.0 " " 222.6-223.9 " " 226.5-227.4 " " 228.0-229.3 " " 231.0-232.2 " " 234.0-235.0
	235.0	
235.0		DYKE Fine grained. Core badly rusted & broken. Negligible carbonate. Medium silica. Small feldspar remnants. Small white quartz stringers, containing fine disseminated pyrite. LOST CORE 236.1-237.8
	238.6	
238.6		HIGH SERICITIC SHEAR - Anorthosite. Light brown in color. Low chlorite, green & black. Negligible carbonate. Negligible silica. Relic & elongated feldspar 60-70%. Medium to high shear, good foliation at approximately 45° to C.A., but core badly broken.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #93

FOOTAGE	DESCRIPTION
	LOST CORE 238.6-240.8
	" " 241.4-243.6
	" " 245.0-246.3
	" " 247.6-249.5
	" " 251.0-252.9
	" " 253.7-254.6
	" " 255.4-256.2
	" " 257.7-258.3
258.3	Anorthosite. Becoming less sheared. More massive. Light brownish in color. Fine grained. Low chlorite. Negligible carbonate. Medium silica. Relic to complete type feldspar 80-90%. Low shear decreasing towards 283.6. Core still badly broken & weathered. Still much lost core.
	LOST CORE 260.0-260.8
	" " 262.3-262.8
	" " 263.7-264.4
	" " 265.7-266.4
	" " 267.6-269.6
	" " 270.8-271.7
	" " 272.2-272.8
	" " 273.4-274.1
	" " 275.5-276.0
	" " 277.6-279.1
	" " 280.0-283.6
283.6	
283.6	ANORTHOSITE Light greenish grey in color. Medium grained. Becoming quite massive. Low chlorite. Low carbonate. Medium silica Medium grained to complete feldspar 80-95%. Spotty brownish alteration product. Note:- Core recovery a littl better but still much lost core.
	LOST CORE 285.2-287.7
	" " 300.0-302.4
	" " 303.3-305.5
	" " 316.2-318.4
320.0	END OF HOLE

NO SAMPLES

DIAMOND DRILL LOG

OBaLSKI (1945) LIMITED

HOLE NO. #94 LOCATION 5000NE - 2800SW DATE STARTED March 1956

DIP 45° LAT. DEP. DATE FINISHED March 1956

BEARING 215° ELEVATION Lake LOGGED BY A.E. Oakley

DEPTH 650.0 Ft. DIP TESTS

FOOTAGE		DESCRIPTION
0.0		CASING - Water, Sand & Gravel.
	20.6	
20.6		ANORTHOSITE Light greenish grey in color. Low chlorite, greenish & grey type. Low carbonate in part. Medium silica. Mainly fine grained relic & brecciated feldspar 80-95%. Small scattered sections mauve alteration product, some containing appreciable amounts of chalcopyrite. LOST CORE 65.0-67.0
	77.5	As above. Small scattered sections up to 1.0' medium black type chlorite. Spotty brownish to buff alteration product. Complete type feldspar increasing, 90-95%. LOST CORE 136.0-140.0 " " 214.5-215.0
	221.5	
221.5		DYKE - Intermediate to Acid. Medium greyish in color. Fine grained. Massive. Low chlorite, dark greenish type. Medium carbonate. Medium silica. White & bluish carbonate stringers & fractures, barren.
	228.0	As above. Altered. Black in color. Fine grained. Medium to high black type chlorite. Medium carbonate. Low silica. White carbonate filled fractures & stringers in at 40-60° to C.A., barren. LOST CORE 232.0-234.0
	234.0	
234.0		ANORTHOSITE Light to dark greyish in color. Low to medium chlorite in part, black type. Low carbonate. Medium silica. Mainly relic to complete type feldspar 80-95%.
	238.1	
238.1		DYKE - Acid Type. Light grey in color. Fine grained. Massive. Medium carb. Medium silica. A few small white carbonate filled fractures, barren.
	253.0	
253.0		ANORTHOSITE Light to medium grey in color. Low to medium chlorite in part, mostly pale greenish but sections up to 1.0' black type. Negligible carbonate. Medium silica. Some relic but mostly complete type feldspar 80-95%. Spotty brownish alteration product. Note 285.7-286.1 Dyke - Acid Type. Barren. LOST CORE 283.0-285.0
	327.8	
327.8		DYKE - Fine grained Quartz Diorite. Dark grey in color. Fine grained. Massive. Low chlorite. Low carbonate. Medium silica. Much fine grained quartz throughout. Small scattered white carbonate stringers. Fine grained chilled contacts quite sharp.
	348.3	
348.3		ANORTHOSITE Light in color. Negligible to low chlorite. Low carbonate. Medium to high silica. Fine relic to complete type feldspar 80-95%. Small scattered quartz & carbonate strs.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1946) LIMITED

HOLE NO. #94

FOOTAGE	DESCRIPTION
	& veinlets, barren. One small Dyke between 357.0-357.3
363.0	
363.0	DYKE - Acid. Feldspar Porphyry. Light grey in color. Very fine grained. Massive. Low to medium carbonate. Medium silica. Small scattered white feldspar phenos. Small scattered white carbonate & quartz stringers, barren. Low shear or fracturing 35-40° to C.A. Contacts quite sharp but core broken.
376.3	
376.3	ANORTHOSITE Light grey in color. Medium black type chlorite in part. Low carbonate. Medium to high silica. Mainly complete type feldspar 80-95%, with relic feldspar in part. Scattered sections up to 2.0' negligible to low shear, medium to high black type chlorite, some containing negligible amounts of sulphides, chalcopyrite. Spotty brownish to mauve alteration product increasing from 440.0-469.8 LOST CORE 462.5-467.2
469.8	
469.8	DYKE - Acid. Light grey in color. Fine grained. Low carbonate. Medium to high silica. White carbonate stringers. Much lost core. Core badly broken. LOST CORE 470.0-473.5
473.5	
473.5	ANORTHOSITE Light greyish to black in part. Low greenish to high black chlorite in part. Low carbonate. Medium silica. Relic to complete type feldspar 70-95%. Scattered sections up to 1.5' low shear 25-35° to C.A. containing medium to high black type chlorite. Small irregular white carbonate & quartz stringers & fractures, barren. Spotty brownish alteration product.
490.9	
490.9	DYKE - Acid. Feldspar Porphyry. Light grey in color. Fine grained. Massive. Negligible to low carbonate. Medium silica. Many small white feldspar phenos. Irregular white carbonate stringers, barren. Contacts quite sharp but core broken.
496.7	
496.7	ANORTHOSITE Light in color. Negligible to low greenish & black type chlorite in part. Negligible carbonate. Medium to high silica. Low sheared sections between 498.1-501.0 poor foliation, containing black type chlorite, some carbonate.
504.0	
504.0	DYKE - Acid. Altered Feldspar Porphyry. Light in color. Fine grained. Medium carbonate alteration. Medium silica. Ghost type feldspar phenos. Small irregular carbonate quartz stringers, barren.
505.2	
505.2	ANORTHOSITE Light greyish in color. Fine grained. Low greenish & black chlorite. Low carbonate. Medium silica. Fine grained relic to complete type feldspar 80-95%. Section between 509.6-511.2 medium shear, fair foliation 40° to C.A?, medium black type chlorite, medium carbonate, small white carbonate stringers & veinlets. One small carbonate

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #94

FOOTAGE		DESCRIPTION
		veinlet at 510.3 contains excellent type sulphides, chalcopyrite.
		LOST CORE 515.0-519.0
	536.6	
536.6		DYKE - Acid Type. Light grey in color. Fine grained. Massive. Low carbonate Medium silica. Small scattered white carbonate stringers & fractures, barren. Contacts quite sharp in at 55° to C.A.
	538.5	
538.5		ANORTHOSITE Light greyish in color. Fine to medium grained. Low chlorite, greenish type. Low carbonate in part. Medium silica. Fine to medium relic & brecciated to complete type feldspar 70-85% in part. Scattered sections greenish chlorite alteration containing much brownish to mauve alteration product, leucoxene. Suggestion of low shear, poor foliation.
	567.0	As above. Becoming lighter in color. Low black type chlorite in small sections. Low carbonate. Medium silica. Feldspar content increasing, mainly fine grained relic type, sections of complete feldspar alteration 80-95%. Low shear suggested throughout at approximately 55° to C.A.. Spotty brownish alteration product, leucoxene. Scattered white carbonate stringers & veinlets, barren. One at 568.2 contains low sulphides, pyrrhotite.
		LOST CORE 595.0-595.5
	614.2	As above. Light greenish in color. Low greenish chlorite matrix. Low carbonate. Medium silica. Fine to medium relic & brecciated feldspar, some sections complete type feldspar 70-80%. Sections of brownish to mauve alteration product, leucoxene. Scattered small carbonate stringers, barren.
	623.5	Light greyish in color. Low black type chlorite. Negligible carbonate. Medium to high silica. Mainly fine grained relic feldspar 80-95%. Negligible sulphides in part, pyrrhotite occurring in small scattered carbonate stringers. Low suggestion of shear, poor foliation.
	645.9	
645.9		DYKE - Acid. Altered Quartz Diorite. Light grey in color. Fine grained. Massive. Negligible chlorite. Low carbonate in part. Medium silica. Fine grained carbonate & quartz blebs. Many irregular carbonate fractures & stringers, barren.
	650.0	END OF HOLE

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
AH797	#1398	510.0-511.0	1.0'	.08	1.800

DIAMOND DRILL LOG

CRALSKI (1945) LIMITED

HOLE NO. #95	LOCATION 2425NE - 2400SW	DATE STARTED	March 1956
DIP 60°	LAT. DEP.	DATE FINISHED	March 1956
BEARING 35°	ELEVATION Lake	LOGGED BY	A.E. Oakley
DEPTH 661.1 Ft.	DIP TESTS		

FOOTAGE		DESCRIPTION
0.0		CASING - Water, Sand & Gravel.
	75.0	
75.0		ANORTHOSITE Light greyish in color. Low chlorite. Negligible to low carbonate. Medium silica. Fine to coarse brecciated to complete feldspar 80-95%. Small scattered sections up to 0.5' low to medium dark chlorite & carbonate, low shear, poor foliation, some containing negligible amounts of pyrrhotite & chalcopyrite.
	99.0	As above. Becoming more massive. Chlorite content decreasing. Feldspar content increasing in part, 95%. Patchy brownish to mauve alteration product. Negligible to low shear increasing between 116.0-121.0
	134.5	As above. Medium shear. Low chlorite. Low carbonate. Medium silica matrix. Medium shear, fair to good foliation but variable at 35-55° to C.A.. Many small white carbonate & quartz stringers & veinlets, barren. Little or no mineral.
	142.0	As above. Light greenish grey in color. Mainly low chlorite but medium in part. Medium silica. Fine to medium brecciated to complete type feldspar, 70-95% in part.
	155.0	Altered Zone. Dark greyish to mauve in color. Fine grained Low chlorite. Medium carbonate. High silica in part. Contains small Anorthositic sections. Negligible to low sulphides, pyrite & pyrrhotite in carbonate rich material.
	157.0	As above. Anorthosite. Light in color. Low chlorite. Low carbonate. Medium to high silica. Relic to complete type feldspar 80-95%.
		LOST CORE 158.5 - 160.5
	164.0	
164.0		DYKE - Intermediate to Acid Type. Fine grained Diorite. Medium grey in color. Massive. Low chlorite. Low to medium carbonate. Medium silica. Small scattered white carbonate filled fractures. Contacts of dyke slightly lighter in color, more acid, finer grained. Contacts quite sharp but badly broken.
	187.7	
187.7		ANORTHOSITE Light in color. Massive. Low chlorite. Low carbonate. Medium silica. Fine to coarse to complete relic & brecciated feldspar 80-95%. Small sections negligible to low shear at approximately 40° to C.A.
	219.2	As above. Anorthosite. Sheared. Medium grey in color. Fine grained. Low dark type chlorite. Low carbonate. Small white carbonate quartz stringers & veinlets, barren. Medium shear, serpentinized, good foliation at 60-65° to C.A.. Negligible sulphides, pyrite.
	221.2	As above. Anorthosite. Light in color. Fairly massive but low suggestion of shear at 50° to C.A.. Low chlorite. Low carbonate. Medium silica. Relic & brecciated to complete type feldspar 85-95%. Patchy brownish alteration product.
	289.5	As above. Anorthosite. Sheared. Light in color. Fine grained. Negligible chlorite. Medium carbonate alteration. Low silica. Low to medium shear, good foliation in at 60° to C.A., low serpentinized. Small white carbonate stringers & veinlets, barren.
	292.6	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #95

FOOTAGE		DESCRIPTION
292.6		DYKE - Acid Type. Light grey in color. Fine grained. Negligible chlorite. Negligible carbonate. Medium to high silica. Low shear or fracturing at approximately 50° to C.A.. Small white carbonate stringers, barren. Negligible sulphides, fine cubic pyrite.
	293.7	
293.7		ANORTHOSITE Light greyish in color. Fairly massive. Low greyish type chlorite. Low carbonate. Medium silica. Mainly relic & brecciated type feldspar 80-95%.
	315.3	As above. Sheared. Light to dark grey in color. Low to medium black type chlorite in part. Medium carbonate matrix. Low silica. Ghost to complete type feldspar 85-95% Low to medium shear, fair to good foliation at 50° to C.A. White carbonate & quartz stringers & veinlets. Negligible sulphides, disseminated cubic pyrite.
	322.0	As above. Anorthosite. Quite light in color. Fairly massive. High feldspar alteration in part. Relic & brecciated to complete type feldspar 85-95%. Patchy light brownish colored alteration product.
	390.5	As above. Sheared. Light greenish to dark grey in color. Fine grained. Low to medium greenish to black type chlorite. Relic to ghost type feldspar in contact zone. Medium to high shear, good foliation at 50° to C.A., medium serpentinized. White quartz & carbonate veinlets towards center of shear. Low sulphides, pyrite occurring in small bands.
	394.1	Anorthosite. Greenish grey matrix. Low to medium chlorite. Low carbonate. Medium silica. Relic & brecciated feldspar laths 65-75%. Small white quartz veinlets. Several small sections medium shear in at 55° to C.A., medium carbonate alteration. Small white carbonate stringers in shear, barren.
	408.0	Anorthosite Altered. Light in color. Mainly fine grained. Low chlorite in part. Low carbonate. Medium to high silica Mainly fine grained complete type feldspar 85-95%. Patchy brownish to mauve alteration product.
	425.5	Anorthosite. Medium greyish green in color. Medium chlorite matrix. Low carbonate. Medium silica. Relic & brecciated to complete type feldspar 60-85%. Small scattered quartz & carbonate veinlets, barren. Negligible to low shear in part at approximately 50° to C.A.
	436.6	
436.6		DYKE - Intermediate to Acid Type - Fine grained Diorite. Light to dark greyish green in color. Massive. Low chlorite. Medium fine grained carbonate speckling. Medium silica in contacts. Small scattered carbonate & quartz filled fractures & stringers, barren. Contacts of dyke quite sharp at approximately 50° to C.A.
	447.6	
447.6		ANORTHOSITE Light in color. Low greenish chlorite matrix. Low carb. Medium silica. Mainly complete type feldspar 85-95%. Patchy mauve alteration product
	456.0	
456.0		DYKE - Intermediate to Acid. Fine grained Diorite. Light to dark greyish green in color. Fine grained. Massiv Low chlorite. Medium fine grained carbonate speckling. Medium silica in contacts. Small scattered carbonate & quartz stringers & fractures, barren. Contacts quite sharp but badly broken. Note:- 472.9-473.6 small inclusion of sheared carbonated Anorthosite, feldspar rich.
	478.8	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #95

FOOTAGE		DESCRIPTION
478.8		ANORTHOSITE Quite light in color. Negligible to low greenish chlorite matrix. Negligible carbonate. Medium to high silica. Mainly complete type feldspar 85-95%. Small scattered milky white quartz veinlets, barren. Patchy brownish to mauve alteration product.
	499.8	
499.8		DYKE - Acid Type. Light greyish in color. Very fine grained. Massive. Medium fine grained carbonate speckling. Medium silica. Small scattered white carbonate & quartz rich stringers & fractures. Negligible Sulphides occurring mostly along fracture faces, pyrrhotite, chalcopyrite & some pyrite. Contacts quite sharp in low shear in at 60 & 50° to C.A.
	506.2	
506.2		ANORTHOSITE - Low alteration. Light greenish in color. Low chlorite. Low to medium carbonate alteration. Relic & brecciated ghost type feldspar 65-80%. Negligible to medium shear in part, fair foliation at 30 & 45° to C.A.. Small white carbonate & quartz stringers & veinlets in small medium shears, barren.
	520.9	
520.9		DYKE - Acid Type. Light greyish in color. Fine grained. Massive. Medium carbonate. Medium silica. Negligible sulphides, fine cubic pyrite. Contacts quite sharp but broken.
	521.5	
521.5		ANORTHOSITE - Altered & sheared. Light greenish to medium grey in color. Low chlorite, light greenish to medium grey type. Medium to high carbonate. Relic & ghost type serpentinized feldspar 40-60%, many are elongated in shear. Low to high shear in part, fair to good foliation, variable at 20-55° to C.A.. White carbonate & quartz stringers & veinlets up to 1.0', mainly in center of shear zone, barren.
	537.2	Anorthosite. Light greyish in color. Low chlorite. Low carbonate. Medium silica. Relic & brecciated, fine to coarse grained feldspar 70-80%. Low patchy brownish alteration product.
	554.4	As above. Dark chlorite increasing. Low carbonate. Low silica. Medium shear, good foliation at 45-55° to C.A.. Small white quartz & carbonate stringers, barren.
	555.9	
555.9		DYKE - Acid Type. Light grey in color. Fine grained. Massive. Low to medium carbonate. Medium silica. Small scattered white carbonate stringers & fractures, barren, some in at 5° to C.A.. Negligible to low sulphides, mainly cubic pyrite. Contacts quite sharp at 50° to C.A.
	563.1	
563.1		ANORTHOSITE Light greyish in color. Medium to coarse grained. Fairly massive. Low greenish to grey type chlorite. Negligible carbonate. Medium silica. Fine to coarse relic & brecciated type feldspar 70-85%. Spotty mauve alteration product in low carbonate alteration.
	580.0	Anorthosite. Altered & Sheared. Becoming darker in color. Quite fine grained. Low to medium greenish to dark grey chlorite. Medium carbonate. Medium silica in part. Relic & ghost type feldspar in part 50-70%. Low to medium shear, good foliation in center of section in at 55° to C.A.. Small white carbonate & quartz stringers in sheared material, barren.
	586.3	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #95

FOOTAGE		DESCRIPTION
586.3		DYKE - Acid Type. Feldspar Porphyry. Light to medium grey in color. Fine grained. Massive. Medium carbonate. Medium to high silica in contact zones. Fine grained carbonate speckling throughout. Small scattered white feldspar phenos. Low shear or fracturing in both contact zones at 40 & 25° to C.A.. Small white carbonate filled fractures, barren. Negligible sulphides, mostly in altered contact material, cubic pyrite.
	599.2	
599.2		ANORTHOSITE Light greyish in color. Low greenish chlorite matrix. Low to medium carbonate alteration. Medium silica. Fine to course relic & brecciated feldspar laths 70-90%. Spotty mauve alteration product. Section between 610.0-611.3 medium shear, good foliation but variable 35° to C.A.. Some white carbonate stringers, barren.
	613.3	Anorthosite. Sheared & Altered. Light greenish grey in color. Low chlorite. Medium to high carbonate. Low silica. Relic & serpentinized ghost type feldspar 60-70%. Low to medium shear increasing towards 617.0, shows much local dragfolding 0-35° to C.A.
	617.0	As above. Becoming more Sheared & Altered. Low greenish chlorite. High carbonate. Negligible silica. High serpentinized shear, talcose, good foliation in part, 35° to C.A.. Small carbonate rich stringers, barren.
	638.5	White to grey quartz Vein containing chlorite & sheared inclusions, barren.
	640.0	High Shear. Sericitized & serpentinized. Core badly broken but seems to be cut 0° to C.A.. Quite soft & flaky. Flakes are quite transparent.
	642.2	
642.2		DYKE - Acid Type. Light greyish in color. Fine grained. Sheared & altered. Medium carbonate. Medium silica. Medium shear in part, good foliation at 45° to C.A.. Evidence of dragfolding between 642.2-645.5 cut at 0-10° to C.A.. Many small white carbonate stringers. Some negligible sulphides, pyrrhotite & disseminated pyrite.
	650.1	
650.1		ANORTHOSITE - Altered & Sheared. Light greenish in color. Negligible chlorite. Medium carbonate. Low silica. Relic to complete ghost type feldspar 80-95%. Low evidence of shear, poor foliation. Small sections white carbonate & quartz stringers. Negligible sulphides, cubic pyrite.
	660.5	
660.5		DYKE - Acid Type. Light greyish in color. Medium carbonate. Medium silica. Core badly broken.
	661.1	END OF HOLE

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	#1396	155.0-157.0	2.0'	Tr	
	#1397	391.0-393.5	2.5'	Tr	

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #96 LOCATION 3500NE - 3000SW DATE STARTED Mar. 29th, 1956

DIP 45° LAT. DEP. DATE FINISHED April 11th, 1956

BEARING 35° ELEVATION Lake LOGGED BY A.E. Oakley

DEPTH 792.2 Ft. DIP TESTS 43.5° at 400 Ft. - 38.0° at 792 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - 15' Water. Sand & Gravel.
	33.6	
33.6		ANORTHOSITE Light in color. Medium grained. Massive. Low chlorite matrix. Low carbonate. Medium silica. Medium to coarse grained relic type feldspar laths 70-80%.
	37.0	
37.0		DYKE - Intermediate to Acid Type. Medium grey in color. Fine grained. Massive. Low carbonate. Low to medium silica. Some weak fractures or shear at approximately 50° to C.A.. Contacts broken but in at approximately 45-50° to C.A.
	38.9	
38.9		ANORTHOSITE Light grey greenish in color. Fine to medium grained. Massive. Low chlorite. Low carbonate matrix. Medium silica throughout. Fine to medium grained relic to complete feldspar in part 70-85%. Small scattered carbonate filled fractures. Some evidence of low shear at approximately 40° to C.A.
	71.6	
71.6		PROBABLY GABBRO Black in color. Medium grained. Massive but core badly broken. Medium to high black type chlorite. Fine hornblende crystals. Small greenish feldspar laths. Low magnetite content.
	73.7	
73.7		ANORTHOSITE Light greyish in color. Fine to medium grained. Fairly massive. Low chlorite matrix, greenish & black type in part. Low to medium carbonate in part. Fine to medium grained relic type feldspar 60-80%. Small scattered white & bluish carbonate filled fractures & stringers. Small sections low shear or fracturing approximately 30° to C.A.
		LOST CORE 74.0 - 75.0
	113.2	
113.2		PROBABLY GABBRO Black in color. Medium grained. Massive. Medium to high black type chlorite. Feldspar & hornblende rich.
	115.2	
115.2		ANORTHOSITE Light greyish green in color. Medium grained. Low to medium chlorite. Low carbonate matrix. Medium silica. Fine to medium relic type feldspar 65-75%.
		LOST CORE 120.0 - 123.2
	123.2	
123.2		DYKE - Intermediate to Acid Type. Medium grey in color. Fine grained. Massive. Low chlorite. Medium carbonate. Medium silica. Small scattered white carbonate blebs throughout. Small irregular white carbonate filled fractures. Low evidence of shear or fracturing.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #96

FOOTAGE		DESCRIPTION
		Some very fine disseminated pyrite. Note:- 123.2-125.0 core somewhat porous.
	138.3	
138.3		ANORTHOSITE Light greyish in color. Medium grained. Massive. Low chlorite, greenish & black types. Low carbonate matrix. Medium silica. Fine to medium grained relic & complete type feldspar 70-95% in part.
	150.0	
150.0		DYKE - Intermediate to Acid Type. Medium grey in color. Fine grained. Massive. Low chlorite. Low carbonate. Low to medium silica. Low evidemce of fracturing 10-45° to C.A.
	156.3	
156.3		ANORTHOSITE Light greenish grey in color. Massive. Low to medium chlorite, greenish & black types, in part. Low carbonate. Medium silica. Fine to medium relic & fairly well developed feldspar laths 70-90% in part. Some sections containing coarse well developed feldspar laths.
		LOST CORE 175.0 - 180.0
	294.2	
294.2		DYKE - Intermediate to Acid Type. Medium grey in color. Fine grained. Massive. Low chlorite. Low to medium carbonate. Medium silica. Small scattered white quartz blebs throughout. Small irregular carbonate filled fractures. Low shear or fracturing throughout. Sections core badly broken. Contacts of Dyke quite sharp possibly 60° to C.A.
		LOST CORE 306.6 - 308.0 " " 312.2 - 314.1
	318.3	
318.3		ANORTHOSITE Light greyish in color. Fine to medium grained. Fairly massive. Low to medium chlorite. Low carbonate matrix. Medium silica. Medium to coarse relic to complete feldspar in part 50-95%. Small sections low shear, some fair foliation in at approximately 35° to C.A. Note:- Small shear between 344.2-344.7 medium sulphides, pyrite in carnonate rich material. Sections containing mauve to rose type alteration product.
	361.3	
361.3		DYKE - Acid Type. Light grey in color. Fine grained. Massive. Medium carbonate. Medium to high silica. Many small white carbonate filled fractures containing low amounts of pyrite, some pyrrhotite & a little chalcopyrite. Contacts quite sharp at approximately 80° to C.A.
	362.4	
362.4		ANORTHOSITE Light greyish green in color. Fine to medium grained. Massive. Low to medium chlorite, green & black type in part. Low carbonate matrix. Medium silica. Medium grained relic to fairly well developed feldspar laths, small sections almost complete feldspar, 60-95% in part. Low evidence of shear, approximately 55° to C.A.. Note:- 379.0-399.0 several small acid type Dykes up to .5' in width.
		LOST CORE 303.9 - 305.0

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #96

FOOTAGE		DESCRIPTION
	476.7	As above. Dark grey to black in color. Fine grained. Low shear zone, good foliation at 50° to C.A.. Medium chlorite, black type. Low carbonate. Low silica. Small white carbonate stringers & fractures. Negligible to low sulphides, disseminated pyrite.
	480.5	Anorthosite as above. Light greenish in color. Medium to coarse grained. Massive. Low chlorite, mainly greenish but some black type. Low carbonate. Low to medium silica. Medium to coarse grained relic & brecciated feldspar laths 70-85%. Small white carbonate filled fractures.
	496.1	
496.1		DYKE - Acid Type. Light greyish in color. Fine grained. Massive. Medium carbonate. Medium silica. Small irregular white carbonate fractures, barren. Contacts of Dyke quite sharp at 55° to C.A.
	497.4	
497.4		ANORTHOSITE Lighte greenish in color. Medium to coarse grained. Massiv Low chlorite, mainly greenish but some black type. Low carbonate. Low to medium silica. Medium to coarse grained relic & brecciated feldspar laths 70-85%.
	505.4	
505.4		DYKE - Intermediate to Acid Type. Light to dark grey in color. Fine grained. Quite massive. Medium chlorite in part, black type. Medium carbonate. Low silica. Small scattered white carbonate & quartz filled fractures & stringers. Little or no sulphides.
	515.5	
515.5		ANORTHOSITE Light grey to white in color. Medium to coarse grained. Massive. Low to medium chlorite. Low carbonate matrix. Medium to high silica in part. Relic to well developed, brecciated to complete feldspar, 65-95% in part. Spotty mauve to buff alteration product. Evidence of low shear in part.
	591.5	
591.5		DYKE - Acid Type. Light grey in color. Fine grained. Massive. Low carbonate. Medium silica. Small scattered carbonate filled fractures. Evidence of low shear, poor foliation. Contacts of Dyke quite sharp in at possibly 40° to C.A.
	596.1	
596.1		ANORTHOSITE Light grey in color. Fine grained. Massive. Low chlorite, mainly greenish but some black type. Low carbonate. Medium to high silica. Fine to medium grained relic to complete feldspar in part, 70-95%. Small white quartz stringers & veinlets, barren.
	621.0	
621.0		DYKE - Acid Type (Feldspar Porphyry) Light grey in color. Fine grained. Massive. Low carbonate. Medium to high silica. Small carbonate filled fractures, barren.
	623.3	
623.3		ANORTHOSITE Light grey in color. Fine grained. Massive. Low chlorite, green type. Low carbonate. Medium to high silica. Fine to medium grained relic to complete feldspar in part 70-95%.
	631.1	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #96

FOOTAGE		DESCRIPTION
631.1		DYKE - Intermediate to Acid Type. Light to dark grey in color. Fine grained. Massive. Low carbonate. Low to medium silica. Low chlorite. Evidence of low shear at contacts at 65° to C.A.
	641.5	
641.5		ANORTHOSITE Light grey in color. Fine grained. Massive. Low chlorite, green type. Low carbonate. Medium to high silica. Fine to medium grained relic to complete feldspar in part 70-95%. Small white quartz stringers, barren.
	665.1	
665.1		DYKE - Intermediate Type. Medium grey in color. Fine grained. Massive. Low chlorite. Low carbonate. Low to medium silica. Small patchy white feldspar blebs. Small scattered white carbonate & quartz filled fractures. Contacts of Dyke quite sharp with evidence of low shear, in at 50° to C.A.
	674.0	
674.0		ANORTHOSITE Light greyish in color. Fine to medium grained. Massive. Low chlorite. Low carbonate. Medium to high silica. Fine grained relic to medium fairly well developed brecciated feldspar laths 70-90%. Evidence of low shear or fracturing.
	691.0	
691.0		SHEARED ZONE - MINERALIZED - ANORTHOSITE Dark grey to black in color. Fine to medium grained. Medium chlorite, mainly black type. Medium carbonate. Low to medium silica. Medium shear, sericitized, fair to good foliation at 30-50° to C.A.. Many small white carbonate & quartz filled fractures. Low to medium sulphides in part, mainly pyrrhotite with negligible amounts of chalcopyrite occurring mostly in carbonate rich material.
	705.1	
705.1		ANORTHOSITE Light grey in color. Fine grained. Fairly massive. Low chlorite. Low carbonate. Medium silica. Some evidence of shear approximately 40° to C.A.. Fine grained relic & brecciated type feldspar 60-85%. No sulphides.
	714.6	
714.6		LOW SHEAR ZONE - ANORTHOSITE Dark grey to black in color. Fine grained. Medium to high black type chlorite in part. Medium carbonate. Low to medium silica. Low to medium shear in part, fair foliation at 45-50° to C.A.. Fine to coarse grained relic type feldspar 30-60% in part. Scattered white carbonate filled fractures & stringers, some containing low amounts of pyrrhotite & some chalcopyrite.
	744.0	
744.0		ANORTHOSITE Becoming much lighter in color. Coarser grained. More massive. Low chlorite, greenish type & some black type. Low carbonate. Medium to high silica. Fine to coarse grained relic to complete type feldspar 70-90%. Small white quartz veinlets, barren.
	776.4	
776.4		DYKE - Acid Type Feldspar Porphyry. Light grey in color. Fine grained. Massive. Low carbonate. Medium silica. Small white carbonate fractures & stringers, barren.
	777.6	(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #96

FOOTAGE		DESCRIPTION
777.6		ANORTHOSITE Light in color. Coarse grained. Massive. Low chlorite. Low carbonate. Medium to high silica. Fine to coarse grained relic type feldspar 70-90%.
	779.1	
779.1		DYKE - Acid Type. (Feldspar Porphyry) Light grey in color. Fine grained. Massive. Low carbonate. Medium silica. Small white carbonate stringers, barren. Small white quartz blebs throughout.
	790.8	
790.8		ANORTHOSITE Light in color. Coarse grained. Massive. Low chlorite. Low carbonate. Medium to high silica. Fine to coarse grained relic type feldspar 70-90%.
	792.2	END OF HOLE

A S S A Y R E T U R N S

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	#1393	691.0-695.0	4.0'	Tr.	—
	#1394	695.0-699.0	4.0'	Tr.	0.100
	#1395	699.0-703.0	4.0'	Tr.	—

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #97 LOCATION 2300N - 2700SW DATE STARTED April 1956

DIP 50° LAT. DEP. DATE FINISHED April 14th,1956

BEARING 35° ELEVATION LAKE LOGGED BY A.E. Oakley

DEPTH 647.6 Ft. DIP TESTS 41.5° at 300 Ft. - 36.0° at 647 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Water, Sand & Gravel.
	42.7	
42.7		ANORTHOSITE Light in color. Medium grained. Massive. Low chlorite matrix. Medium to high feldspar content, relic or brecciate type laths 70-80%. Spotty brownish leucoxene alteration.
	58.8	As above. Medium to high carbonate alteration in part. Low shear, poor foliation. Negligible sulphides, fine disseminated pyrite.
	61.5	
61.5		DYKE - Intermediate to low Acid Type. Dark greenish grey in color. Fine grained. Massive. Medium chlorite. Low carbonate. Low to medium silica. Low shear or fracturing in at approximately 50° to C.A.
		LOST CORE 62.5 - 65.0
	74.0	
74.0		ANORTHOSITE Light in color. Medium grained. Massive. Low chlorite matrix. Medium to high feldspar content, relic & brecciated type laths 70-90%. Small scattered sections throughout low shear, fair foliation in at approximately 50° to C.A.. Low to medium chlorite carbonate alteration. Low sulphides in part, pyrrhotite & chalcopyrite.
	101.3	Fault Zone - Anorthosite. Light grey in color. Low to medium shear in walls in at approximately 35° to C.A.. Low chlorite. Low carbonate. Low silica. Evidence of recemented breccia between 101.9-102.2 . Small section of medium pyrite sulphides 103.0-105.0
	103.1	As above. Anorthosite. Light in color. Low chlorite matrix. Low carbonate. Medium silica. Medium grained relic type feldspar 70-80%. Low shear & fracturing in part, in at approximately 25° to C.A.
	110.3	Shear Zone. Anorthosite. Medium grey in color. Fine grained Low chlorite. Medium carbonate matrix. Low serpentinized. Low to medium shear, fair foliation in part 30-50° to C.A. Negligible sulphides, pyrite & chalcopyrite occurring in small stringers.
	119.3	
119.3		DYKE - Acid Type. Light grey in color. Fine grained. Fairly massive. Medium carbonate. Medium silica. Many small white carbonate & quartz filled fractures. Low shear or fracturing in at approximately 25-50° to C.A.. Negligible sulphides in part, mainly fine disseminated pyrite. Contact at 126.9 quite sharp in at 20° to C.A.
	126.9	
126.9		ANORTHOSITE Light to dark grey in color. Fine to medium grained. Low to medium chlorite matrix. Low carbonate. Low to medium silica. Fine grained relic type feldspar throughout 50-70%
	131.0	As above. Dark grey in color. Low chlorite. Low to medium carbonate. Low to medium shear in at 30° to C.A.
	132.1	As above. Anorthosite. Dar grey greenish in color. Medium chlorite matrix. Low carbonate. Medium silica. Fine to

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #97

FOOTAGE		DESCRIPTION
		medium grained relic type feldspar 50-60%. Low shear & fracturing throughout 35-45° to C.A.
	142.5	As above. Medium shear sericitized, in at approximately 50° to C.A.
	143.0	
143.0		DYKE - Acid Type. Light grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Many small white carbonate & quartz filled fractures. Low shear throughout, fair foliation in at 35-60° to C.A.. Negligible sulphides, fine disseminated pyrite.
	145.5	
145.5		ANORTHOSITE Light to dark grey in color. Fairly massive. Low to medium chlorite matrix in part. Low carbonate. Medium silica. Fine to coarse grained relic type feldspar throughout, 60-90% in part. Small scattered sections medium chlorite & carbonate matrix. Low shear, poor to fair foliation, in at 30-40° to C.A.
	176.5	Low alteration Zone. Anorthosite. Light greyish in color. Negligible to low chlorite matrix. Low carbonate. Medium silica. Fine grained relic & ghost type feldspar content 70-85%. Scattered White quartz & carbonate stringers & veinlets, barren. Sections throughout up to 2.0' low to medium shear in at 40-70° to C.A., Low chlorite, medium carbonate, low silica, medium serpentinized, white carbonate & quartz stringers & veinlets, barren.
	213.0	As above. Anorthosite. Light greyish in color. Low chlorite matrix. Low carbonate. Low to medium silica. Medium to coarse grained relic & brecciated feldspar laths 70-80%.
	230.0	As above. Anorthosite. Light greyish in color. Fairly massive. Negligible to low chlorite matrix. Low carbonate. Medium silica. Mainly fine grained relic type feldspar 80-95%. Spotty mauve alteration product. Small white carbonate filled fractures, barren.
	326.2	As above. Anorthosite. Light greyish in color. Fairly massive. Low chlorite. Low carbonate. Medium silica. Fine to medium grained relic type feldspar, 70-95% in part. Several small medium sheared sections, low serpentinized, low chlorite, low carbonate in at approx. 50° to C.A.. Small shear at 339.5 in at 20° to C.A.
	353.5	
353.5		DYKE - Intermediate to low Acid Type. Dark greenish grey in color. Fine grained. Massive. Low chlorite. Low carbonate. Low to medium silica. Small scattered carbonate filled fractures. Low shear at contacts in at approximately 20° to C.N.
	363.8	
363.8		ANORTHOSITE Light in color. Fairly massive. Negligible to low chlorite. Low carbonate. Medium to high silica. Fine grained relic to complete feldspar 80-95%. Spotty fine brownish alteration product.
	382.0	Low shear. Low chlorite. Low carbonate. Medium silica matrix. Small white carbonate stringers, barren.
	382.5	
382.5		DYKE - Intermediate to Acid Type. Dark greenish grey in color. Fine grained. Massive. Low to medium chlorite. Low carbonate. Low to medium silica. Scattered small white carbonate filled fractures.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #97

FOOTAGE		DESCRIPTION
		Contacts quite sharp at approximately 50° to C.A.
	400.0	
400.0		ANORTHOSITE Light greyish in color. Medium grained. Massive. Low chlorite. Low carbonate. Medium silica. Medium to coarse grained relic & brecciated feldspar laths 65-80%.
	412.6	As above. Sheared. Light to dark grey in color. Fine grained. Low to medium chlorite, mostly black type. Medium carbonate. Low silica. Ghost type feldspar laths in part 30-50%. White carbonate filled fractures & stringers in at 40° to C.A.. Medium shear, serpentinized, fair to good foliation in at approximately 40° to C.A.
	418.0	As above. Anorthosite. Light in color. Coarse grained. massive. Low chlorite. Low carbonate. Medium to high silica. Fine to coarse grained relic & complete type feldspar, 70-95% in part. Some suggestion of low shear in at 45-50° to C.A.. Negligible to low patchy mauve alteration product.
	437.6	
437.6		DYKE - Intermediate to Acid - Feldspar Porphyry. Light to dark grey in color. Fine grained. Massive. Low chlorite. Low carbonate. Medium silica in part. A few patchy white feldspar phenos. Low foliation at contacts at approximately 45° & 35° to C.A.
	447.2	
447.2		ANORTHOSITE Light in color. Fairly massive. Low to medium chlorite in part. Low carbonate. Medium silica. Fine to coarse, complete, relic & brecciated feldspar 70-95%. Small scattered sections up to 1.0' low to medium shear, medium alteration, low to medium dark chlorite, low carbonate, fair foliation in at 45-60° to C.A.. White & greyish carbonate & quartz stringers & veinlets, barren.
	505.4	As above. Sheared. Light to dark grey in color. Fine grained. Low to medium chlorite, black type. Low carbonate. Low silica. Low serpentinized. White carbonate & quartz stringers & fractures, barren. Negligible sulphides, disseminated pyrite.
	509.1	As above. Anorthosite. Light greyish in color. Low chlorite. Low carbonate. Medium to high silica. Medium to coarse to complete type feldspar 80-95%. Low patchy mauve alteration product.
	524.9	
524.9		DYKE - Intermediate to Acid. Medium grey in color. Fine grained. Fairly massive. Negligible to low chlorite. Low carbonate. Medium silica. Many small carbonate & quartz stringers, barren, in at 25-65° to C.A.. Low shear, fair foliation, in at 65° to C.A One small white carbonate & quartz veinlet at 531.0 containing negligible amount of pyrrhotite. Contacts of Dyke quite sharp at 40° & 70° to C.A.
	533.5	
533.5		ANORTHOSITE Light greenish in color. Fairly massive. Low chlorite. Low carbonate. Medium silica. Fine relic to complete type feldspar 80-95%. Small scattered sections low to medium shear, fair foliation in at 65° to C.A.. Small white carbonate quartz stringers. Some negligible sulphides, pyrite. Note:- Small acid dykes up to 0.5' in width associated with small shears.
	557.1	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #97

FOOTAGE		DESCRIPTION
557.1		DYKE - Intermediate to Acid. Light to dark grey in color. Fine grained. Massive. Negligible to low chlorite. Low carbonate. Medium silica. Contact phases medium silica alteration. Contacts quite sharp at 50° to C.A.
	566.5	
566.5		ANORTHOSITE Light greyish in color. Fairly massive. Low chlorite. Low carbonate. Medium to high silica. Fine to coarse relic to complete type feldspar 80-95%. Negligible mauve to brownish alteration product in complete feldspar alteration. Scattered milky white quartz veinlets, barren.
	612.2	Low to medium shear. Low chlorite. Low carbonate. Small white carbonate stringers, barren.
	612.6	
612.6		DYKE - Acid - Feldspar Porphyry. Light grey in color. Fine grained. Massive. Negligible chlorite. Negligible carbonate. Medium silica. Many small white feldspar phenos throughout. Small scattered white quartz carbonate stringers & veinlets, barren.
	620.0	
620.0		ANORTHOSITE - Sheared in Part. Light in color. Negligible to low chlorite. Low carbonate. Medium silica. Medium to coarse relic to complete feldspar 80-95%. Patchy brownish alteration product occurring in complete feldspar alteration.
	625.5	As above. Anorthosite. Sheared. Light to dark grey in color. Low to medium black & greenish type chlorite in part Low carbonate. Low silica. Small to medium sized white carbonate & milky white quartz veinlets, barren. Medium shear, fair to good foliation at 25-30° to C.A.
	628.8	As above. Anorthosite. Light in color. Low to medium chlorite, greenish type. Low carbonate. Medium silica. Fine to coarse grained relic type feldspar 70-90%. Suggestion of low shear. Negligible sulphides, fine to medium cubic pyrite.
	632.5	As above. Anorthosite. Sheared. Dark grey in color. Medium chlorite, mainly black type. Low carbonate. Low silica in part. Medium grained relic type feldspar 30-50%. Medium shear, fair foliation at approximately 40° to C.A. Irregular white carbonate & quartz stringers & veinlets containing black type chlorite. Negligible sulphides, pyrite
	638.4	Anorthosite. Light to greenish in color. Medium greenish chlorite. Low carbonate. Medium silica. Fine to coarse grained relic type feldspar 60-95%. Negligible sulphides, disseminated pyrite.
	642.0	XXXX
642.0		DYKE - Acid Type - Feldspar Porphyry. Medium greyish in color. Fine grained. Massive. Low carbonate. Medium silica. Fine scattered white feldspar phen phenos. Low fracturing. Negligible to low sulphides, mainly coarse cubic pyrite, negligible chalcopyrite. Small carbonate stringers throughout, barren.
	645.0	
645.0		ANORTHOSITE - SHEAR ZONE. Dark grey to black in color. Fine grained. Medium chlorite, black type. Low carbonate. Low serpentinized. Medium shear, good foliation at approximately 55° to C.A.. White carbonate filled fractures. Negligible sulphides, mainly disseminated cubic pyrite.
	647.6	END OF HOLE.

