GM 05110-B

59 DDH LOGS



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OBALSKI TWP.

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

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

1956.

QUEBEC DEPARTMENT OF MINES
MAR 29 1957
MINERAL DEPOSITS BRANCH
10 GM- 5/10-B

DIAMOND DEILL LOG

1

PAGE #1

* *

OBALSKI (1945) LIMITED

HOLE NO.	#78	LOCATION 2745NW - 15255W	DATE STARTED	Aug. 2nd, 1956
DIP	45 ⁰	LATDEF	DATE FINISHED	Aug. 8th, 1956
BEA RING	1800	ELEVATION	LOGGED BY	A.E. Oakley
DEPTH	663.5 Pt.	DIP TESTS 45° at 100 Ft. 36°30' at 469	- 42°30' at 25 Ft 38° at 60	O Ft. O Ft.

B	OOTAGE	DESCRIPTION
0.0	60.0	CASING - Sand, Gravel & Boulders.
60.0	85.0	CORE MISSING (From old hole)
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	
	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	
	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		A NORTHOSITE Medium grained brecciated type feldspar 75-80%. Low grey green chlorite matrix. Negligible carbonate. Medium silica. Low patchy bluish alteration product.
	228.6	
	279.0	

(CONTINUED)

* PAGE #2

DIAMOND DRILL LOG

OBALSKI (1945) Limited

	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.		
	400.0	Negligible sulphides, mainly disseminated pyrite. Small scattered sections of almost complete type feldspar. 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. <u>Mineralized Fracture Zone</u> . 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 &		
	465.0	pyrrhotite. Some white mice in evidence. Note:- 432.0-434.0 Grey diorite dyke fairly well fractured containing low to medium sulphides, mainly chalcopyrite with some pyrite & pyrrhotite. Anorthesite. 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 & breccisted, lewer core badly broken.		
	585.7	LOST CORE 575.0-576.5		
585.7		ANORTHOSITE Fine to medium grained brecciated to complete type feldspar 70-85%. Low pale grey green & green chlorite		

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

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.
	000.0	
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		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	Seems to be approximatery bo to care, rower proken.
614.3		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	Calbourses margital permont ofier a offer
618.5		<u>DYKE - Grey Green Diorite</u> Medium grey green in color. Fine grained. Massive. Low chlorite in part. Medium carbonate throughout. Much fine grained speckling probably quarts & 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	
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		DYKE - Grey Green Diorite
		Medium grey green in color. Fine grained. Massive. Makin 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.
	663.5	END OF HOLE
Lab. No.	Sample No.	ASSAY RETURNS Footage Width Au. Cu.
	#1494	425.0-429.8 4.8 .01 1.000
×28	#237	429.8-431.3 1.5' Tr. 0.810 -014 au (Duce 10'
429	#238	431.3-434.0 2.7' .04 1.485
	#239	434.0-435.0 1.0' .04 2.610 300 300 300 300 300 300 300 300 300 3
430	The second states	
	# 100 /495 #240	460.6-461.2 0.6' .03 3.465
430		

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	88	LOCATION 4400NW - 2	850SW DATE STARTED	Feb.12th,1956
DIP	45 ⁰	LAT. DEP.	DATE FINISHED	Feb.18th,1956
BEARING	2150	ELEVATION	LOGGED BY	G.G. Caron
DEPTH	607.0 Ft.	DIP TESTS	and the second secon	