No SAMPLES

DIAMOND DRILL LOG

OBaLSKI (1945) LIMITED

HOLE NO. #98 LOCATION 3500NE - 2525SW DATE STARTED April 13th,1956

DIP 45° LAT. DEP. DATE FINISHED April 18th,1956

BEARING 55° ELEVATION LOGGED BY A.E. Oakley

DEPTH 496.0 Ft. DIP TESTS 39.5° at 496.0 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand & Gravel
	12.0	
12.0		ANORTHOSITE Light greyish in color. Fine to medium grained. Massive. Low chlorite, greenish & dark grey type. Negligible carbonate. Medium to high silica. Fine to medium grained relic & brecciated feldspar 80-95%. Spotty brownish alteration product, leucoxene. Negligible to low shear in part. LOST CORE 44.3-47.0
	101.7	
101.7		DYKE - Intermediate to Acid. Fine grained Diorite. Light grey in color. Fine grained. Massive. Negligible chlorite. Negligible carbonate. Medium silica. Fine grained quartz speckling throughout. Scattered carbonate stringers, barren. Chilled fine grained contacts approx. 55° to C.A.
	110.2	
110.2		ANORTHOSITE Light greyish green in color. Fine grained. Massive. Low chlorite. Negligible carbonate. Medium silica. Fine grained relic to complete type feldspar 80-95%. Spotty mauve alteration product in complete type feldspar.
	121.8	
121.8		DYKE - Acid. Fine grained Quartz Diorite. Medium grey in color. Fine grained. Massive. Negligible chlorite. Low to medium carbonate in chilled contacts. Medium silica. Much fine quartz & carbonate speckling throughout. Small scattered carbonate stringers, barren. Contacts quite sharp in at approximately 50° to C.A.
	140.3	
140.3		ANORTHOSITE Fine to medium grained. Massive. Low chlorite. Negligible carbonate. Medium silica. Mainly fine grained relic & brecciated feldspar 70-80%. Small sections of complete type feldspar 95%. Low black chlorite shear in contact in at 50° to C.A.. Negligible sulphides, pyrite.
	158.2	
158.2		DYKE - Intermediate to Acid. Afletic. Medium greenish grey in color. Fine grained. Massive. Negligible chlorite. Negligible carbonate. Medium silica. Scattered dark speckling throughout. Contacts chilled & quite sharp in at 50° to C.A.
	160.5	
160.5		ANORTHOSITE Light greyish green in color. Fine to medium grained. Massive. Low chlorite, greenish grey. Negligible carbonate Medium silica. Mostly fine to medium grained relic feldspar 70-90%. Much pale bluish alteration. Low suggested shear.
	197.6	
197.6		DYKE - Acid. Feldspar Porphyry. Light grey in color. Fine grained. Massive. Negligible

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #98

FOOTAGE		DESCRIPTION
		carbonate. Medium silica. Scattered distorted white feldspar phenos. Some light fracturing approximately 35° to C.A.. Contacts quite sharp but core badly broken.
	201.3	
201.3		ANORTHOSITE Dark grey in color. Medium to coarse grained. Medium dark grey chlorite. Negligible carbonate. Medium silica. Many fine to medium grained relic & brecciated feldspar laths 80-90%. Small sections almost complete type feldspar 95%. Sections of suggested low shear approximately 50° to C.A.
	231.6	
231.6		DYKE - Acid. Feldspar Porphyry. Light grey in color. Fine grained. Massive. Negligible carbonate. Medium silica. Small scattered white feldspar phenos. Contacts sharp in at 50° to C.A.
	232.8	
232.8		ANORTHOSITE Light greyish in color. Medium grained. Low chlorite. Low carbonate. Medium silica. Mainly relic to ghost type feldspar 70-85%.
	251.0	As above. Becoming finer grained. Low to medium black type chlorite alteration. Fairly well fractured. Small carbonate & quartz stringers & fractures, barren.
		LOST CORE 241.0-245.0
	258.3	
258.3		DYKE - Acid. Fine grained Diorite. Medium grey in color. Fine grained. Massive. Low chlorite. Negligible carbonate. Medium silica. Fine grained feldspar & quartz speckling throughout. Sharp chilled contacts. Negligible sulphides, pyrrhotite. Small scattered carbonate & some quartz fractures, barren.
	265.0	
265.0		ANORTHOSITE Light greenish grey in color. Medium grained. Low greenish chlorite. Negligible carbonate. Medium silica. Mainly relic to complete type feldspar 60-80%. Becoming finer grained with increase in carbonate & black type chlorite towards 282.0
	282.0	
282.0		ANORTHOSITE - ALTERATION ZONE. Light grey in color. Fine grained. Low black type chlorite Medium carbonate. Medium silica. Fine grained relic feldspar 80-95%. Low shear or fracturing, variable at 30-60° to C.A.
	301.0	
301.0		DYKE - Acid. Feldspar Porphyry. Light grey in color. Fine grained. Massive. Low greenish chlorite. Low carbonate. Medium silica. Many small white feldspar phenos in center portion of Dyke. Sharp chilled contacts at 60° to C.A.. Small irregular white carbonate filled fractures, barren.
	312.5	
312.5		ANORTHOSITE - ALTERATION ZONE. Light grey in color. Fine grained. Low to medium black type chlorite. Negligible carbonate. Medium silica. Mainly fine grained relic feldspar 80-90%. Small scattered fractured sections containing white carbonate, barren.
	320.0	As above. Sheared & Altered Anorthosite. Dark grey to black in color. Fine grained. Medium to high black type

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #98

FOOTAGE		DESCRIPTION
		chlorite. Medium to high carbonate. Medium silica. Low to medium shear, fair foliation at 45° to C.A.. Many white carbonate stringers & fractures, some containing neg. amounts of pyrrhotite.
	330.1	Anorthosite. Alteration Zone. Light grey in color. Fine grained. Mainly low black type chlorite. Small sections low to medium shear at approximately 40° to C.A.. Medium to high black type chlorite. Negligible to low carbonate. Medium silica. Scattered white quartz & carbonate fractures.
	395.8	
395.8		DYKE - Intermediate to Acid. Fine grained Quartz Diorite. Dark greyish green in color. Fine grained. Massive. Low chlorite. Negligible carbonate. Medium silica. Much fine grained quartz & feldspar speckling throughout. Small scattered irregular carbonate filled fractures. Sharp chilled contacts at approximately 75° to C.A.
	413.0	
413.0		ANORTHOSITE - ALTERATION ZONE. Light grey in color. Fine grained. Low black type chlorite Negligible carbonate. Medium to high silica. Small scattered sections low shear, variable foliation. Fine to medium grained relic feldspar 80-95%. Low spotty brownish alteration product occurring from 425.0 on.
	451.5	Anorthosite. Light greyish green in color. Medium grained. Massive. Low to medium greenish chlorite. Negligible carbonate. Medium silica. Medium grained brecciated to fine grained complete type feldspar 65-95%. Small scattered sections low shear 45° to C.A., containing black type chlorite. Spotty brownish & mauve alteration product.
	455.4	
455.4		DYKE - Acid. Probably Altered Feldspar Porphyry. Light in color. Fine grained. Massive. Medium carbonate. Medium silica. Irregular white quartz carbonate fractures, barren. Sharp contacts in at approximately 50° to C.A.
	457.2	
457.2		ANORTHOSITE White to grey in color. Fine to medium grained. Low greenish & black type chlorite. Negligible carbonate. Medium silica. Fine grained relic to complete type feldspar 50-90%. Low shear in contact with Dyke containing white carbonate & quartz veinlets, some medium black type chlorite, barren.
	459.9	
459.9		DYKE - Acid. Feldspar Porphyry. Light grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Many small white feldspar phenos Sharp chilled contacts, possibly 60° to C.A.. Small white carbonate stringers & fractures, barren.
	461.5	
461.5		ANORTHOSITE Light greyish green in color. Medium grained. Massive. Low chlorite. Negligible carbonate. Medium silica. Fine to medium grained brecciated to complete type feldspar 70-90%
	463.4	
463.4		DYKE - Intermediate to Acid. Fine grained Quartz Diorite. Dark grey in color. Fine grained. Massive. Low chlorite. Medium carbonate. Medium silica. Much fine grained quartz & feldspar speckling throughout. Scattered white carbonate & quartz stringers & veinlets, barren. Sharp chilled contacts 45° to C.A.

(CONTINUED)

477.8

DIAMOND DRILL LOG

OBALSKI (1946) LIMITED

HOLE NO. #98

FOOTAGE		DESCRIPTION
477.8		ANORTHOSITE Light greyish in color. Medium grained. Massive. Low chlorite. Negligible carbonate. Medium silica. Medium grained brecciated to complete type feldspar 70-95%.
	485.3	
485.3		DYKE - Acid. Feldspar Quartz Porphyry. Light grey in color. Fine grained. Low black chlorite. Medium carbonate. Medium silica. Relic feldspar & quartz phenos throughout. Small scattered irregular carbonate filled fractures, barren. One white quartz vein between 487.4-488.5 containing negligible chalcopyrite occurring along fracture faces. Sharp chilled contacts but core broken.
	492.0	
492.0		ANORTHOSITE Medium grained. Massive. Light greenish in color. Low chlorite. Low carbonate. Medium silica. Fine to medium brecciated to complete type feldspar 80-95%. Patchy light mauve alteration.
	496.2	END OF HOLE.

N O S A M P L E S

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #99 LOCATION 1600NE - 1950SW DATE STARTED Apr. 15th/56

DIP 55° LAT. DEP. DATE FINISHED Apr. 30th/56

BEARING 215° ELEVATION LOGGED BY A.E. Oakley

DEPTH 235.0 Ft. DIP TESTS

FOOTAGE		DESCRIPTION
0.0	235.0	CASING - Sand & Gravel.

Hole abandoned at 235.0' because of deep overburden.

OBALSKI (1945) LIMITED

DIAMOND DRILL LOG

HOLE NO. #100 LOCATION 4625NE - 3000SW DATE STARTED Apr. 19th,1956

DIP 45° LAT. DEP. DATE FINISHED Apr. 25th,1956

BEARING 130° ELEVATION LOGGED BY A.E. Oakley

DEPTH 666.3 Ft. DIP TESTS 44.0° at 325 Ft. - 43.5° at 666 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand & Gravel.
	12.5	
12.5		DYKE - Fine grained Quartz Diorite Dyke. Medium carbonate. Low greenish chlorite. Core badly broken.
	15.0	
15.0		ANORTHOSITE Fine grained, Brecciated to complete type feldspar 80-95% Low pale greenish chlorite matrix. Patches of black chlorite replacement usually in low shear or fracturing, barren, in at approximately 35-50° to C.A.. Patchy brownish to mauve alteration product, leucoxene. Medium carbonate with leucoxene alteration. Some sections contain low sulphides, pyrite, some pyrrhotite & chalcopyrite. LOST CORE 113.7 - 119.2
	311.7	
311.7		DYKE - Fine grained greenish grey Quartz Diorite. Low greenish chlorite matrix. Medium carbonate in fractured sections. Very fine grained chilled contacts, core broken. Many small white carbonate stringers, barren. Negligible sulphides in part, disseminated pyrite. Section between 333.0-357.0 light grey, fine grained, medium carbonate alteration, low shear or fracturing, fair foliation at 50-60° to C.A. Between 356.5-358.5 low to medium sulphides, disseminated pyrite. Lower contact quite sharp in at 30° to C.A.
	379.2	
379.2		ANORTHOSITE Fine grained, Brecciated to complete type feldspar 80-90%. Low pale greenish chlorite matrix, black type in part. Spotty mauve alteration product, leucoxene. Low shear in small sections throughout approximately 35° to C.A.
	398.5	
398.5		DYKE - Fine grained grey Feldspar Porphyry. Massive. Many small white feldspar phenos. Small white carbonate filled fractures. Contacts quite sharp but badly broken.
	409.0	
409.0		ANORTHOSITE Fine grained brecciated to complete feldspar 80-95%. Low greenish chlorite matrix, small sections black type chlorite usually in small low shears 30° to C.A. Spotty mauve alteration product, leucoxene. Black chlorite increasing from 440.0-444.9 Low to medium sulphides in part, excellent type, pyrrhotite & chalcopyrite.
	444.9	
444.9		DYKE - Fine grained Greenish grey Diorite. Negligible chlorite. Low carbonate. Medium silica. Fairly well fractured. Many small to medium sized carbonate & quartz stringers & fractures. Low to medium sulphides, excellent type, pyrrhotite & chalcopyrite.
	452.8	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #100

FOOTAGE		DESCRIPTION
		Note:- Highest concentration of sulphides occurs in Anorthosite inclusion between 448.9 - 450.3 Note:- Mineralized zone 444.9-456.8
	452.8	
452.8		ANORTHOSITE Fine grained brecciated feldspar 80-90%. Low pale to greyish green chlorite. Low to medium black chlorite in sheared section in contact with Dyke. Some graphite along slip faces. Shear variable 30-50° to C.A.. Low to high sulphides, mainly chalcopyrite with some pyrrhotite.
	456.8	As above but little or no sulphides. Patchy brownish & mauve alteration product, leucoxene.
	466.1	
466.1		ROCK TYPE INDEFINITE - (Dyke) Fine grained Diorite, porphyritic, dark green in color. Fine grained. Medium dark green chlorite. Many Anorthositic inclusions throughout. Much dark mauve alteration product, leucoxene Good examples of magnetite lattice work. Low to medium sulphides in part, excellent type, pyrrhotite & chalcopyrite occurring in carbonate rich material.
	475.0	
475.0		ANORTHOSITE Fine grained brecciated to complete type feldspar 80-90%. Negligible to low pale greenish chlorite matrix. Patchy dark grey to black type chlorite occurring mostly in low shear & fractured sections. Much brownish & bluish alteration product up to 20% in sections. LOST CORE 584.4 - 590.3
	593.5	As above. Medium to high black chlorite replacement in negligible to low shear sections, fair foliation at approximately 55° to C.A.
	666.3	END OF HOLE

A S S A Y   R E T U R N S

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
HH928	#1402	440.0-443.0	3.0'	.01	0.100
929	#1403	444.9-448.9	4.0'	.01	0.100
930	#1404	448.9-450.3	1.4'	.02	0.250
931	#1405	450.3-452.8	2.5'	.01	0.050
932	#1406	452.8-456.8	4.0'	.01	0.700

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #101 LOCATION 5100NE - 2900SW DATE STARTED Apr. 26th,1956

DIP 38° LAT. DEP. DATE FINISHED May 1st, 1956

BEARING 215° ELEVATION LOGGED BY A.E. Oakley

DEPTH 477.6 Ft. DIP TESTS 39.0 @ 250 ft. - 38.0 @ 477 ft

FOOTAGE		DESCRIPTION
0.0		CASING - Sand & Gravel
	12.0	
12.0		ANORTHOSITE Mainly fine grained brecciated to complete type feldspar 80-95%. Low pale greenish to grey chlorite, small scattered sections black type chlorite. Spotty brownish to mauve alteration product.
	102.8	
102.8		DYKE - Fine grained grey green Diorite. Low chlorite. Low shear & fracturing. Small scattered Anorthosite inclusions. Irregular carbonate & quartz stringers & fractures. Contacts sharp but core broken. Negligible to low sulphides, mainly pyrrhotite in carbonate quartz material.
	108.0	
108.0		ANORTHOSITE Fine to medium grained brecciated to complete type feldspar 80-95%. Low greyish green chlorite, increasing to medium from 121.5-132.2 . Low mauve alteration product, leucoxene in part. Note:- Fine grained grey dyke between 124.4-125.6
	132.2	
132.2		DYKE - Fine grained Quartz Diorite. Massive. Low to medium chlorite. Negligible carbonate. Medium silica. Much fine grained quartz & feldspar mottling throughout. A few small scattered carbonate stringers. Contacts sharp, low chilling & somewhat brecciated, core broken. LOST CORE 145.6-146.5
	149.8	
149.8		ANORTHOSITE - Low alteration. Fine grained brecciated to complete type feldspar 80-95%. Low to medium greyish green to black chlorite. Negligible carbonate. Medium silica. Scattered white to yellowish alteration product. Note:- Low fault zone between 173.5-180.0 ,several sections up to 2.0' containing brecciated Anorthosite & Dyke remnants. Negligible sulphides in small quartz carbonate stringers cut at 55-65° to C.A.
	180.0	Anorthosite as above. Slight increase in chlorite content Fair amount of mauve & yellowish alteration product, leucoxene.
	200.2	Rock type indefinite (Altered Anorthosite). Greyish green in color. Fine grained. Medium green chlorite. Negligible carbonate matrix. Low silica. Fine grained relic & ghost type feldspar 15%. Low shear, poor foliation. Low fine grained sulphide content in carbonate rich material, pyrrhotite & chalcopyrite. Suggested fragments throughout ,could be low fault zone as between 173.5-180.0
	203.9	Anorthosite as above. Fine grained relic to complete type feldspar 75-90%. Low pale greyish green chlorite. Spotty yellowish alteration product. Scattered low sheared sections up to .2' some containing low sulphides, pyrrhotite, some chalcopyrite. LOST CORE 217.0-220.0
	254.0	Anorthosite as above. Becoming darker in color. Fine

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #101

FOOTAGE		DESCRIPTION
		grained relic to complete type feldspar 80-95%. Low pale greenish chlorite matrix. Small scattered shears or fracturing, sections of black type chlorite, poor foliation variable. Scattered negligible sulphides, pyrrhotite & some chalcopyrite in carbonate rich material Patchy mauve & yellowish alteration product.
	286.1	
286.1		DYKE - Light grey Feldspar Porphyry. Low carbonate. Medium silica. Many small white feldspar phenos. Contacts sharp but badly ground.
	289.9	
289.9		ANORTHOSITE Fine grained relic type feldspar 80-90%. Low greenish chlorite matrix. Low to medium carbonate increasing towards 292.0
	292.0	Anorthosite. Sheared & altered Zone. Fine grained relic type feldspar 10-90%. Medium black type chlorite in sections. Medium shear in part, good foliation but variable 40-70° to C.A.. Many scattered white carbonate & quartz stringers, barren. Negligible sulphides, pyrrhotite in small stringers. Patchy mauve alteration product.
	314.1	
314.1		DYKE - Probably altered Feldspar Porphyry. Light grey in color. Fine grained. Medium carbonate matrix. Medium silica. Suggested relic feldspar phenos. Scattered irregular carbonate & quartz stringers & fractures. Contacts sharp but core broken.
	318.9	
318.9		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low greenish grey to black type chlorite. Medium silica. Spotty mauve to blue alteration product.
	327.2	
327.2		DYKE - Altered Diorite. Light grey in color. Very fine grained. Massive. Medium carbonate alteration. Medium silica. Many small quartz & feldspar specks throughout. Sharp chilled contacts in at 50 & 60° to C.A.. A few small carbonate quartz stringers, barren.
	331.5	
331.5		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low pale greyish green chlorite matrix. Low carbonate. Medium to high silica. Patchy mauve & yellowish alteration product. Section between 364.5-366.5 low shear, medium black type chlorite, medium carbonate, small greyish carbonate stringers & veinlets, barren. Feldspar becoming finer grained & decreasing towards 377.4
	377.4	Sheared altered Anorthosite. Dark grey to black in color. Fine grained. Medium black type chlorite. Medium to high carbonate. Low silica. Fine grained relic feldspar 5-40%. Low shear or fracturing, poor foliation. Scattered white carbonate & quartz stringers, barren. Possibly altered dyke remnants in part. Patchy white to yellowish alteration product. Little or no sulphides.
	396.3	
396.3		DYKE - Altered Feldspar Porphyry. Light grey in color. Fine grained. Fairly massive.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #101

FOOTAGE	DESCRIPTION
	Medium to high carbonate alteration. Medium silica. Small white feldspar phenos in part. Many small white carbonate & quartz stringers & fractures. Sharp chilled contacts. Upper contact ground, lower contact in at 50° to C.A.
413.7	
413.7	ANORTHOSITE Fine grained relic to complete type feldspar 80-95%. Low pale greyish green chlorite. Medium silica. Scattered sections low shear or fracturing, variable, containing low to medium black type chlorite. Patchy mauve & bluish alteration product.
442.3	Mineralized Zone. Anorthosite as above. Suggested low shearing, poor foliation at approximately 55° to C.A. Low disseminated sulphides throughout, mainly pyrrhotite with some chalcopyrite.
455.3	Anorthosite as above. Fine grained relic & brecciated to complete type feldspar 70-95%. Low pale greyish green chlorite matrix. Negligible carbonate. Medium to high silica. Small scattered white carbonate & quartz veinlets & stringers, barren.
477.6	END OF HOLE

NO SAMPLES.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #102 LOCATION 4100NE - 3050SW DATE STARTED May 2nd, 1956

DIP 45° LAT. _____ DEP. _____ DATE FINISHED May 5th, 1956

BEARING 230° ELEVATION _____ LOGGED BY A. J. Oakley

DEPTH 471.0 Ft. DIP TESTS 36.5° at 471.0 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand.
	26.0	
26.0		DYKE - Fine grained grey Diorite. Low chlorite matrix. Low to medium carbonate. Medium silica. Fine grained quartz & feldspar speckling throughout. Small scattered carbonate rich stringers, barren. Lower contact quite sharp & chilled for about 2'. Some pyrrhotite present in small fractures in chilled material, core broken but seems to be in at 40° to C.A.
	37.5	
37.5		ANORTHOSITE - Altered & Sheared. Light grey to black in color. Fine grained brecciated type feldspar 80-90%. Negligible to low carbonate. Medium silica. Many sections up to 2.5' low to medium shear, good foliation 25-35° to C.A., containing medium to high black type chlorite. Carbonate rich stringers & fractures some containing low amounts of sulphides, excellent type, pyrrhotite & chalcopyrite. Low patchy yellowish alteration product.
	96.0	As above. Altered. Less sheared, becoming slightly more massive. Fine to medium grained relic to fairly well developed feldspar laths 80-90%. Low to high black type chlorite occurring in small sheared sections, some containing carbonate stringers & veinlets. Negligible sulphides in carbonate rich material, pyrrhotite & chalcopyrite.
	199.0	As above. Altered, sheared in part. Light grey to black in part. Low to high black type chlorite. Negligible to low carbonate. Medium silica. Many sheared sections throughout up to 3.0' with fair to good foliation 45-60° to C.A., containing small white carbonate & quartz rich stringers & veinlets, some containing minor amounts of pyrrhotite & chalcopyrite. Between 240.0-250.0 several white quartz veins, barren, seem to be flat lieing.
	260.8	
260.8		DYKE - Feldspar Porphyry. Light to medium grey in color. Fine grained. Massive. Low carbonate. Medium silica. Many small white feldspar phenos. Some light fracturing. Contacts very sharp in at 45° to C.A.. No shear in walls in Anorthosite.
	264.2	
264.2		ANORTHOSITE - Low alteration. Light grey greenish in color. Fine to medium grained relic & brecciated to complete type feldspar 80-90%. Low greyish green chlorite matrix, some black type chlorite. Low mauve, blue & brownish alteration product 5-8%. Low shear in part, poor to fair foliation 60-70° to C.A.. Small scattered white quartz & carbonate strs. & fractures, some containing negligible amount of pyrrhotite & chalcopyrite. Several small white & greyish quartz veinlets flat laying, barren.
	334.0	Anorthosite. Low shear, low to medium alteration. becoming darker grey in color, somewhat finer grained. Fine to medium grained relic & brecciated feldspar 70-80% Low to medium black type chlorite. Medium shear in part, containing many small white quartz & carbonate stringers,

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #102

FOOTAGE		DESCRIPTION
		some containing appreciable amounts of pyrrhotite & chalcopyrite, particularly in contact with Porphyry Dyke. Note:- 344.0 - 347.0 probable reason for Resistivity Anomaly.
	344.7	
344.7		DYKE - Feldspar Porphyry. Dark grey in color. Fine grained. Massive. Medium carb. Medium silica. Small white quartz filled fractures, barren Many small white feldspar phenos. Contacts quite sharp & chilled in at 60-65° to C.A.
	346.3	
346.3		ANORTHOSITE - Altered & low sheared. Medium grey to black in color. Fine grained, relic & brecciated type feldspar 80-90%. Low to medium black type chlorite. Low carbonate. Medium silica. Low shear in part, fair foliation in part 40-60° to C.A.. Scattered white carbonate rich stringers & sections, some containing low amounts of pyrrhotite & chalcopyrite, particularly in contact with above Feldspar Porphyry Dyke Several small dykelets or dyke remnants throughout.
	421.5	As above. Becoming lighter in color, coarser grained. Fairly massive but still some shearing containing black type chlorite. Mainly low to medium greyish green chlorite throughout. Patchy mauve & brownish alteration product.
	444.0	As above. Becoming darker in color, finer grained. Relic & brecciated to complete type feldspar varying 80-90%. Low to medium shear in part, fair to good foliation 60° to C.A.. Much black type chlorite in sheared sections. Many small white & grey carbonate stringers & sections, some containing negligible amounts of pyrite.
	471.0	END OF HOLE

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #103 LOCATION 4120NE - 3725SW DATE STARTED May 7th,1956

DIP 45° LAT. DEP. DATE FINISHED May 12th,1956

BEARING 50° ELEVATION LOGGED BY A.E. Oakley

DEPTH 513.5 Ft. DIP TESTS 39.0° at 250 Ft. - 36.0° at 510 Ft.

FOOTAGE		DESCRIPTION
0.0	32.0	CASING - Sand.
32.0	57.0	ANORTHOSITE - Altered. Sheared in part. Fine to medium grained relic & brecciated feldspar 80-90% Low black type chlorite. Medium carbonate alteration in part. Medium silica. Many sheared sections up to 1.0' containing high black type chlorite with quartz carbonate stringers & veinlets, poor to fair foliation, variable at 10-40° to C.A., some containing negligible amounts of pyrrhotite & chalcopyrite.
57.0	74.8	DYKE - Diorite. Medium grey green in color. Fine grained. Fairly massive. Low chlorite. Medium carbonate. Medium silica. Much fine grained white feldspar & carbonate speckling throughout. Some light carbonate filled fractures throughout. Sharp chilled contacts 50° to C.A. One Anorthosite inclusion between 70.7-72.5
74.8	113.3	ANORTHOSITE - Altered. Fine grained relic to complete type feldspar 80-95%. Low black type chlorite occurring in small fractures & shears Low to medium carbonate in part. Medium to high silica. Scattered white carbonate & quartz veinlets, probably flat lieing, barren. Small scattered altered sections, medium carbonate, medium chlorite, low silica, with some mauve alteration product , usually low to medium fine sulphides associated, pyrrhotite & chalcopyrite.
113.3	118.7	DYKE - Feldspar Porphyry Light pale greenish grey in color. Medium grained. Massive Negligible carbonate. Medium silica. Many closely packed white feldspar phenos. Sharp chilled contacts, upper in at 30°, lower in at 50° to C.A.
118.7	153.5	ANORTHOSITE Fine grained relic to complete type feldspar 85-95%. Negligible to low greenish & black type chlorite. Negligible carbonate. Medium to high silica. Scattered white quartz & carbonate veinlets, probably flat lieing from 145.0-153.5 . Low suggestion of shear in part, negligible carbonate, medium to high silica, low to medium sulphides, mainly pyrrhotite with some chalco.
153.5	156.3	DYKE - Feldspar Porphyry Dark grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Small scattered white feldspar phenos. Sharp chilled contacts 55° & 40° to C.A.
156.3		ANORTHOSITE Fine grained relic to complete type feldspar 80-95%. Low to medium greenish to black type chlorite. Negligible carbonate. Medium to high silica.alteration. Patchy mauve type alteration product in low carbonate, low

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #103

FOOTAGE		DESCRIPTION
		chlorite, low sheared sections, some associated pyrrhotite & chalcopyrite.
	167.2	As above. Becoming finer grained, more massive. Increasing black type chlorite content. Negligible to low carbonate. Medium to high silica. Low sulphides in part, disseminated pyrrhotite & some chalcopyrite. Low suggestive shear, poor foliation.
	207.0	
207.0		DYKE - Feldspar Porphyry, Altered. Light grey in color. Very fine grained. Medium to high carbonate alteration. Medium silica. Small scattered white feldspar remnants. Many small white carbonate filled fractures, some containing minor amounts of pyrrhotite. Contacts quite sharp, upper in at 40° to C.A. lower indefinite.
	211.0	
211.0		ANORTHOSITE - Inclusion. Fine to medium grained relic type feldspar 70-80%. Highly fractured & brecciated. Many small irregular carbonate & quartz filled fractures, barren.
	214.2	
214.2		DYKE - Feldspar Porphyry, Altered. Light grey in color. Very fine grained. Fairly massive. Medium to high carbonate alteration. Medium silica. Relic & ghost type feldspar phenos. Small scattered carbonate & filled fractures. Low to medium sulphides in part, mostly pyrrhotite with some chalcopyrite. One small Anorthosite inclusion. Contacts quite sharp at approximately 40° to C.A.
	219.6	
219.6		ANORTHOSITE Fine grained relic to complete type feldspar 80-90%. Low to medium greyish green to black type chlorite. Low to medium carbonate in part. Medium silica. Low shear suggested, poor foliation at approximately 50° to C.A.. Small scattered dyke remnants. Negligible to low sulphides, mainly pyrrhotite & chalcopyrite in carbonate rich material.
	251.9	
251.9		DYKE - Diorite Medium greyish green in color. Fine grained. Massive. Negligible chlorite. Medium to high carbonate. Medium silica. Fine grained quartz & feldspar mottling throughout. Contacts quite sharp in at approx. 50° to C.A
	260.0	
260.0		ANORTHOSITE Fine grained relic to complete & brecciated type feldspar 80-90%. Negligible to low greyish green chlorite. Negligible carbonate. Medium to high silica.
	305.0	As above. Containing medium to high sulphides, mainly chalcopyrite & some pyrrhotite in carbonate rich material
	306.5	
306.5		DYKE - Diorite Medium greenish grey in color. Fine to medium grained. Massive. Low chlorite. Low carbonate in chilled contact phases. Fine grained speckling or mottling throughout, mostly feldspar, very fine in contacts becoming quite coarse in centre of dyke. Contacts quite sharp, lower in at 55° to C.A.. Some fractures in contacts, barren.
	326.6	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #103

FOOTAGE		DESCRIPTION
326.6	362.0	ANORTHOSITE Fine grained relic & brecciated to complete type feldspar 80-95%. Low greyish green chlorite matrix. Negligible carbonate. Medium silica. Quite massive throughout.
362.0	364.2	DYKE - Feldspar Porphyry Light pale greenish grey in color. Fine grained. Massive. Negligible carbonate. Medium silica. Many small white feldspar phenos. Contacts quite sharp approximately 40° to C.A.
364.2	439.5	ANORTHOSITE Fine grained relic to complete type feldspar 80-95%. Low pale to greyish green & black type chlorite. Low carb. Medium silica. Quite massive with small black chloritized sheared sections. Scattered white quartz & carbonate stringers & fractures. Note:- Between 415.0-416.0 low shear, medium chlorite & carbonate alteration zone, medium to high sulphides, mainly pyrrhotite with low chalcopyrite.
439.5	446.2	DYKE - Grey Diorite Light grey in color. Very fine grained. Medium carbonate. Medium silica. Much very fine white speckling throughout. Small scattered white carbonate filled fractures, some containing low amounts of pyrrhotite. Contacts quite sharp, but irregular.
446.2	466.8	ANORTHOSITE Fine grained relic & brecciated type feldspar 80-90%. Low to medium pale to dark greyish green to black type chlorite. Low carbonate. Medium silica. Many sheared & altered sections containing white carbonate & quartz stringers & veinlets, barren, fair to good foliation approximately 50° to C.A.. Little or no sulphides.
466.8	472.5	DYKE - Feldspar Porphyry Light grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Many small white brecciated feldspar phenos. Contacts quite sharp, possibly 55° to C. A.
472.5	513.5	ANORTHOSITE Fine to medium grained relic & brecciated type feldspar laths 70-90%. Low greyish green chlorite matrix, some black chlorite occurring in small sheared sections. Small scattered white carbonate stringers & fractures, barren. END OF HOLE

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	#1407	145.0-149.0	4.0'	Tr.	0.050
	#1408	149.0-153.5	4.5'	.01	0.100
	#1409	305.5-306.5	1.0'	.02	1.450

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #104 LOCATION 5000NE - 4350SW DATE STARTED May 7th,1956

DIP 45° LAT. DEP. DATE FINISHED May 9th,1956

BEARING 215° ELEVATION LOGGED BY A.E. Oakley

DEPTH 581.0 Ft. DIP TESTS 37.0° at 581.0 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand.
	12.0	
12.0		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 75-95%. Low pale greyish green chlorite matrix, some black type chlorite in small fractured sections. Low spotty mauve & brownish alteration product. Small scattered white quartz & carbonate veinlets & fractures, some mineralized with negligible amounts of pyrrhotite & some chalcopyrite.
	85.6	
85.6		DYKE - Feldspar Porphyry. Light to medium grey in color. Low carbonate. Medium silica. Many small white feldspar phenos. Much broken core. LOST CORE 87.0 - 93.0
	94.0	
94.0		ANORTHOSITE Fine to medium grained relic & brecciated feldspar 70-80% Low to medium greyish green chlorite matrix. Negligible carbonate. Medium silica. Small scattered sections of mauve alteration product. Some negligible sulphides, pyrrhotite & chalcopyrite. LOST CORE 95.0 - 96.8 " " 100.0- 101.5
	120.2	Low shear. Low alteration. Becoming darker in color. Fine grained relic type feldspar 30-40%. Medium chlorite,dark grey to black type. Negligible carbonate. Medium silica. Low shear or fracturing, poor foliation. Many irregular small carbonate & quartz filled fractures. Shearing becoming more definite between 127,0-132.2 in at approx. 45° to C.A.
	132.2	
132.2		DYKE - Fine grained grey Diorite Dyke. Light grey in color. Very fine grained. Fairly massive. Fine grained white speckling throughout. Small white carbonate fractures. Contacts sharp but badly broken.
	135.0	
135.0		ANORTHOSITE - Low shear. Low alteration. Fine grained relic & brecciated feldspar 70-75%. Low greyish green to black type chlorite. Sections of medium carbonate, white & mauve. Medium silica alteration. Low shear in part, fair foliation at 45° to C.A.. Many small white & colored carbonate & quartz stringers & sections, some mineralized with low amounts of pyrrhotite & chalco.
	149.2	
149.2		DYKE - Quartz Feldspar Porphyry. Light grey in color. Fine grained. Medium carbonate. Medium silica. Many white quartz phenos. Contacts quite sharp but core broken.
	151.0	
151.0		ANORTHOSITE - MEDIUM SHEAR - MEDIUM TO HIGH ALTERATION. Dark grey to black in color. Fine grained relic feldspar 5-75%. Low to medium dark grey to black chlorite

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #104

FOOTAGE		DESCRIPTION
		alteration. Medium to high carbonate alteration. Low silica. Medium serpentinized in part. Low to medium shear, fair foliation but variable, possibly 45° to C.A. Many small white carbonate stringers & fractures. Sections of high carbonate & mauve alteration product containing low sulphides, pyrite. Becoming less sheared towards 178.3
	178.3	
178.3		DYKE - Fine grained Quartz Porphyry. Medium grey in color. Very fine grained. Low carbonate alteration. Medium silica. Fine grained white speckling throughout. Several Anorthositic inclusions. Small white quartz phenos. Contacts quite sharp 30 & 40° to C.A. Small irregular carbonate & quartz filled fractures, barren.
	186.7	
186.7		ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 70-90%. Low greyish green chlorite matrix. Low carbonate in small sheared sections. Spotty brownish to mauve alteration product.
	197.5	As above. Fine grained relic to complete type feldspar 80-95%. Negligible carbonate. Medium to high silica. Low greyish green chlorite matrix. Negligible sulphides, pyrite occurring in small chlorite sections.
		LOST CORE 222.7-226.5
	233.0	As above. Becoming somewhat coarser grained. Many small carbonate fractures & sections throughout, many mineralized with low sulphides, pyrrhotite & chalcopyrite Note:- Between 277.5-278.4 fine grained grey feldspar porphyry dyke. Becoming coarser grained, darker in color, with mauve alteration product appearing towards 290.2
	290.2	
290.2		DYKE - Feldspar Porphyry. Light grey in color. Very fine grained. Medium carbonate alteration. Medium silica. Scattered white feldspar phenos. Scattered white carbonate & quartz stringers & veinlets, some containing minor amounts of pyrrhotite & chalcopyrite. Some pyrite between 301.0-303.0
	303.0	Becoming darker in color, coarser grained. Negligible carbonate. Medium silica. Fine grained white speckling throughout, mainly feldspar. Small scattered white carbonate fractures. Negligible sulphides, disseminated pyrite.
	309.5	Becoming lighter in color. Much finer grained. Medium carbonate alteration. Medium silica. Many small carbonate & quartz filled stringers & fractures. Negligible sulphides, disseminated pyrite, some pyrrhotite. Contacts are quite sharp, upper in at 30° to C.A., lower in at 10° to C.A.
	314.0	
314.0		ANORTHOSITE Medium to coarse grained brecciated feldspar laths 40-70 %. Medium greenish grey chlorite matrix. Low to medium carbonate in first 5 feet, decreasing. Medium silica in part. Much mauve alteration product decreasing towards 330.0'. Much coarse grained hornblende in part. Low sulphides throughout. Mainly fine pyrrhotite with some chalcopyrite. Note:- One small quartz carbonate veinlet at 324.5 containing medium to high sulphides, chalcopyrite & pyrrhotite.
	325.0	Becoming lighter in color. Fine to coarse grained brecciated feldspar laths 70-80%. Low to medium greyish

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #104

FOOTAGE	DESCRIPTION
	green to black type chlorite matrix. Negligible carbonate. Medium silica. Negligible sulphides occuring in chlorite & carbonate rich material, pyrrhotite & some disseminated pyrite, usually associated with mauve alteration product.
370.0	Becoming much finer grained, lighter in color. Fine grained relic type to complete type feldspar 80-90%. Low pale greyish green chlorite matrix. Slight carbonate increase. Medium silica. Spotty mauve alteration product. Weak shear indicated, fair foliation at approximately 50° to C.A.. Little or no sulphides. Note:- Small fine grained grey dyke, probably feldspar porphyry, between 514.9-515.5
515.5	As above. Becoming quite massive, darker in color, coarser grained. Medium grained fairly well developed feldspar laths 80%. Dark grey green chlorite matrix. Medium silica.
581.0	END OF HOLE

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	#105	LOCATION 1100NE - 1150SW	DATE STARTED May 14th,1956
DIP	50°	LAT._____ DEP._____	DATE FINISHED May 25th, 1956
BEARING	215°	ELEVATION _____	LOGGED BY A.E. Oakley
DEPTH	695.6 Ft.	DIP TESTS 44.0° at 350 Ft. - 39.0° at 695 Ft.	

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders.
	136.3	
136.3		ANORTHOSITE - Altered. Fine grained relic type feldspar 30-40%. Low black type chlorite matrix. Medium to high carbonate alteration. Negligible silica. Small scattered white carbonate strs
	139.4	As above. Fine grained relic type feldspar 5-10%. Medium to high black type chlorite matrix. Medium to high carbonate alteration. Negligible silica. Low talcose in part. Many scattered white carbonate fractures & stringers throughout varying from 30-60° to C.A.. Low shear in part, fair foliation in part, possibly 50° to C.A.. Negligible sulphides, disseminated cubic pyrite in part.
	176.1	
176.1		DYKE - Feldspar Quartz Porphyry Light grey in color. Fine grained. Medium carbonate alteration in chilled phases. Medium silica. Small relic white feldsper & bluish phenos throughout. Small scattered white carbonate & quartz fractures & veinlets ,barren.
	183.6	
183.6		ANORTHOSITE - Sheared & Altered. Fine grained relic feldspar 5-10%. Low grey to black chlorite matrix. Low carbonate alteration. Low silica. Many white carbonate & quartz stringers throughout, barren. Medium shear in part, good foliation 25-40° to C.A.
	189.5	
189.5		DYKE - Feldspar Quartz Porphyry. Light grey in color. Fine grained. Medium carbonate. Medium silica. Fine grained relic feldspar & bluish quartz phenos. Contacts quite sharp, upper in at 15° to C.A., lower in at approximately 55° to C.A.
	191.6	
191.6		ANORTHOSITE - Sheared & Altered. Fine grained relic type feldspar 10-15%. Low dark grey chlorite. Medium carbonate. Low silica. Low to medium shear, fair foliation in at 45-60° to C.A.. Many white & bluish carbonate stringers & fractures, barren.
	192.7	Anorthosite. Fine grained & brecciated type feldspar 70-80%. Low pale greenish chlorite matrix. Medium carbonate. Medium silica. Low serpentinized. Small scattered white carbonate & quartz stringers & fractures, barren.
	197.9	
197.9		DYKE - Altered Diorite. Light grey in color. Fine grained. Massive. Low greenish grey chlorite. Medium carbonate alteration. Medium silica. Contacts chilled & quite sharp in at approximately 45° to C.A.
	206.2	

(CONTINUED)

DIAMOND DRILL LOG

CBALSKI (1945) LIMITED

HOLE NO. #105

FOOTAGE		DESCRIPTION
206.2		ANORTHOSITE - Altered. Fine to medium relic & brecciated type feldspar 70-80%. Low pale green to black type chlorite matrix. Medium carbonate alteration. Medium silica. Scattered white carbonate & quartz stringers & fractures & veinlets with some silvery white mica occurring in carbonate rich material, usually along fractures.
	221.8	
221.8		DYKE - Altered Diorite. Light grey in color. Very fine grained. Medium carbonate alteration. Medium silica. Scattered white carbonate & quartz fractures, barren. Contacts sharp in at approximately 45° to C.A. Note:- minor amount of cubic pyrite in Anorthosite side of contacts in carbonate rich material.
	228.1	
228.1		ANORTHOSITE - Altered & Sheared. Fine grained relic type feldspar 40-50%. Medium black type chlorite matriz. Medium to high carbonate alteration. Low silica. Low shear, fair foliation in part approximately 45° to C.A.. Scattered white carbonate stringers & fractures, barren. Negligible sulphides, disseminated cubic pyrite.
	252.0	As above. Feldspar content decreasing 20-30%, becoming more ghost type & serpentinized. Carbonate content increasing. Chlorite content decreasing. Medium shear t throughout, fair to good foliation but variable 15-50° to C.A.. Negligible sulphides, disseminated pyrite in part.
	290.0	
290.0		DYKE - Altered Diorite Light grey in color. Very fine grained. Massive. Low to medium carbonate alteration. Medium silica. Fine grained bluish quartz speckling throughout. Scattered white carbonate & quartz fractures, barren. Contacts very sharp but core broken.
	297.3	
297.3		ANORTHOSITE - Altered & Sheared. Fine to medium grained relic & ghost type feldspar, serpentinized in part, 30-85%. Low pale green & light grey to black type chlorite. Medium to high carbonate alteration. Low to medium talcose. Spotty yellowish alteration product. Scattered white carbonate & quartz stringers & fractures, barren. Medium shear, fair to good foliation but variable 30-55° to C.A.. Negligible sulphides, mainly scattered cubic pyrite with some chalcopyrite occurring in or near carbonate rich material.
	376.4	
376.4		DYKE - Altered Diorite. Light grey in color. Fine grained. Massive. Medium carbonate alteration. Medium silica. Much fine grained speckling throughout, white feldspar & carbonate with some bluish quartz phenos. Scattered white quartz filled fractures. Contacts quite sharp but irregular.
	380.5	
380.5		ANORTHOSITE Fine grained ghost relic type feldspar 70-80%. Low pale greyish green chlorite matrix. Medium to high carbonate alteration. Medium talcose. Medium serpentinized. Low to medium shear, fair foliation in part approximately 45° to C.A.
	392.5	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #105

FOOTAGE		DESCRIPTION
392.5		DYKE - Altered Diorite Light to medium grey in color. Fine grained. Massive. Medium carbonate alteration. Medium silica. Small scattered white quartz & carbonate stringers. Contacts chilled & quite sharp but core broken.
	395.8	
395.8		ANORTHOSITE Fine grained ghost relic type feldspar 35-75%. Low pale greyish green to medium black type chlorite matri Medium to high carbonate alteration. Serpentinized. Low talcose throughout. Low to medium shear, fair foliation in part 50° to C.A.. Small scattered white carbonate stringers & fractures, some containing negligible amount of pyrite & chalcopyrite. Negligible sulphides, mostly small cubic pyrite.
	465.0	As above. Fine grained ghost relic type feldspar decreasing 10-35%. Medium to high black type chlorite increasing towards 498.0'. Medium to high carbonate alteration. Medium talcose. No increase in shear intensity but poor foliation. Scattered white carbonate stringers & fractures, some with cubic pyrite. Negligible sulphides, mainly small crushed pyrite cubes.
	498.0	As above. Fine to medium grained relic ghost type feldspar, serpentinized in part, 25-35%. Slight decrease in black type chlorite. Note:- 3 small altered diorite dykes between 498.0-499.4 & 501.1-502.1 & 508.0-509.3 .
	528.5	
528.5		DYKE - Altered Diorite Light grey in color. Fine grained. Massive. Medium carbonate alteration. Medium silica. Scattered white quartz veinlets & carbonate stringers, barren. Contacts quite sharp, upper in at 35°, lower in at 55° to C.A.
	546.9	
546.9		ANORTHOSITE - Altered & Sheared. Fine grained relic & ghost type feldspar, serpentinized in part, 35-40%. Low pale grey green & medium black type chlorite. Medium to high carbonate alteration. Low talcose. Low shear, poor foliation. Scattered white quartz veinlets, barren. Many small carbonate filled fractures, barren. Note:- One small altered diorite dyke 560.4-562.3
	571.5	Anorthosite. Fine grained ghost relic type feldspar, serpentinized in part, 40-60%. Slight decrease in black type chlorite, medium increase in pale greyish green chlorite. Medium to high carbonate alteration. Negligible sulphides, mainly crushed cubic pyrite. Low to medium shear, fair to good foliation, approx. 50° to C.A.
	605.0	Fine grained ghost relic type feldspar increasing 50-70%, Becoming slightly less serpentinized. Low pale grey green & black type chlorite matrix. Medium to high carbonate alteration. Medium talcose in part. Low to medium shear, poor foliation. Little or no sulphides.
	695.6	END OF HOLE

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	#106	LOCATION	5300NE - 4450SW	DATE STARTED	May 11th, 1956
DIP	45°	LAT.	DEP.	DATE FINISHED	May 14th, 1956
BEARING	215°	ELEVATION		LOGGED BY	A.E. Oakley
DEPTH	379.8 Ft.	DIP TESTS	No Dip Tests		

FOOTAGE		DESCRIPTION
0.0		CASING - Sand.
	12.0	
12.0		ANORTHOSITE Fine to medium grained relic to complete type feldspar 80-90%. Low pale greyish green chlorite matrix. Low carbonate. Medium to high silica. Patchy yellowish & mauve alteration product, some bluish type. Low sulphides in part, in small chlorite & carbonate sections, usually some mauve & bluish alteration product present.
	72.0	
72.0		DYKE - Feldspar Porphyry Light grey in color. Fine grained. Massive. Low carb. Medium silica. Medium grained white feldspar phenos occurring in centre of dyke. Sharp chilled contacts approximately 45° to C.A.. Small white carbonate filled fractures in chilled contacts, barren.
	76.9	
76.9		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 70-90%. Low to medium pale greyish green to black type chlorite matrix. Negligible carbonate. Medium silica. Patchy mauve & bluish alteration product usually with minor amounts of pyrrhotite & chalcopyrite associated. Small scattered sheared or fractured sections, some containing black type chlorite with carbonate & quartz stringers & fractures. Many white quartz veinlets between 125.0-141.3 barren.
	141.3	
141.3		DYKE - Diorite Medium grey green in color. Fine to medium grained. Medium chlorite. Medium carbonate. Low to medium silica. Fine grained white speckling throughout. Sharp contacts with increasing carbonate content, in at approximately 55° to C.A.
	153.4	
153.4		ANORTHOSITE Fine to medium grained relic to complete type feldspar 80-90%. Low pale greyish green chlorite matrix. Low carbonate. Medium to high silica. Small scattered sheared or fractured sections with carbonate & quartz stringers & fractures, some containing minor amounts of pyrrhotite & chalcopyrite. Patchy mauve alteration product. Note:- 157.6-159.0 Altered dyke. Light grey. Fine grained. Negligible carbonate. Medium silica. Small white carbonate rich fractures. Quite sharp contacts.
	205.0	Anorthosite. Fracture Zone. Fine to medium grained relic type feldspar 70-80%. Low to medium greyish green chlorite matrix. Low carbonate. Medium silica. Many small to medium sized sheared & fractured sections up to 2.0' in at approximately 55° to C.A., containing low to medium chlorite, negligible carbonate, some are possibly dyke remnants, with negligible to low sulphides, pyrrhotite & pyrite in carbonate rich strs. & fractures. Scattered mauve type alteration product.
	242.8	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE #106

FOOTAGE		DESCRIPTION
242.8		DYKE - Altered Feldspar Porphyry Light pale greenish grey in color. Fine grained. Low to medium carbonate in chilled contacts. Medium silica. Fine grained white feldspar phenos throughout. Medium shearing or fracturing, good foliation at 55° to C.A. Many small white carbonate stringers. Some fine disseminated pyrite & pyrrhotite throughout. Sharp chilled contacts 40 - 55° to C.A. One Anorthosite inclusion occurs between 247.0-247.7 Note:- Fair concentration of sulphides occur in Anorth. side of contacts, in carbonate rich material, pyrrhotite & chalcopyrite in sections up to 0.5'
	248.7	
248.7		ANORTHOSITE - Fracture Zone. Fine to medium grained relic & brecciated type feldspar 80-90%. Low to medium greenish grey to black type chlorite. Negligible carbonate. Medium silica. Small scattered sheared or fractured sections with mauve type alteration product, some containing negligible to low amounts of sulphides, pyrrhotite & chalcopyrite in carbonate rich material.
	267.7	Anorthosite. Sheared & Altered. Fine to medium grained relic & ghost type feldspar 10-15%. Low pale greenish grey chlorite. Low to high carbonate alteration in part. Low silica in part. Medium serpentinized in part. Medium shear in part, fair foliation 55° to C.A.. Sections of mauve type alteration product with some chalcopyrite & pyrrhotite mineralization. Scattered white & greyish carbonate & quartz veinlets up to 0.5' containing low pyrrhotite & chalcopyrite.
	271.8	Anorthosite. Fine to medium grained relic type feldspar 80-90%. Low greenish chlorite matrix. Low fracturing throughout. Patchy mauve alteration product with low pyrrhotite & chalcopyrite.
	277.5	Anorthosite. Sheared. Fine to medium grained relic type feldspar 10-50%. Low greenish grey chlorite matrix. Medium carbonate in part. Medium silica. Medium shear, fair to good foliation, variable at 45-65° to C.A.. Many small to medium sized white carbonate & quartz strs. & veinlets, some containing negligible amounts of pyrrhotite & chalcopyrite with some disseminated pyrite. One section of mauve alteration product containing low pyrite & chalcopyrite.
	306.6	Anorthosite. Fine to medium grained relic to complete type feldspar 80-90%. Low greyish green chlorite matrix. Negligible carbonate. Medium to high silica. Small scattered fractured chlorite & carbonate sections, some containing negligible pyrrhotite.
	365.0	Anorthosite. Alteration Zone. Sections of relic type feldspar 30-35%. Medium green chlorite matrix in part. Medium to high carbonate alteration. Medium silica. Much mauve type alteration product 70-80%. Medium fine grained sulphides in part, pyrite with pyrrhotite & chalcopyrite.
	370.0	Anorthosite. Fine to medium grained relic type feldspar 80-90%. Low greyish green chlorite matrix. Negligible carbonate. Medium silica. Spotty mauve alteration.
	372.2	
372.2		DYKE - Altered Feldspar Porphyry Light grey in color. Fine grained. Low carbonate. Medium silica. Small scattered white feldspar phenos. Contacts quite sharp but core broken. Inclusions of Anorthosite in lower contact.
	374.5	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #106

FOOTAGE		DESCRIPTION
374.5		ANORTHOSITE Fine grained relic to complete type feldspar 85-95%. Negligible chlorite. Low carbonate. Medium to high silica Small scattered fractures containing black type chlorite.
	378.2	Anorthosite. Altered. Dark grey in color. Fine grained relic feldspar in part 10%. Medium silica to low carbonate alteration with medium fine grained sulphides, mainly pyrrhotite with some chalcopyrite.
	379.8	END OF HOLE

NOTE:- Hole was lost when casing became dislodged from bedrock.

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	#1410	365.0-370.0	5.0'		
	#1411	378.2-379.8	1.6'		

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #107 LOCATION 5300NE - 4450SW DATE STARTED May 15th, 1956

DIP 60° LAT. DEP. DATE FINISHED May 18th, 1956

BEARING 215° ELEVATION LOGGED BY A.E. Oakley

DEPTH 498.1 Ft. DIP TESTS 53.0° at 498 Feet.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand.
	6.6	
6.6		ANORTHOSITE Fine grained relic to complete type feldspar 70-90%. Low pale grey green chlorite matrix. Negligible carbonate. Medium silica. Low mauve type alteration product with low amount of pyrrhotite & chalcopyrite, usually in increased chlorite sections. Scattered white quartz stringers & veinlets, barren.
	56.5	As above. Becoming slightly more massive, with less evidence of low shear or fracturing. Low spotty mauve alteration product. Little or no sulphides.
	90.0	As above. Low regular foliation with some low chloritized fractured sections, some containing negligible amount of pyrite, chalcopyrite & pyrrhotite.
	106.0	
106.0		DYKE - Feldspar Quartz Porphyry. Light grey in color. Fine grained. Massive. Low carbonate in part. Medium silica. Many small white feldspar phenos. Scattered bluish quartz phenos. Negligible sulphides, disseminated pyrite. Sharp chilled contacts but core broken.
	114.4	
114.4		ANORTHOSITE Fine grained relic to complete type feldspar 75-90%. Low pale greyish green chlorite matrix with some black type chlorite in part. Negligible carbonate. Medium to high silica. Small scattered sheared or fractured sections containing medium greyish green chlorite, some containing low amount of mauve type alteration product, usually with some negligible to low sulphides, pyrrhotite & chalcopyrite. Scattered white quartz stringers & veinlets, barren.
	200.0	As above. Sections up to 2.0' containing medium to high mauve type alteration in greyish green to black type chlorite, medium to high carbonate alteration, medium fine grained sulphides, mostly pyrrhotite with some chalcopyrite.
	246.6	
246.6		DYKE - Feldspar Porphyry Medium grey in color. Fine grained. Low carbonate. Medium silica. Small fine feldspar phenos. Sharp contacts, core broken.
	247.2	
247.2		ANORTHOSITE Fine to medium grained relic to brecciated to complete type feldspar. Low to medium greyish green chlorite matrix. Negligible carbonate. Medium silica. Many small fractured sections containing medium chlorite with medium mauve type alteration product usually containing negligible to low sulphides, pyrrhotite & chalcopyrite occurring mostly in carbonate rich material. Low evidence of foliation throughout 40-50° to C.A.
	319.0	As above. Becoming more massive. Medium grained. Brecciated feldspar laths 70-80%. Medium greyish green chlorite matrix. Less evidence of fracturing but still

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #107

FOOTAGE		DESCRIPTION
		some mauve alteration product. Little or no sulphides.
	338.5	
338.5		DYKE - Feldspar Quartz Porphyry Light grey in color. Very fine grained. Medium carbonate alteration. Much fine grained speckling of feldspar & quartz phenos. Sharp contacts 40 & 50° to C.A.
	339.7	
339.7		ANORTHOSITE Medium grained relic & brecciated & complete type feldspar 70-90%. Low greyish chlorite matrix. Negligible carbonate. Medium silica. Spotty mauve type alteration product.
	350.0	As above. Sheared in part. Fine grained relic & brecciated & complete type feldspar 80-90%. Low greyish green to black type chlorite. Low shear in part, fair to good foliation 45° to C.A. containing small carbonate & quartz stringers & fractures, some low sulphides, pyrrhotite.
	377.2	
377.2		ALTERED FELDSPAR PORPHYRY DYKE Light grey in color. Very fine grained. Low to medium carbonate. Medium silica. Scattered fine grained relic feldspar phenos. Many small white quartz & carbonate stringers & fractures with some fine pyrrhotite, in at approximately 65° to C.A.. Sharp sheared contacts in at 65° to C.A.
	380.4	
380.4		ANORTHOSITE Fine grained relic to complete type feldspar 80-90%. Low pale greenish chlorite matrix. Low carbonate. Medium silica. Spotty mauve & bluish alteration product. Low suggested shear in part. Note:- Small grey acid dyke between 407.5-408.2
	409.6	
409.6		DYKE - Feldspar Porphyry. Light grey in color. Fine grained. Massive. Medium carbonate in part. Medium silica. Many small relic feldspar phenos throughout. Contacts chilled & quite sharp 40° to C.A.. A few scattered white carbonate filled fractures.
	412.0	
412.0		ANORTHOSITE Fine grained relic type feldspar 70-90%. Low to medium greyish green chlorite matrix. Negligible carbonate. Medium silica. Low spotty mauve alteration product. Low shear suggested. Scattered white carbonate & quartz veinlets, barren.
	431.6	
431.6		DYKE - Feldspar Quartz Porphyry Light grey in color. Fine grained. Massive. Low carbonate. Medium silica alteration. Fine grained white feldspar & bluish quartz phenos throughout. Small white carbonate & quartz rich fractures, barren. Sharp chilled contacts, upper in at 35° to C.A., lower badly broken.
	435.1	
435.1		ANORTHOSITE Fine to medium grained relic to complete type feldspar 80-90%. Low greyish green chlorite matrix. Low carbonate. Medium to high silica. Low patchy bluish alteration product.
	443.0	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #107

FOOTAGE		DESCRIPTION
443.0		DYKE - Diorite Dark grey green in color. Very fine grained. Low chlorite. Low to medium carbonate alteration. Medium silica. Much fine grained white speckling throughout, possibly feldspar & with some bluish quartz phenos. Upper contact sharp in at approximately 60° to C.A.
	446.0	Dyke. Feldspar Porphyry. Light grey in color. Fine to medium grained. Negligible carbonate. Medium silica. Many small to medium relic type feldspar phenos throughout. Contacts quite clear & very sharp at 45° to C.A.
	450.3	Dyke. Diorite. Dark grey greenish in color. Fine grained. Massive. Low to medium chlorite. Low to medium carbonate. Medium silica. Much fine grained white speckling throughout, seems to be mostly carbonate. Contacts are quite sharp but lower one badly broken.
	474.5	
474.5		ANORTHOSITE - Altered & low sheared. Dark grey to black in color. Fine grained relic feldspar in part 10%. Medium black type chlorite alteration. Medium carbonate alteration in part, decreasing towards 478.5 . Low silica increasing towards 478.5 . Low fine grained sulphides in carbonate rich material, mostly pyrrhotite. Low shear in part, poor foliation.
	478.5	Anorthosite. Fine grained relic to complete type feldspar 80-90%. Low green & greyish green chlorite matrix. Low carbonate. Medium to high silica. Patchy mauve alteration product.
	498.1	END OF HOLE

A S S A Y R E T U R N S

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTHS	Au.	Cu.
	#1412	200.0-201.5	1.5'		
	#1413	206.5-208.0	1.5'		
	#1414	213.5-215.5	2.0'		
	#1415	230.5-231.5	1.0'		

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #108 LOCATION 38SOUTH - 3000SW DATE STARTED May 20th, 1956

DIP 45° LAT. _____ DEP. _____ DATE FINISHED May 26th, 1956

BEARING 215° ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 614.4 Ft. DIP TESTS 39.0° at 614 Feet.

FOOTAGE		DESCRIPTION
0.0		CASING - Bedrock, moss covered.
	3.5	
3.5		ANORTHOSITE Fine grained relic type feldspar 70-80%. Low dark grey to black type chlorite matrix. Negligible carbonate. Medium silica. Spotty mauve type alteration product. Low shear suggested approx. 50° to C.A.
	18.4	
18.4		DYKE - Diorite. Light yellowish greybin color. Very fine grained. Negligible carbonate. Medium silica. Core badly broken.
	19.1	
19.1		ANORTHOSITE Fine grained relic to complete ghost type feldspar 80-90%. Low dark grey to black type chlorite matrix. Negligible carbonate. Medium to high silica. Low to medium spotty bluish type alteration product. Low shear or fracturing suggested, poor foliation approx. 50° to C.A.
	34.0	
34.0		DYKE - Diorite. Light yellowish grey in color. Very fine grained. Negligible carbonate. Medium silica. Core badly broken. Contacts seem to be quite sharp approx. 50° to C.A.
	35.7	
35.7		ANORTHOSITE Fine to medium grained relic type feldspar 70-80%. Low grey green & black type chlorite. Negligible carbonate. Medium silica. Small white carbonate stringers in black type chlorite, barren.
	39.0	
39.0		DYKE - Diorite. Light yellowish grey in color. Very fine grained. Negligible carbonate. Medium silica. Low shear, poor foliation. Contacts quite sharp but core badly broken.
	40.0	
40.0		ANORTHOSITE Fine to medium grained relic & ghost type feldspar 10-70 %, serpentinized in part. Medium to high dark green chlorite matrix. Medium to high carbonate. Low silica. Low fine grained disseminated magnetite throughout. No sulphides.
	47.3	Anorthosite. Fine to medium grained relic & complete type feldspar 80-95%. Low grey green & some black type chlorite. Negligible carbonate. Medium to high silica. Spotty mauve to salmon colored alteration product. Low fracturing throughout.
	87.0	
87.0		DYKE - Feldspar Porphyry Light grey in color. Fine grained. Low carbonate in part. Medium silica. Many small white feldspar phenos, throughout. Contacts chilled & quite sharp but core badly broken.
	91.7	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #108

FOOTAGE		DESCRIPTION
91.7		ANORTHOSITE Fine grained relic & brecciated type feldspar 80-90%. Low greyish green & low to high black type chlorite in part. Negligible to low carbonate in part. Medium silica. Small scattered sheared sections containing much black type chlorite with small white carbonate stringers & fractures, some containing negligible amount of pyrrhotite & chalcopyrite.
	119.1	
119.1		DYKE - Diorite. Dark greyish green in color. Fine grained. Low greenish chlorite. Low carbonate. Medium silica. Much fine graine mottling throughout, feldspar laths & quartz phenos. Centre of dyke coarser grained with fine grained fractured & chilled contacts quite sharp but core badly broken.
	132.0	
132.0		ANORTHOSITE Fine grained relic & brecciated type feldspar 80-90%. Low dark grey to black type chlorite, some greenish chlorite in part. Negligible carbonate. Medium silica. Low fracturing & shear throughout, poor foliation approx. 60° to C.A.
	155.0	As above. Core becoming badly broken & weathered. Slight increase in shearing, poor foliation. LOST CORE 156.6-157.4 " " 159.2-160.7
	161.4	Probable Fault Zone. Dark grey to black in color. Fine grained relic type feldspar in part 5-20%. Medium black type chlorite throughout. Medium shear but core badly broken, varying 40-50° to C.A.. Some soft muddy gouge at 169.5' . Negligible carbonate. Some small white carbonate stringers cut at 10-15° to C.A.. Medium amounts of magnetite at 172.0' . Much broken core & lost core throughout. LOST CORE 161.4-163.4 " " 167.1-169.2 " " 170.0-172.0 " " 174.3-175.0
	176.5	Anorthosite. Fine grained relic type feldspar 70-80%. Low greyish green chlorite matrix. Negligible carbonate. Medium silica. Core still badly broken & much lost core. LOST CORE 177.8-178.9 " " 181.2-183.6 " " 184.3-187.3 " " 188.8-191.1
	191.2	
191.2		DYKE - Diorite Dark greenish grey in color. Very fine grained. Massive. Low greenish chlorite matrix. Medium carbonate. Medium silica. Much fine grained speckling throughout, seems to be mostly carbonate. Sharp chilled contacts but core broken.
	202.7	
202.7		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low greyish green & dark grey to black type chlorite. Negligible carbonate. Medium to high silica. Small scattered low sheared or fractured sections. Small scattered quartz stringers, barren. Several diorite dyke inclusions in first 5.0'
	251.5	Anorthosite. Mineralized Altered Zone. Fine grained relic type feldspar 10-15%. Low greenish chlorite matrix Medium to high carbonate alteration. Low silica. Medium

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #108

FOOTAGE		DESCRIPTION
		fine grained sulphides throughout, pyrrhotite & pyrite with a little chalcopyrite.
	254.0	Anorthosite. Fine grained relic to complete type feldspar 70-90%. Low greyish green to medium black type chlorite. Negligible carbonate. Medium to high silica. Low shear in part, poor foliation, with some white carbonate stringers, barren. Sections of badly broken core.
		LOST CORE 264.0-266.4
	282.2	
282.2		DYKE - Feldspar Porphyry. Light grey in color. Fine grained. Low carbonate in part. Medium silica. Many small irregular carbonate filled fractures. Small white feldspar laths occurring mostly in centre part of dyke.
	287.2	
287.2		ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 80%. Negligible carbonate. Medium silica. Low greenish grey to black type chlorite. Low shear or fracturing in part with small white carbonate filled fractures, barren
		LOST CORE 288.7-290.0
	292.4	
292.4		DYKE - Altered Feldspar Porphyry Medium grey in color. Very fine grained. Negligible carbonate. Medium silica. Small scattered white feldspar remnants throughout. Medium fracturing through -out. Many small white carbonate & quartz stringers & fractures, some containing negligible amounts of pyrrhotite.
	295.4	
295.4		ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 80-90%. Low to medium greyish green & black type chlorite matrix. Low shear in part, poor foliation. Small scattered white & bluish carbonate & quartz strs. & fractures. Note:- 2 small Feldspar porphyry dykes between 307.1-308.4 & 315.8-316.5 , contacts quite sharp in at approx. 45-55° to C.A.
	316.5	Anorthosite. Sheared Mineralized Altered Zone. Fine grained relic type feldspar 5-15%. Medium to high black type chlorite matrix. Negligible to low carbonate in part. Low silica. Medium shear in part, good foliation but variable 35-50° to C.A.. Many small to medium sized white carbonate & quartz stringers, fractures & veinlets. Low to medium sulphides in part, mainly pyrrhotite with negligible amount of chalco-pyrite.
		LOST CORE 318.9-320.0
		" " 323.5-324.8
	331.2	Anorthosite. Fine grained relic & brecciated type feldspar 80-90%. Low pale green chlorite matrix. Negligible carbonate. Medium silica. Quite massive & uniform.
	347.5	
347.5		DYKE - Altered Feldspar Porphyry Medium grey in color. Very fine grained. Negligible carbonate. Medium silica. Small scattered white feldspar remnants throughout. Medium fracturing through -out, many small white carbonate & quartz stringers & fractures, some containing negligible amount of pyrrhotite. Upper contact in at approx. 45° to C.A., lower badly broken.
	350.5	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #108

FOOTAGE		DESCRIPTION
350.5		ANORTHOSITE - Altered & Sheared Mineralized Zone. Fine grained relic type feldspar 30-40%. Low to medium greyish green chlorite matrix. Low black type chlorite in part. Medium to high carbonate alteration. Low silica. Low to medium shear, medium fracturing, fair to good foliation but variable 35-50° to C.A.. Many small white & bluish carbonate & quartz stringers & fractures throughout. Sections of high bluish carbonate alteration, containing low fine sulphides, mostly pyrrhotite with some chalcopyrite.
	360.2	Anorthosite. Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low pale green chlorite matrix. Low to medium black type chlorite in part. Negligible carbonate. Medium to high silica. Small scattered white quartz & carbonate veinlets, barren, some with green & black chlorite inclusions. Between 406.5-408.2 , Low shear & carbonate alteration in at 40-50° to C.A., low pyrrhotite with some chalcopyrite in carbonate quartz rich material.
	408.2	As above. Fine grained relic & brecciated feldspar 70-80%. Low pale greyish green & dark grey to black type chlorite. Low carbonate in part. Medium silica. Low suggested shear in part, poor foliation. Several small scattered altered diorite dykes up to 1.0' . scattered white carbonate & quartz stringers & fractures, some with negligible amount of pyrrhotite.
	443.7	
443.7		DYKE - Feldspar Porphyry. Light grey in color. Fine to medium grained. Massive. Negligible carbonate. Medium silica. Many small relic feldspar phenos throughout. Small scattered carbonate filled fractures, barren. Contacts quite sharp, upper brecciated, lower core broken. LOST CORE 448.0-452.1
	454.6	
454.6		ANORTHOSITE Fine grained relic to complete type feldspar 60-70%. Low pale greenish to black type chlorite matrix. Low carbonate alteration in part. Medium silica. Low shear fair foliation in part, 45° to C.A.. Many small white carbonate rich stringers & fractures. Negligible to low sulphides in part, mainly in carbonate rich material, pyrrhotite & some chalcopyrite. One small altered diorite dyke between 458.2-459.0
	459.2	As above. Fine to medium grained relic to brecciated to complete type feldspar 80-90%. Low pale to dark green chlorite matrix with small sections of black type chlorite. Negligible carbonate. Medium to high silica. Low patchy bluish alteration product occurring mostly in complete type feldspar. LOST CORE 482.7-485.0 " " 493.7-494.6
	501.7	
501.7		DYKE - Altered Diorite. Medium to dark grey in color. Fine grained. Massive. Medium carbonate alteration in chilled contact phases. Low carbonate towards centre of dyke. Medium silica. Much very fine speckling throughout, partly feldspar & partly quartz. Scattered white quartz & carbonate fractures, barren. Contacts quite sharp, upper undefined, lower core broken.
	510.2	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #108

FOOTAGE		DESCRIPTION
510.2		ANORTHOSITE Fine to coarse grained relic & brecciated to complete feldspar 80-90%. Many medium grained feldspar laths fairly well developed. Low pale greenish chlorite matrix. Negligible carbonate. Medium to high silica.
	529.1	As above. Sheared. Fine grained relic & complete feldspar in part 5-50%. Low to high black type chlorite alteration. Negligible carbonate. Low silica. Medium shear, fair to good foliation 50-60° to C.A. Small scattered white carbonate stringers & several white quartz & carbonate veins, barren. No sulphides.
	533.7	Anorthosite. Fine to medium grained relic type feldspar. Negligible to low pale grey green chlorite matrix. Many small sheared sections throughout containing low to medium black type chlorite, fair foliation in some approx. 55° to C.A.. Small medium carbonate sections, some containing minor amounts of pyrrhotite & chalcopyrite. LOST CORE 540.0-542.4 " " 564.6-565.7
	566.8	
566.8		DYKE - Altered Diorite. Medium grey in color. Fine grained. Low to medium carbonate alteration. Medium silica. Fine grained white speckling throughout, mainly feldspar. Contacts sharp but not too clear.
	569.6	Dyke. Feldspar Porphyry. Light pale greenish grey in color. Fine grained. Massive. Negligible carbonate. Medium silica. Many small white feldspar phenos. Sharp chilled contacts quite fine grained but easily defined upper & lower in at 50° to C.A. LOST CORE 570.5-575.0
	577.5	Dyke. Diorite. Darker grey in color than above Feldspar Porphyry. Finer grained. Massive. Low to medium carbonate. Medium silica. Contacts quite sharp, easily defined, upper 30° to C.A., lower approx. 50° to C.A.
	583.5	Dyke. Feldspar Porphyry. Light to medium yellowish in color. Fine grained. Negligible carbonate. Medium silica. Many small relic feldspar phenos. Contacts quite sharp easily defined, upper 50° to C.A., lower approx. 30° to C.A.. Negligible sulphides, pyrrhotite in fractured lower diorite side of contact.
	585.7	Dyke. Diorite. Medium grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Much fine speckling throughout, mostly carbonate with some feldspar. Contacts quite sharp, upper 30° to C.A., lower chilled & fractured at approx. 45° to C.A. LOST CORE 591.9-592.7
	596.2	
596.2		ANORTHOSITE Fine grained relic to complete type feldspar 80-90%. Low pale green & dark green chlorite matrix. Small sections low black type chlorite. Negligible carbonate Medium to high silica. Small scattered sections low shear, fair foliation 40° to C.A. containing small carbonate stringers & small bluish quartz veinlets, barren. Low patchy bluish alteration product.
	614.4	END OF HOLE

ASSAY RESULTS

Lab. No.	Sample No.	Footage	Width	Au.	Cu.
JJ393	#1416	251.5-254.0	2.5'	.02	
JJ394	#1417	325.0-330.0	5.0'	.01	
JJ395	#1418	406.5-408.2	1.7'	.01	

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #109	LOCATION 1100NW - 1325SW	DATE STARTED	May 27th,1956
DIP 50°	LAT. _____ DEP. _____	DATE FINISHED	June 15th,1956
BEARING 35°	ELEVATION _____	LOGGED BY	A.E. Oakley
DEPTH 856.0 Ft.	DIP TESTS 51.0° at 200 Ft.-51.5° at 400 Ft.-50.0° at 600 Ft.-48.5° at 856 Ft.		