0.0 S1.0 GANERS S1.0 GANERS GANERS S1.0 ADD DIME GANERS S1.3.4 ADD DIME S1.3.4 ADD DIME S1.3.4 ADD DIME S1.3.4 GANERS CALCONNER S1.3.5 GANERS CALCONNER S1.0 GANERS CALCONNER S1.0 GANERS CALCONNER S25.0 GANERS CALCONNER Contract - with chartized breacted rock - possibly minor horizon of pyrotite clastic - disseminated mineralization throughout rest of box chalcopyrite, pyrrhotite. S25.0 GANERS CALCONNER S26.0 Contract - with chartized breacted rock - possibly minor horizon of pyrotite clastic - disseminated mineralization throughout rest of box chalcopyrite, pyrrhotite. S21.0 Contract - with chartized breacting calconner S21.0 Contract - with chartized in places, out by grey allitic dytes about 1 foot wide st 243 and 245.41.41.51 S21.0 Contract production the clast of add conyrite, minor charconner straded with quartz voins. S21.0 S01.0 S201.0 S01.0 <t< th=""><th>3</th><th>OOTACE</th><th>DESCRIPTION</th></t<>	3	OOTACE	DESCRIPTION
 The arting elicitorsides. St.8' speck of chaloopyrite. Anorthosite out by gabbyo dykes. Transitional contacts. 133.4 ACTO DYNE Note leuconene. 135.3 136.3 136.4 141.0 141.0 144.3 TABLE FORTHONY Anorthosite hybrid. Speck of chaloopyrite at 147'. 150.0 225.0 226.0 227.0 231.0 231.0	0.0	91.0	CASING
 133.4 ACTO DYNE Note leuconene. 136.3 	91.0		Shearing slickensides. 95.8' speck of chalcopyrite.
Tote leuconene. 136.3 136.3 136.3 141.0 141.0 144.3 BASIC FORTHORY Anorthosite hybrid. Speck of chalcopyrite at 147'. 150.0 225.0 PALE GREY AFORTHOSIAN Contact - with chloritized breectated rock - possibly minor horizon of pyrotite clastic - disseminated mineralization throughout rest of box chalcopyrite, pyrmhotite. 241.0 241.0 GREY AVORTHOSIAN Dissibility for phyritic in places, out by grey splittle dytes about 1 foot wide at 240' and 248.4'. This section is also dissoninated with chalcopyrite and pyrmhotite throughout less than 10.4 to the out at 241.0 241.0 Some WHITE ANORTHOSIAN Dissonal at the stops at 240.5' 261.0 270.2 Dissonal ANORTHOSIAN Dissonal at the stops at 240.5' 261.0 270.2 Dissonal ANORTHOSIAN Dissonal at the stops at 240.5' 261.0 270.2 Dissonal ANORTHOSIAN Dissonal at the stops at 240.5' 261.0 270.2 Dissonal ANORTHOSIAN Dissonal at the stop prive, pyrite, some chalcopyrite, dissonal at the stop prive, pyrite, some chalcopyrite, dissonal at the stop prive, some chalcopyrite, dissonal at the stop prite, dissonated disson the stop prive, dissonal at the stop prite,		133.4	
 136.5 ADDRIVESTAR Gabbro hybrid. 141.0 ADDRO DIAGANIC 144.3 BASIG FORTHYNY Anorthosite hybrid. Speck of chalcopyrite at 147'. 150.0 BASIG FORTHYNY Anorthosite hybrid. Speck of chalcopyrite at 147'. 150.0 BASIG ANORTHOSIAN HYBRID 225.0 Frank GREY ADDRIHOSIAN HYBRID 225.0 Frank GREY ADDRIHOSIAN HYBRID 225.0 Contact - with chloritised breeciated rock - Possibly minor horizen of pyrotite clastic - disseminated mineralization throughout rest of box chalcopyrite, pyrrhotite. At 241' - 5" of massive pyrrhotite, minor chalcopyrite, 241.0 GREY ADDRIHOSIAN Shightly porphyrific in places, out by grey aplitic dyles about 1 foot wide at 243' and 248.4'. This section is also disseminated with chalcopyrite and pyrrhotite throughout less than 1.0. Lost mineralization septers to have been infruded with quartz veins. Wineralization stops at 240.5' 261.0 SOME WITTE ADDRIHOSITE Hinor chalcopyrite, pyrrhotite & pyrite mineralization, less then .5% At 291' - 1" messive pyrite, some chalcopyrite. This horizon is a chloritized altered Anorthosite. 305.2-317.2 Dissemineted mineralization.Chalcopyrite, 505.2-317.2 Dissemineted mineralization.Chalcopyrite, 505.2-317.2 Dissemineted mineralization.Chalcopyrite, 526.0 pyrrhotite less than .5% 	133.4	1 76 7	