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders.
	65.0	
65.0		CASING - In Bedrock.
	75.0	
75.0		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low greyish green chlorite matrix. Negligible amount of mauve & bluish alteration product. Low shear suggested in part.
	89.0	
89.0		DYKE - Diorite (Altered) Medium grey in color. Fine grained. Massive. Medium carbonate. Low silica. Small scattered white & bluish carbonate & quartz stringers. Contacts quite sharp & chilled, upper containing high carbonate in stringers in shear, 85° to C.A., lower badly broken.
	96.0	
96.0		ANORTHOSITE Fine to coarse grained relic & brecciated to complete type feldspar 80-95%. Low pale greyish green chlorite matrix. Low to medium carbonate in part, particularly in contact areas of the dykes. Medium silica in part. Low patchy mauve & bluish alteration product. Low shear suggested, fair foliation between 121.5-122.8 variable 50-85°.
	122.8	
122.8		DYKE - Diorite (Altered) Medium grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Contacts quite sharp, upper at 85°, lower badly broken.
	127.4	
127.4		ANORTHOSITE Fine to medium grained relic & brecciated feldspar 80-85 %. Low greyish green chlorite matrix. Medium silica.
	129.1	
129.1		DYKE - Feldspar Porphyry Medium grey in color. Fine grained matrix. Many small relic feldspar phenos. Medium carbonate alteration particularly in contact phases. Upper contact indefinite lower contact very sharp & chilled 40° to C.A.
	133.2	
133.2		ANORTHOSITE - Sheared & Altered Fine grained relic feldspar 5-8%. Medium to high black type chlorite. Medium to high carbonate throughout. Low to medium shear, fair foliation in part 45-50° to C.A. Low to medium talcose. Scattered white & bluish carbonate & quartz stringers & fractures. Negligible sulphides, pyrite occurring in carbonate rich material.
	159.3	
159.3		DYKE - Diorite (Altered) Light grey in color. Fine grained. Medium to high carbonate. Medium silica. Irregular white carbonate & quartz filled fractures, barren. Much lost core throughout.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.#109

FOOTAGE		DESCRIPTION
		LOST CORE 165.0-170.0 " " 171.5-175.0
	175.0	
175.0		ANORTHOSITE - Sheared & Altered Fine grained relic feldspar carbonated 5-10%. Medium to high black type chlorite. Medium to high carbonate alteration. Medium shear, fair to good foliation, low talcose, 45-55° to C.A.. Scattered white carbonate & quartz stringers & veins, mostly barren. Negligible sulphides, mainly fine disseminated pyrite. Much lost core. LOST CORE 176.1-177.3 " " 178.1-180.0 " " 181.0-184.3 " " 186.1-188.5 " " 191.3-194.0 " " 197.3-200.0 " " 201.8-203.3
	206.9	Anorthosite. Sheared & Altered. Fine grained relic & ghost type feldspar 40-50%. Low pale greyish green chlorite. Medium to high carbonate alteration. Low silica. Low to medium shear, fair to good foliation throughout, 40-50° to C.A. and 80-85° to C.A. in part. Scattered white carbonate stringers & fractures throughout. Between 220.4-222.6 shearing at 40-50° to C.A. with many carbonate & quartz stringers throughout Shearing at 80-85° to C.A. which contains medium black type chlorite. Negligible sulphides, mainly disseminated pyrite. Note:- Small altered diorite dyke between 210.5-211.1
	222.6	Anorthosite. Low sheared & low alteration. Fine to medium grained relic & brecciated to almost complete type feldspar 30-80%. Low pale greenish grey chlorite. Medium to high carbonate. Low to high silica. Low shear decreasing towards 241.3 with increasing feldspar 70%. LOST CORE 238.9-240.3
	241.3	Anorthosite. Probably recemented fault. Upper wall sheared approximately 35° to C.A.
	242.7	
242.7		DYKE - Green Diorite. Medium grey green in color. Fine grained. Fairly massive. Low chlorite. Low carbonate to medium carbonate in chilled phases. Medium silica. Contacts sharp but core badly broken.
	250.0	
250.0		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low pale greenish to greyish chlorite matrix. Small scattered sheared sections containing low to medium black type chlorite. Low carbonate. Medium to high silica. Low shear in part, poor foliation variable. Low spotty yellowish alteration product in part.
Water Seam	314.0	Anorthosite. Fine grained relic & brecciated type feldspar variable 30-70%. Low pale green chlorite matrix, sections of low to medium black type chlorite. Medium carbonate in part. Low silica. Note:- Much lost core between 314.0-348.5 due to water action. Core recovered badly leached out & very soft. Evidence of an altered diorite dyke between 352.0-360.0
	374.0	Anorthosite. Fine grained relic & brecciated feldspar, some ghost type, 50-70%. Low pale green chlorite matrix, low black type chlorite in part. Medium

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #109

FOOTAGE		DESCRIPTION
		carbonate alteration. Low shear, poor foliation. Negligible sulphides in part, limonite after pyrite. Sections of water seams but good recovery.
Water Seam	392.0	Anorthosite. As above. Much lost core due to water action. Core badly leached in sections. No evidence of sulphides in core recovered.
	487.7	Anorthosite. Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Sections of well developed medium sized feldspar laths. Low pale greyish green chlorite matrix. Low to medium black type chlorite occurring along small scattered sheared sections containing low to medium carbonate. Low shear in part, poor to fair foliation, variable 20 to possibly 50° to C.A.
	527.4	Anorthosite. Sheared & Altered. Fine grained relic carbonated type feldspar 5-10%. Low pale greyish green chlorite. Low to medium black type chlorite in part. Medium carbonate alteration throughout. Low silica. Low talcose. Mediumto low shear, fair to good foliation grading from 45° to 20° to C.A.. Many small & medium sized carbonate & quartz stringers & veinlets some with negligible amounts of pyrrhotite & chalcopyrite.
		LOST CORE 533.2-535.0
	547.2	Anorthosite. Sheared. Low alteration. Fine to medium grained carbonated relic & brecciated ghost type feldspar 50-75%. Feldspar becoming less ghost type & increasing to 75-80% towards 588.0 . Low pale greyish green chlorite matrix. Low black type chlorite in part. Medium carbonate decreasing to low carbonate towards 588.0 . Small to medium carbonate & quartz stringers & veinlets throughout, some with appreciable amount of pyrite, pyrrhotite & chalcopyrite. Medium to low shear decreasing towards 588.0, good to fair foliation approx. 15° at 547.2 and 40° at 588.0
MINERALIZED ZONE	588.0	Anorthosite. Mineralized Vein System. Fine to medium grained relic & brecciated feldspar in part throughout 50-70%. Low pale greyish green chlorite in part throug -hout. Scattered sheared sections containing dark grey to black type chlorite throughout. Low to medium carbonate alteration, mainly in sheared sections. Low to medium shear in part, fair to good foliation in part, variable at 80-20° to C.A.. Many small to large quartz veins from 1.0' to 9.0' in length containing low to high sulphides, excellent type, pyrite, pyrrhotite & chalcopyrite, variable percentages throughout.
	674.0	Anorthosite. Fine grained relic type feldspar 50-70%. Low greyish green chlorite, some black type in part. Low carbonate. Low to medium silica. Low to medium shear in part, fair foliation approx. 35° to C.A. Scattered quartz & carbonate rich material. Medium sulphides in part, mainly pyrite with some pyrrhotite & chalcopyrite.
	680.0	
680.0		DYKE - Diorite Medium grey in color. Fine grained. Massive. Negligible to low chlorite. Medium carbonate in part. Medium silica. Fine grained white speckling throughout Contacts quite sharp but irregular, possibly 45° to C.A.. Negligible sulphides, cubic pyrite.
	682.6	
682.6		ANORTHOSITE Fine to coarse grained relic & brecciated type feldspar laths 70-80%. Medium dark green chlorite matrix. Low carbonate in part. Medium silica. Low

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #109

FOOTAGE		DESCRIPTION
		shear suggested in part, good foliation 40° to C.A. Low to medium sulphides in part, mainly pyrite with some chalcopyrite & pyrrhotite, associated with carbonate & quartz rich material.
	696.4	
696.4		DYKE - Diorite. Medium grey in color. Fine grained. Massive. Negligible to low chlorite. Medium carbonate in part. Medium silica. Fine grained speckling throughout, probably feldspar. Small scattered blue quartz eyes. Low suggested shear or fracturing 35-45° to C.A. Contacts very sharp, both at 55° to C.A.
	699.1	
699.1		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 70-90%. Low to medium dark green & pale grey green chlorite matrix. Negligible to low carbonate. Medium silica. Small scattered sheared sections cut at 40 & 60° to C.A., containing quartz & carbonate rich material with appreciable amounts of pyrrhotite & chalcopyrite.
	701.6	Mineralized Quartz Vein. Fine grained relic feldspar in part. Low pale green chlorite matrix. Low to medium carbonate in part. Medium to high silica. Much white & grey blue quartz. Medium sulphides, excellent type, pyrrhotite & chalcopyrite & some pyrite.
	726.7	Anorthosite. Fine to medium grained relic & brecciated to almost complete type feldspar 70-90%. Low pale green to dark grey green chlorite matrix. Negligible carbonate. Medium to high silica. Low shear in part, 40-55° to C.A.. Small scattered white & bluish carbonate & quartz stringers, barren. Note:- Between 726.7-731.7 fair shear or fracturing with low amount of pyrrhotite & chalcopyrite.
MINERALIZED ZONE	756.5	Anorthosite. Sheared & Altered Zone. Fine grained reli & brecciated to complete type feldspar 5-80%. Low pale green & dark grey green chlorite matrix, some black type chlorite in part. Medium carbonate in part. Negligible to medium silica. Medium to high shear, good foliation variable 30-65° to C.A., medium serpentinized & sericitic. Many small white quartz & carbonate stringers. One milky white quartz vein between 765.2-768.1 barren. Low to medium sulphides in carbonate rich material between 758.2-764.1
	778.3	Anorthosite. Mainly fine grained almost complete type feldspar 80-95%. Negligible pale green chlorite. Negligible carbonate. Medium to high silica. Negligible black type chlorite in smal minute fractures. Low shear suggested, poor foliation.
	785.2	
785.2		DYKE - Grey Diorite. Medium grey in color. Medium grained. Massive. Medium carbonate alteration. Medium silica. Fine to medium grained speckling throughout, feldspar & blue quartz eyes. Contacts quite sharp 70° to C.A.
	787.6	
787.6		ANORTHOSITE Mainly fine grained almost complete type feldspar 80-95%. Negligible pale green chlorite. Negligible carbonate. Medium to high silica. Low shear suggested.
	791.8	Mineralized Shear Zone. Some fine grained relic feldspar in contacts. Medium to high black type chlorite. Negligible carbonate. Low silica. Medium to high shear, good foliation 20-35° to C.A., medium

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.#109

FOOTAGE	DESCRIPTION
	talcose, medium sericitized. Many small to medium sized carbonate & quartz stringers & veinlets mineralized with medium pyrite & chalcopyrite with some pyrrhotite.
796.5	Anorthosite. Mainly fine grained almost complete type feldspar 80-95%. Negligible to low pale green chlorite Medium to high silica. Small scattered sheared sections highly serpentinized & sericitized, in at approx. 25-35° to C.A.. Negligible to low sulphides, pyrrhotite & chalcopyrite associated with spotty bluish type alteration product. Note:- One small grey diorite dyke between 813.5-814.3 in at 50° to C.A. containing low amount of cubic pyrite.
856.2	END OF HOLE

A S S A Y R E T U R N S

Lab. No.	Sample No.	Footage	Width	Au.	Cu.
	#1419	512.0-513.0	1.0'	.01	
	#1420	548.3-551.0	2.7'	.01	0.100
	#1421	588.0-590.7	2.7'	.01	
	#1422	590.7-592.4	1.7'	.02	0.350
	#1423	592.4-594.2	1.8'	.01	
	#1424	594.2-596.6	2.4'	.01	
	#1425	596.6-600.8	4.2'	.01	0.100
	#1426	600.8-603.2	2.4'	.02	0.350
	#1427	603.2-604.9	1.7'	.01	0.050
	#1428	604.9-606.6	1.7'	.02	1.750
	#1429	606.6-609.5	2.9'	.01	
	#1430	609.5-612.3	2.8'	.01	
	#1431	612.3-616.9	4.6'	.01	0.080
	#1432	616.9-621.0	4.1'	.01	0.300
	#1433	621.0-622.7	1.7'	.01	0.050
	#1434	622.7-623.7	1.0'	.01	0.600
	#1435	623.7-626.8	3.1'	.01	0.250
	#1436	626.8-629.7	2.9'	.01	
	#1437	629.7-632.2	2.5'	.01	0.650
	#1438	632.2-634.7	2.5'	.03	1.000
	#1439	634.7-635.8	1.1'	.01	
	#1440	635.8-638.1	2.3'	.01	0.250
	#1441	638.1-641.6	3.5'	.01	
	#1442	641.6-646.6	5.0'	.01	
	#1443	646.6-651.0	4.4'	.01	0.150
	#1444	651.0-653.7	2.7'	.01	0.300
	#1445	653.7-657.5	3.8'	.01	0.400
	#1446	657.5-660.7	3.2'	.01	0.150
	#1447	660.7-663.6	2.9'	.01	0.750
	#1448	663.6-665.4	1.8'	.01	0.400
	#1449	665.4-668.5	3.1'	.01	0.150
	#1450	668.5-670.0	1.5'	.02	0.900
	#1451	670.0-674.0	4.0'	.01	0.100
	#1452	674.0-679.5	5.5'	.01	0.050
	#1453	705.4-706.5	1.1'		
	#1454	721.7-726.7	5.0'		
	#1455	726.7-731.7	5.0'		
	#1456	758.2-764.2	6.0'		
	#1457	764.2-769.2	5.0'		
	#1458	775.9-777.2	1.3'		
	#1459	792.0-796.5	4.5'		

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #110 LOCATION 3820N - 3000SW DATE STARTED May 26th, 1956

DIP 45° LAT. DEP. DATE FINISHED May 31st, 1956

BEARING 35° ELEVATION LOGGED BY A.E. Oakley

DEPTH 458.6 Ft. DIP TESTS 41.0° at 458 Feet.

FOOTAGE		DESCRIPTION
0.0		CASING - Bedrock Setup.
	3.5	
3.5		ANORTHOSITE Fine grained relic & brecciated to complete type feldspar 80-90%. Low pale grey green chlorite. Low to medium black type chlorite in part. Negligible carbonate. Medium to high silica. Low shear or fracturing, poor foliation. Low to medium patchy salmon to mauve alteration product. Small sections containing relic ilmenite. Small scattered quartz & carbonate strs. throughout, some containing minor amount of chalcopyrite & pyrrhotite. LOST CORE 109.1 - 110.0
	111.3	
111.3		DYKE - Green Diorite Medium greyish green in color. Medium green chlorite. Medium to high carbonate. Low silica. Many small white carbonate filled stringers & fractures, mostly barren, grading at upper contact at 70-30° at lower contact. Contacts very sharp but distorted, upper at approx. 45° & lower at approx. 70°.
	114.2	
114.2		ANORTHOSITE Fine grained relic & brecciated to complete type feldspar 70-95%. Low pale greyish green chlorite. Low black type chlorite in part. Negligible carbonate. Medium to high silica. Small scattered sections low shear 25-45° to C.A.. Low patchy salmon to mauve alteration product. LOST CORE 139.5 - 145.5
	165.4	
165.4		DYKE - Green Diorite Dark greyish green in color. Fine grained. Massive. Medium green chlorite. Low to medium carbonate. Medium silica. Much fine grained speckling throughout, mostly carbonate. Contacts very sharp & chilled in at 40° to C.A.
	180.3	
180.3		ANORTHOSITE Fine grained relic & brecciated type feldspar 70-80%. Low pale greyish green chlorite. Low dark grey chlorite in part. Negligible carbonate. Medium silica. Suggested low shear, fair foliation in part 40° to C.A.. Low mauve alteration product, leucoxene. Patchy bluish alteration product. LOST CORE 205.9 - 206.6 " " 211.5 - 215.0
	215.5	
215.5		DYKE - Altered & Sheared. (Rock Type Indefinite) Light grey to black in color. Fine grained. Black type chlorite in part. Low carbonate. Negligible silica. Many small irregular carbonate & quartz stringers. Much dragfolding. Medium shear, variable 10-30° to C.A. Contacts quite sharp, upper in at 10° to C.A. Note:- Core badly broken, some lost core. LOST CORE 116.8 - 118.0 " " 120.0 - 121.7

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #110

FOOTAGE		DESCRIPTION
	222.4	Anorthosite Inclusion. Medium grained relic & brecciated type feldspar 80%. Low greenish chlorite. Negligible carbonate. Medium silica. Core badly broken. LOST CORE 223.4 - 225.0
	225.0	Green Diorite. Medium grey green in color. Fine to medium grained. Massive. Low green chlorite. Negligible carbonate except in chilled phases near contacts, then medium to high carbonate. Medium silica. Much fine grained speckling throughout, probably feldspar with some quartz. Lower contact quite sharp at 45° to C.A. LOST CORE 231.5 - 232.4
	236.6	
236.6		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low to medium pale greyish green chlorite. Low dark grey chlorite in part. Negligible carbonate. Medium silica. Low patchy mauve & bluish alteration product. Low shear or fracturing in part.
	305.0	As above. Becoming finer grained feldspar 70-80%. Decreasing amount of green chlorite, increasing amount of dark grey to black type chlorite. Negligible carbonate. Medium silica. Slight increase in low shear in part, fair foliation 50° to C.A., with some at 30° to C.A.
	319.5	
319.5		DYKE - Rock Type Indefinite (Altered Green Diorite) Dark green in color. Fine grained. Medium to high green chlorite. Low carbonate with medium to high carbonate in part. Low silica. Sections up to 1.5' well fractured & almost complete carbonate replacement with low amount of fine elongated pyrrhotite. Low to medium shear in part, variable. Contacts quite sharp but fused LOST CORE 325.2 - 327.8
	329.1	
329.1		ANORTHOSITE Fine to medium relic & brecciated to complete type feldspar 80-95%. Low pale greyish green chlorite matrix Low dark grey to black type alteration. Negligible to low carbonate. Medium to high silica. Small scattered carbonate stringers, some containing minor amount of pyrrhotite & chalcopyrite. Patchy mauve & bluish alteration product. Low suggested shear or fracturing. Note:- several small altered dykes as above between 329.1-336.0
	372.6	
372.6		DYKE - Green Diorite. Medium greenish grey in color. Fine grained. Massive. Low greenish chlorite. Negligible carbonate except in very fine chilled contact phases then medium to high carbonate. Much fine grained mottling, probably fine grained feldspar. Between 376.0-382.0 many medium sized relic type feldspar laths. Contacts quite sharp, upper at 60° to C.A., lower in at 40° to C.A. Note:- Between 376.9-377.3 small intrusive Feldspar Porphyry Dyke.
	391.3	
391.3		ANORTHOSITE Medium grained relic & brecciated type feldspar 70-80%. Low pale greyish green chlorite. Low carbonate in part. Medium silica. Small patchy mauve alteration product. Scattered white & greyish carbonate rich fractures. LOST CORE 396.6 - 397.9 " " 400.7 - 401.7
	402.6	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #110

FOOTAGE		DESCRIPTION
402.6	405.0	DYKE - Grey Diorite Medium grey in color. Fine grained. Medium carbonate alteration. Low silica. Small scattered white carbonate quartz stringers & fractures, barren. Contacts definite upper fused & sheared in at 60° to C.A., lower core badly broken.
405.0		ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 70-85%. Low pale greyish green chlorite matrix. Low carbonate in part. Medium silica. Much small patchy mauve leucoxene alteration product.
	410.0	Anorthosite. Altered. Fine grained relic feldspar in part 10%. Medium greenish chlorite matrix. Medium carbonate in part. Low silica. Fairly coarse mauve alteration in part with fine associated sulphides, pyrrhotite & chalcopyrite.
	411.3	Anorthosite. Fine to medium grained relic to complete type feldspar 80-95%. Low to medium greenish chlorite matrix. Negligible carbonate. Medium to high silica. Sections rusted indicating water seams particularly in contact with lower dyke. LOST CORE 413.8 - 415.0
	417.4	
417.4	427.3	DYKE - Grey Quartz Diorite Light greenish grey in color. Fine grained. Fairly massive. Low carbonate. Medium silica. Fine grained white speckling throughout, relic feldspar laths. Contacts quite sharp, upper broken, lower in at 30° to C.A. LOST CORE 420.0 - 423.0 " " 425.0 - 427.2
427.3		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 70-95%. Low pale greyish green chlorite matrix. Low dark grey to black type chlorite in part. Negligible carbonate. Medium silica. Patchy mauve & bluish alteration product, leucoxene. Low shear in part, fair foliation approx. 45° to C.A.. Small scattered white quartz veinlets, barren.
	458.6	END OF HOLE

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #111 LOCATION 3000NW - 1325SW DATE STARTED June 1st, 1956

DIP 50° LAT. DEP. DATE FINISHED June 16th, 1956

BEARING 85° ELEVATION LOGGED BY A.E. Oakley

DEPTH 522.7 Ft. DIP TESTS 41.0° at 275 Ft. - 39.0° at 522 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Hard pan.
	53.5	
53.5		ANORTHOSITE - Altered. Mainly fine grained relic & some medium sized brecciated type feldspar laths 80-90%. Medium black type chlorite alteration in many small irregular fractures. Negligible to low carbonate. Medium silica. Low shear suggested, poor foliation possibly 45° to C.A.. Negligible sulphides fine disseminated type pyrrhotite & some chalcopyrite. Some white mica throughout.
	104.0	Anorthosite. Fine to medium fairly well developed feldspar laths 70-80%. Low dark grey green chlorite matrix with some black type chlorite in part. Spotty mauve to salmon alteration product.
	133.0	Anorthosite. Becoming finer grained. Fine to medium grained relic & brecciated type feldspar 80-85%. Low pale green & some black type chlorite. Negligible carbonate. Medium to high silica. Negligible sulphides, disseminated pyrrhotite. Sections throughout medium grained fairly well developed brecciated feldspar laths 70-80% with feldspar content increasing towards 195.5
	195.5	Anorthosite. Becoming finer grained. Fine grained relic & brecciated type feldspar 50-70%. Low pale green & dark grey green chlorite, sections of medium black type chlorite. Low shear increasing towards 199.5 fair to good foliation 45° to C.A.
	199.5	Sheared & Altered. Fine grained relic feldspar in contacts of shear 5-8%. Medium to high black type chlorite alteration. Negligible carbonate. Low talcose. Many small carbonate & quartz stringers & veinlets, barren
	201.3	Anorthosite. Fine to medium grained relic & brecciated type feldspar 70-80%. Low pale green & dark grey green chlorite. Negligible carbonate. Medium silica. Low shear or fracturing, poor foliation.
	207.2	
207.2		DYKE - Grey Diorite Light grey in color. Fine grained. Medium carbonate alteration. Medium silica. Many small white carbonate & quartz stringers, barren. Contacts quite sharp, upper contact brecciated, lower core badly broken.
	211.3	
		NOTE:- Between 207.2 - 250.3 possibly Zone cut in Holes C1 & C2.
211.3		ANORTHOSITE Medium grained brecciated type feldspar 70-80%. Low dark grey green chlorite matrix. Negligible carbonate. Medium silica.
	213.6	
213.6		DYKE - Grey Diorite Medium grey in color. Fine grained. Massive. Medium carbonate alteration. Medium silica. Small scattered white carbonate & quartz filled fractures. Fine grained speckling throughout. Negligible sulphides, pyrrhotite. Contacts quite sharp & chilled, core broken, possibly 45° to C.A.
	219.6	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #111

FOOTAGE		DESCRIPTION
219.6		ANORTHOSITE Fine to medium grained relic & brecciated type feldspar. Low grey green chlorite matrix. Negligible carbonate. Medium silica.
	222.5	
222.5		DYKE - Grey Diorite. Medium grey in color. Fine to medium grained. Massive. Medium carbonate alteration. Medium silica. Much fine to medium grained speckling throughout. Scattered irregular white carbonate & quartz stringers & fractures, some with low amount of pyrrhotite & chalcopyrite. Low shear in part, fair foliation 55° to C.A.. Contacts sharp & chilled approx. 60° to C.A., upper contact fairly well sheared & mineralized.
	230.4	
230.4		ANORTHOSITE Fine grained relic & brecciated to almost complete type feldspar 70-90%. Low pale green grey chlorite matrix. Negligible carbonate. Medium silica. Sections of medium grey green chlorite & carbonate material from 240.0' on. Low sulphides, pyrrhotite & chalcopyrite occurring in carbonate rich material.
MINERAL-IZED ZONE Note: Obalski Landing Zone.	259.0	Anorthosite. Low sheared, low alteration. Becoming darker in color. Relic & brecciated feldspar content decreasing 30-0%. Medium carbonate alteration increasing in part. Medium silica in part. Medium talcose in part. Low to high shear in part, fair to good foliation 50° to C.A.. Many small white carbonate strs. & several large quartz veins containing medium sulphides, pyrrhotite & chalcopyrite. One quartz vein between 277.2-278.5 barren.
	281.2	Anorthosite. Fine to medium grained relic & brecciated type feldspar 70-85%. Low to medium pale grey green & dark grey green & black type chlorite. Low to medium carbonate in part. Medium to high silica. Some blue type alteration product in complete type feldspar. Some patchy mauve type alteration in part. Small scattered sheared sections containing carbonate & quartz rich material, mostly barren. One section between 322.0-333.0 containing appreciable amount of chalcopyrite.
	345.0	Anorthosite. Becoming light in color. Quite massive & fairly uniform. Fine grained feldspar content increasing 80-95%. Chlorite content decreasing, less black type chlorite. Low spotty bluish alteration product in complete type chlorite.
	414.5	
414.5		DYKE - Altered Feldspar Porphyry Light grey in color. Fine grained. Sheared or fractured. Low carbonate in part. Medium silica. Many small carbonate stringers, fair foliation which are in reverse to dip of contacts 60° to C.A.. Contacts quite sharp, slightly fused, 40° to C.A.
	417.3	
417.3		ANORTHOSITE Fine to coarse grained relic & brecciated to complete type feldspar 80-95%. Low pale green & low to medium dark grey green chlorite. Negligible carbonate. Medium silica. Scattered sheared sections containing medium to high black type chlorite with quartz & carbonate strs. & veinlets, some containing negligible amount of pyrrhotite & some chalopyrite & pyrite. Sheared sections in at 35-45° to C.A. LOST CORE 475.5-481.0
	522.7	END OF HOLE

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #111

A S S A Y R E T U R N S

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	#1460	223.0-224.5	1.5'		
	#1461	261.2-263.0	1.8'		
	#1462	263.0-266.8	3.8'		
	#1463	266.8-268.7	1.9'		
	#1464	268.7-270.4	1.7'		
	#1465	270.4-271.4	1.0'		
	#1466	271.4-276.2	4.8'		
	#1467	276.2-281.2	5.0'		
	#1468	332.0-333.0	1.0'		

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #112 LOCATION 1000NW - 750SW DATE STARTED June 18th,1956

DIP 50° LAT._____ DEP._____ DATE FINISHED July 4th,1956

BEARING 215° ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 763.0 Ft. DIP TESTS 48.0° at 300 Ft. - 46.5° at 600 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders.
	155.0	
155.0		ANORTHOSITE Mainly fine grained relic & brecciated to complete type feldspar 70-90%. Low pale grey green chlorite matrix. Low carbonate in part. Low shear, fair foliation to good foliation in part 35° to C.A.. Small scattered sheared sections containing low black type chlorite. Small scattered white quartz veinlets up to .03, barren.
	200.0	As above. Low to medium shear 45-50° to C.A. with minor amount of pyrite occurring in carbonate rich material.
	220.0	Becoming coarser grained, more massive. Relic & brecciated to complete type feldspar 80-95%. Negligible to low shear confined to small scattered sections, poor to fair foliation approx. 40 & 50° to C.A.. Low patchy alteration product.
	279.0	Becoming very fine grained. Mainly relic to complete type feldspar 85-95%. Negligible to low carbonate content. Low to medium black type chlorite in part. Medium fracturing. Negligible shear. Evidence of water seams. Core badly broken, becoming badly leached.
	305.0	Varying phases fine to medium grained relic & brecciated type feldspar. Low pale grey green chlorite matrix. Low evidence of carbonate probably due to water action. Sections throughout containing black type chlorite material. Core leached & badly broken with much lost core. Some evidence of mineral between 423.0 & 446.0 pyrite altered to limonite, small seams of chalcopyrite & negligible amount of dendritic copper occurring in small vugs.
	461.5	As above. Fine to medium grained relic & brecciated type feldspar 70-90%. Low pale grey green chlorite matrix. Low carbonate in part. Low shear in evidence in small scattered sections, fair to good foliation 20 & 55° to C.A., some with low black type chlorite.
	509.5	As above. Mainly fine grained relic & brecciated type feldspar 75-90%. Low pale grey to black type chlorite. Low pale grey green type chlorite. Low to medium carbonate alteration in part. Negligible to low shear in evidence, poor foliation.
	535.8	
535.8		DYKE - GREY QUARTZ DIORITE Light grey in color. Fine grained. Massive. Contact phases medium carbon, centre negligible carbonate. Scattered white feldspar phenos. Some light carbonate filled fractures. Contacts quite sharp in at 45° to C.A.
	538.8	
538.8		ANORTHOSITE Fine to medium grained relic & brecciated & small sections of complete type feldspar 70-95%. Negligible to low pale grey green chlorite. Low to medium grey & black type chlorite in part, in sections. Medium carbonate alteration in part. Sections of low to medium shear, fair to poor foliation, Some low serpentinized. Negligible amounts of white mica in part. Becoming more massive, less altered towards 611.0
	611.0	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #112

FOOTAGE		DESCRIPTION
611.0		DYKE - GREY DIORITE Medium grey in color. Very fine grained. Massive. Medium carbonate throughout. Medium silica. Much fine grained speckling throughout. Small scattered white carbonate filled fractures. Negligible sulphides in contacts, cubic pyrite. Contacts quite sharp but irregular.
	616.0	
616.0		ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 80-95%. Quite massive. Low pale grey green chlorite matrix. Negligible to low carbonate. Medium silica. Low patchy alteration product.
	640.0	
640.0		DYKE - GREY DIORITE Medium grey in color. Very fine grained. Massive. Medium carbonate throughout. Medium silica. Much fine grained speckling throughout. Negligible sulphides, mainly cubic pyrite. Contacts quite sharp in at 55° to C.A.
	645.8	
645.8		ANORTHOSITE Mainly fine to medium relic type feldspar 70-80%. Low pale grey green chlorite matrix, some black type chlorite in part. Scattered white & bluish quartz & carbonate veinlets, barren.
	655.5	
655.5		DYKE - GREY QUARTZ DIORITE Medium grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Many small carbonate rich fractures. Contacts sharp, lower shear & mineralized with pyrrhotite & pyrite, in at 50° to C.A.
	658.2	
658.2		ANORTHOSITE Mainly fine grained relic type feldspar 80-95%. Low pale green chlorite matrix. Low to medium black type chlorite in part. Medium carbonate alteration in part. Sections of medium shear with black type chlorite, fair foliation 50° to C.A.. Scattered white quartz & carbonate stringers & sections, barren.
	673.6	
673.6		DYKE - GREY QUARTZ DIORITE Light grey in color. Fine grained. Massive. Medium to high carbonate alteration. Fine grained speckling throughout. Contacts quite sharp in at 55° to C.A.. Negligible sulphides in contacts, cubic pyrite.
	675.7	
675.7		ANORTHOSITE - Altered & low sheared. Mainly fine grained relic & ghost type feldspar 30-60%. Low pale greyish green chlorite matrix. Medium carbonate alteration. Low talcose in part. Low grey & black type chlorite in part. Low shear, poor foliation. Negligible sulphides, cubic pyrite occurring mostly in high carbonate material.
	754.6	
754.6		DYKE - GREY DIORITE Light buff grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Many white carbonate & quartz filled fractures & veinlets, barren. Upper contact sharp & sheared in at 55° to C.A.
	763.0	END OF HOLE

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #113 LOCATION 8450NW - 1650SW DATE STARTED June 18th, 1956

DIP 50° LAT. DEP. DATE FINISHED July 3rd, 1956

BEARING 265° ELEVATION LOGGED BY A.E. Oakley

DEPTH 717.3 Ft. DIP TESTS 48.5° at 200 Ft. - 48.0° at 370.0 Ft. 46.5° at 650 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand & Gravel.
	60.0	
60.0		ANORTHOSITE Medium grained brecciated type feldspar laths 70-80%. Low grey green chlorite matrix. Negligible carbonate. Low patchy alteration product in small sections of complete type feldspar.
	66.8	
66.8		DYKE - FELDSPAR PORPHYRY TYPE Light grey in color. Fine grained. Massive. Negligible carbonate. Medium silica. Contacts sharp but broken.
	73.3	
73.3		ANORTHOSITE Mainly medium grained brecciated type feldspar with sections of almost complete type feldspar, 75-95%. Low to medium grey green chlorite matrix. Scattered small low to medium sheared sections containing medium black type chlorite with small stringers & fractures of white carbonate rich material, fair to good foliation 25-40° to C.A.. Low patchy mauve type alteration product. Negligible sulphides in part, pyrite.
	121.5	As above. Becoming quite massive. Little evidence of shear. Tombstone type Anorthosite. LOST CORE 123.5-125.0 " " 138.5-140.0 " " 142.3-143.4 " " 190.8-193.0
	198.0	As above. Still quite massive. Small scattered chlorite shears in evidence, some containing white carbonate filled fractures & negligible amount of cubic pyrite, in at 30-50° to C.A.
Water Seam	266.0	Anorthosite. Sheared & Altered. Medium to fine grained relic feldspar coalescing. Increasing grey green chlorite alteration. Low carbonate throughout. Silica content decreasing to centre of shear zone. Low to medium shear throughout, fair to good foliation 30-40° to C.A.. Mainly low sulphides throughout with some small sections of pyrite. Small to medium sized carbonate rich fractures in evidence badly leached, containing low amounts of oxidized sulphides, pyrite & chalcopyrite. Many small to medium sized vugs containing appreciable amount of dendritic copper. Much lost core throughout. LOST CORE 281.0-282.5 " " 286.1-289.4 " " 292.1-294.0 " " 295.4-296.4 Note:- Walls of above shear at 266.0' fairly well fractured & many small carbonate filled fractures containing low amounts of pyrite & chalcopyrite & some pyrrhotite.
	299.0	Anorthosite. Mainly medium grained brecciated type feldspar 75-90%. Medium grey green chlorite matrix. Low carbonate in part. Medium silica. Small scattered chlorite shears with small white & bluish carbonate stringers, some containing low amounts of pyrite. Low patchy mauve type alteration & low amount of bluish type alteration in small sections of complete type feldspar.
	393.0	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #113

FOOTAGE		DESCRIPTION
393.0		DYKE - GREY QUARTZ DIORITE Light grey in color. Fine grained. Massive. Low to medium carbonate alteration. Medium silica. Much fine grained speckling throughout. Small scattered carbonate filled fractures. Contacts quite sharp, upper in at 35° to C.A., lower broken. Note:- One Anorthositic inclusion between 397.5-398.7
	401.0	
401.0		ANORTHOSITE Medium to coarse grained brecciated type feldspar 80-95%. Low to medium grey green chlorite matrix. Negligible carbonate. Medium silica. Sections of complete type feldspar. Low patchy mauve type alteration product. Low bluish alteration product in complete type feldspar. LOST CORE 427.1-429.0
	452.7	
452.7		DYKE - GREEN DIORITE. Dark green in color. Fine grained. Massive. Medium green chlorite. Low to medium carbonate in chilled phases. Much fine grained speckling throughout, probably feldspar. Small scattered white carbonate filled fractures & veinlets, barren. Contacts sharp & chilled, upper at 65° to C.A., lower at 55° to C.A.
	520.1	
520.1		ANORTHOSITE Mainly medium to coarse grained brecciated type feldspar with small sections of complete type feldspar 75-95%. Low to medium grey green chlorite matrix. Small scattered sheared sections containing black type chlorite & small carbonate rich fractures & veinlets, some containing medium amounts of pyrite, fair foliation approx. 35° to C.A.
	546.0	
546.0		GREEN DIORITE Medium grey green in color. Fine grained. Massive. Medium green chlorite. Medium to high carbonate in contact phases. Much fine grained speckling throughout, probably feldspar. Small scattered irregular carbonate filled fractures & stringers. Contacts sharp & chilled, upper at 40° to C.A., lower in at 60° to C.A. Negligible sulphides occurring mostly in chilled altered contact phases. Note:- Upper & lower contact of dyke in low to medium sheared Anorthosite with medium sized carbonate & quartz veins. Upper containing some pyrite & pyrrhotite lower barren.
	585.4	
585.4		ANORTHOSITE - Zone of Small Shears. Mainly medium grained brecciated type feldspar with sections of almost complete type feldspar 75-95%. Medium grey green chlorite matrix. Negligible carbonate. Medium silica. Low patchy mauve to bluish alteration product. Several small sheared zones between 605.0-624.0 containing medium grey green chlorite & small white carbonate & quartz rich stringers & veinlets, good foliation but variable 20-40° to C.A., Negligible sulphides, mainly pyrite.
	638.7	
638.7		DYKE - GREEN DIORITE Medium grey green in color. Fine grained. Massive. Medium green chlorite. Low carbonate in chilled phases. Small scattered white carbonate filled fractures.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #113

FOOTAGE		DESCRIPTION
		Contacts sharp & chilled in at 40-45° to C.A. Note:- Upper contact of Dyke in Anorthosite low sheared containing small carbonate rich stringers with negligible amount of pyrrhotite.
	655.1	
655.1		ANORTHOSITE Fine grained relic & complete type feldspar 80-95%. Low grey green chlorite matrix. Negligible carbonate. Medium to high silica. Low patchy bluish alteration product mostly in complete type feldspar.
	706.0	As above. Several small sheared & altered sections containing scattered carbonate & quartz rich stringers with low amounts of pyrite, poor to fair foliation, probably 35° to C.A.
	717.3	END OF HOLE

SAMPLES ON NEXT PAGE

DIAMONDDRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #113

A S S A Y R E T U R N S

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.	AG.
	#1486	265.0-270.0	5.0'	TR.		0.180
	#1487	272.5-275.0	2.5'	.05	1.600	0.560
	#1488	275.0-281.0	6.0'		0.350	0.160
	#1489	282.5-286.1	3.6'	TR.	0.400	0.220
	#1490	289.7-292.0	2.3'	TR.	0.150	0.240
	#1491	294.0-297.0	3.0'	TR.	0.250	0.580
	#1492	297.8-302.8	5.0'	TR.	0.150	0.100
	#1493	302.8-305.0	2.2'	TR.	0.050	0.260

NOTE:- The above samples are not consecutive due to the following lost core:-

LOST CORE	270.0-272.5	2.5'
" "	281.0-282.5	1.5'
" "	286.1-289.7	3.6'
" "	292.0-294.0	2.0'
" "	297.0-297.8	.8'

NOTE:- Please attach this sheet to your log of Hole #113

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #114 LOCATION 3000NW - 2125SW DATE STARTED July 3rd,1956

DIP 50° LAT. DEP. DATE FINISHED July 9th,1956

BEARING 85° ELEVATION LOGGED BY A.E. Oakley

DEPTH 420.7 Ft. DIP TESTS @ 400.0 Ft. 46°.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand & Gravel.
	25.0	
25.0		ANORTHOSITE Fine grained relic type feldspar 80-85%. Low grey green chlorite matrix. Small scattered carbonate & chlorite filled fractures.
	27.5	
27.5		DYKE - GREY DIORITE Medium grey in color. Fine grained. Massive. Negligible carbonate. Medium silica. Contacts quite sharp but broken.
	36.4	
36.4		ANORTHOSITE Fine grained relic type feldspar 80-85%. Low grey green chlorite matrix. Negligible carbonate. Medium silica. Low sulphides in part, mainly pyrrhotite occurring in small carbonate rich fractures mainly in contact phases of lower dyke.
	46.3	
46.3		DYKE - GREY TO GREY GREEN DIORITE Light to medium grey in color. Fine grained. Massive. Negligible carbonate. Low silica. Many small irregular white carbonate filled fractures & blebs throughout. Negligible sulphides, mainly pyrrhotite. Contacts quite sharp, upper slightly fused approx. 25° to C.A.
	73.1	
73.1		ANORTHOSITE Mainly fine grained relic to complete type feldspar 80-95%. Low pale green chlorite matrix. Negligible carbonate. Medium to high silica. Many small scattered carbonate & quartz filled fractures. Negligible scattered sulphides, mainly pyrrhotite. LOST CORE 95.8 - 96.5
	116.9	
116.9		DYKE - GREY GREEN DIORITE Light grey to medium grey green in color. Fine grained. Massive. Negligible carbonate. Low silica. Small scattered irregular carbonate filled fractures. Low sulphides, mainly pyrrhotite with some chalcopyrite. Evidence of water leaching. Contacts quite sharp, lower badly broken, upper in at 45° to C.A. LOST CORE 135.0 - 136.2
	136.2	
136.2		ANORTHOSITE Mainly fine grained relic & complete type feldspar 80-95%. Low grey green chlorite matrix, some pale green chlorite in part. Negligible carbonate. Medium to high silica. Small scattered carbonate rich fractures, some containing negligible amounts of sulphides, mainly pyrrhotite.
	162.5	
162.5		DYKE - GREY GREEN DIORITE Medium grey green in color. Fine to medium grained. Light grey in contact phases. Low chlorite. Low to medium

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #114

FOOTAGE		DESCRIPTION
		carbonate. Medium silica. Much medium grained speckling throughout, mainly carbonate with some feldspar. Small scattered white carbonate filled fractures, some containing low amounts of pyrite with some pyrrhotite & chalcopyrite. Contacts quite sharp & chilled but core broken, possibly upper 15° to C.A., lower 30° to C.A.
	193.4	
193.4		ANORTHOSITE Mainly fine to medium grained relic to complete type feldspar with small sections of medium sized brecciated type feldspar laths, 75-90%. Low grey green chlorite matrix. Small scattered carbonate rich fractures. Small scattered white carbonate & quartz stringers & veinlets some containing low amounts of pyrrhotite & chalcopyrite, usually in low sheared material. LOST CORE 201.3 - 204.0
	295.0	As above. Low Shear Zone. In part feldspar occurring as ghost type but no decrease in feldspar content. Low shear throughout, somewhat serpentinized, fair to good foliation but variable, mostly 35° to C.A. but angles from 20-65° to C.A. Small irreg. barren carb.-qtz.strs.
	312.5	As above. Becoming more massive. Mainly fine grained relic to complete type feldspar 80-95%. Small scattered white quartz & carbonate stringers & fractures, mainly barren.
	358.8	As above. Low sheared zone. Mainly fine grained relic type feldspar 70-85%. Low to medium grey green chlorite matrix. Sections of sheared serpentinized material containing black type chlorite, medium to high carbonate alteration in part. Medium to high shear in part, fair to good foliation but variable 20-55° to C.A., with evidence of dragfolding. Little or no sulphides.
	393.5	
393.5		DYKE - FELDSPAR PORPHYRY Light grey in color. Medium grained. Massive. Low to medium carbonate in part. Medium silica. Many medium sized feldspar phenos throughout. Contacts quite sharp & chilled, upper in at 10° to C.A., lower badly broken.
	419.3	
419.3		ANORTHOSITE Fine grained to complete type feldspar 80-95%. Low pale grey green chlorite. Negligible carbonate. Medium to high silica.
	420.7	END OF HOLE

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #115 LOCATION 1150NW - 700SW DATE STARTED July 6th, 1956

DIP 50° LAT. DEP. DATE FINISHED July 18th, 1956

BEARING 220° ELEVATION LOGGED BY A.E. Oakley

DEPTH 128.0 Ft. DIP TESTS No Dip Tests

FOOTAGE	DESCRIPTION
0.0	CASING - Sand, Gravel & Boulders.
128.0	

NOTE:- HOLE ABANDONED AT 128 Feet WHEN RODS BECAME LODGED IN HOLE, AFTER RODS BROKE OFF.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #116 LOCATION 2450NW - 1650SW DATE STARTED July 11th,1956

DIP 75° LAT. DEP. DATE FINISHED July 21st,1956

BEARING 265° ELEVATION LOGGED BY A.E. Oakley

DEPTH 696.9 Ft. DIP TESTS 67.0° at 450 Ft. - 68.0° at 600 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand & Gravel.
	53.0	
53.0		ANORTHOSITE Mainly medium grained brecciated feldspar with small sections of complete type feldspar 70-95%. Low to medium grey green chlorite matrix. Negligible carbonate. Medium silica. Patchy mauve & bluish alteration product. Scattered white quartz veinlets probably flat laying.
	151.0	As above. Becoming somewhat finer grained with increase in feldspar content 85%-95%. Decreasing chlorite content, increasing sections of complete type feldspar. Negligible amounts of pyrite occurring in disseminated form.
	209.0	As above. Becoming much finer grained, relic & brecciated type feldspar 85-95%. Low pale green & grey green chlorite matrix. Low carbonate increasing towards 237.2 Scattered small bluish & white carbonate & quartz stringers, probably flat laying, 75° to C.A.. Negligible amount of pyrite occurring in disseminated form. Low patchy mauve alteration product.
	237.2	
237.2		DYKE - FELDSPAR PORPHYRY Light grey in color. Fine grained. Massive. Medium carbonate in part. Medium silica. Many small white feldspar phenos throughout. Many small white carbonate stringers & fractures, barren. Contacts quite sharp & chilled, upper badly broken, lower distorted.
	252.4	
252.4		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low pale grey green chlorite matrix Small sheared sections of black type chlorite in contact area of above dyke. Low to medium shear in part, fair to good foliation approximately 45° to C.A.. Sections of high carbonate alteration, barren.
	273.0	As above. Fine grained relic to complete type feldspar 80-95%. Massive. Texture somewhat porphyritic. Low pale green chlorite matrix. Negligible carbonate. Medium to high silica. Scattered white & bluish carbonate & quartz stringers & veinlets probably flat laying 75-80° to C.A. Patchy mauve alteration product. Negligible to low sulphides in part, pyrite occurring in small fractures & in disseminated form.
	350.8	Anorthosite. (Low sheared zone.) Low fine grained relic feldspar coalescing & becoming elongated. Medium black type chlorite alteration. Low to medium shear, evidence of dragfolding, low serpentinized, poor foliation. Scattered white carbonate stringers & veinlets. Negligible sulphides, pyrite, pyrrhotite & chalcopyrite.
	354.0	Mainly fine grained relic & complete type feldspar 85-95% Massive. Texture somewhat porphyritic. Low to medium grey green chlorite matrix. Negligible carbonate. Medium to high silica. Small scattered quartz stringers & veinlets probably flat laying, barren, 75-85° to C.A.
	394.0	Mainly fine grained almost complete type feldspar 85-95%. Negligible pale green chlorite matrix in part. Little or no carbonate. Medium to high silica. Small scattered white & bluish quartz stringers probably flat laying with some bluish carbonate associated.
	427.4	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #116

FOOTAGE		DESCRIPTION
427.4		DYKE - GREY QUARTZ DIORITE Medium grey in color. Fine to medium grained. Much white carbonate speckling throughout. Many small bluish quartz eyes throughout. Scattered white carbonate & quartz fractures, barren. Contacts very sharp & chilled, upper at 65°, lower at 75°, probably fairly flat laying.
	430.7	
430.7		ANORTHOSITE Mainly fine grained relic & complete type feldspar 85-95%. Negligible to low pale grey green chlorite m matrix. Negligible carbonate. Medium to high silica. Scattered small white & bluish quartz & carbonate stringers & veinlets, barren, probably flat laying 75° to C.A.
	457.2	Anorthosite. (Low sheared Zone). Fine grained relic feldspar coalescing. Medium black type chlorite alteration. Negligible carbonate. Medium serpentinized. Low shear, poor foliation, probably 25° to C.A.
	465.7	Mainly fine grained relic & complete type feldspar 85-95%. Low pale green chlorite matrix in part. Negligible carbonate. Medium to high silica. Small scattered sheared sections containing black & green type chlorite, serpentinized, fair foliation in part, average approx. 30° to C.A., some at 10° & 50° to C.A., barren.
	546.5	As above. Becoming coarser grained relic & brecciated to complete type feldspar 85-95%. Low to medium grey green chlorite matrix increasing, chlorite matrix becoming quite carbonated in part. Small scattered sheared sections, fair foliation 25-45° to C.A., some containing green chlorite & are serpentinized, some containing black chlorite serpentinized. Sheared sections usually contain small sections of white & bluish quartz & carbonate rich material. Low sulphides, mainly pyrite in disseminated form. Patchy bluish alteration product throughout. LOST CORE 588.3-590.0 " " 625.0-626.5
	648.0	Fine to medium grained relic & brecciated type feldspar 75-85%. Low to medium greyish green chlorite matrix. Low carbonate content increasing. Medium silica. Low patchy bluish grey alteration product. Scattered small carbonate filled fractures throughout cut at approx. 20° to C.A., some containing appreciable amounts of sulphides, mainly fine chalcopyrite with some pyrite. Note:- Almost identical to zone cut in Hole #78. Small stringers of chalcopyrite mineralization cut obliquely to core axis. Zone probably south dipping. LOST CORE 674.0-674.9 " " 692.9-694.9
	696.0	Anorthosite. Sheared & Altered. Fine grained relic type feldspar coalescing. Low green chlorite matrix. Low serpentinized containing carbonate & quartz rich materia mineralized with negligible amount of chalcopyrite & pyrite. Medium sheared approximately 45° to C.A., core badly broken.
	696.9	END OF HOLE

NO SAMPLES

NOTE:- Hole discontinued, machine too small to proceed further. Casing has been left intact for deepening if required.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #117 LOCATION 1150NW - 700SW DATE STARTED July 19th,1956

DIP 55° LAT. DEP. DATE FINISHED July 26th,1956

BEARING 220° ELEVATION LOGGED BY A.E. Oakley

DEPTH 351.0 Ft. DIP TESTS No Dip Tests

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders.
	220.0	
220.0		ANORTHOSITE - Altered & Weathered Mainly fine grained relic type feldspar 70-80%. Negligible pale green chlorite matrix. Many small fractures throughout containing medium black type chlorite. Negligible carbonate, probably weathered out. Medium silica. Low to medium weathered sulphides occurring in small quartz & carbonate stringers, probably pyrite & chalcopyrite. Medium shear, fair to good foliation 45° to C.A. at 229.0'. Note:- Above zone badly weathered with much lost core. LOST CORE 221.8-222.6 " " 228.4-229.3 " " 232.8-233.6 " " 234.5-235.0 " " 235.7-236.4 " " 242.1-242.7 " " 245.2-245.7 " " 247.4-248.1 " " 255.4-256.1 " " 257.7-258.6 " " 259.5-260.7 " " 266.1-268.5 " " 270.5-271.2
	272.5	
272.5		DYKE - (Type Unknown) Medium grey in color. Fine grained. Negligible carbonate Medium silica. Contacts sharp but badly broken.
	276.3	
276.3		ANORTHOSITE - Altered & Weathered Mainly fine grained relic type feldspar 70-80%. Low pale green chlorite matrix. Low ~~mickky~~ black type chlorite occurring in small scattered fractures. Low to medium shear, fair to good foliation in part, 45° to C. A. at 312.5' . Low to medium sulphides very badly weathered occurring mostly with carbonate & quartz rich material, probably pyrite & chalcopyrite. LOST CORE 278.7-279.3 " " 280.3-282.4 " " 285.3-286.1 " " 287.1-287.9 " " 289.0-290.0 " " 291.7-292.3 " " 296.4-297.2 " " 297.6-300.0
	322.3	Anorthosite. Altered but not Weathered. Fine grained relic type feldspar 70-80%. Low pale grey green chlorite matrix. Low dark grey to black type chlorite occurring mostly in small fractures. Medium carbonate decreasing towards 347.0 . Low shear, poor foliation possibly 55° to C.A.. Low to medium sulphides throughout, mainly pyrite with some pyrrhotite & chalcopyrite in evidence occurring in carbonate rich & quartz rich material.
	347.0	Anorthosite. Mainly medium grained relic & brecciated type feldspar 75-90%. Many feldspar laths very well formed but brecciated. Low pale green chlorite matrix. Low carbonate. Medium silica. Little or no sulphides.
	351.0	END OF HOLE

NOTE: HOLE LOST WHEN CORE BARREL BROKE OFF IN HOLE DUE TO UPPER PART OF HOLE CAVING.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	#117A	LOCATION	1150NW - 700SW	DATE STARTED	July 27th, 1956
DIP	55°	LAT.	DEP.	DATE FINISHED	Aug. 1st, 1956
BEARING	220°	ELEVATION &		LOGGED BY	A.E. Oakley
DEPTH	361.4 Ft.	DIP TESTS	No Dip Tests		

FOOTAGE		DESCRIPTION
0.0		NOTE:- THIS HOLE DRILLED THROUGH SAME CASING AS HOLE #117
0.0	220.0	CASING - Sand, Gravel & Boulders.
220.0	280.0	CORE CUT & IS IN HOLE #117
280.0		ANORTHOSITE - Altered & Weathered Mainly fine grained relic type feldspar averaging throughout 70-80%. Low pale green chlorite matrix, some sections to medium. Many small stringers of black type chlorite throughout. Negligible carbonate, probably weathered out. Some white mica in evidence. Small sections of siliceous material containing weathered sulphides, type unknown, probably pyrite & chalcopyrite. Low to medium shear, fair foliation throughout, 45° to C.A. at 307.5' Note:- Above material very badly weathered & much lost core. LOST CORE 286.0-297.5 " " 319.5-325.0
	325.0	Anorthosite. Altered. Fine grained relic type feldspar 70-85%. Low pale grey green chlorite matrix. Small scattered irregular stringers of black chlorite. Medium carbonate. Medium silica. Some white mica in evidence. Low sulphides scattered throughout, mainly fine disseminated cubic pyrite & fine pyrrhotite & chalcopyrite. Low shear, poor foliation variable, 50° to C.A. at 348.5' Note:- Above core not weathered but still quite soft. Core quite small in places due to bit vibration.
	349.0	Anorthosite. Mainly medium grained relic & brecciated type feldspar, many feldspar laths very well formed but brecciated, 75-90%. Low pale grey green chlorite matrix. Low carbonate. Medium silica. Little or no sulphides.
	361.4	END OF HOLE

NOTE:- HOLE LOST FROM CAVING OF UPPER PART OF HOLE, CORE BARREL & SEVERAL LENGTHS OF RODS BROKE OFF IN HOLE.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #118 LOCATION 3080NW - 1990SW DATE STARTED July 24th,1956

DIP 55° LAT. DEP. DATE FINISHED Aug. 2nd, 1956

BEARING 88° ELEVATION LOGGED BY A.E. Oakley

DEPTH 731.0 Ft. DIP TESTS 52.5° at 300 Ft. - 48.0° at 600 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand & Gravel
	42.0	
42.0		ANORTHOSITE - Altered. Mainly fine grained relic to complete type feldspar 85-95%. Low to medium black type chlorite matrix. Negligible carbonate. Medium to high silica. Patchy mauve & bluish alteration product with some negligible to low associated sulphide, pyrrhotite, pyrite & some chalcopyrite. Fracturing or low foliation approximately 30° to C.A.. Small scattered white quartz stringers, barren, probably flat laying.
	75.5	As above. Feldspar content 85-95%. Increase in black chlorite to medium in sections. Low to medium carbonate in part. Medium to high silica. Sections of low to medium shear, fair foliation 20-30° to C.A.. Small scattered white & bluish quartz stringers, barren, probably flat laying.
	100.5	As above. Becoming slightly lighter in color, more massive & more uniform. Low to medium black type chlorite decreasing towards 207.5 , pale grey green chlorite increasing towards 207.5 . Patchy bluish & brown alteration product with some associated sulphide, pyrrhotite, pyrite & chalcopyrite occurring along small fractures & in disseminated form. Low to medium fracturing throughout containing medium amounts of black chlorite & carbonate rich material.
	207.5	Anorthosite. Mainly fine grained relic & brecciated to complete type feldspar 85-95%. Texture somewhat porphyritic in part. Low pale grey green chlorite matrix Negligible black type chlorite in part. Some patchy bluish alteration product occurring mostly in complete type feldspar. Small scattered white quartz stringers, barren, at approximately 35° to C.A.
	223.0	Anorthosite. Low serpentinized & Altered Contact Zone. Fine to medium grained relic & brecciated type feldspar 30-85%. Mainly pale green grey chlorite matrix, some black type chlorite in part. Low to medium carbonate. Low to medium silica. Low to medium shear between 223.0-227.8, medium serpentinized, medium carbonate, medium black type chlorite, poor foliation variable 20-35° to C.A.. Low sulphides occurring in carbonate rich material between 226.8-227.7 pyrrhotite, pyrite & some chalco.
	246.8	As above. Altered & Sheared Contact Zone. Fine grained relic feldspar in part 5-8%. Medium to high black type chlorite. Medium to high carbonate. Many small scattered white carbonate filled fractures containing low to mediu of pyrite, pyrrhotite & chalcopyrite. Medium fracturing to low shear, poor foliation, much evidence of drag-folding 10-40° to C.A.
	251.7	
251.7		DYKE - GREY QUARTZ DIORITE Medium to dark grey in color. Fine grained. Medium fractured. Many scattered white carbonate & quartz rich stringers & fractures, some containing negligible amount of pyrrhotite & chalcopyrite. Contacts very sharp & chilled, upper at 25° to C.A., lower broken but possibly at 30° to C.A.
	272.1	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #118

FOOTAGE	DESCRIPTION
272.1	ANORTHOSITE Mainly fine to medium grained relic & brecciated type feldspar 70-85%. Low to medium grey green chlorite matrix, sections of medium to high black ~~kkark~~ type chlorite occurring mainly in sheared & fractured sections. Medium carbonate decreasing. Patchy mauve alteration product. Low to medium shear in contact of above dyke, fair to good foliation approximately 60° to C.A.. Many small white carbonate stringers, barren.
288.5	As above. Fine to medium to coarse relic & brecciated to complete type feldspar 75-95%. Mainly medium grey green chlorite matrix. Patchy grey green chlorite completely altered to mauve type alteration product, particularly in coarse grained material. Negligible carbonate. Medium silica. Becoming quite massive & very coarse grained from 338.0 on to 350.1
350.1	As above. Fine grained relic type feldspar 75-85%. Low pale grey green chlorite matrix. Negligible carbonate. Medium silica. One small black chlorite shear, good foliation 25° to C.A.
360.9	Anorthosite. Sheared, Mineralized, Serpentinized Zone. Fine grained relic feldspar 10%. Medium dark grey green chlorite alteration. Low carbonate in part. Medium serpentinized. Centre of shear contains a quartz carbonate veinlet well mineralized with pyrite, Medium shear, fair to good foliation approximately 50° to C.A.
363.5	As above. Mainly fine to medium grained relic & brecciated to complete type feldspar with small sections of medium to coarse grained brecciated feldspar 75-95%. Low to medium pale grey green chlorite matrix. Negligible carbonate except in small black chlorite shears containing small white carbonate stringers, barren. Low patchy mauve & bluish alteration product mainly in complete type feldspar alteration. Mauve type alteration product increasing towards 431.6
431.6	
431.6	DYKE - GREY GREEN DIORITE Medium grey green in color. Fine to medium grained. Fairly massive. Low fractured. Much fine grained speckling, scattered white feldspar phenos. Low green chlorite. Low carbonate. Medium silica. Contacts very sharp & chilled, quite fine grained, upper 40° to C.A., lower 25° to C.A.. Many scattered white carbonate stringers throughout, barren.
461.5	
461.5	ANORTHOSITE Mainly fine to medium grained relic & brecciated type feldspar, scattered sections of complete type feldspar, 80-95%. Low to medium pale green & grey green chlorite matrix. Negligible carbonate. Medium silica in part. Chlorite matrix somewhat serpentinized in part, almost talcose in sections of low shear. Noticeable amounts of white mica throughout. Several scattered sheared sections, fair foliation 35-45° to C.A., one section at 517.0 cut obliquely to normal dip at approx. 15° to C.A. Negligible sulphides, mainly pyrite in disseminated form Scattered white quartz veinlets cut at various angles to C.A.
545.0	Anorthosite. Mainly medium grained brecciated type feldspar 75-85%. Medium pale green & medium altered grey green chlorite matrix. Patchy mauve type alteration product occurring with & in grey green chlorite matrix. Less serpentinized. Little or no white mica present. Becoming more massive & undisturbed. Scattered white quartz veinlets, barren, cut at approx. 45° to C.A.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #118

FOOTAGE	DESCRIPTION
600.2	Anorthosite. Mineralized, Sheared & Altered. Feldspar content decreasing, relic & ghost type in part. Dark grey to black type chlorite increasing, Medium to high carbonate in first 15 feet, decreasing rapidly, medium to high dark grey to black type chlorite increasing. Much fine white mica throughout. Medium to high sulphides, massive in part, mainly pyrrhotite, associated pyrite & chalcopyrite. Low shear but quite talcose, poor foliation various degrees to C.A., evidence of drag-folding 40-15° to C.A.
629.5	As above. Fine grained relic type feldspar increasing & decreasing in sheared sections. Pale grey green chlorite in medium grained feldspar sections, black & dark grey chlorite in sheared sections with much white mica in evidence. Sections of fair to massive sulphide usually in carbonate rich material in sheared sections, pyrrhotite, pyrite & some chalcopyrite. One .5" inch stringer between 662.0-665.0 shows slight dragfolding & follows along core, mainly pyrite with some chalcopyrite 2 mineralized carbonate veinlets between 272.0-274.3 are cut at approx. 35° to C.A. containing mainly pyrite with some chalcopyrite.
684.1	Anorthosite. Fine grained relic feldspar in part, fairly long sections of complete type feldspar 80-95%. Negligible to low pale green chlorite matrix mostly in relic type feldspar sections. Low carbonate. Medium to high silica in part. Low sheared sections low serpentinized, fair foliation approx. 45° to C.A.. Low patchy bluish alteration product usually in complete type feldspar. Small scattered carbonate & white quartz stringers, barren. Negligible sulphide.
731.0	END OF HOLE

A S S A Y R E T U R N S

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTHB	Au.	Cu.
	#1469	246.8-251.8	5.0'	.01	0.100
	#1470	361.3-362.5	1.2'	.01	—
	#1471	605.0-610.0	5.0'	.02	0.400
	#1472	610.0-615.0	5.0'	.01	0.300
	#1473	615.0-620.0	5.0'	.01	0.250
	#1474	620.0-625.0	5.0'	.01	0.150
	#1475	625.0-627.5	2.5'	.01	0.300
	#1476	627.5-632.5	5.0'	.01	0.200
	#1477	632.5-636.0	3.5'	.01	0.150
	#1478	636.0-638.0	2.0'	.01	0.300
	#1479	638.0-641.5	3.5'	.01	0.100
	#1480	641.5-642.5	1.0'	.01	0.850
	#1481	642.5-644.0	1.5'	.01	—
	#1482	644.0-646.0	2.0'	.01	0.350
	#1483	646.0-651.0	5.0'	.01	0.100
	#1484	651.0-653.0	2.0'	.01	0.150
	#1485	660.5-665.0	4.5'	.01	—

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #119 LOCATION 1055NW - 1385SW DATE STARTED Aug. 3rd,1956

DIP 50° LAT. _____ DEP. _____ DATE FINISHED Aug. 15th,1956

BEARING 70° ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 929.5 ~~9538~~ Ft. DIP TESTS 52° at 250 Ft. - 49° at 560 Ft.

Hole Deepened November 1956

FOOTAGE		DESCRIPTION
0.0		CASING
	62.1	
62.1		DYKE - FELDSPAR PORPHYRY Light grey green in color. Fine grained. Low chlorite. Negligible carbonate. Many small white feldspar phenos. Several fair sized bluish quartz eyes. Lower contact sharp but broken.
	62.7	
62.7		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low pale green & grey green chlorite matrix. Negligible carbonate. Medium silica. Scattered mauve & brownish & bluish alteration product throughout. Small scattered white quartz & bluish carbonate stringers & fractures. Negligible sulphides, disseminated pyrite. Low evidence of shear in part, fair foliation approximately 45° to C.A.
	121.8	
121.8		DYKE - GREY QUARTZ DIORITE Medium grey in color. Very fine grained. Massive. Medium carbonate. Medium silica. Much fine grained speckling, probably quartz & feldspar. Small scattered quartz & carbonate fractures. Contacts very sharp & chilled, upper approx. 45° to C.A., lower badly distorted 10° to C.A.
	129.0	
129.0		ANORTHOSITE Fine grained relic & brecciated to complete type feldspar. Low pale grey green chlorite matrix. Some black type chlorite occurring in small fractures. Low carbonate in creasing to medium carbonate towards 149.0' Becoming talcose towards 149.0' . Noticeable amounts of white mica appearing. Low shear in evidence, poor foliation 40° & 60° to C.A.
	146.0	Anorthosite. Sheared & Altered Zone. Fine & medium grained relic & brecciated type feldspar coalescing 80-20%. Low pale green chlorite coalescing & low to medium black type chlorite appearing. Much white mica in evidence. Becoming quite talcose. Medium to high shear, fair to good foliation but variable 35-70° to C.A., some local evidence of dragfolding. Medium to high carbonate. Scattered white grey quartz & carbonate stringers & veins, barren. Little or no sulphides.
		LOST CORE 172.6 - 175.0
	179.5	Fine grained relic type feldspar mainly 5-10%, sections up to 60%. Medium black type chlorite alteration. Medium carbonate throughout. Many small white carbonate & quartz stringers & fractures, barren. Negligible talcose Less white mica in evidence. Negligible sulphides, fine disseminated pyrite. Medium shear, more uniform than above 50-60° to C.A. between 180.0-190.0'
	193.0	Mainly fine grained relic & carbonated feldspar 60-70%. Low to medium pale grey green chlorite in part. Low to medium dark grey to black type chlorite in part. Appreciable amounts of white mica in evidence. Medium carbonated throughout. Scattered white carbonate & quartz stringers & veinlets, barren. Medium shear, fair foliation in part but variable, 30-40° to C.A. between 205.0-221.0 . negligible sulphides, disseminated pyrite.
	221.5	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #119

FOOTAGE		DESCRIPTION
221.5		DYKE - ALTERED (Type Unknown) Yellowish grey in color. Fine grained. Medium carbonate. Low silica. Many small irregular bluish blebs throughout which are very soft but are not carbonated. Both contacts very sharp & cut at a contrary angle to shear, upper at 40° to C.A., lower at 35° to C.A.. Scattered white carbonate & quartz stringers, fractures & veinlets, barren Note:- One Anorthositic inclusion between 224.3-225.9
	227.0	
227.0		ANORTHOSITE - Altered & Sheared Fine grained relic & carbonated type feldspar 5-15%. Medium to high black type chlorite alteration. Medium to high carbonate throughout. Many white & grey quartz & carbonate veins, mainly barren. Medium to high shear, fair & good foliation, 35-40° to C.A. between 225.0-250.0 Note:- 234.3-236.0 much very soft muddy gouge material, probably fault. Highly talcose, higly carbonated. Several quartz veins in above seem to be cut at a contrary angle to shear. Low sulphides in contact area, disseminated pyrite.
	256.0	As above. Altered & Sheared. Fine grained relic & carbonated type feldspar 40-70%. Low altered & carbonated green type chlorite. Medium to high black type chlorite alteration. Medium to high carbonate throughout. Many small white carbonate & quartz stringers, fractures & veinlets, barren, Medium shear, fair to good foliation consistent at 40° to C.A. between 250.0-275.0. Negligible sulphides, some disseminated cubic pyrite.
	279.0	
279.0		DYKE - ALTERED GREY DIORITE Light grey in color. Fine grained. Medium carbonate alteration. Medium silica. Contacts very sharp at 35° to C.A.
	280.3	
280.3		ANORTHOSITE - Altered & Sheared. Fine to medium grained relic & brecciated carbonated type feldspar 60-80%. Low carbonated green type feldspar matrix. Medium black type chlorite alteration. Much fine white mica throughout. Medium to high carbonate alteration. Low to medium shear, poor foliation, talcose. Small scattered white carbonate & quartz stringers & fractures, barren. Black type chlorite alteration decreasing towards 312.0
	312.0	
312.0		DYKE - ALTERED GREY DIORITE Light grey in color. Fine grained. Medium carbonate alteration. Medium silica. Contacts quite sharp & chilled at 45° to C.A.. Low sulphides, mainly fine cubic pyrite.
	313.5	
313.5		ANORTHOSITE Fine grained relic type feldspar 70-80%. Low pale green chlorite matrix, small scattered sections of low black type chlorite. Medium carbonate decreasing. Much white mica in evidence. Low talcose decreasing. Low shear in part, poor to fair foliation 40-50° between 326.0-337.0 A few scattered white carbonate & quartz stringers, some containing low sulphides, mainly cubic pyrite.
	365.0	
365.0		DYKE - GREY QUARTZ DIORITE Medium dark grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Much fine speckling throughout, probably quartz. Contacts very fine grained & chilled, in both evidence of brecciation & folding, upper & lower in at approx. 35 to C.A.
	372.6	(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #119

FOOTAGE		DESCRIPTION
372.6		ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 75-85%. Low pale grey green chlorite matrix. Low carbonate increasing towards 396.5 . Low to medium silica decreasing towards 396.5 . Small sheared sections of black type chlorite alteration containing white carbonate stringers, barren, fair foliation but fariable 35° and 80° to C.A.
	396.5	Anorthosite. Altered & Sheared. Fine grained relic type feldspar 60-70%. Law pale green chlorite matrix. Medium to low black type chlorite in part. Medium to high carbonate. Low silica. Low to medium talcose. Small scattered white carbonate stringers & fractures, barren. Low shear, poor foliation except for small sections, possibly 45° to C.A.
	427.4	
427.4		DYKE - Altered Grey Diorite Light grey in color. Fine grained. Medium to high carbonate alteration. Several white carbonate filled fractures. Contacts quite sharp in at approx. 30° to C.A.
	429.7	
429.7		ANORTHOSITE - Altered & Sheared Mainly fine grained relic type feldspar 70-80%. Low pale grey green chlorite matrix, sections of dark grey to black type chlorite alteration. Medium to high carbonate. content throughout. Low to medium talcose. Much fine white mica in evidence. Mainly low shear, poor foliation variou angles to C.A., most persistent angle 30-40° to C.A. Evidence of dragfolding between 497.0-501.0
	501.0	As above. Becoming lighter in color, coarser grained. Fine to medium relic & brecciated type feldspar 75-85%. Medium carbonate decreasing slightly.
	507.3	
507.3		DYKE - GREY QUARTZ DIORITE Medium dark grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Contacts sharp & chilled in at 30° to C.A.. Negligible sulphides, cubic pyrite.
	509.2	
509.2		ANORTHOSITE Fine & medium grained relic & brecciated type feldspar 75-85%. Low pale grey green chlorite matrix. Small sheared sections containing low to medium dark grey to black type chlorite. Low carbonate decreasing. Small white carbonate rich stringers in black chlorite shears, barren. Low to medium shear in small sections, fair to good foliation, 40° to C.A. at 548.0' LOST CORE 552.7 - 553.0
	563.8	~~END OF HOLE~~

~~NO SAMPLES~~

NOTE: This hole was deepened to 929.5 ft in November 1956

See next page.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 119

NOTE:- THIS HOLE WAS DEEPENED FROM 563.8 Feet to a DEPTH OF 929.5 Feet.

FOOTAGE		DESCRIPTION
563.8		ANORTHOSITE - Sheared in Part. Fine to medium grained relic & brecciated type feldspar 75-80%. Low pale grey green chlorite matrix. Medium to high carbonate in part. Medium silica in part. Many well sheared sections containing black type chlorite with carbonate & quartz rich fractures & small veinlets, fair to good foliation approx. 40° to C.A. Fair amount of sericite in evidence. Minor amounts of sulphides, mainly cubic type pyrite with some fine pyrrhotite & chalcopyrite.
		LOST CORE 607.4 - 608.7
	638.9	Anorthosite. Sheared & Altered Zone. Mainly fine grained relic & ghost type feldspar 40-70%. Low pale grey green chlorite matrix with sections containing black type chlorite. Medium carbonate increasing. Low silica. Sericitic throughout. Scattered white carbonate & quartz stringers & fractures. Low shear, poor to fair foliation at 30° to C.A.. Minor sulphides in part, mainly cubic type pyrite.
	663.5	
663.5		DYKE - Grey Diorite Type Medium grey in color. Fine grained. Medium carbonate. Medium silica. Small scattered carbonate & quartz filled fractures. Low sulphides, mainly cubic type pyrite (coarse). Contacts sharp but core badly broken.
	669.6	
669.6		ANORTHOSITE - Sheared & Altered Zone Mainly fine grained relic & ghost type feldspar 50-60%. Low pale grey green chlorite matrix withssome black type chlorite. Medium carbonate. Low silica. Low sericitic. Small scattered carbonate filled fractures. Low shear, poor to fair foliation approx. 35° to C.A.
	703.5	Anorthosite. Fine grained relic type feldspar 70-80%. Low pale grey green chlorite. Medium carbonate. Medium silica. Fairly massive, eventextured. Not sericitic or sheared.
		LOST CORE 680.9 - 681.5 " " 697.0 - 698.9
	711.6	
711.6		DYKE - Grey Diorite Type Medium to dark grey in color. Fine grained. Medium carbonate. Medium silica. Many small carbonate & quartz filled fractures. Negligible sulphides, cubic pyrite. Contacts sharp but brecciated.
	716.0	
716.0		ANORTHOSITE - Sheared & Altered Fine grained relic type feldspar 20-30%. Medium black type chlorite decreasing rapidly towards 729.0' . Medium to high carbonate decreasing towards 729.0' . Low silica increasing towards 729.0' . Low shear or fracturing, poor foliation. Minor sulphides in part, cubic type pyrite.
	729.0	Anorthosite. Fine grained relic type feldspar 70-85%. Low pale grey green chlorite matrix. Low carbonate. Medium silica. Medium black type chlorite occurring in medium sheared sections containing low sulphides mainly coarse cubic type pyrite. One small grey diorite dyke between 730.8-731.8.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 119

FOOTAGE		DESCRIPTION
	764.8	Anorthosite. Sheared & Altered. (Quartz Vein) Fine grained relic & ghost type feldspar in part 40-60%. Low pale grey green chlorite. Medium to high black type chlorite in part. Low to high carbonate. Low type shear, some foliation at 35° to C.A. Note:- Mineralized Quartz Vein between 766.0-771.5 contains medium sulphides, mainly pyrite with low amounts of chalcopyrite. Several small black chlorite inclusions. Some white mica in evidence.
	778.1	
778.1		DYKE - Grey Diorite Type Light to medium grey in color. Fine grained. Medium carbonate. Medium silica. Several small anorthosite inclusions. Contacts sharp, upper broken, lower at 40° to C.A.
	791.7	
791.7		ANORTHOSITE Fine grained relic type feldspar 75-85%. Low pale grey green chlorite. Negligible carbonate. Medium silica. Fairly massive, eventextured. Note:- White quartz vein between 794.5 - 795.5 containing medium sulphides, mainly coarse cubic pyrite.
	804.7	
804.7		DYKE - Grey Diorite Type Light to medium grey in color. Fine grained. Low carbonate except in contact phases. Small scattered carbonate filled fractures. Minor sulphides, pyrite. Contacts sharp, upper broken, lower at 35° to C.A.
	813.5	
813.5		ANORTHOSITE - Sheared & Altered in Part Fine to medium grained relic & ghost type feldspar 60-85%. Low pale grey green chlorite matrix. Medium to high carbonate except for first few feet of section. Medium black type chlorite occurring in sheared material. Some white mica in evidence. Several small to medium sized white quartz & carbonate veinlets with minor pyrrhotite & chalcopyrite, some coarse cubic pyrite. Medium shear between 829.0-832.0 with good foliation at 45° to C.A.. Probable chloritoid schist between 830.0-831.0' . Shear & alteration decreasing towards 842.5 .
		LOST CORE 823.5 - 826.1
	852.5	Anorthosite. Relatively unaltered. Fine to medium grained relic & brecciated type feldspar 75-85% with small sections of complete type feldspar 85-95%. Low to medium grey green chlorite matrix. Low carbonate decreasing. Texture quite uniform. Small scattered white carbonate filled fractures. Patchy mauve type alteration in part.
		LOST CORE 884.3 - 885.9
	929.5	END OF HOLE

ASSAY RETURNS

Lab. No.	Sample No.	Footage	Width	Au.	Cu.
PP529	1536	766.0-771.5	5.5'	TR.	0.100

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #120 LOCATION 4400NW - 1750SW DATE STARTED Aug. 9th,1956

DIP 55° LAT. _____ DEP. _____ DATE FINISHED Aug. 10th,1956

BEARING 215° ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 87.0 Ft. DIP TESTS No Dip Tests

FOOTAGE	DESCRIPTION
0.0	CASING - Sand, Gravel & Boulders.
87.0.	