Gabbrochybrid. 141.0 141.0 144.3 PASID PORTNAY Anorthosite hybrid. Speck of chalcopyrite at 147'. 150.0 225.0 PART ONEY ANORTHOSITE HYDRID 225.0 PART ONEY ANORTHOSITE PART ONEY ANORTHOSITE PART ONE ANORTHOSITE PART ONE ANORTHOSITE 241.0 CHEVY ANORTHOSITE 241.0 CHEVY ANORTHOSITE PART ON ANORTHOSITE S41.0 CHEVY ANORTHOSITE Minor cheleopyrite, pyrrhotit	136.3	TOOBO	ANORTHOSITE
 144.3 144.3 144.3 150.0 225.0 225.0 225.0 225.0 225.0 225.0 225.0 225.0 241.0 241.0 241.0 241.0 251.0 261.0 270.2 270.2 270.2 270.2 270.2 270.2 270.2 270.3 270.4 270.4 270.5 270.5 270.6 270.6 270.7 201.0 270.8 270.9 270.9 270.9 270.9 270.1 270.1 270.2 270.2 270.2 270.2 270.3 270.4 270.4 270.5 270.5 270.6 270.6 270.7 201.0 270.8 270.9 <	10000	141.0	
Anorthogite hybrid. Speck of chalcopyrite at 147'. 150.0 9.25.0 2261.0 2261.0 2261.0<	141.0	144.3	GABBRO DIABASIC
 150.0 <u>AADDRO ANORTHOSITE HYDRID</u> 225.0 <u>PALE CHEY ANORTHOSITE</u> 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 <u>CHEY ANORTHOSITE</u> Slightly porphyritic in places, cut by grey aplitic dykes about 1 foct wide at 243' and 248.4'. This section is also disseminated with chalcopyrite and pyrrhotite throughout less than 1%. Lost mineralization appears to have been intruded with quartz veins. Mineralization stops at 240.5' 261.0 <u>SOME WHITE ANORTHOSITE</u> Minor chalcopyrite, pyrrhotite & pyrite mineralization, less than .5% At 201' - 1" massive pyrite, some chalcopyrite. This horizon is a chloritized altered Anorthosite. S19.4 contact gradational. Light Anorthosite. S26.0 pyrrhotite less than .5% 326.0 <u>ALTERED ANORTHOSITE</u> Minor disseminated mineralization.Chalcopyrite, S26.0 	144.3	150.0	BASIC PORPHYRY Anorthosite hybrid. Speck of chalcopyrite at 147'.
Contact - with chloritized brecciated rock - possibly minor horizon of pyrotite clastic - disseminated mineralization throughout rest of box chalcopyrite, pyrrhotite. 241.0 251.0 251.0 270.2	150.0		GABBRO ANORTHOSITE HYBRID
 241.0 <u>GREY ANORTHOSTER</u> 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 1/0. Nost mineralization appears to have been intruded with quartz veins. Mineralization stops at 240.5' 261.0 <u>SOME WHITE ANORTHOSTER</u> 270.2 <u>DIECCIATED ZONE</u> Minor chalcopyrite, pyrrhotite & pyrite mineralization, less than .5% At 291' - 1" massive pyrite, some chalcopyrite. This horizon is a chloritized altered Anorthosite. 306.2-317.2 Disseminated mineralization.Chalcopyrite, 326.0 <u>ALTENED ANORTHOSTER</u> Minor disseminated chalcopyrite throughout - less than . 	225.0		Contact - with chloritized brecciated rock - possibly minor horizon of pyrotite clastic - disseminated mineralization throughout rest of box chalcopyrite, pyrrhotite.
 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%. Nost mineralization appears to have been intruded with quartz veins. Mineralization stops at 249.5' 261.0 261.0 270.2 <u>BNECCIATED ZONE</u> 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. 326.0 <u>ALTERED ANORTHOSITE</u> Winor disseminated chalcopyrite throughout - less than .5% 	0.17	241.0	
 261.0 261.0 270.2 270.2 <u>DIFFICUATED ZONE</u> 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 <u>ALTERED ANORTHOSITE</u> Minor disseminated chalcopyrite throughout - less than .5 	241.0		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.
 270.2 <u>BRECCIATED ZONE</u> 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, 326.0 <u>ALTERED ANORTHOSITE</u> Minor disseminated chalcopyrite throughout - less than .5% 		261.0	
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,326.0ALTERED ANORTHOSITEMinor disseminated chalcopyrite throughout - less than .5%	261.0	270.2	SOME WHITE ANORTHOSITE
Minor disseminated chalcopyrite throughout - less than .	270.2	326.0	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,
	326.0	337.5	ALTERED ANORTHOSITE Minor disseminated chalcopyrite throughout - less than .5