NOTE:- HOLE WAS DISCONTINUED WHEN STANDPIPE BROKE CAUSING RODS, BIT ETC. TO BE LOST IN HOLE.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #120A LOCATION 4400NW - 1755SW DATE STARTED Aug. 10th,1956

DIP 55° LAT. DEP. DATE FINISHED Aug. 12th,1956

BEARING 215° ELEVATION LOGGED BY A.F. Oakley

DEPTH 30.0 Ft. DIP TESTS No Dip Tests

FOOTAGE		DESCRIPTION
0.0	30.0	CASING - Sand, Gravel & Boulders.

NOTE:- HOLE DISCONTINUED DUE TO TOO MANY LARGE BOULDERS IN OVERBURDEN.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #121 LOCATION 4400NW - 2175SW DATE STARTED Aug. 13th, 1956

DIP 50° LAT. _____ DEP. _____ DATE FINISHED Aug. 24th, 1956

BEARING 35° ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 654 Ft. DIP TESTS 46.5° at 300 Ft. - 44.0° at 600 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders.
	55.0	
55.0		ANORTHOSITE Mainly fine grained relic type feldspar 75-85% with small scattered patches of almost complete type feldspar Low pale green chlorite matrix, low to medium sections of black type chlorite throughout. Negligible to low carbonate. Low patchy salmon to mauve colored alteration product. Low shear & fracturing, fair to poor foliation, fairly consistent throughout at 40° to C.A.
	233.1	
233.1		DYKE - GREY GREEN DIORITE Medium grey green in color. Fine grained. Massive. Low green chlorite. Low carbonate. Medium silica. Small scattered white carbonate stringers. Contacts quite sharp but broken.
	238.0	
238.0		ANORTHOSITE Mainly fine grained relic type feldspar 75-85%. Low grey green chlorite matrix. Negligible carbonate. Medium silica. Fairly massive with low fracturing. Small sections of low shear between 254.0-256.5 in at 60° to C.A. containing small white carbonate & quartz stringers barren.
	256.5	
256.5		DYKE - GREY DIORITE Medium grey in color. Fine grained. Massive. Low carbonate. Medium silica. Small scattered carbonate stringers, some containing minor amount of pyrrhotite. Contacts quite sharp, upper in at 80° to C.A., lower badly broken.
	261.3	
261.3		ANORTHOSITE Mainly fine grained relic type feldspar 80-90%. Low pale green grey chlorite matrix, small scattered sections containing low dark grey to black type chlorite Negligible carbonate. Small scattered sheared or fractured sections containing white & bluish carbonate & quartz stringers, some mineralized with minor amount of pyrite, pyrrhotite & chalcopyrite. Small shears, fair to good foliation 40-45° to C.A.. Low patchy mauve & bluish alteration product. Becoming somewhat coarser grained towards 319.3
	319.3	
319.3		DYKE - GREY DIORITE Medium grey in color. Medium to coarse grained porphyritic texture. Much fine grained white brecciated type feldspar throughout up to 50%. Much dark mottling throughout, probably altered feldspar. Some bluish quartz in evidence. Medium carbonate in part. Minor sulphides, pyrrhotite & chalcopyrite in disseminated form. Several small Anorthosite inclusions. Contacts sharp, upper in at 50° to C.A., lower fused.
	364.0	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #121

FOOTAGE		DESCRIPTION
264.0		DYKE - GREY GREEN DIORITE Medium grey green in color. Fine grained. Massive. Low green chlorite. Negligible carbonate. Medium silica. Fairly uniform texture throughout. Many small yellowish carbonate fractures, barren. Minor sulphides, mainly fine disseminated pyrite. Contacts quite sharp, upper fused, lower at approx. 40° to C.A.
	378.5	
378.5		ANORTHOSITE Fine to medium grained relic type feldspar 75-90%. Low pale grey green chlorite matrix. Medium to high silica. Low patchy bluish alteration product.
	393.9	Altered & Mineralized Zone. Fine grained relic type feldspar coalescing. Low to medium grey green chlorite increasing towards 401.5 with low amount of black chlorite. Negligible carbonate. Low shear, medium fracturing, at approx. 45° to C.A.. Minor sulphides, pyrrhotite occurring in small white carbonate & quartz stringers in at approx. 45° to C.A.. Minor yellowish alteration product at 401.3' probably leucoxene.
	401.3	Carbonate & Quartz Mineralized. Fine grained relic feldspar. Medium to high black type chlorite. Medium to high carbonate. Many small carbonate & quartz stringers. Medium shear, good foliation at 40° & 50° to C.A.. Medium sulphides, mainly pyrite with some pyrrhotite & chalcopyrite.
	407.3	Altered & Sheared, Mineralized. Fine grained relic feldspar emerging. Low green chlorite. Medium to high black type chlorite. Medium carbonate. Medium shear, good to fair foliation 40° to C.A.. High mauve alteration product between 409.6-410.8 containing medium fine sulphides, pyrite & chalcopyrite.
	417.5	Anorthosite. Altered & Low Sheared. Fine to medium relic type feldspar 70-85%. Low to medium grey green chlorite matrix. Low carbonate in part. Medium patchy mauve alteration product with minor amount of pyrrhotite. Low shear or fracturing, poor foliation.
	431.0	Anorthosite. Mainly fine grained relic with sections of complete type feldspar 70-95%. Low to medium green type chlorite matrix. Negligible carbonate. Medium silica. Patchy mauve type alteration product. Low shear in evidence 50° & 40° to C.A.. Small scattered white quartz stringers, barren, probably flat laying.
	449.3	
449.3		Dyke - GREY DIORITE Light grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Contacts very sharp in at 70° to C.A.
	450.6	
450.6		ANORTHOSITE Fine to medium grained relic type feldspar with sections of brecciated feldspar 75-90%. Low to medium grey green chlorite matrix. Quite massive, uniform, very little evidence of shearing. Patchy mauve & bluish alteration in part. Minor sulphides between 484.0-484.5 in contact of dyke, chalcopyrite & pyrrhotite occurring in low shear & carbonate material.
	484.5	
484.5		DYKE - GREY DIORITE Medium yellowish grey in color. Fine grained. Massive. Medium to high carbonate. Medium silica. Contacts very sharp in at 80° to C.A.
	490.1	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #121

FOOTAGE		DESCRIPTION
490.1		ANORTHOSITE Fine to medium grained relic & complete type feldspar 75-90%. Mainly low grey green chlorite matrix. Negligible carbonate. Medium silica.;Quite massive, fairly even texture.
	498.0	
498.0		DYKE - ALTERED DIORITE Medium grey green chlorite. Medium carbonate alteration. Low serpentirized. Contains medium fine grained sulphides mainly pyrrhotite with minor amount of chalcopyrite. Upper contact fused but sharp possibly 40° to C.A., lower quite sharp in at 60° to C.A.
	501.1	
501.1		ANORTHOSITE Fine to medium grained relic & complete type feldspar 75-95%. Low grey green chlorite matrix. Low black type chlorite in part occurring along small feactures. Negligible carbonate. Medium to high silica. Note:- Small grey diorite dyke between 504.9-506.4 , contacts very sharp, upper at 65° to C.A., lower at 85° to C.A.
	518.7	
518.7		DYKE - GREEN DIORITE Medium grey green in color. Fine grained. Massive. Low green chlorite. Medium carbonate in chilled phases only. Much fine grained speckling throughout, mainly feldspar. Contacts very sharp & chilled, upper broken in at 45° to C.A., lower slightly fused at 40° to C.A.
	536.6	
536.6		ANORTHOSITE - Sheared in Part. Fine to medium grained relic & brecciated to complete type felaspar 75-95%. Low grey green chlorite matrix in part. Medium to high black type chlorite in sheared sections. Medium shear in part, good foliation 45-50° to C.A., fairly consistent throughout. Sheared sections contain many small white carbonate & quartz stringers with low amount of pyrrhotite & some chalcopyrite. Medium amounts of mauve type alteration product usually finely mineralized with pyrite.
	590.0	As above. Slightly less green chlorite matrix decreasing towards 654.0' , increasing amounts of grey to black type chlorite occurring along many small fractures throughout. Increasing carbonate content towards end of hole. Minor sulphides usually in medium to high black chlorite shears pyrrhotite & chalcopyrite.
	654.0	END OF HOLE.

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Ag.	Cu.
	#1496	396.3-401.3	5.0'		0.100	
	#1497	401.3-404.3	3.0'		0.200	0.100
	#1498	404.3-407.3	3.0'		0.250	0.050
	#1499	407.3-409.5	2.2'		0.100	
	#1500	409.5-410.8	1.3'	.01	0.250	0.400
	#1501	410.8-415.5	4.7'		0.190	
	#1502	415.5-417.5	2.0'		0.400	0.050

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #122 LOCATION 2000NW - 1150SW DATE STARTED August 17th,1956

DIP 50° LAT. _____ DEP. _____ DATE FINISHED August 30th,1956

BEARING 215° ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 199.0 Ft. DIP TESTS No Dip Tests

FOOTAGE		DESCRIPTION
0.0	129.0	CASING - Sand, Gravel & Boulders.

Note:- Above hole was abandoned at 199 feet due to heavy overburden & too many large boulders.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #123 LOCATION 4700NW - 2150SW DATE STARTED Aug. 26th,1956

DIP 50° LAT. _____ DEP. _____ DATE FINISHED Sept. 1st,1956

BEARING 35° ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 400.0 Ft. DIP TESTS 43.0° at 400 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders.
	55.0	
55.0		ANORTHOSITE Mainly fine grained relic to complete type feldspar 75-95%. Low pale green chlorite matrix. Low to medium to high black type chlorite alteration. Negligible carbonate except in small stringers & fractures. Low patchy alteration product, yellow & mauve. Many scattered sheared & altered sections containing medium to high black chlorite at various degrees to C.A., 30-80°.
	127.0	As above with increasing amount of carbonate alteration. Shear or fracturing more consistent in at 50-70° to C.A., mostly at 55° to C.A.
	152.5	
152.5		DYKE - GREY GREEN DIORITE (Altered) Light grey green in color. Low green chlorite. Medium to high carbonate. Medium silica. Low sheared & fractured. Contacts very sharp, upper & lower in at 60° to C.A.
	155.4	
155.4		ANORTHOSITE Mainly fine grained relic & complete type feldspar 85-95%. Negligible to low pale green chlorite. Medium to high black chlorite in sheared & fractured phases containing carbonate & quartz stringers & veinlets, minor sulphides, pyrrhotite & chalcopyrite.
	166.5	
166.5		DYKE - GREY GREEN DIORITE (Altered) Light grey green in color. Very fine grained. Low green chlorite. Medium to high carbonate alteration. Many small carbonated stringers & fractures. One Anorthosite inclusion between 168.8-170.3, Contacts very sharp, upper & lower at 90° to C.A.
	176.8	
176.8		ANORTHOSITE Mainly fine grained relic to complete type feldspar 80-95%, sections of brecciated type feldspar. Mainly low dark green chlorite matrix, sections of medium to high dark grey green chlorite with brecciated feldspar laths. Low black chlorite in part. Medium mauve alteration product in part. Many small dyke sections, grey type. Little or no shearing, fairly uniform texture throughout. Minor sulphides, pyrrhotite & chalcopyrite occurring with mauve alteration product.
	247.5	
247.5		DYKE - GREY DIORITE (Altered) Medium grey in color. Fine grained. Fairly massive. Medium to high carbonate. Medium silica. Much fine grained white speckling throughout. Minor sulphides, pyrrhotite & some chalcopyrite in carbonate rich material, mainly pyrrhotite particularly in dyke contacts. Contacts very sharp, upper at 55° to C.A., lower broken.
	255.5	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #123

FOOTAGE		DESCRIPTION
255.5		ANORTHOSITE Fine grained relic to complete type feldspar 75-80%. Low grey green chlorite. Medium to high carbonate. Medium to high mauve alteration product. Minor sulphides, mainly pyrrhotite with some chalcopyrite in carbonate rich material.
	258.6	
258.6		DYKE - GREY DIORITE (Altered) Medium grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Contacts very sharp, upper at 55°, lower irregular.
	260.5	
260.5		ANORTHOSITE - Altered Fine grained relic & ghost type feldspar 60-70%. Low grey green chlorite. Medium grey carbonate alteration. Low silica. Low shear, poor foliation. Note:- One small grey dyke between 265.5-266.1
	267.4	
267.4		DYKE - GREY DIORITE (Altered & Sheared) Light to medium grey in color. Fine grained. Medium carbonate. Medium silica. Small scattered white carbonate stringers. Low shear or banding, good foliation 50° to C.A.. Minor sulphides in part mainly pyrrhotite in small fractures & carbonate stringers.
	272.6	
272.6		ANORTHOSITE - Altered & Sheared Medium to dark grey to black in color. Fine grained altered relic feldspar with ghost type in part 20-50%. Low to medium grey green chlorite. Low to high black type chlorite in part. Medium shear, poor foliation quite variable 20-55° to C.A.. Spotty yellowish leucoxene alteration product. Many small to medium sized white carbonate stringers & fractures, very irregular pattern. Very minor sulphides, fine pyrrhotitw in carbonate rich material.
	332.5	Altered, Sheared & Mineralized. As above. Low serpentinized in part. Medium shear, fair to good foliation 35-45° to C.A.. Many carbonate & quartz sections, stringers & fractures & veinlets. Medium sulphides in carbonate & quartz material, pyrrhotite, pyrite & chalcopyrite. Note:- Possibly grey dyke remnants in part.
	349.9	Anorthosite. Fine to medium grained relic & brecciated to complete type feldspar 75-95%. Low grey green chlorite matrix. Negligible carbonate. Medium silica. Low patchy bluish alteration product. Quite massive, uniform.
	356.7	
356.7		DYKE - GREY DIORITE Light to medium grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Small white carbonate filled fractures. Contacts very sharp, upper at 80° to C.A., lower approx. 55° to C.A.
	359.3	
359.3		ANORTHOSITE Fine to medium grained relic to complete type feldspar 80-95%. Massive, fairly even texture. Low grey green chlorite matrix. Negligible carbonate. Medium silica. Low patchy bluish & mauve alteration product.
	381.0	
381.0		DYKE - GREY GREEN DIORITE Medium grey to grey green in color. Fine grained, even textured. Low green chlorite. Medium carbonate. Much

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #123

FOOTAGE		DESCRIPTION
	387.5	fine grained speckling. Contacts sharp, core broken.
387.5	396.9	ANORTHOSITE Fine grained relic to complete type feldspar 85-95%. Low green chlorite. Negligible carbonate. Medium silica. Several grey dykes fragments in first 2 feet, same material as above dyke. Minor sulphides, pyrite in carbonate rich material. Some pyrrhotite & chalcopyrite in medium chlorite material at 395.5'
396.9	400.0	DYKE - GREY (DIORITE) Light grey in color. Very fine grained. Medium carbonate. Medium silica. Upper contact very sharp in at 50° to C.A. END OF HOLE.

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	#1504	332.2-336.5	4.3'	.01	0.050
	#1505	336.5-338.4	1.9'	.01	0.050
	#1506	338.4-342.2	3.8'	Tr	—
	#1507	342.2-344.6	2.4'	.03	0.150
	#1508	344.6-349.9	5.3'	Tr	—

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	#124	LOCATION	2000NW - 1500SW	DATE STARTED	Sept. 1st, 1956
DIP	55°	LAT. ______ DEP. ______		DATE FINISHED	Sept. 10th, 1956
BEARING	35°	ELEVATION		LOGGED BY	A.E. Oakley
DEPTH	128.0 Ft.	DIP TESTS	No Dip Tests		

FOOTAGE		DESCRIPTION
0.0	128.0	CASING - Sand, Gravel & Boulders.

NOTE:- Hole was abandomed at 128 feet when hole caved in causing loss of Casing, rods, bits etc.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 124A LOCATION 2000NW - 1600SW DATE STARTED Sept. 10th,1956

DIP 55° LAT. DEP. DATE FINISHED Sept. 22nd,1956

BEARING 35° ELEVATION LOGGED BY A.E. Oakley

DEPTH 334.0 Ft. DIP TESTS No Dip Tests

FOOTAGE		DESCRIPTION
0.0	262.0	CASING - Sand, Gravel & Boulders.
262.0		ANORTHOSITE Fine to coarse grained relic & brecciated type feldspar laths 70-85%. Low grey green chlorite matrix. Negligible carbonate. Medium silica. Core badly broken with much lost core. LOST CORE 264.4 - 265.6 " " 267.4-268.6 " " 270.0 - 270.9 " " 272.0 - 272.8 " " 279.4 - 280.0 " " 282.1 - 282.9 " " 283.8 - 285.0
	290.0	As above. Low sheared & Altered. Becoming finer grained relic type feldspar 70-80% in part. Low carbonate alteration. Low grey green chlorite. Somewhat talcose in part. Low shear suggested, poor foliation. Core badly broken with much lost core. LOST CORE 295.2 - 298.7 " " 303.5 - 306.1
	311.0	As above. Sheared & Altered. Medium grey brownish in color Very fine grained, low relic feldspar discernible in part Medium chlorite. Probably medium to high carbonate which has been leached out by water. Medium talcose in part, particularly towards end of hole. One small white quartz vein between 331.0-332.2 barren. Medium to high shear suggested, foliation approx. 30-35° to C.A.. Core badly broken with much lost core. LOST CORE 312.3 - 314.5 " " 316.2 - 317.3 " " 318.4 - 320.0 " " 321.6 - 323.8 " " 325.0 - 326.1 " " 327.0 - 328.0 " " 328.6 - 331.1
	334.0	END OF HOLE.

NO SAMPLES

NOTE:- Above hole was discontinued when approx. 30 feet of cave was encountered. Hole was cemented but the cementing was not successful.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #125 LOCATION L9E - 900N DATE STARTED Sept. 4th,1956

DIP 80° LAT. DEP. DATE FINISHED Sept. 7th,1956

BEARING ~~S 0° E of Grid~~ 15° ELEVATION LOGGED BY A.E. Oakley

DEPTH 281.0 Ft. DIP TESTS 80.0° at 280 Feet.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand
	10.0	
10.0		GABBRO Dark green in color. Fine grained. Low altered carbonated relic type feldspar 20-30%. Medium to high dark green chlorite matrix. Medium carbonate alteration Medium white to yellowish to brown leucoxene alteration product. Low magnetite content 5%. Low to medium shear, irregular foliation 0-25° to C.A., mostly between 0-10° to C.A.
	26.5	As above. Becoming more massive, less sheared. Medium to high dark green chlorite. Negligible to low carbonate alteration. Relic type feldspar increasing & becoming less altered. Magnetite content increasing 5-25%. Negligible amount of leucoxene. Low sulphides, pyrite. Small scattered carbonate filled fractures. Small scattered chlorite filled fractures, flat laying, cut at 70-80° to C.A.
	82.5	
82.5		GABBRO - (Feldspar rich Transition Type) Medium light green in color. Fine to medium relic & brecciated type feldspar 40-50%. Medium to high dark green chlorite. Negligible carbonate. Many small scattered white & rose colored carbonate stringers & fractures, irregular pattern. Negligible magnetite content 2-4%. Negligible leucoxene alteration product, in part. Negligible sulphides, one massive blob of chalcopyrite at 105.0' LOST CORE 117.0 - 119.0
	122.5	
122.5		GABBRO - Sheared & Altered Dark green in color. Fine grained. Medium dark green chlorite. Medium carbonate alteration. Medium fine grained leucoxene decreasing towards 140.0' . Low magnetite content increasing slightly towards 140.0' Low shear, good foliation in part 30° to C.A.. Small scattered white & rose colored carbonate & siliceous stringers & veinlets.
	140.0	As above. Becoming darker in color, finer grained, more massive, less sheared. Relic type feldspar content 10-20%. Medium carbonate throughout. Medium fine grained magnetite content 10-30%. Low sheared in part, fair foliation,approx. 40° to C.A. at 154.0' . Many smal, scattered white carbonate & quartz stringers & veinlets, some containing low amount of pyrite & chalcopyrite.
	206.5	Carbonate Quartz Magnetite Vein. Medium to high grey quartz & carbonate. High magnetite content, 50-95% in part. Low to medium fine chalcopyrite in part. Disseminated pyrite. Low unidentified grey mineral, probably an arsenide. Contacts very sharp in at 40° to C.A. which conforms to local shear on both walls.
	210.5	Gabbro. Sheared & Altered as above. Dark green in color. Fine grained. Becoming less sheared, more massiv towards 219.5 . Relic type feldspar immerging 20-30%. Low to medium shear, all at 40° to C.A., becoming less intense towards 219.5'. Magnetite content increasing & becoming coarser. Many small carbonate & quartz filled fractures, barren. Carbonate content remains approx. the same as above.
	219.5	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #125

FOOTAGE	DESCRIPTION
219.5	GABBRO - Feldspar Rich Transition Type Medium greyish green in color. Fine to medium grained relic & brecciated type feldspar 30-40%. Medium to high dark green chlorite. Medium carbonate content. Medium silica. Medium magnetite content, fairly coarse grained. Scattered white carbonate & quartz stringers & vainlets, barren. Note:- Between 250.0-275.0' several small dark green fine grained dykes, contacts of which are very irregular, probably fragments.
281.0	END OF HOLE

A S S A Y R E S U L T S

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.	Zn.	Co.
	#1509	147.5-150.0	2.5'	Tr			
	#1510	150.0-152.5	2.5'	Tr			
	#1511	152.5-155.0	2.5'	Tr			
	#1512	155.0-157.5	2.5'	Tr			
	#1513	205.5-206.5	1.0'	Tr			
	#1514	206.5-208.0	1.5'	Tr	0.100	0.100	0.094
	#1515	208.0-210.0	2.0'	Tr	0.050	0.200	0.050

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #126 LOCATION Line 8E @ 1150N DATE STARTED Sept. 8th/56

DIP 55° LAT. _____ DEP. _____ DATE FINISHED Sept.11th/56

BEARING North on Line ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 275.0 Ft. DIP TESTS 50.0° at 275 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand.
	8.0	
8.0		GABBRO Dark grey green in color. Fine grained. Low relic carbonated feldspar. Medium green chlorite matrix. Medium carbonate. Low to medium white to light mauve & yellow orange leucoxene alteration product. Scattered white carbonate & quartz stringers, fractures & veinlets, mostly barren. Low shear, fair foliation in part 40-45° to C.A.
	70.5	As above. Probable Fault Zone. Becoming more sheared & somewhat brecciated. Medium magnetite in part occurring in bands which are graphitic. Good foliation but core badly broken, approx. 30-45° to C.A.
	73.4	
73.4		DYKE - Dark Green Diorite Dark green in color. Fine grained. Fairly massive. Medium green chlorite. Low carbonate. Low silica. Many small white carbonate filled fractures, barren. Some minor sulphide, chalcopyrite at 84.8'
	86.0	
86.0		GABBRO Dark grey green in color. Fine grained. Low relic carbonated feldspar. Medium grey green chlorite. Low to medium carbonate alteration. Low silica. Scattered white carbonate & quartz stringers, fractures & veinlets, barren. Low white to yellowish leucoxene alteration product. Low shear, medium fracturing, fair foliation in part mainly 40° to C.A.
	150.0	As above. Low to medium sulphides closely associated with the leucoxene alteration product, mainly cubic type pyrite with minor amount of chalcopyrite.
	168.0	
168.0		ROCK TYPE INDEFINITE - (Probably Tuffs) Dark grey green in color. Fairly fine grained. Medium dark green chlorite. Medium carbonate. Low silica. Excellent foliation, 35° to C.A. at 169.0' . Low fine grained speckling, leucoxene alteration product. Low sulphides, mainly cubic type pyrite.
	170.5	
170.5		DYKE Dark green in color. Very fine grained. Medium chlorite. Medium carbonate. Low silica. Low to medium shear, excellent foliation at 40° to C.A.. Contacts very sharp, upper & lower at 40° to C.A.
	172.0	
172.0		ROCK TYPE INDEFINITE - Probably Tuffs) Medium grey green in color. Fine grained. Medium green chlorite. Medium carbonate. Low silica. Medium shear or banding, very consistent at 40° to C.A. throughout. Many small carbonate & quartz layers or bands. Small layers containing black type chlorite. Low to medium sulphides, mainly pyrite in layers or seams, some fine chalcopyrite associated.
	177.2	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #126

FOOTAGE		DESCRIPTION
177.2		DYKE Same as above dyke. Foliation & sharp contacts at 40° to C.A.
	177.9	
177.9		ROCK TYPE INDEFINITE - (Probably Tuffs) Medium grey green in color. Fine grained. Medium green chlorite. Medium carbonate. Low silica. Medium shear or banding, excellent foliation fairly consistent at 45° to C.A.. Small scattered carbonate & quartz bands or layers. Negligible to low sulphides, pyrite.
	182.8	
182.8		DYKE Same as two previous dykes. Foliation & contacts at 35° to C.A.
	185.0	
185.0		ROCK TYPE INDEFINITE - (Probably Tuffs) Dark grey green in color. Fine grained. Medium dark green chlorite. Medium carbonate. Low silica. Many small carbonate bands or layers. Much fine grained leucoxene speckling throughout. Medium shear or banding, excellent foliation consistent at 40° to C.A.. Between 190.0-191.1 evidence of dragfolding, angles to C.A. very contorted & variable. Foliation ends abruptly at 191.1'
	191.1	
191.1		QUARTZ GABBRO - Sheared. Dark grey green in color. Fine to medium grained. Medium dark green chlorite. Medium carbonate. Low silica. Low relic carbonated felaspar. Many white & bluish type quartz eyes which are distorted or brecciated. Low shear poor to fair foliation in part approx. 40° to C.A., sections contorted probably due to local dragfolding. Low leucoxene speckling. Negligible sulphides, pyrite.
	203.9	
203.9		CARBONATE SIDERITE QUARTZ VEIN Mainly grey carbonate 50-75%. Sections of medium siderite rich material. Small irregular quartz sections or fractures. Medium magnetite 15-20%. Low to high chalcopyrite in part. High concentration of chalcopyrite in hanging wall side of vein associated with magnetite & pyrrhotite.
	211.3	
211.3		QUARTZ GABBRO Dark green in color. Fairly fine grained. Medium green chlorite. Medium carbonate. Low silica. Much fine grained leucoxene speckling. Many distorted or brecciate white & bluish quartz eyes. Low shear, poor to fair foliation variable at 45-55° to C.A.. Many small to medium sized carbonate & quartz stringers, fractures & veinlets, barren.
	256.1	
256.1		DYKE- Type Indefinite. Dark green in color. Very fine grained, fairly massive. Medium to high dark green chlorite. Low carbonate in part. Low silica. Low shear or fracturing. Contacts very sharp, upper at 15° to C.A., lower brecciated probably at 25° to C.A.
	260.3	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #126

FOOTAGE		DESCRIPTION
260.3		QUARTZ GABBRO Dark green in color. Fairly fine grained. Medium green chlorite. Medium carbonate. Low silica. Much fine grained leucoxene speckling. Scattered distorted or brecciated white & bluish quartz eyes. Low shear, poor to fair foliation variable at 35-50° to C.A.. Scattered white carbonate & quartz stringers & fractures barren.
	275.0	END OF HOLE

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.	Zn.	Co.
	#1516	172.0-177.2	5.2'	Tr			
	#1517	203.5-206.5	3.0'	.05	1.500		
	#1518	206.5-208.0	1.5'	Tr	0.300		
	#1519	208.0-211.6	3.6'	Tr	0.500		
	#1520	203.5-211.6	8.1'			Tr	Tr

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #127 LOCATION Line 8E - 1150N DATE STARTED Sept.12th,1956

DIP 70° LAT. _____ DEP. _____ DATE FINISHED Sept.15th,1956

BEARING North on Line ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 358.5 Ft. DIP TESTS 65.0° at 350.0 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand
	6.8	
6.8		GABBRO Dark green in color. Fine to medium grained. Low relic carbonated type feldspar. Medium dark green chlorite. Medium carbonate. Small white & bluish quartz eyes. Scattered white & greyish quartz & carbonate stringers, fractures & veinlets, some containing dark green chlorite inclusions. Medium speckling throughout of white to orange yellow leucoxene alteration product. Low amounts of magnetite in part. Small sections of low shear approx. 40° to C.A.. Minor sulphides, mainly cubic type pyrite with some chalcopyrite.
	67.0	As above. Medium amounts of medium grained brecciated feldspar laths, white to light yellow to green in color, decreasing in size & amount from 74.0' on. Many white to bluish quartz eyes in evidence. Sections of medium amount of fine magnetite with lower amount of leucoxene. Scattered white quartz & carbonate stringers, fractures & veinlets, barren. Quite massive in appearance with low fracturing in part. Minor sulphides, pyrite.
	97.0	As above. Becoming much darker in color. Much finer grained. Low relic carbonated feldspar. Low carbonate decreasing. Medium chlorite increasing to high in part. Low to medium fine grained magnetite. Low patchy leucoxene alteration product. Scattered white carbonate & quartz stringers, fractures & veinlets. Scattered white & bluish quartz eyes in part. Minor sulphides, pyrite. Core badly broken from 111.0-126.0 LOST CORE 122.0 - 126.0
	126.0	
126.0		DYKE - Type Indefinite (Diorite) Dark grey green in color. Fine grained. Massive but fractured. Medium green chlorite. Low carbonate. Medium silica. Many small irregular carbonate filled fractures. Little or no mineral. Contacts quite indefinite, upper lost in ground core, lower brecciated.
	154.1	
154.1		GABBRO Dark grey green in color. Fine grained. Low relic carbonated feldspar. Medium dark green chlorite. Low carbonate increasing. Low patchy white leucoxene alteration product. A few scattered white & bluish quartz eyes. Many small irregular carbonate filled fractures, suggested crushing rather than shearing. Sections of high chlorite probably dykes.
	193.5	Shear Zone. Dark green in color. Very fine grained. High green chlorite content. Low carbonate. Low silica. Medium shear, good foliation 30° to C.A.. Medium sulphides in carbonate rich material, mostly all chalcopyrite between 194.0-195.0 with some disseminated cubic pyrite in contact.
	196.0	Same as above between 154.1-193.5
	207.0	As above. Sheared & Carbonated. Becoming finer grained. Medium dark green chlorite. Low to medium carbonate in part. Low patchy leucoxene alteration product. Medium to high shear, highly contorted, poor foliation, much dragfolding, most consistently at 25-35° to C.A.. Low to medium carbonate & quartz material mineralized with

(CONTINUED)

DIAMOND DRILL LOG

OBELSKI (1946) LIMITED

HOLE #127

FOOTAGE		DESCRIPTION
		low to medium pyrite with some chalcopyrite. Core badly broken. Note:- Between 214.5-227.9 low amounts of shiny silvery grey soft mineral, unidentified, occurring along slip faces, probably molybdenite, definitely not graphite.
	227.9	
227.9		CARBONATE QUARTZ VEIN 75% carbonate, 15-20% quartz. Low to medium sulphides, mainly chalcopyrite with some pyrite. Low magnetite content. Greater concentration of chalcopyrite appears on hanging wall side of vein.
	231.0	
231.0		GABBRO - Sheared & Carbonated. As above. Dark grey green in color. Fine grained. Medium dark green chlorite. Medium carbonate. Low silica. Small scattered white carbonate filled fractures, barren. Low to medium shear, good foliation 35-40° to C.A. Note:- 244.4 Fault showing two directions of dip, one contrary to the other. Same rock type both sides.
	246.2	
246.2		CARBONATE QUARTZ SIDERITE VEIN 75% grey carbonate with quartz & iron carbonate. Low to medium sulphides, mainly chalcopyrite with pyrite. Low disseminated magnetite throughout. Contact phases of vein material is sheared, good foliation at 35° to C.A.
	250.0	
250.0		GABBRO As above. Dark green in color. Fine grained. Medium green chlorite. Medium carbonate. Low to medium speckling of leucoxene alteration product. Low to medium shear, excellent foliation 30-35° to C.A.. Small scattered irregular carbonate filled fractures, barren. Note:- 262.0-262.5 lighter in color. Minor green chlorite. High carbonate. Low silica. Medium shear, good foliation 50° to C.A., contains low sulphides, mainly pyrite. Possibly tuffs. Contacts are quite sharp.
	277.9	
277.9		QUARTZ GABBRO Dark green in color. Fine to medium grained. Medium green chlorite. Medium carbonate. Medium silica. Many white & bluish quartz eyes. Scattered white quartz & carbonate stringers & fractures. Low to medium sheared sections containing quartz & carbonate rich material with fine pyrite & chalcopyrite.
	320.9	
320.9		DYKE - GREEN DIORITE Dark green in color. Very fine grained. Massive. Medium green chlorite. Medium carbonate. Small irregular carbonate & quartz fractures, barren. Contacts very sharp, upper broken, lower at 45° to C.A.
	326.6	
326.6		GABBRO Dark green in color. Medium green chlorite. Medium carbonate decreasing. Low to medium white to mauve leucoxene alteration product. Scattered white carbonate & quartz stringers & fractures. Low shear in part, fair foliation 30-40° to C.A.
	358.5	END OF HOLE

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #127

A S S A Y R E S U L T S

LAB.NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	#1521	194.0-195.0	1.0'	Tr	1.250
	#1522	207.0-208.5	1.5'	Tr	0.200
	#1523	213.1-216.4	3.3'	Tr	0.050
	#1524	223.9-227.9	4.0'	Tr	0.150
	#1525	227.9-231.0	3.1'	Tr	0.250
	#1526	231.0-233.0	2.0'	Tr	0.100
	#1527	246.0-248.0	2.0'	.01	0.250
	#1528	248.0-250.0	2.0'	Tr	0.300
	#1529	290.0-292.5	2.5'	Tr	0.200
	#1530	315.0-318.5	3.5'	.025	0.050

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #128 LOCATION Line 6E - 1515N DATE STARTED Sept. 17th,1956

DIP 50° LAT. _____ DEP. _____ DATE FINISHED Sept. 25th,1956

BEARING N27°E ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 500.0 Ft. DIP TESTS 48.5° at 250 Ft. - 42.5° at 500 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand & Gravel.
	56.5	
56.5		QUARTZ GABBRO Dark green in color. Fine to medium grained. Medium dark green chlorite matrix. Negligible carbonate except in small stringers & fractures. Low relic feldspar. Sections containing many relic type quartz eyes, white & bluish. Sections throughout of fine grained material containing relic feldspar & quartz eyes in minor amounts, probably fused dykes. Negligible sulphides, some disseminated pyrite. LOST CORE 91.1 - 95.0
	118.8	
118.8		DYKE - Green Diorite Type Dark green in color. Very fine grained. Medium dark green chlorite. Medium silica. Negligible carbonate. Fairly massive. Small scattered carbonate fractures. Contacts discernible but fused.
	129.1	
129.1		QUARTZ GABBRO Dark green in color. Fine to medium grained. Low relic feldspar content. Medium dark green chlorite. Negligible carbonate except in small scattered fractures. Many white & bluish quartz eyes relic type. Low foliation suggested. Note:- Between 142.0-145.0 medium to high sulphides, mainly pyrite with appreciable amount of chalcopyrite. Some minor carbonate & quartz occurring as in fractures.
	164.2	
164.2		DYKE - Green Diorite Type Dark grey green in color. Fine grained at contacts becoming coarser grained towards centre of dyke. Fine grained contacts contain medium carbonate, centre of dyke negligible carbonate. Fine grained speckling particularly towards centre of dyke, quartz & feldspar. Minor irregular carbonate filled fractures & stringers, barren. Contacts are fairly sharp but fused. Minor sulphides, pyrite in disseminated form.
	197.5	
197.5		QUARTZ GABBRO Dark grey green in color. Becoming much finer grained. Low relic feldspar content. Medium dark green chlorite matrix. Many white to bluish relic type quartz eyes. Fair foliation in part 40-50° to C.A.. Minor sulphides, mainly pyrite with some chalcopyrite occurring in small fractures.
	234.5	
234.5		ALTERED TUFFS Light grey greenish to buff in color. Fine grained. Low green chlorite. Medium to high carbonate. Low silica. Sericitized. Excellent foliation at 45° to C.A. throughout. Contact phases much finer grained & more chloritized. Contacts very sharp, upper & lower at 45° to C.A.. Much fine speckling throughout probably leucoxene. Little or no sulphides.
	275.5	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #128

FOOTAGE		DESCRIPTION
275.5		QUARTZ GABBRO Dark green in color. Fine grained. Fairly massive. Fairly even textured. Negligible to low relic feldspar content. Medium dark green chlorite matrix. Low to medium amounts of white to bluish quartz eyes throughout Negligible carbonate except in small stringers, fractures & veinlets. Minor sulphides, mainly pyrite occurring in small stringers. Low suggested foliation in part 55-60° to C.A.
	341.0	As above. Sheared with low alteration. Becoming somewhat lighter in color & much finer grained. Medium dark green chlorite. Low carbonate in part. Scattered low amounts of white & bluish quartz eyes. Low shear, fair to good foliation in part from 50-60° to C.A.. Low to medium to high sulphides occurring in small carbonated sheared sections, mostly pyrite with minor chalcopyrite.
	367.8	
367.8		CARBONATE SIDERITE MAGNETITE VEIN Dark grey to black in color. Medium to high carbonate. Medium siderite occurring in fractures & stringers. Medium fine grained magnetite. Medium fine grained sulphides, pyrite with appreciable amounts of fine grained chalcopyrite.
	369.9	
369.9		QUARTZ GABBRO - Shear & Low alteration. Dark grey green in color. Very fine grained. Medium dark green chlorite. Medium to negligible carbonate in upper part. Scattered low amount of relic type white & bluish quartz eyes. Small scattered carbonate rich stringers & fractures. Minor sulphides, fine disseminated pyrite. Low shear, fair to good foliation approx. 50° to C.A.
	389.6	
389.6		CARBONATE SIDERITE MAGNETITE VEIN Dark grey to black in color. Medium to high carbonate. Low siderite. Medium to high fine grained magnetite with low to medium fine grained pyrite & chalcopyrite.
	393.8	
393.8		QUARTZ GABBRO As above.
	396.0	
396.0		DYKE - Green Diorite Type Dark grey green in color. Very fine grained. Low sheared fair foliation 60° to C.A.. Medium green chlorite. Medium carbonate throughout. Low silica. Small scattered white carbonate filled stringers at 60° to C.A.. Contacts very sharp, upper & lower at 60° to C.A.
	399.6	
399.6		QUARTZ GABBRO Dark greyish green in color. Very fine grained becoming gradually coarser grained towards 436.5'. Porphyritic texture in part. Medium green chlorite. Low to medium carbonate. Medium to high silica. Many small relic type feldspar phenos & quartz eyes. Minor sulphides, mainly pyrite with some chalcopyrite.
	436.5	Gabbro. Somewhat lighter in color. Fine to medium grained. Medium green chlorite matrix. Medium relic feldspar laths. Some scattered relic quartz eyes. Low to medium carbonate. Medium silica. Medium epidotized. Several small quartz epidotized veinlets, barren. Low fracturing suggested, mainly fairly massive. Minor sulphides, pyrite.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #128