(CONFINUED)

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
JUU + U		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 minetalized with pyrrhotite in inch section - specks of chalcopyrite.
	400.0	Sheews of constrably riges
400.0		POSSIBLE DIORITE DYKE
400.0		Grey - fine grained - sericitized.
	406.5	A LAN SCIPAL STATE
40 6. 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	427.0	MEDIUM - FINE GRAINED DIORITE Contact. Note chilled edge on diorite - very similar to minor dykes.
1017 0		A TYON WITCOUT THE
427.0	437.2	ANORTHOSITE Blue alteration spots. No mineralization.
437.2		PORPHYRY DYKE
	441.5	Excellent horizon for measuring minor movements.
	<u>44⊥</u> ∎0	
441.5		ANORTHOSITE Sparse mineralization from 447 .
	450.2	Dayse mineralization from 441 .
450.2		SERICITIZED DYKE - DIORITIC
	454.0	
454.0		ANORTHOSITE ALTERED 464°, ineralized chalcopyrite, pyrrhotite sparse.
	475.0	
475.0	484.0	AHOR PHOST TE
484.0		ALTERED ANOR THOSI TE
	489.0	488' - 4" pyrrhotite 1% specks of chalcopyrite.
489.0	494.6	AMORTHOSITE GREY
494.6	10 10 0	DIORITE DYKE

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LINITED

HOLE NO. 88

F(OTAGE	DESCRIPTION
497.3	543.5	<u>ANORTHOSITE</u> 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' (12"), speck of chalcopyrite at 562'.
575.0	575.5	<u>4" QUARTZ VEIN</u>
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

ASSAY RETURNS

Lab. No.	Sample No.	Footage	Width	Au	<u> </u>
	1391	236,3-241.4	5.1	. Ol	0.100
	1392	450.2-454.0	3.81	.01	0.450



		OBALSKI (1945) LIMITED
HOLE NO.	90	LOCATION 2600MW - 2700SW DATE STARTED February 1986
T	450	LAT. DEP. DATE FINISHED February 1956
EARING	21.50	ELEVATIONLake LOCKED BY
DEP TH	50.0 Ft.	DIP TESTS No Tests Taken

0.0

50.0 CASING - Water, Sand & Gravel

NOTE: - Hole was lost before bedrock was encountered.



DIAMOND DRILL LOG

PAGE NO. 1

1

OBALSKT (1945) LIMITED

HOLE NO.	90 A	LOCATION 2600NW - 2700SW	DATE STARTED	Feb. 23rd,1956
DIP	45 ⁰	LAT. DEP.	DATE FINISHED	Mar. 2nd, 1956
BEARING	2150	ELEVATION 0.0'	LOGGED BY	R. B. Graham
DEPTH	520.0 Ft.	DIP TESIS		

FOOTAC	Æ	DESCRIPTION
.0	81.0	CASING - 25 feet water - 56 feet overburden.
31.0	115.6	ANORTHOSITE BRECCIA Some bluish grey matrix in the top 2 feet, remainder green chlorite and buff carbonate matrix.
15,6	135,8	GREY QUARTZ DIORITE DYKE Upper & Lower contacts ground.
35.8	139.0	ANORTHOSITE Replaced by sericite and some chlorite.
.39.0	189.0	ANORTHOSITE BRECCIA
.89.0		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.
36.0	236.0 317.0	ANORTHOSITE BRECCIA 260.5-261.0 Grey quartz diorite dyke.
17.0	321.0	CREY FELDSPAR PORPHYRY DYKE Contacts ground.
21.0	398.0	ANORTHOSITE BRECCIA 335.0-342.0 Patches of black chlorite alteration.
98.0	403.0	DARK GREY MASSIVE JUARTZ DIORITE DYKE
.03.0	447.0	ANORTHOUTTE BLECCIA Becomes 35% chlorite matrix towards end of section.
47.0	451.0	ANORTHOSITE BRECCIA Replaced by chlorite, sericite and silica.
51.0	456.0	ANORTHOSITE BRECCIA
56.0	458,5	GREY FELDSPAR PORPHYRY DYKE

DIAMOID DRILL LOG

OBALSKI (1945) LIMITED

HOLIS NO. 90

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

NO SAMPLES



DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	89	LOCATION	470011W -	2690 SW	DATE STARTED	Feb.	16th,1956
DIP	550	LAT.	DEP.		DATE FINISHED	Feb.	23rd,1956
BEARING	215 ⁰	ELEVATION			LOGGED BY	R.B.	Graham
DEP TH	592.6 Ft.	DTP LESTS					

	FOOTAGE	DESCRIPTION
0.0	56.0	CASING
56.0		ANORTHOSITE BRECCIA With white massive phases. Matrix of breccia is greenish chlorite with some scattered luccomene.
	312.0	156.3-226.7 black chlorite peplacement in sections up to 3 feet. These contain pyrrhotite with chalcopyrite estimated at less than 0.5% copper.
312.0	324.7	GREEN DIORITE DYNE Upper and lower contact dip at 50° to core axis.
324.7	466.0	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	499.5	GREEN DIORITE DYKE Contacts dip at 60° to core axis.
499.5	585.0	ANORTHOSITE BRECCIA Mottled black chloritic replacement. 540.0-545.0 pyrrhotite and chalcopyrite. Less than 0.5% copper.
585.0		<u>CREEN DIORITE DYKE</u> Upper contact at 40° to C.A. END OF HOLE
		ASSAY RETURNS
Lab. No	Sample	e No. Footage Width Au. Cu.

Lab. No.	Sample No.	Footage	Width	_Au.	<u>Cu</u> .
	1387	162.0-165.0	3.0'	.01	0.05
	1386	540.0-545.0	5.01	.01	0.15%



PAGE	NO. 1		
		DIAMOND DRILL LOG	
		OBALSKI (1945) LIMITEI	
HOLE NO.	91	LOCATION <u>4460NW - 2875SW</u>	DATE STARTED Feb. 24th, 1956
DIP	45 ⁰	LAT. DEP.	DATE FINISHED Feb. 28th,1956
BEARING	2150	ELEVATION	LOGGED BY R.B. Graham
DEP TH	237.0 Et.	DIP TESTS	
FO	OTAGE	DESCRIP TIC	DN
0.0	58 . 2	CASING - 22.01 Water - 36.21	Overburden
58.2		ANORTHOSITE BRECCIA Freen chlorite matrix.	
69.0		REY QUARTZ DIORITE DYKE Ipper contact dips at 90° to lips at 60° to core axisé	o core axis. Lower contact
78.8	(]]] [[] []	rein in the surface showing. 15.0-118.0 Grey quartz dior ground. Lower contact dips a	veinlets. with milky quartz veinlets an expression of the quartz wite dyke. Upper contact at 60° to core axis. Wyrrhotite 10% and chalcopyrit
128.5	V	MITE ANORTHOSITE BRECCIA With a few patches up to 6 i Chlorite replacement to 143.	nches long of black O'.
215.0		REEN DIORITE DYKE Ipper contact ground IND OF HOLE.	D.

					1.10	14	10	Tend .		S.	1	11
A	S	S	A	Y	R		T	U	R	N	S	12

Lab. No.	Sample No.	Footage	Width	Au.	Cu.
	1388	78.6-83.6	5.01	.01	0.050
	1389	83.6-88.6	5.01	.01	0.050
. San an a	1390	95.0-100.0	5.01	-01	0.050



73 40	RC1 93	100 1	**
1 20	215 36	1.1.	8
And the second second	And so it is not the owner.	and the second second	100

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	92	LOCATION 4300NW - 3250SW DATE STARTED March 1958
DP	450	LAT. DEP. DATE FINISHED March 1956
BEARING	35 ⁰	HLEVATION Lake LOGED BY
DEP TH	120.0 Ft.	DIP TESTS None taken.
FO	OTAGE	DESCRIP TION
0.0	120.0	ASING - Water, Sand & Gravel.