FOOTAGE		DESCRIPTION
	456.5	Gabbro - Quartz Gabbro. Dark green in color. Mainly fine grained with sections of fine to medium grained material. Finer grained material contains very little visible feldspar but medium amount of bluish quartz eyes. Coarser material contains little quartz but many relic type feldspar laths with a porphyritis texture quite suggestive of layers. Fairly massive throughout with some fractures. Minor sulphides, pyrite, occurring in small scattered carbonate & quartz stringers & fractures. Some minor amount of chalcopyrite.
	494.6	
494.6		DYKE - Green Diorite Type Dark greyish green in color. Very fine grained. Massive. Medium green chlorite. Medium to low carbonate. Low silica. Very fine speckling throughout. Scattered white carbonate filled fractures, barren, several containing yellow epidote.
	500.0	END OF HOLE

Assay Returns

Lab. No.	Sample No.	Footage	Width	Au.	Cu.	Co.
	#1531	140.0-142.0	2.0'			
	#1532	142.0-145.0	3.0'			
	#1533	145.0-147.0	2.0'			
	#1534	366.1-371.1	5.0'			
	#1535	389.5-394.5	5.0'			

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #129 LOCATION 1700NW - 800SW DATE STARTED Sept. 24th, 1956

DIP 60° LAT. _____ DEP. _____ DATE FINISHED Oct. 13th, 1956

BEARING 215° ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 902.1 Ft. DIP TESTS 61.5° at 250 Ft. - 60.5° at 500 Ft.
57.5° at 750 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders.
	210.0	
210.0		ANORTHOSITE Fine grained relic to complete type feldspar 70-80%. Low pale green chlorite matrix. Some fine white mica. Low to medium carbonate. Medium silica. Low shear in part, occurring as short sections, 40° to C.A. at 271.5' , 40° to C.A. at 304.0' . Small scattered grey carbonate & bluish quartz stringers & fractures.
	320.0	Anorthosite as above. Fine to medium grained relic & patchy complete type feldspar 70-80%. Low pale green chlorite. Low to medium grey green chlorite. Low to medium carbonate content. Low shear, fair to good foliation in part, 30° to C.A. at 322.5' , 25° to C.A. at 311.5' . Low sulphides, mainly pyrite occurring in carbonate rich fractures & sections.
	342.5	
342.5		DYKE - Grey Diorite Type Light grey in color. Fine grained. Medium carbonate. Contacts very sharp but fused.
	343.5	
343.5		ANORTHOSITE Mainly fine grained relic with sections of complete type feldspar. Low pale greyish green chlorite matrix. Low carbonate content. Medium silica. Low shear in part, fair to good foliation, mainly at 45° to C.A.. Minor sulphides, pyrite occurring in carbonate rich stringers & fractures.
	378.3	
378.3		DYKE - Grey Diorite Type Light grey in color. Fine grained. Medium carbonate. Medium silica. Low to medium shear, 30-35° to C.A.. Contacts very sharp, upper at 35°, lower at 30° to C.A. Anorthosite in both walls of dyke sheared & carbonated, good foliation at approx. 30° to C.A., barren.
	380.6	
380.6		ANORTHOSITE As above.
	400.0	Anorthosite. Sheared & Altered Zone. Fine grained relic type feldspar 70-80%. Low pale grey green chlorite matrix Low to high carbonate. Low silica. Medium to high shear, sericitized with much broken & lost core, good foliation but variable 30-35° to C.A., barren. LOST CORE 412.0 - 418.5 " " 421.9 - 428.1 " " 429.7 - 430.8 " " 432.2 - 433.4 " " 434.5 - 436.2 Note:- Little or no evidence of mineralization throughout this zone.
	436.2	Anorthosite. Fine grained relic to complete type feldspar 80-85%. Low pale grey green chlorite matrix. Low carbonate except in small scattered carbonate rich strs. & fractures. Medium silica. Minor sulphides, mainly pyrite with some chalcopyrite occurring in carbonate rich material. Low shear, poor to fair foliation 40-45° to C.A with mineralized carbonate stringers at approx. 30° to C.A

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #129

FOOTAGE		DESCRIPTION
		Note:- Between 444.5-446.0 rusted carbonate quartz rich section containing minor chalcopyrite with some dendritic copper.
	455.0	Anorthosite. Fine to medium grained relic & brecciated to complete type feldspar, somewhat coarser grained than above 80-95%. Becoming quite massive. Low pale grey green chlorite matrix. Low carbonate except in small scattered carbonate & quartz rich fractures. Medium silic Minor sulphides, pyrite with some chalcopyrite.
		LOST CORE 480.0 - 481.5
	486.1	
486.1		DYKE - Grey Diorite Type Light grey in color. Fine grained. Medium carbonate. Low shear, good foliation 55° to C.A.. Low silica. Contacts very sharp, upper & lower at 45° to C.A.
	488.4	
488.4		ANORTHOSITE As above from 455.0 - 486.1
	491.3	
491.3		DYKE - Grey Diorite Type Medium grey greenish in color. Fine grained. Massive. Low greenish chlorite in centre phase of dyke. Much finer grained in contact phases with increased carbonate content. Minor sulphides, pyrite occurring along fracture faces. Contacts very sharp, upper at 50° to C.A., lower badly broken.
	500.7	
500.7		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Fairly massive texture. Low pale grey green chlorite matrix. Low carbonate. Medium silica.
	548.0	Anorthosite. Sheared in part (serpentinized). Fine to medium grained relic & brecciated to complete type feldspar. Low pale grey green chlorite matrix. Low carbonate content. Medium silica in part. Low to medium sheared sections up to 3 feet wide, serpentinized, usually containing low amounts of carbonate quartz material with minor amounts of pyrite & some pyrrhotite & chalcopyrite. Some fair foliation, variable at 35-50° to C.A.
		LOST CORE 560.8 - 562.2 " " 563.1 - 565.0 " " 565.6 - 567.0
	637.5	
637.5		DYKE - Grey Diorite Type Light grey in color. Fine grained. Fairly massive. Low carbonate content. Medium silica. Low sulphides occurring in fine disseminated specks. Contacts quite sharp, upper & lower at 50° to C.A.
	643.2	
643.2		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low pale grey green chlorite matrix. Medium silica.
	649.5	Anorthosite. Low sheared & Altered. Fine to medium grained relic & brecciated type feldspar. Low grey green chlorite matrix. Medium to high carbonate, Low silica. Serpentinized in part. Low to medium shear, fair to good foliation at 45-55° to C.A. with some at 15-35° to C.A., the latter containing carbonate quartz rich material, barren.
	665.9	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #129

FOOTAGE		DESCRIPTION
665.9		DYKE - Grey Diorite Type Light grey in color. Fine grained throughout. Medium carbonate. Sections containing many small white feldspar phenos. Fairly well fractured throughout with many small irregular carbonate filled stringers & fractures. Low sulphides, mainly fine disseminated cubic pyrite. Contacts very sharp, upper & lower at 35° to C.A.
	681.1	
681.1		Anorthosite - Sheared & Altered Fine to medium grained relic & brecciated altered ghost type feldspar, serpentinized 75-85%. Low grey green chlorite. Medium to high carbonate alteration. Low to medium shear, mostly good foliation at 40° to C.A.. Small scattered carbonate & quartz stringers, barren.
	691.0	Anorthosite. Low Altered, Sheared in part. Mainly fine to medium grained relic & brecciated type feldspar 80-95% Low grey green chlorite matrix. Low to medium carbonate in part. Serpentinized in part. Sheared sections with fair to good foliation mostly at 40° to C.A. but some showing evidence of dragfolding. Some carbonate with quartz rich material in sheared sections. Minor sulphides, pyrite.
	766.1	
766.1		DYKE - Grey Diorite Type Medium grey greenish in color. Fine grained, particularly in contact phases. Low green chlorite in centre phase of dyke. Medium carbonate content. Much fine grained speckling throughout. Contacts very sharp, upper at 50° to C.A., lower badly broken.
	774.5	
774.5		ANORTHOSITE Mainly fine grained complete type feldspar 80-95%. Low patchy grey chlorite matrix. Low carbonate. Medium silica Fairly uniform texture. Some white mica in evidence occurring mainly in or near white quartz veins. Several small scattered dyke fragments, grey diorite type.
	839.7	
839.7		DYKE - Grey Diorite Type Same as above dyke 766.1-774.5 . Contacts fairly sharp but core badly broken.
	863.3	
863.3		ANORTHOSITE As above from 774.5-839.7
	873.5	
873.5		DYKE - Grey Diorite Type Medium grey in color. Fine grained. Medium carbonate. Much fine grained speckling throughout. Contacts sharp at 30° to C.A.
	875.6	
875.6		ANORTHOSITE Same as above from 774.5-839.7
	902.1	END OF HOLE.

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #130 LOCATION Line 10E - 750N 130 ft. west of line. DATE STARTED Sept. 27th,1956

DIP 50° DATE FINISHED Oct. 1st, 1956

BEARING N 27° E ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 345.0 Ft. DIP TESTS 46.0° at 300 feet.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand.
	8.0	
8.0		TRANSITION TYPE GABBRO Medium to dark grey in color. Medium grey green chlorite matrix. Low carbonate content. Sections of low relic type feldspar. Low silica content. Low patchy white to orange leucoxene alteration product. Small scattered white & pink carbonate & quartz stringers, barren. Low shear suggested towards 28.5'
	28.5	As above. Transition type Gabbro. Becoming lighter in color. Medium grey green chlorite matrix. Medium relic & altered feldspar 50-60%. Low carbonate content. Low silica. Low serpentinized. Low talcose in part. Many small to medium sized white & pink carbonate stringers, fractures & veinlets, some up to 1.0' , some containing minor amounts of magnetite & pyrite. Low shear, poor foliation, more fractured than sheared. Patchy white to yellowish leucoxene alteration product.
	89.0	
89.0		GABBRO Becoming darker in color. Medium dark green chlorite matrix. Feldspar content decreasing 20-30%. Low to medium carbonate alteration. Low silica. Many white, pink & grey carbonate filled fractures, stringers & veinlets, some containing minor amounts of magnetite & pyrite. Some magnetite occurring in small sheared or banded sections. Low shear, fair to good foliation in part 45-55° to C.A.
	126.7	
126.7		DYKE - Green Diorite Type Dark grey green in color. Fine grained. Fairly massive. Medium green chlorite. Medium carbonate content. Low fracturing. Small scattered white carbonate filled fractures. Contacts very sharp, upper & lower at 45° to C.A.
	136.2	
136.2		GABBRO Dark grey green in color. Medium grained. Medium dark green chlorite matrix. Low carbonate content. Low relic feldspar. Small scattered white & greyish quartz & carbonate stringers, fractures & veinlets, barren. Fairly even distribution of leucoxene alteration product & fine grained magnetite. Low to medium shear, fair to good foliation 25-55° to C.A. but mostly at 45° to C.A.
	169.5	
169.5		DYKE - Green Diorite Type Medium grey green in color. Fine grained. Massive. Medium green chlorite. Medium carbonate content. Low silica. Lighter in color & finer grained in contact phases. Minor sulphides, mainly fine disseminated pyrite with some fine magnetite. Contacts very sharp, core broken, possibly at 55° to C.A.
	181.7	
181.7		GABBRO Dark grey green in color. Fine to medium grained. Medium green chlorite matrix. Medium carbonate content. Many small white carbonate & quartz stringers, fractures &

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #130

FOOTAGE	DESCRIPTION
	veinlets, barren. Low altered relic type feldspar. Fairly even distribution of fine leucoxene alteration product & fine grained magnetite. Core badly broken. LOST CORE 218.0 - 222.0
228.0	Gabbro (Quartz Gabbro). Dark green in color. Somewhat coarser grained. Medium green chlorite. Low relic feldspar content increasing. Medium grained magnetite increasing, 15-20% in part. Small scattered white & bluish quartz eyes in part. Some minor carbonate filled fractures. Between 228.0-233.0 several carbonate fractures with much specular hematite which is probably the dragged end of the vein system as in Hole #125. Some minor sulphides, mainly fine disseminated pyrite.
262.0	Gabbro. Sheared. Becoming much finer grained. Medium to high green chlorite. Medium carbonate content increasing Negligible to low feldspar content. Low leucoxene content decreasing. Negligible amounts of magnetite decreasing, Several small bluish carbonate veinlets containing medium amounts of fine magnetite with minor pyrite & chalcopyrite. Scattered white & pink carbonate stringers, fractures & veinlets containing some chlorite material, barren. Low to medium shear, fair to good foliation but variable 35-50° to C.A.
276.0	Gabbro. Sheared & Altered. Becoming much lighter in color. Low to medium green chlorite. Medium carbonate alteration. Fine grained minor relic feldspar. Minor yellowish leucoxene alteration product. Very little magnetite present. Scattered white & pinkish carbonate stringers, fractures & veinlets, some containing minor pyrite. Low shear, medium fracturing, mostly poor foliation at 45° to C.A. Note:- Several small green diorite type dykes, core badly broken.
323.0	As above. Becoming slightly darker in color. Low to medium chlorite content increasing. Medium carbonate content. Low patchy yellowish leucoxene alteration product. Sheared as above but becoming more uniform, averaging 45-55° to C.A.
345.0	END OF HOLE.

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 131 LOCATION 2300NW - 1400SW DATE STARTED Oct. 4th.1956

DIP 60° LAT. DEP. DATE FINISHED Oct. 21st.1956

BEARING 215° ELEVATION LOGGED BY A.E. Oakley

DEPTH 895.4 Ft DIP TESTS 60.5° at 250 Ft., 59.5° at 500 Ft. 56.0° at 750 Ft.

FOOTAGES		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders
	133.5	
133.5		DYKE - Grey Diorite Type Light grey in color. Fine grained. Sheared. Negligible carbonate. Medium silica.
	134.0	
134.0		ANORTHOSITE Fine grained relic type feldspar 75-80%. Low pale green chlorite matrix. Medium carbonate. Low silica. Medium shear, fair to good foliation 40-50° to C.A. Many small black chlorite filled fractures.
	141.5	As above. Becoming much coarser grained. Massive. Medium grained relic & brecciated type feldspar 75-85%. Low pale greyish green chlorite matrix. Low carbonate. Medium silica. Small scattered sheared sections with fair to good foliation at 40-50° to C.A. LOST CORE 166.0 - 167.5
	190.1	
190.1		DYKE - Altered Grey Diorite Type Light grey in color. Very fine grained. Medium carbonate alteration. Medium silica. Small scattered white feldspar phenos. Contacts sharp but badly broken.
	194.0	
194.0		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low grey green chlorite matrix. Low carbonate. Medium silica. Low patchy mauve type alteration product. Some low shear or fracturing suggested. Note:- 2 small grey diorite dykes between 203.3-204.0 & 214.8-215.3 LOST CORE 248.2 - 252.5
	256.6	As above. Sheared & Altered. Mainly fine grained relic to complete type feldspar 85-95%. Low pale green chlorite matrix. Medium to high carbonate. Low silica. Medium sericitic in part. Medium shear in part, good foliation but variable, mainly at 50° to C.A., some at 75° to C.A.. A few small scattered white carbonate veinlets, barren.
	275.0	As above. Mainly fine grained relic to complete type feldspar. Small sections of medium grained brecciated type feldspar, 80-95%. Low pale green chlorite matrix. Patchy mauve alteration product. Low to medium carbonate alteration. Some low shear suggested. Small scattered quartz stringers in at approx. 60° to C.A., are probably flat laying.. Low patchy bluish alteration product in part. Note:- Between 339.3-341.5 medium sericitic shear, good foliation at 40° to C.A., several small quartz carbonate stringers & veinlets, barren. LOST CORE 381.2 - 383.1
	383.5	As above. Mostly medium grained brecciated type feldspar with sections of relic to complete type feldspar 80-95%. Low grey green chlorite matrix. Negligible carbonate. Medium silica. Low shear

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LTD.
HOLE NO. 131

FOOTAGE	DESCRIPTION
	suggested in part, fair foliation approx. 35-45° to C.A., some containing white carbonate veinlets, barren. Minor sulphides, mostly disseminated cubic pyrite.
	LOST CORE 381.3 - 383.0
	" " 417.4 - 420.0
	Note:- Small altered grey diorite type dyke between 474.1-475.6 , contacts sharp, upper at 45° to C.A., lower badly broken.
518.9	Black Chlorite Shear Zone. Fine grained relic feldspar in outer phases coalescing. Low dark grey chlorite in outer phases, medium black chlorite in well sheared phases. Several medium sized quartz & carbonate veinlets, barren. Minor sulphides, disseminated cubic type pyrite. Medium to high shear, low talcose, low sericitic type, good foliation but variable from 35-65° to C.A.
527.0	As above. Mainly fine grained relic & brecciated type feldspar 80-95%. Low grey green chlorite matrix. Medium silica. Low carbonate. Some black type chlorite occurring in small sheared sections containing low amount of carbonate & quartz rich material. Minor sulphides, disseminated cubic type pyrite. Fair foliation at 35° to C.A.
	Note:- Strong talcose sericitic shist between 563.8-564.5 at 70-75° to C.A.
569.5	
569.5	DYKE - Grey Diorite Type Light grey in color. Fine grained. Fairly massive. Medium to high carbonate content. Contacts sharp but brecciated.
578.5	
578.5	ANORTHOSITE - Sheared, Altered & Mineralized in Part. Mainly medium grained relic & brecciated type feldspar 70-85%. Mainly low grey green chlorite matrix. Low to medium carbonate content. Sections of low to medium shear, high carbonate alteration, low to medium black type chlorite, poor to fair foliation at 40° to C.A. Between 598.5-602.2 medium to high carbonate shear, sericitic, good foliation at 55-65° to C.A.. Some minor sulphides, mostly fine disseminated chalcopyrite occurring in carbonate rich material.
602.2	
602.2	DYKE - Grey Diorite Type Light to dark grey in color. Fine grained. Low sheared in part, medium foliation 40-50° to C.A.. Medium carbonate content. Small scattered white carbonate filled fractures, barren. Contacts quite sharp, upper at 45° , lower at 55° to C.A.
	Note:- Several small sheared Anorthositic inclusions containing some white carbonate & quartz rich material, barren.
613.8	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 131

FOOTAGE		DESCRIPTION
613.8		ANORTHOSITE - Medium Sheared Fine grained relic feldspar 50-60%. Medium grey green chlorite. Medium to high carbonate. Medium shear, good foliation at 35° to C.A., minor sulphides, mostly fine disseminated chalcopyrite with some pyrite occurring in carbonate & quartz rich material.
	617.0	As above. Mainly medium grained relic & brecciated type feldspar 70-85%. Low grey green chlorite matrix. Fairly uniform texture. Some low to medium sericitic, talcose shist, fair to good foliation variable 40-65° to C.A.
	630.3	As above. Sheared Alteration Zone. Fine grained relic & ghost type feldspar 40-60%. Mainly medium grey green chlorite with medium black type chlorite in part. Medium carbonate alteration, sericitic. Many small white carbonate stringers throughout, barren. Medium to high shear, good foliation mainly at 45° to C.A., some as low as 25° to C.A.. Shear becomes less intense towards 657.5'
	657.5	Anorthosite. Fine to medium grained relic & brecciated type feldspar 75-80%. Low grey green chlorite matrix. Low carbonate. Medium silica. Low shear suggested, foliated in part 35-40° to C.A., somewhat sericitic in part. Becoming somewhat finer grained more brecciated type feldspar. Shear becoming more intense & more sericitic with more definite foliation towards 700.0' , 25-30° to C.A. between 697.0 & 700.0'
	700.0	Sheared, Altered & Sericitized Zone. Pale greenish grey in color. Fine to medium grained relic, brecciated & ghost type feldspar. Low patchy dark grey green chlorite. Medium to high carbonate. Low silica. Sericitized. Low talcose. Small scattered white carbonate rich fractures & quartz veinlets. Medium shear, fair to good foliation, fairly uniform at 40° to C.A.
	725.0	
725.0		DYKE - Grey Diorite Type Medium to light grey in color. Fine to medium grained. Medium carbonate. Much dark & light speckling throughout, possibly feldspar. Small scattered white carbonate quartz filled fractures, barren. Contacts sharp but core badly broken.
	733.5	
733.5		ANORTHOSITE - Sheared, Altered & Sericitized Zone Pale greenish grey in color. Fine to medium grained relic & ghost type feldspar 60-85%. Low to medium dark greenish grey chlorite. Low silica. Medium carbonate alteration. Sericitized. Low talcose. Small scattered white carbonate filled fractures. Medium to high shear, good foliation mainly at 30° to C.A. Note:- Btween 769.5-773.3 white & grey carbonate rich veinlet containing minor pyrite, pyrrhotite & some chalcopyrite, cut at 5° to C.A.
	773.3	
773.3		DYKE - Altered Grey Diorite Type Light grey in color. Fine grained. Medium to high carbonate. Medium silica. Small scattered carbonate rich fractures, some cut at 5° to C.A.. Minor sulphides, mainly disseminated pyrite with minor amount of chalcopyrite. Low shear throughout, fair foliation but variable approx. 50° to C.A.. Contacts very sharp, somewhat distorted, upper & lower at approx. 30° to C.A.
	783.6	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 131

FOOTAGE		DESCRIPTION
783.6	789.1	ANORTHOSITE - Sheared, Altered & Sericitized Zone As above. Medium to high shear, good foliation, fairly consistent at 35° to C.A. Note:- Between 783.6-786.0 grey carbonate veinlets, containing minor sulphides pyrrhotite, cut at approx. 10° to C.A.
789.1	795.0	DYKE - Altered Grey Diorite Type Same as dyke between 773.3-783.6 . Minor disseminated pyrite.
795.0	876.5	ANORTHOSITE - Sheared, Altered & Sericitized Zone As above. Fine to medium grained relic & brecciated ghost type feldspar 80-85%. Low patchy dark grey green chlorite matrix. Medium carbonate. Low silica. Sections of relatively unaltered material not sericitized or carbonated. Medium shear, fair to good foliation, fairly consistent at 40-45° to C.A.. Several scattered white quartz carbonate & grey quartz carbonate strs. & veinlets, some showing minor dragfolding, some minor sulphides, mainly cubic type pyrite. LOST CORE 870.0 - 875.0
876.5	885.2	DYKE - Altered grey Diorite Type As above dyke between 789.1-795.0 . Contacts sharp. Upper at 45° at C.A., lower broken.
885.2	895.4	ANORTHOSITE Relatively unaltered to low alteration. Mainly fine grained relic type feldspar 80-85%. Low pale green chlorite matrix. Low carbonate. Medium silica. Low patchy type mauve alteration product. Low shear suggested, poor foliation. END OF HOLE

NO SAMPLES TAKEN.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 132 LOCATION 1100NW - 1280SW DATE STARTED Oct. 15th,1956

DIP 45° LAT. _____ DEP. _____ DATE FINISHED Oct. 27th, 1956

BEARING 5° ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 633.8 Ft. DIP TESTS 50.5° at 250 Feet.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders
	180.0	
180.0		ANORTHOSITE - Low Sheared & Altered Mainly fine grained relic & ghost type feldspar 60-70%. Low pale grey greenish chlorite alteration. Medium carbonate alteration, decreasing towards 201.0' . Low silica increasing from 201.0' . Small scattered white carbonate & quartz fractures, cut at approx. 70° to C.A. Low shear, fair to poor foliation 40-55° to C.A. LOST CORE 198.5 - 200.0
	201.0	Anorthosite. Fine to medium grained relic & brecciated to complete type feldspar 80-90%. Low pale grey green chlorite matrix. Low carbonate decreasing towards 222.5' Small low sheared or crushed sections containing appreciable amounts of white mica, poor foliation, probably 40-55° to C.A.
	222.5	Anorthosite. Fine to medium grained relic, brecciated to complete type feldspar 80-95%. Low pale grey green & patchy dark grey chlorite matrix. Low carbonate. Medium silica. Low patchy mauve type alteration product. Becoming much finer grained & low sheared from 255.0-262.0
	262.0	
262.0		DYKE - Grey Diorite Type Light grey in color. Fine grained. Negligible carbonate. Medium silica. Many small white feldspar phenos. Small scattered bluish quartz eyes. Contacts sharp & brecciated, upper & lower in at 50° to C.A.
	265.5	
265.5		ANORTHOSITE Fine grained relic to complete type feldspar 85-95%. Low pale grey green chlorite matrix. Negligible to low carbonate content. Medium silica. Fairly uniform texture throughout.
	282.5	
282.5		DYKE - Grey Diorite Type Light grey in color. Fine grained. Fairly massive. Low to medium carbonate. Medium silica. Low fine disseminated pyrite. Much white mica in lower contact phase. A few small white feldspar phenos. Contacts sharp but core broken, approx. 40° to C.A.
	288.3	
288.3		ANORTHOSITE Fine grained relic to complete type feldspar 85-95%. Low pale grey green chlorite matrix with some black type chlorite. Low to medium carbonate. Medium silica. Becoming slightly coarser grained from 297.5' on.
	305.0	Anorthosite. Core becoming very badly broken with much lost core. Fine to medium grained relic, brecciated to complete type feldspar 80-90%. Mainly low pale grey green chlorite with some black type chlorite in part. Low to fair shear in part 30-45° to C.A. Some evidence of sulphides, probably cubic pyrite. Small scattered amounts of broken white quartz, barren. Appreciable amounts of white mica occurring mostly in small sheared sections. Note:- Grey diorite type dyke between 310.7-313.4
	450.0	(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 132

FOOTAGE		DESCRIPTION
	450.0	Anorthosite. Fine to medium grained relic & brecciated type feldspar 50-70%. Low to medium grey type chlorite. Low to medium carbonate in part. Medium silica in part. Low to medium shear in part, poor to fair foliation approx. 20° to C.A.. Minor sulphides in sheared carbonated material, weathered, probably pyrite with some chalcopyrite. Low patchy mauve type alteration product. Note:- Sheared material badly weathered. LOST CORE 452.0 - 453.2
	470.0	Anorthosite. Sheared. Altered Zone. Mineralized in Part. Light to dark grey in color. Low relic type feldspar, altered. Medium grey chlorite alteration. Medium to high carbonate alteration. Low silica. Small to medium sized carbonate stringers & veinlets. Low to high sulphides in part, low pyrite, high pyrrhotite with some chalcopyrite. Medium shear, fairly uniform at 35° to C.A. Note:- Chalcopyrite content less than 1%.
	480.0	Anorthosite. Fine to medium grained relic & brecciated type feldspar 75-85%, fairly uniform texture. Low to medium pale grey type chlorite. Low carbonate content. Medium silica. Low serpentinized in part.
	522.0	Anorthosite. Low sheared & Altered. Fine grained relic & brecciated type feldspar 30-70%. Low to medium pale grey green chlorite. Medium to high carbonate in part. Low to medium silica. Low shear in part, variable foliation 20, 30 & 40° to C.A.. Minor sulphides, mainly cubic type pyrite in carbonate rich material.
	548.0	Anorthosite. Fine to medium grained relic, brecciated to complete type feldspar 80-95%. Low grey patchy type chlorite. In part patchy type chlorite contains medium to high carbonate with low cubic type pyrite & some fine pyrrhotite & chalcopyrite. Low carbonate content. Medium silica. Small scattered shears, fair to good foliation at 50° to C.A. LOST CORE 580.8 - 583.5; " " 599.1 - 601.1
	630.2	
630.2		DYKE - Grey Diorite Type. Light grey in color. Fine grained uniform texture. Medium carbonate. Medium silica. Contacts sharp but broken.
	632.1	
632.1		ANORTHOSITE. Same as above from 548.0 - 630.2
	633.8	END OF HOLE

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 133 LOCATED 2000NW - 1150SW DATE STARTED Oct. 23rd. 1956

DIP 60° LAT. _____ DEP. _____ DATE FINISHED Nov. 9th. 1956

BEARING 180° ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 333 Ft. DIP TESTS No Tests taken.

FOOTAGE		DESCRIPTION
0.0	275.0	CASING - SAND, GRAVEL & BOULDERS.
275.0		ROCK TYPE UNRECOGNIZABLE Highly leached, rusted & badly broken. Only five feet of core was recovered.
	333.0	END OF HOLE

Note:- This hole was abondoned due to excessive caving conditions.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	134	LOCATION 1250NW - 1300SW	DATE STARTED Nov. 3rd ,1956
DIP	48°	LAT. _____ DEP. _____	DATE FINISHED Nov. 20th,1956
BEARING	215°	ELEVATION _____	LOGGED BY A.E. Oakley
DEPTH	822.5 Ft.	DIP TESTS 45.0° at 350 Ft. - 43.5° at 700 Ft.	

FOOTAGE		DESCRIPTION
0.0		CASING - Mainly Sand & Gravel.
	170.0	
170.0		ANORTHOSITE Fine grained relic & brecciated to complete type feldspar 85-95%. Low pale green chlorite matrix. Low carbonate content. Medium silica. Low spotty bluish alteration product. LOST CORE 177.5 - 180.9 " " 182.2 - 184.0 " " 186.8 - 190.0
	192.0	
192.0		DYKE - FELDSPAR PORPHYRY TYPE Medium grey in color. Fine grained. Low carbonate. Medium silica. Many small white feldspar phenos throughout. Contacts sharp, upper at approx. 50° to C.A., lower badly broken. LOST CORE 192.7 - 194.1
	196.0	
196.0		ANORTHOSITE Fine grained relic & brecciated to complete type feldspar 85-95%. Low pale grey green chlorite matrix. Low carbonate content increasing. Medium silica decreasing. Low to medium shear, sericitic, poor to fair foliation, quite contorted in part, some fair foliation at 214.0' at 55° to C.A.. Small scattered white carbonate & quartz rich sections at 65° to C.A., probably flat laying. LOST CORE 197.3 - 201.0
	226.0	As above. Sheared & Altered. Fine grained relic & brecciated type feldspar 70-80%, with sections of complete type feldspar. Low to medium pale grey green chlorite matrix. with small sections of black type chlorite. Medium sericitic shear in part, poor to fair foliation quite contorted in part, approx. 35-45° to C.A. with some at 55° to C.A. in contact with lower dyke. Small scattered carbonate & quartz rich sections, mostly barren, one between 268.3-270.1 contains low amount of cubic type pyrite. Note:- From 267.5-270.1 probably grey diorite dyke in part. LOST CORE 275.9 - 279.5
	282.0	
282.0		DYKE - GREY DIORITE TYPE Medium grey in color. Fine grained. Low carbonate. Medium silica. Small carbonate filled fractures. Contacts sharp, upper at 55° to C.A., lower at 45° C.A.
	283.1	
283.1		ANORTHOSITE - Sheared & Altered. Fine grained relic type feldspar 50%. Low grey green chlorite matrix. Low grey to black type chlorite. Medium to high sericitic. Medium to high shear, poor foliation probably 45° to C.A. Medium carbonate alteration.
	291.8	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 134

FOOTAGE	DESCRIPTION
291.8	DYKE - GREY DIORITE TYPE Light to medium grey in color. Fine grained. Low to medium carbonate. Medium silica. Small irregular carbonate quartz filled fractures. Some minor pyrite. Contacts sharp, upper at 30° to C.A., lower badly broken & brecciated. LOST CORE 303.0 - 305.0 " " 310.0 - 311.2
312.5	
312.5	ANORTHOSITE - Sheared & Altered Fine grained relic & ghost type feldspar 25-30%. Medium black type chlorite. Medium to high carbonate alteration. Medium sericitized. Medium to high shear, poor to good foliation but variable, quite contorted in part, some at 30° to C.A. with several carbonate filled fractures at 5-10° to C.A.
346.3	Anorthosite. Sheared & Altered Mineralized Zone. Fine grained relic type feldspar 15-20%. Low grey green chlorite with low black type chlorite in part. Medium to high carbonate alteration. Many small to medium sized carbonate rich stringers & fractures containing low amounts of pyrrhotite & chalcopyrite. Medium shear, fair to good foliation approx. 45° to C.A.. Note:- Probable small dyke remnants in part, fine grey diorite type.
356.3	Anorthosite. Sheared & Altered. Fine grained relic & ghost type feldspar 30-40%. Low pale grey green chlorite. Low dark grey to black type chlorite in part. Medium carbonate alteration. Medium sericitized. Medium serpentinized. Medium shear, poor to fair foliation at 45-50° to C.A.. Small scattered carbonate & quartz rich stringers & fractures, barren.
381.5	Anorthosite as above. Fine grained relic & ghost type feldspar increasing in part up to 70%. Still highly altered. Shearing as above. LOST CORE 385.0 - 385.9
415.5	
415.5	DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Negligible carbonate. Contacts sharp, upper broken, lower at 60° to C.A.
416.5	
416.5	ANORTHOSITE - Sheared & Altered. Fine grained relic & ghost type feldspar 60-70% increasing. Low pale grey green chlorite with medium black type chlorite in part. Medium carbonate alteration. Low silica. Sericitized. Low serpentinized. Medium shear, fair foliation in part at 45° to C.A.. Small scattered carbonate & quartz rich sections, one between 433.0-435.5 containing appreciable amount of pyrrhotite & chalcopyrite.
460.0	Anorthosite. Sheared & Altered. Fine grained relic & ghost type feldspar 75%, increasing. Low pale grey green chlorite. Medium to high carbonate alteration. Low to medium sericitic. Many small dark blebs throughout, could be chloritoid. Medium shear, good foliation, fairly consistent at 35° to C.A. with some at 45° to C.A. Sections containing low to medium black type chlorite with carbonate & quartz rich stringers & fractures.
501.8	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 134

FOOTAGE		DESCRIPTION
501.8		DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Medium to high carbonate alteration. Several small carbonate & quartz rich fractures containing low amount of pyrrhotite. Contacts fairly sharp, upper at approx. 60° to C.A., lower brecciated.
	503.3	
503.3		ANORTHOSITE - Sheared & Altered Fine grained relic & altered feldspar 50-60%. Low pale grey green chlorite in part, mainly medium black type chlorite alteration. Medium to high carbonate alteration. Medium sericitic. Many small carbonate & quartz rich stringers & fractures containing minor amounts of pyrrhotite in part. Low shear indicated, poor foliation.
	524.7	Anorthosite. Sheared & Altered. Fine grained relic & ghost type feldspar 70-80%. Low pale grey green chlorite with some black type chlorite in part. Medium to high carbonate alteration. Medium sericitic. Low to medium shear, fair foliation approx. 50° to C.A.. Scattered white carbonate quartz filled fractures, barren.
	542.0	Anorthosite. Sheared & Altered. Fine grained relic & ghost type feldspar 60-70%. Low pale grey green chlorite in part. Low to medium dark grey to black chlorite. Medium to high carbonate alteration. Low to medium sericitic. Low silica. Medium shear, fair to good foliation mainly at 45° to C.A. but some at 30° to C.A. Scattered carbonate rich stringers & fractures, some containing minor pyrrhotite, pyrite & chalcopyrite. LOST CORE 546.2 - 553.6
	570.0	Anorthosite. Sheared & Altered. Fine grained relic & ghost type feldspar 60-75%. Low pale grey green chlorite with some black type chlorite in part. Medium to high carbonate alteration. Low sericitic. Medium shear, fair to good foliation indicated fairly consistent at 40° to C.A. with some at 50° to C.A.. Small scattered bluish carbonate & quartz veinlets, some containing minor pyrrhotite & chalcopyrite.
	590.0	
590.0		DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Medium carbonate alteration. Several small carbonate & quartz filled fractures, barren. Contacts sharp but core broken.
	593.7	
593.7		ANORTHOSITE - Sheared & Altered. Fine grained relic & some ghost type feldspar 10-50%. Low pale grey green chlorite in part. Low dark grey to black type chlorite increasing, to high black type chlorite from 605.0-617.0'. Medium to high shear, highly contorted between 605.0-615.0 containing much barren white carbonate. Some minor pyrite present.
	617.0	Anorthosite. Sheared & Altered. Fine grained relic & ghost type feldspar decreasing towards 622.5'. Low pale grey green chlorite with some black chlorite in part. Medium to high carbonate alteration. Medium shear, poor foliation. Small scattered dark colored blebs, could be chloritoid.
	622.5	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 134

FOOTAGE	DESCRIPTION
622.5	Anorthosite. Sheared & Altered. Fine grained relic feldspar 15-20%. Medium/dark grey to black type chlorite alteration Medium to high carbonate alteration. Many small to medium sized carbonate rich stringers, fractures & veinlets containing minor amounts of pyrrhotite & chalcopyrite. Medium sericitic. Low shear, poor foliation but mainly at 30° to C.A.. Note:- Gradual decrease of black type chlorite with gradual increase of grey green chlorite towards 675.5'.
675.5	Anorthosite. Sheared & Altered. Fine grained relic & ghost type feldspar 60-70%. Low pale grey green chlorite with some minor black type chlorite in part. Medium to high carbonate alteration. Low sericitic. Medium shear decreasing somewhat, poor to fair foliation mainly at 45-55° to C.A.
710.0	Anorthosite. Fine to medium grained relic & brecciated type feldspar 60-85% increasing. Fairly massive, eventextured. Low to medium pale grey green type chlorite. Low carbonate alteration decreasing. Minor amounts of sericite in part. Low shear indicated in part, fair to good foliation approx. 40-45° to C.A.. Sections of black type chlorite containing fair amounts of carbonate & quartz rich material, barren. Some mauve & blue type alteration.
797.5	Anorthosite as above. Fine to medium grained relic & brecciated with sections of almost complete type feldspar. Low to medium pale grey green chlorite matrix. Low carbonate content. Low type shearing or crushing effect, poor foliation possibly at 50-55° to C.A., seems to be increasing in intensity. Still some mauve & brownish alteration product.
822.5	END OF HOLE.

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
PP 919	1537	346.3-348.3	2.0'	.01	0.05
920	1538	348.3-351.3	3.0'	TR.	1.30
921	1539	351.3-356.3	5.0'	TR.	0.05
922	1540	433.0-435.5	2.5'	TR.	0.05

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	135	LOCATION	1400NW - 550SW	DATE STARTED	Nov. 9th,1956
DIP	55°	LAT.	DEP.	DATE FINISHED	Nov.25th,1956
BEARING	South on Line	ELEVATION		LOGGED BY	A.E. Oakley
DEPTH	737.5 Ft.	DIP TESTS	55.0 at 350 Ft. - 52.0 at 700 Ft.		