NOTE: - This hole was lost before reaching bedrock.





PA	0 <u>2 /</u> 1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	<u>∦92∆</u> 45 ⁰	LOCATION 4700NE - 28558W DATE STARTED Mar. 6th, 1956
BEARING	2100	LAT. DEP. DATE FINISHED Mar. 12th, 1956 ELEVATION LOGGED BY A.E. Oakley
DEPTH	600.0 Pt.	
	POOTAGE	Desc ription
0.0	46.0	CASING - Sund & Gravel.
46.0	44 Q) • U	法 整整点 20mB指型 24,23,30 mB 105
40+0		ANORTHOSITE Light in color. Fine grained. Low chlorite. Nedium to high silica. Relic to complete type feldspar 95%.
	46.6	
46.6		<u>DYKE</u> - Fine grained Quarts Diorite. Medium gray in color. Fine grained. Massive. Low chlorite. Low carbonate. Medium silica. Much fine grained quarts & feldspar speckling throughout. Sharp chilled contacts at 45° to C.A Small irregular carbonate filled fractures. One rusted quarts stringer at 55.5
	56.1	Ana tustan dustes petricat at 20.0
56.1	68.7	ABORTHOSITE Fine to medium grained. Low elteration. Light greyish green in color. Low chlorite. Medium carbonate alteration. Hedium silica. Medium fracturing to low shear. Small sections containing black type chlorite. Hainly relic type feldspar 70-80%. Several small Acid type Dyke with one medium sized one between 63.0-65.0 Anorthosite. Sheared Alteration fone. Dark grey to black in color. Fine grained. Medium to high black chlorite. Medium carbonate. Low silica. Low tonmedium shear, fair feldspar, altered in part 30-40%. Many small white carbonate & quartz stringers & fractures, some containing negligible to low amounts of sulphides, pyrrhotite & negligible chalcopyrite.
-	ULSA	menter water at the set of manufacture at a set of
81.2	128.6	DYKE - Intermediate to Acid. Quartz Diorite. Medium gray 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		ABORTHOBITS
		Light greenish to white in color. Fine grained. Regligible chlorite. Regligible carbonate. Medium to high silica. Mainly complete type feldspar 95%. Patchy brownish alteration product.
	132.6	anterneran hanner
132.6		DYKE - Acid. Fine grained quarts Diorite. Fine grained. Light grey in color. Massive. Megligible chlorite. Medlum carbonate. Medium silica. Much fine grained quarts & feldspar speckling throughout. Small scattered carbonate & quarts stringers & fractures. Sharp chilled contacts but core broken.
and the second	137.8	
137.2	- 1975	AMORTHOSITE Light greyish green in color. Fine grained. Low chlorite, Light greenish to black type. Begligible carbonate. Medium silica. Low patchy brownish alteration product, leucoxene.

DIAMOND DRILL LOG

OBALSKI (1945) LINITED

1

HOLN NO. #92A

	FOOTAGR	DESCRIPTION
	151.8	Small sections low shear containing black type chlorite & small carbonate stringers, barren.
151.8		DYKE - Acid Type. Light grey in color. Fine grained. Negligible Carbonate. Nedium silica. Low shear or fracturing at 45° to C.A
	1. A. B.	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. Soattered 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 alteratio
		product.
	238.2	LOST CORE 173.3-180.0 Anorthosito. 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
	277.2	alteration product, leucoxens.
-		
277 • 2		DYKE - Acid Type. Light grey in color. Fine grained. Messive. Medium carbonate. Medium silica. Fine grained carbonate speckling throughout. Irregular white carbonate filled fractures. Contacts sharp at 40° to C.A.
	279.8	Concacts sharp at 40 to C.A.
279.8		ANORTHOBITE
61760		Light in color. Negligible chlorite. Negligible carbonate. Medium to high silica. Relic to complete type feldspar 85% White quartz carbonate filled fractures. LOST CORM. 261.6-283.2
	285.2	TARY ORAN TOTOLOGY
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
	897.8	
297.8		ANORTHOSITE Light in color. Fine grained. Negligible chlorite. Negligible carbonate. Medium to high silica. Mainly
		complete type feldspar. 95%. Some brownish to manve alteration product.
	299.9	arearenow broaders
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	1 - 1 - T	ANORTHOSITE
1) e		Light in color. Fine grained.Low chloriteein part. Negligible carbonate. Medium to high silica. Mainly complete type foldspar 95%.
	306.5	