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders.
	175.0	
175.0		ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 80-85%. Low pale greyish green chlorite matrix Low carbonate content. Medium silica. Patchy bluish & brown alteration product.
	189.2	
189.2		DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Negligible carbonate. Fairly eventextured. Contacts sharp but core badly broken.
	190.6	
190.6		ANORTHOSITE Mainly fine grained relic & brecciated to complete type feldspar 80-95%. Low pale grey green chlorite matrix. Low carbonate content. Some low shear indicated in part.
	223.5	Anorthosite as above. Mainly fine to medium grained relic & brecciated with small sections of complete type feldspar 80-95%. Low to medium grey green chlorite matrix. Low carbonate. Medium silica. Patchy brownish alteration product. Note:- Quite massive & fairly eventextured throughout. LOST CORE 226.0 - 228.5 " " 231.3 - 233.7
	285.5	Anorthosite. Sheared & Altered. Mainly fine grained relic to complete type feldspar 75-85%. Low chlorite matrix. Medium carbonate alteration. Low shear in part, fair foliation mainly at 40° to C.A. with some at 35°. Low sericitic. Note:- Between 313.5-316.1 Medium to high shear at 20° to C.A., serpentinized, medium talcose, contains medium to high carbonate with low amounts of pyrite with pyrrhotite & chalcopyrite. LOST CORE 286.2 - 288.2 " " 290.0 - 290.8 " " 292.1 - 293.9 " " 294.7 - 298.7
	316.1	Anorthosite. Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low pale grey green chlorite matrix. Low carbonate content. Low patchy brownish alteration product.
	326.0	Anorthosite. Sheared & Altered. Fine to medium grained relic & ghost type feldspar 65-75%. Low pale green chlorite matrix. Medium serpentinized. Medium to high carbonate alteration. Medium shear, fair foliation but quite contorted in part, mainly at 35° to C.A., barren throughout.
	335.0	Anorthosite. Mainly fine grained relic type feldspar 70-85%. Low carbonate content. Low pale grey green chlorite matrix. Minor shear indicated in small sections, poor foliation. Fairly eventextured throughout. Note:- Small grey dyke between 366.4-366.9 .

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 135

FOOTAGE		DESCRIPTION
	398.9	~~xxxx~~ Anorthosite. Sheared & Altered. Medium shear with very sharp contacts, upper at 20° to C.A., lower at 30° to C.A., medium serpentinized, contains medium white carbonate, barren.
	400.3	Anorthosite. Fine to medium grained relic & brecciated with sections of complete type feldspar 75-95%. Low pale grey green chlorite. Low carbonate. Medium silica. Note:- Several small mineralized fractures in the first few feet containing pyrite with some pyrrhotite, in at approx. 35° to C.A. Small scattered sheared & altered sections serpentinized throughout containing appreciable amounts of white carbonate & quartz, barren, foliation fairly consistent at 50° to C.A. Becoming finer grained with increasing amount of carbonate towards 534.0'
	534.0	Anorthosite. Sheared & Altered. Fine grained relic type feldspar 50-60%. Low pale grey green chlorite. Medium to high carbonate alteration. Low serpentinized in part. Medium shear, somewhat contorted in part, fairly consistent at 40° to C.A. with some at 25°. Small white carbonate rich sections throughout. Some minor sulphides, mainly pyrite with some chalcopyrite.
	543.0	Anorthosite. Low shear in part. Fine to medium grained relic & brecciated with some ghost type feldspar in part 75-85%. Low pale grey green chlorite matrix. Low carbonate content with medium carbonate in small scattered sheared sections fairly consistent at 50° to C.A.
	580.5	
580.5		DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. High carbonate. Contacts sharp, upper at 30° to C.A., lower brecciated. Low sulphides, pyrite.
	582.5	
582.5		ANORTHOSITE - Low Sheared. Fine grained relic type feldspar 75-85%. Low pale grey green chlorite. Low to medium carbonate content. Medium silica. Low shear, good foliation in part 65° to C.A. suggested.
	591.0	
591.0		DYKE - Grey Diorite Type Light grey in color. Fine grained. Medium to high carbonate content. Contacts sharp, upper brecciated, lower at 55° to C.A.
	593.7	
593.7		ANORTHOSITE Fine grained relic to complete type feldspar 85-95%. Low pale grey green chlorite. Low carbonate. Medium silica. Low shear suggested in part 55° to C.A.
	598.5	Anorthosite. Sheared & Altered. (Quartz Carbonate Vein) Fine grained relic feldspar in contacts. Low shear, good foliation approx. 50° to C.A.. Medium to high carbonate & quartz. Medium sulphides, mainly pyrite with minor pyrrhotite & chalcopyrite.
	601.2	Anorthosite. Fine grained relic to complete type feldspar 85-95%. Low pale grey green chlorite matrix. Low carbonate content decreasing. Medium silica. Faurly massive, eventextured. Low brownish alteration product.
	625.0	Anorthosite. Fine to medium grained relic & brecciated to complete type feldspar 85-95%. Low to medium dark grey green chlorite matrix. Low carbonate content.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 135

FOOTAGE		DESCRIPTION
		Medium silica. Patchy brownish alteration product. Fairly massive, eventextured. Note:- Several small grey dyke remnants between 625.0 - 650.0'. Note:- One barren white quartz vein between 647.6-648.4
	683.4	
683.4		DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Medium carbonate. Many small white carbonate filled fractures. Contacts very sharp, upper at 40°, lower at 70° to C.A.
	690.2	
690.2		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 85-95%. Low dark grey green chlorite matrix. Low carbonate content. Medium silica. Low patchy brown & bluish alteration product. Small scattered white glassy quartz veins, barren. Note:- Small well fractured grey diorite dyke between 703.5-705.0 contains much white glassy quartz.
	737.5	END OF HOLE

A S S A Y R E T U R N S

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.
QQ. 224	1541	598.5-601.2	2.7'	Tr.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 136 LOCATION 1700NW - 1100SW DATE STARTED Nov.21st.1956

DIP 55° LAT. DEP. DATE FINISHED Dec. 6th.1956

BEARING 215° ELEVATION LOGGED BY A.E. Oakley

DEPTH 488.7 Ft. DIP TESTS 54.5° at 488 Feet.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders
	281.0	
281.0		ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 75-85%. Low to medium pale grey green chlorite matrix. Low dark grey to black type chlorite in part. Low carbonate content. Low to medium sericitic in part. Small scattered low sheared sections, fair foliation variable at 35-50° to C.A. Note:- This section leached & weathered in part. LOST CORE 283.0 - 290.0 " " 300.0 - 301.0 " " 305.5 - 307.7 " " 335.0 - 336.2 " " 337.0 - 338.7
	338.7	Anorthosite. Fine to medium grained relic & brecciated type feldspar 75-85%. Low to medium pale grey green chlorite matrix. Small scattered sections containing black type chlorite. Low to medium carbonate in part. Low sericitic in part, mainly in small carbonated sections. LOST CORE 351.6 - 353.0 " " 390.0 - 392.5 " " 400.0 - 402.2 " " 404.0 - 405.0 " " 413.7 - 416.0 " " 418.0 - 419.0 " " 420.0 - 421.2 " " 429.0 - 430.0 " " 433.4 - 434.0 " " 436.2 - 437.5 " " 440.3 - 441.7 " " 443.3 - 444.4 " " 445.7 - 447.1 " " 448.1 - 451.3 " " 453.5 - 454.4 " " 455.0 - 456.0 " " 458.8 - 463.3
	467.0	
467.0		DYKE - FELDSPAR PORPHYRY Light grey in color. Fine grained. Negligible carbonate. Medium silica. Many closely spaced white feldspar phenos. Contacts appear to be sharp but core badly broken. LOST CORE 467.4 - 468.5 " " 471.3 - 473.5
	473.5	
473.5		ANORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 75-85% Low pale grey green chlorite matrix Negligible carbonate. Medium silica. Several small white & grey carbonate & quartz veinlets, barren. Some low shear or fracturing. LOST CORE 476.0 - 476.8
	488.7	END OF HOLE

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 137 LOCATION 2600NW - 2050SW DATE STARTED Nov.26th.1956

DIP 60° LAT. _____ DEP. _____ DATE FINISHED Dec. 2nd.1956

BEARING 215° ELEVATION _____ LOGGED BY A.E. Oakley

DEPTH 470.8 Ft. DIP TESTS 54.0° at 250 Ft. - 49.5° at 470 Ft.

FOOTAGE		DESCRIPTION
0.0		CASING - Sand & Gravel.
	25.8	
25.8		DYKE - GREEN DIORITE TYPE Medium grey green in color. Fine grained. Massive. Low greenish chborite. Negligible carbonate with low carbonate in contact phase. Medium silica. Lower contact sharp but broken.
	33.2	
33.2		ANORTHOSITE Fine grained relic to complete type feldspar 85-95%. Low dark grey green chlorite matrix. Negligible carbonate. Medium silica. Low fracturing in part between 30-40° C.A.. Low patchy brownish & mauve alteration product. Note:- 55.0-55.5 small black chlorite shear, fair to good foliation 40° to C.A.
	62.2	
62.2		DYKE - GREY DIORITE TYPE Medium grey in color. Fine grained. Negligible carbonate except in finer grained contact phases. Medium silica. Small scattered white feldspar phenos. Small scattered white carbonate stringers mostly at 60° to C.A.. Contacts sharp but core badly broken. LOST CORE 70.5 - 72.6
	74.2	
74.2		ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 75-85%. Low to medium dark grey green chlorite matrix. Negligible carbonate. Medium silica. LOST CORE 77.2 - 77.9
	77.9	Anorthosite. Sheared & Altered. Fine grained relic feldspar in evidence 5-10%. Medium dark grey to black type chlorite throughout. Medium to high carbonate alteration. Low silica. Medium to high shear, fair to good foliation although quite contorted in part, averaging 40° to C.A.. Many small to medium sized white carbonate filled fractures, barren.
	102.1	Anorthosite. Altered becoming less sheared. Fine grained relic feldspar immerging. Low grey green chlorite increasing, low dark grey to black chlorite decreasing. Shear becoming less intense, still at 40° to C.A.
	106.5	Anorthosite. Fine to medium relic & brecciated to complete type feldspar varying 80-95%. Low to medium dark grey green chlorite matrix. Negligible carbonate. Medium silica. Low patchy mauve to brownish alteration product. Several small grey diorite dyke fragments. Note:- Between 125.0-129.0 low to high dark grey to black chlorite in sheared & fractured material, fair foliation at 40° to C.A. Note:- Between 148.0-149.0 Carbonate quartz veinlet containing pyrite, cut between 10 & 20° to C.A.
	214.0	Anorthosite. Sheared, low alteration. Mainly fine grained relic to complete type feldspar 80-85%. Low grey green & pale green chlorite matrix. Low carbonate content. Medium silica decreasing. Low sulphides occurring in small fractures & stringers, mainly in carbonate rich material, pyrrhotite with minor chalcopyrite. LOST CORE 218.4 - 221.7

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 137

FOOTAGE		DESCRIPTION
	221.7	Anorthosite. Sheared, Altered & Mineralized. Fine grained relic & ghost feldspar in part 5-30%. Low to medium dark grey chlorite alteration. Low carbonate content. Low talcose. Low to medium serpentinized. Medium shear, fair to good foliation quite contorted in part, mostly consistent at 40-80° to C.A.. Medium fine grained sulphides, mainly pyrrhotite 20% with minor pyrite & chalcopyrite occurring in white & grey carbonate rich material.
	235.0	Anorthosite. Low shear, low alteration. Mainly fine grained relic & brecciated type feldspar 65-75% increasing. Low to medium light grey chlorite decreasing. Low carbonate decreasing. Medium silica increasing. Low shear decreasing, fair to good foliation at 40-45° to C.A.. Low sulphides in part, pyrite, pyrrhotite with some chalcopyrite occurring in altered & carbonated material.
	240.0	Anorthosite. Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low to medium grey green chlorite matrix. Negligible carbonate. Medium silica. Small scattered sheared, carbonated & chloritized sections, fair to good foliation mostly at 30° to C.A., some with minor amounts of pyrrhotite & chalcopyrite. Several small white quartz veins cut at approx. 50° to C.A.. Note:- One white quartz vein between 276.2-276.5 contains medium to high sulphides, mainly pyrrhotite with some chalcopyrite.
	288.8	
288.8		DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Low carbonate increasing to medium to high carbonate alteration toward 359.5 . Fairly massive & eventextured but becoming fairly well fractured & sheared toward 359.5', fair to good foliation from 342.0-359.5 mainly at 30° to C.A., some at 40° to C.A.. Many small white carbonate stringers & fractures, mainly barren. Small scattered white feldspar phenos. Contacts very sharp, upper badly broken, lower at 30° to C.A.
	359.5	
359.5		ANORTHOSITE - Sheared, Low Alteration. Mainly fine grained relic to complete type feldspar 85-95%. Low pale green chlorite. Low carbonate content. Small scattered white carbonate filled fractures, some containing minor pyrrhotite. Low to medium shear, good foliation fairly consistent at 40° to C.A.
	367.5	Anorthosite. Low shear, low alteration. Mainly fine grained relic type feldspar 85-95%. Low pale green chlorite. Low shear or fracturing, quite contorted in part. Small sections of low serpentinized material.
	375.2	
375.2		DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Somewhat sheared in part, fair to good foliation 35-40° to C.A.. Medium carbonate alteration. Many small white carbonate filled fractures containing negligible sulphides, pyrrhotite with some pyrite. One small Anorthosite inclusion 381.0-381.5'
	384.0	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 137

FOOTAGE		DESCRIPTION
384.0	391.4	ANORTHOSITE Fine grained relic & brecciated type feldspar 85-90%. Low pale grey green chlorite matrix. Negligible carbonate. Medium silica. Small scattered white carbonate quartz filled fractures, barren.
391.4	409.7	DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Fairly eventextured except for short finer grained contact phases. Low carbonate. Medium silica. Many small irregular carbonate filled fractures. Several white carbonate & quartz sections up to 1.0' in width, mainly barren. Contacts quite sharp, upper & lower approx. 30° to C.A.
409.7	470.8	ANORTHOSITE Fine to medium grained relic, brecciated & complete type feldspar 75-95%, fairly uniform texture throughout. Low to medium grey green chlorite matrix with some small sections containing some black type chlorite. Negligible carbonate. Medium silica. Sections containing medium amounts of mauve alteration product. Several small dyke fragments. END OF HOLE

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	1542	221.7-226.0	4.3'	TR	0.200
	1543	226.0-230.5	4.5'	TR	0.100
	1544	230.5-235.0	4.5'	TR	0.100

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 138 LOCATION 2745NW - 1522SW DATE STARTED Dec. 3rd.1956

DIP 65° LAT. DEP. DATE FINISHED Dec.13th.1956

BEARING 215° ELEVATION 73.0 Ft. LOGGED BY A.E. Oakley

DEPTH 650.0 Ft. DIP TESTS 60.5° at 300 Ft. - 58.0° at 600 Ft.

FOOTAGE		DESCRIPTION
0.0	61.8	CASING - Sand, Gravel & Boulders.
61.8		ANORTHOSITE Mainly fine grained relic type feldspar with sections of brecciated & complete type feldspar 80-95%. Low pale grey green chlorite matrix with sections of dark grey to black type chlorite which are sericitic. Negligible carbonate. Medium silica throughout. Minor sulphides, mainly pyrite with some pyrrhotite & chalcopyrite between 61.8 - 63.0 Note:- Small sheared & altered section between 142.3 & 143.0 containing much white & grey carbonate in black type chlorite replacement, medium shear with good foliation at 30-35° to C.A., minor pyrite.
	170.0	Sheared & Altered. (Fault) Dark grey to black in color. Fine grained relic altered feldspar 5-10%. Medium to high black type chlorite replacement. Medium to high carbonate alteration. Medium shear, slickensided along slip planes, could be graphitic, fair to good foliation at 40-50° to C.A.. Negligible sulphides, pyrite.
	174.0	
174.0		DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Low to medium carbonate. Contact phases brecciated & recemented. Contacts sharp, upper & lower at 50° to C.A.
	176.3	
176.3		ANORTHOSITE Fine grained relic & brecciated with sections of complete type feldspar 80-95%. Low grey green chlorite matrix. Negligible carbonate. Medium to high silica. Low shearing or fracturing in evidence, usually containing black type chlorite, fairly consistent at 30° to C.A.. Some minor sulphides, pyrite.
	283.1	
283.1		DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Low carbonate. Medium silica. Small irregular fractures, some containing minor pyrrhotite. Contacts sharp, upper broken, lower at 50° to C.A.
	285.2	
285.2		ANORTHOSITE Mainly fine grained relic to complete type feldspar 85-95% Low grey green chlorite. Low dark grey to black type chlorite in small scattered fractures. Negligible carbonate. Medium silica. Some minor sulphides, scattered disseminated pyrite. Note:- Black chlorite fractures becoming more intense from 305.0- 308.6 , fair foliation varying from 20-40° to C.A.
	308.6	Sheared & Altered. (Probable Fault) Dark grey to black in color throughout. Medium to high black chlorite replacement. Medium carbonate alteration. Medium amounts of white mica present. Medium to high shear or fracturing, foliation variable. Quite badly contorted & fractured between 310.5 & 311.5 . Many white & grey carbonate filled fractures throughout. Minor pyrite.
	314.5	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 138

FOOTAGE		DESCRIPTION
	314.5	Anorthosite. Mainly fine grained relic & complete type feldspar 80-95%. Low pale grey green chlorite matrix. Negligible carbonate. Medium silica. Low shear or fracturing suggested at 35-40° to C.A.
	354.5	Sheared & Altered. Fine grained relic feldspar in part 5%. Medium black type chlorite replacement. Low carbonate alteration. Many white & grey carbonate & quartz rich fractures & veinlets. Low to medium cubic type pyrite occurring mostly in carbonate quartz material. Medium shear, fair to good foliation at 30° to C.A.
	356.3	Anorthosite. Mainly fine grained relic to complete type feldspar 80-95%, with sections of medium to coarse brecciated type feldspar. Low pale grey green chlorite matrix. Negligible carbonate. Medium silica. Low patchy bluish alteration product. Several white quartz veinlets, barren.
		LOST CORE 396.5 - 397.0
	406.0	Sheared & Altered. Fine grained relic feldspar 5-25%. Medium to high black chlorite replacement. Medium carbonate. Low silica. Many white carbonate & quartz stringers, fractures & veinlets containing low sulphides, pyrite, pyrrhotite & some chalcopyrite. Medium shear, good foliation at 40° to C.A.
	409.4	Anorthosite. Mainly fine to medium grained relic to complete type feldspar with sections of medium grained brecciated type feldspar, 75-95%. Low pale grey green chlorite matrix. Negligible to low carbonate. Small sections of low to medium shear containing black type chlorite between 409.4-413.0 , good foliation at 35° to C.A., barren.
	431.7	
431.7		DYKE - FELDSPAR PORPHYRY Light grey in color. Fine grained. Negligible carbonate. Medium silica. Many small white feldspar phenos. Some minor pyrite in fractures. Contacts sharp, upper & lower in at 35° to C.A.
	433.2	
433.2		ANORTHOSITE As above.
	434.8	
434.8		DYKE - FELDSPAR PORPHYRY As above dyke. Contacts sharp, upper & lower at 30° C.A.
	435.9	
435.9		ANORTHOSITE Mainly fine grained relic to complete type feldspar 85-95% Low pale grey green chlorite matrix. Short sections of medium grained brecciated type feldspar. Negligible carbonate. Medium silica. Small scattered sheared sections containing black type chlorite with white carbonate stringers, fair to good foliation 20-25° to C.A.
	495.8	
495.8		DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Medium carbonate. alteration. Medium silica. Contacts sharp, upper & lower at 20° to C.A.
	499.5	
499.5		ANORTHOSITE As above.
	501.1	
501.1		DYKE - ALTERED & SHEARED GREY DIORITE TYPE Light grey in color. Fine grained. Medium carbonate

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 138

FOOTAGE	DESCRIPTION
	alteration. Medium silica. Medium shear or banding, good foliation at 60° to C.A.. Contacts very sharp, upper & lower at 70° to C.A.
504.2	
504.2	ANORTHOSITE Mainly medium grained brecciated type feldspar with sections of complete type feldspar 75-95%. Medium pale grey green chlorite matrix. Negligible carbonate. Medium silica. Low minor bluish alteration product. Becoming low sheared & low altered in part with fair to good foliation at approx. 30° to C.A. towards 541.5' .
541.4	Low Shear, Medium Alteration Zone. Fine grained relic & ghost type feldspar 30-50%. Medium pale grey green chlorite matrix. Low to high black type chlorite in part. Medium to high carbonate alteration. Many white carbonate filled fractures. Sericitic in part. Low to medium serpentinized. Low to medium shear with fair foliation, variable 50-60° to C.A.. Some minor sulphides, pyrrhotite & chalcopyrite at 542.0 LOST CORE 543.0 - 544.0 " " 554.3 - 555.0
555.3	Anorthosite. Fine to medium grained relic to complete type feldspar 70-95%. Low grey green chlorite matrix. Medium to high carbonate alteration in low sheared altered material. Small scattered white carbonate rich stringers in part. Some minor pyrite.
569.5	SHEARED & ALTERED & MINERALIZED. Low relic feldspar in part. Low altered feldspar in part. Medium dark grey to black type chlorte. Medium to high carbonate alteration. Medium sericitic. Medium to high shear, fair to good foliation variable 20-50° to C.A., most consistent between 40 & 50° to C.A.. Low to high sulphides, pyrrhotite 20-25%, pyrite 10-15%, chalcopyrite 2-4%.
584.7	Sheared but less altered, Mineralized. Fine grained relic & ghost type feldspar innerging 50-85%. Low to medium pale green grey chlorite matrix with short sections of medium to high black type chlorite. Medium carbonate decreasing. Many small white carbonate stringers & fractures mineralized with pyrite, pyrrhotite & low chalcopyrite. Medium shear decreasing, fair to good foliation in part, variable 20-50° to C.A., most consistent at 45-50° to C.A. Medium to low sulphides decreasing, pyrite, pyrrhotite & some chalcopyrite.
591.5	Anorthosite. Fine grained relic & brecciated type feldspar 65-85%. Medium dark grey chlorite matrix with sections of medium to high black type chlorite. Medium carbonate decreasing. Low shear decreasing, fair to good foliation 40-50° to C.A., medium sericitic in part. Minor sulphides, pyrrhotite with some pyrite.
600.0	Anorthosite. Fine to medium grained relic & brecciated to complete type feldspar 75-95%. Low to medium dark grey green chlorite matrix. Small scattered sections containing medium to high black type chlorite mainly in small scattered sheared sections, fair to good foliation, fairly consistent between 40 & 50° to C.A. Minor sulphides in part decreasing, mainly pyrite with some pyrrhotite. Low patchy mauve alteration product in part.
650.0	END OF HOLE.

SAMPLES ON NEXT PAGE

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 138

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	1545	554.5-556.3	1.8'	.02	
	1546	406.5-408.0	1.5'	.01	
	1547	569.5-574.0	4.5'	TR.	0.150
	1548	574.0-579.0	5.0'	TR.	0.100
	1549	579.0-582.0	3.0'	TR.	0.200
	1550	582.0-585.0	3.0'	.01	0.250
	1551	585.0-588.0	3.0'	TR.	0.100
	1552	588.0-591.5	3.5'	TR	0.050

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 139 LOCATION 2500NW - 1450SW DATE STARTED Dec. 7th.1956

DIP 55° LAT. DEP. DATE FINISHED Jan.14th.1957

BEARING 215° ELEVATION 52.5 Feet LOGGED BY A.E. Oakley

DEPTH 729.2 Ft. DIP TESTS 53° @ 300 ft. - 49° @ 600 ft. - 48° @ 729 ft.

FOOTAGE		DESCRIPTION
0.0	80.7	CASING - Sand, Gravel & Boulders
80.7	159.6	ANORTHOSITE Mainly fine grained relic type feldspar, light grey in color, 75-85%. Low to medium dark grey to black type chlorite alteration with sections of fine to medium grained brecciated type feldspar medium grey green in color. Low to medium grey green chlorite. Negligible carbonate throughout. Medium to high silica. Low shear or fracturing suggested in part. Small scattered white q. quartz veins in first 15 feet, barren. Minor sulphides, pyrite mostly in light grey fine grained material.
159.6	162.0	DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Medium carbonate. Medium silica. Small white carbonate filled fractures, some containing minor pyrite.
162.0	211.4	ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 75-85%. Medium dark grey chlorite matrix. Sections containing medium dark grey green chlorite. Minor carbonate in part. Medium to high silica. Low shear or fracturing suggested, poor foliation, approx. 50° C.A. LOST CORE 162.9 - 164.0 " " 164.8 - 167.9 " " 169.2 - 170.7 " " 204.5 - 205.6
211.4	213.6	DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Fairly massive. Medium carbonate. Medium silica. Contacts appear sharp but core badly broken.
213.6	304.0	ANORTHOSITE Tombstone type Anorthosite. Medium grained brecciated type feldspar 85-95%, fairly uniform texture. Low to medium grey green chlorite matrix. Negligible carbonate. Medium silica. Becoming somewhat finer grained towards 304.0' LOST CORE 216.7 - 219.5 Anorthosite. Mainly fine grained relic type feldspar with sections of fine to medium grained brecciated type feldspar. Low grey green chlorite with sections of dark grey to black type chlorite. Legigible to low carbonate in part. Suggested low shear or crushing, poor foliation approx. 50° to C.A. LOST CORE 334.7 - 337.0
304.0	371.6	Anorthosite. Mainly fine grained complete type feldspar 90-95%. Negligible to low pale green chlorite. Negligible to low carbonate. Medium to high silica. Fairly massive, uniform texture throughout. Low patchy bluish alteration product. Low suggested shear approx. 30° to C.A.. Note:-Between 368.0-383.5 several small black chlorite sheears containing white carbonate with minor pyrite, cut at approx. 25° to C.A.
371.6	393.7	

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 139

FOOTAGE	DESCRIPTION
393.7	DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Low green chlorite. Medium to high carbonate. Medium silica. Low shear or fracturing. Contacts sharp, upper at 40°, lower irregular. LOST CORE 395.5 - 396.0
397.1	
397.1	ANORTHOSITE Fine grained relic, brecciated & complete type feldspar 75-95%. Low to medium with sections of medium to high dark grey green chlorite. Medium carbonate in first 6 feet, decreasing. Small scattered sheared sections containing low to medium black type chlorite, usually white carbonate associated, barren. LOST CORE 415.0 - 416.2 " " 446.0 - 448.0
492.8	
492.8	DYKE - GREY DIORITE TYPE Medium grey in color. Fine grained. Fairly massive with small carbonate & quartz filled fractures, barren Negligible carbonate. Medium silica. Contacts sharp, upper at 30° to C.A., lower badly broken.
496.2	
496.2	ANORTHOSITE - Medium Shear, Low to medium Alteration Zone. Mainly fine grained relic type feldspar with sections of complete type feldspar 65-95%. Low pale grey green chlorite matrix. Low to medium with sections of medium to high dark grey to black type chlorite. Medium carbonate alteration. Medium silica. Medium shear in part, good foliation in sections variable 30-60° to C.A. but mainly at 55-60°. Many small grey diorite type dykes throughout up to 1.0' in width, some containing minor sulphides, mainly pyrrhotite with some pyrite. Many small carbonate stringers & veinlets containing some minor sulphides, pyrite with some pyrrhotite. Note:- One small carbonate veinlets between 500.0-500. contains almost massive pyrite.
515.2	Anorthosite. Fine grained relic & brecciated with sections of complete type feldspar 75-95%. Low to medium dark grey green chlorite matrix. Negligible carbonate. Medium silica. Fairly massive uniform texture.
536.4	Anorthosite. Sheared & Altered. Fine grained relic wit some brecciated type feldspar 50-70%. Low to medium grey green chlorite matrix with sections between 536.4 & 538.7 containing medium dark grey to black type chlorite. Medium carbonate alteration. Low to medium silica. Many white carbonate filled fractures & veinlets between 536.3-538.7 containing minor pyrite. Low to medium shear, fair foliation 30-45° to C.A.
544.0	Anorthosite. Fine grained relic to complete type feldspar 85-95%. Low pale grey green chlorite. Minor sulphides in small fractures, pyrite with some pyrrhotite.
547.5	Anorthosite. Sheared & Altered. Mainly fine grained relic & brecciated type feldspar 70-80%. Low pale grey green chlorite matrix. Medium to high carbonate alteration. Low silica. Sections of low to medium shear with fair foliation at 35-45° to C.A. containing dark grey to black type chlorite with some minor sulphides, pyrrhotite & chalcopyrite. Much lost core. LOST CORE 554.3-560.0 " " 562.0-563.0 " " 563.6-565.8
565.8	(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 139

FOOTAGE		DESCRIPTION
	565.8	Anorthosite. Fine to medium grained relic & brecciated type feldspar 75-85%. Medium grey green chlorite matrix. Medium carbonate in part. Medium silica. Low shear suggested in part, poor foliation. Note:- Between 593.5-595.2 milky white carbonate quartz vein with some chlorite inclusions, barren. LOST CORE 592.4 - 598.0
	646.0	Anorthosite. As above. Becoming much finer grained. Mainly fine grained relic to complete type feldspar 85-95%. Fairly massive & uniform. Small scattered low altered sections carbonated. Some minor sulphides, disseminated pyrite. LOST CORE 696.9 - 698.5
	706.5	
706.5	720.3	DYKE - FELDSPAR PORPHYRY Light grey in color. Fairly fine grained. Medium carbonate. Medium silica. Many small white feldspar phenos throughout. Contacts chilled, much finer grained but very sharp, upper & lower at 40° to C.A.
720.3	725.6	ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 80-95%. Low pale grey green chlorite matrix. Low carbonate. Medium silica. Fairly uniform texture.
725.6	729.2	DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Contact phase chilled. Medium carbonate. Upper contact sharp but brecciated. END OF HOLE

NO SAMPLES

DIAMOND DRILL LOG

OBALSKI (1946) LIMITED

HOLE NO. 140 LOCATION 3000NW - 1580SW DATE STARTED Dec. ,1956

DIP 65° LAT. DEP. DATE FINISHED Jan.14th.1957

BEARING 215° ELEVATION LOGGED BY A.E. Oakley

DEPTH 622.5 Ft. DIP TESTS 60° @ 300 ft. - 55° @ 600 ft

FOOTAGE		DESCRIPTION
0.0	50.0	CASING - Sand, Gravel & Boulders.
50.0	57.2	ANORTHOSITE Fine grained relic & brecciated type feldspar 75-80%. Low dark grey to black type chlorite. Minor carbonate. Medium silica.. Small scattered rusted water seams.
57.2	61.2	DYKE - GREY DIORITE TYPE Medium grey in color. Fine grained. Low carbonate content. Low silica. Minor sulphides mainly in contact phases. Contacts sharp, upper at 45° to C.A., lower badly broken.
61.2	83.2	ANORTHOSITE Fine grained relic & brecciated to complete type feldspar 80-95%. Minor pale green chlorite. Low to medium amounts of black type chlorite occurring in small fractures. Negligible carbonate. Low silica. Medium sulphides between 81.0-82.2 mainly pyrrhotite with some pyrite. Note:- At 81.4 small siliceous veinlet containing 20% chalcopyrite.
83.2	86.5	DYKE - GREY DIORITE TYPE - MINERALIZED Medium to dark grey in color. Fine grained. Negligible carbonate. Medium silica. Medium fine grained sulphides, pyrrhotite & pyrite with appreciable amount of chalcopyrite. Contacts sharp but badly broken.
86.5	93.5	ANORTHOSITE Fine grained relic & brecciated type feldspar 80-95%. Low pale grey green chlorite matrix. Low dark grey to black type chlorite occurring in small fractures. Medium to high silica in part, particularly in dyke contacts. Note:- Between 86.5-87.5 appreciable amounts of chalcopyrite & pyrite occurring along small fractures.
93.5	101.0	DYKE - GREY DIORITE TYPE - MINERALIZED Medium to light grey in color. Fine grained. Negligible carbonate except in small scattered fractures. Medium silica. Low to medium sulphides, pyrrhotite & some chalcopyrite occurring in small fractures. Contacts sharp, upper at 45° to C.A., lower at 35° to C.A.
101.0	132.5	ANORTHOSITE Fine grained relic type feldspar 80-95%. Low pale green chlorite matrix. Patchy sections containing low black type chlorite. Low sericitic in part. Low patchy bluish alteration product. Negligible carbonate. Medium silica. Low shear indicated, poor foliation. Small scattered white quartz veinlets, some containing pyrrhotite. As above. Decreasing amount of green chlorite, increasing amount of black chlorite. Low carbonate increasing. Shear becoming more intense, poor foliation. Minor sulphides in part, pyrite.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 140

FOOTAGE	DESCRIPTION
146.5	Anorthosite. Sheared, Altered & Mineralized. Fine Grained relic feldspar. Low carbonate. Low pale grey green chlorite in part. Medium to high black chlorite replacement from 149.8-154.9. Low to medium shear, good foliation, fairly consistent at 40° to C.A.. Low sulphides, mainly pyrrhotite with some pyrite. Many small carbonate quartz rich fractures. Note:- Between 151.2-152.7 carbonate quartz rich vein containing medium amounts of chalcopyrite & pyrrhotite with some pyrite.
154.9	Anorthosite. Fine to medium grained relic & brecciated type feldspar with sections of complete type feldspar 75-95%. Low pale grey green chlorite matrix. Small scattered sheared sections containing medium to high black type chlorite with minor amounts of carbonate quartz material, mostly fair to good foliation at approx. 45° to C.A.. Note:- Between 231.0-232.0 some light fracturing in at 10° to C.A.
232.6	
232.6	DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Medium carbonate. Many small irregular carbonate quartz rich fractures. Contacts sharp, upper 25°, lower 40° to C.A.
236.4	
236.4	ANORTHOSITE Fine to medium grained relic & brecciated type feldspar with sections of complete type feldspar 80-95%. Low to medium pale grey green chlorite matrix. Low carbonate. Medium silica in part. Several small scattered low sheared sections containing black type chlorite & carbonate quartz rich material, fairly consistent at 40-45° to C.A.
315.0	Anorthosite. Sheared & Altered. Mainly fine grained relic with sections of complete type feldspar 70-95%. Low pale grey green chlorite matrix. Low to medium with sections of high black type chlorite replacement. Medium carbonate except in complete type feldspar. Low to medium shear, fair to good foliation, fairly consistent at 40° to C.A.. Low to medium amounts of quartz rich material occurring mainly in high black chlorite replacement. Low sulphides in part, mainly pyrite with some fractures containing pyrrhotite & chalcopyrite.
350.0	Anorthosite. As above. Shear becoming less intense but still noticeable at 45-50° to C.A.. Minor to low sulphides, pyrite with some pyrrhotite & chalcopyrite. Low shearing between 422.0-424.2 in at approx. 30° C.A.
424.2	
424.2	DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Medium carbonate. Medium silica. Small scattered carbonate filled fractures with minor sulphides, pyrite. Contacts sharp, upper at 25°, lower badly broken.
426.7	
426.7	ANORTHOSITE Fine grained relic & brecciated with sections of complete type feldspar 80-95%. Low pale grey green chlorite matrix, with small scattered sheared sections fairly consistent at approx. 35° to C.A. containing medium to high black type chlorite. Negligible carbonate except in small sheared sections. Minor sulphides in part, mainly disseminated pyrite.
462.2	Anorthosite. Sheared, Altered & Mineralized. Fine grained relic feldspar coalescing. Low to medium black type chlorite increasing. Medium to high carbonate content. Medium to high silica content. Negligible sulphides,

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 140

FOOTAGE	DESCRIPTION
	disseminated pyrite. Medium shear, fair to good foliation at 40° to C.A.
467.0	Quartz Vein Mineralized. Blue grey in color. Small scattered carbonate filled fractures. Medium sulphides, mainly chalcopyrite with some pyrrhotite.
474.6	Anorthosite. Sheared, Altered & Mineralized. Fine grained relic & ghost type feldspar emerging. Medium dark grey green chlorite. Medium to high carbonate. Low silica. Many small carbonate & quartz stringers & fractures. Medium shear, fair to good foliation at approx. 40-45° to C.A.. Low to medium sulphides, chalcopyrite & pyrrhotite occurring mostly in carbonate quartz rich material. Mineralization gradually weakening towards 484.5
484.5	
484.5	DYKE - GREY DIORITE TYPE Medium grey in color. Fine grained. Medium carbonate. Medium silica. Small irregular carbonate filled fractures, mostly barren. Contacts very sharp, upper at 80° to C.A., lower at 60° to C.A.
487.1	
487.1	ANORTHOSITE Fine to medium grained relic & brecciated with sections of complete type feldspar. Low pale grey green chlorite matrix. Low carbonate content. Medium silica. Low shear or fracturing indicated. Note:- Several small scattered grey diorite type dykes. Low patchy bluish alteration product.
513.9	
513.9	DYKE - GREY DIORITE TYPE - MINERALIZED. Light grey in color. Fine grained. Medium to high carbonate content. Medium silica. Many small irregular carbonate quartz filled fractures. Low sulphides, pyrrhotite with some chalcopyrite. Medium sheared in part. Much bluish & white carbonated material throughout Contacts sharp, upper brecciated, lower at 60° to C.A. Note:- Several Anorthosite inclusions throughout which are sheared with fair to good foliation at approx. 40° to C.A.
530.1	
530.1	ANORTHOSITE Fine to medium grained relic & brecciated type feldspar 75-85%. Low to medium dark grey green chlorite matrix. Medium carbonate content. Medium silica. Low shear indicated in part 35-45° to C.A. Note:- From 548.0-556.0 several patches of mauve type alteration product.
593.9	
593.9	DYKE - GREY DIORITE TYPE Light grey in color. Fine grained. Medium carbonate. Many irregular carbonate filled fractures. Minor sulphides, pyrrhotite. Contacts sharp, upper & lower at 25° to C.A.
596.4	
596.4	ANORTHOSITE As above.
599.3	
599.3	DYKE - GREY GREEN DIORITE Light grey green in color. Fine grained. Medium carbonate in upper contact phase. Medium silica. Many

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 140

FOOTAGE	DESCRIPTION
	small white carbonate filled fractures. Upper contact sharp but irregular, approx. 40° to C.A.. Negligible sulphides.
622.5	END OF HOLE

ASSAY RETURNS

Sample No.	Lab. No.	Footage	Width	Au.	Cu.
1553	RR 286 ~~G.G. 620~~	81.0-83.2	2.2'	Tr	0.450
1554	RR 287 ~~621~~	83.2-87.5	4.3'	Tr	0.250
1555	RR 288 ~~622~~	93.5-96.5	3.0'	Tr	0.250
1556	RR 289 ~~623~~	151.0-153.0	2.0'	.01	0.400
1557	RR 290 ~~624~~	462.2-467.0	4.8'	.02	–
1558	RR 291	467.0-468.8	1.8'	.02	–
1559	RR 292	468.8-470.0	1.2'	Tr	2.600
1560	RR 293	470.0-471.9	1.9'	.02	0.700
1561	RR 294	471.9-474.6	2.7'	Tr	0.100
1562	RR 295	474.6-476.5	1.9'	Tr	0.250
1563	RR 296	476.5-481.5	5.0'	.01	0.050