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLM 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	
808.2		ARORTHOSITE Light in color. Low chlorite, greenish grey type. Negligibl carbonate. Medium to high silics. 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 quarts feldspar speckling throughout. Sharp chilled sontacts at 50° to C.A.
	317.3	
817.3		ABORTHO3173 Light in color. Fine grained. Massive. Regligible chlorite. Low carbonate. Medium to high silica. Mainly complete it type feldspar 95%. Regligible sulphides, one small bleb of chalcopyrite at 519.2 & 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.
4	325.3	
325.3		ANORTHOSITE Light gray in colos. Fine grained. Low chlorite, grayish type. Low carbonate. Medium to high silica. Mainly relic type feldspar 80-90%.
	328.8	
328.8		<u>DYKE</u> - Acid Type. Feldspar Porphyry in part. Light grey in color. Fine grained. Messive. Medium carbonate. Fine grained bluish quartz speckling. Several inclusions of Anorthosite up to 1.0'. Fine grained chilled contacts 55-45° to C.A.
	342.7	
342.7		ANORTHOSITE - ALTERATION ZONZ. Light grey ro black in color. Fine grained. Low to medium chlorite, black type in small sections throughout. Hedium carbonate alteration. Medium silica. Fine grained relic
	380.0	feldspar 85%. Scattered irregular white quartz & carbonate fractures & veinlets, some containing white mica in contacts & inclusions, barren.
380.0		DYLE - Acid Type. Feldspar Forphyry. Light greenish grey in color. Fine grained. Negligible chlorite. Negligible carbonate. Medium silica. Many small white feldspar phonos. White carbonate quarts filled fractures. Sharp chilled contacts but core badly broken, possibly at 45° to C.A.
	384.5	

PAGE /4

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLT NO. #92A

🗲 i konstanta ana ana kala na fis	POOTAGE		DESCRIPTI	.ON	neerat a same a	
884. 5		ANORTHOSITE - ALTE Light gray to black chlorite, black ty carbonate alteration relic feldspar 85- product.	k in color po in smal on. Medium	. Fine 1 section to high	ons through silica.	hout. Medium Fine grained
	439.6					
439.6	440.7	DYKE - Acid Type. Light greenish gree Carbonate. Medium i Sharp chilled conte Carbonate filled f	y in color ailica. A acts at 55	few sma	grained. M 11 feldspa	r phenos. 3
440.7		ANORTHOSITE - ALTE	RATION 201			
	486.5	Becoming slightly small sections black Medium silica. Fin- feldspar 80-85%. Sh	larker in sk chlorit s to mediu nall scatt	color. e. Low m grain ered se	Low greeni to medium ed relic & ctions low	sh chlorite, carbonate. brecciated shear,
		containing white ca fair foliation at 1	50° to C.A	• Quarts	stringers :	at 508.3
	518.4	contains low pyrrh	stite.			
518.4	529.6	DYRE - Acid Type. Light grey in color Medium silica. Much throughout, probabl carbonate quartz s contacts at 55° to	r. Fine gr 1 fine gra Ly altered tringers &	ained. insd ca feldep	Nassive. M rbonate sp ar. Irregu	eckling lar white
529.6	538.0	Low to medium black	in color. alterati . Fino 52 538.0 . E rbonate ri ation Zone t type chl	Pine g on. Low ained r ow shea ch stri . Media orite a	to medium elic felds r. poor fo agers & ve m gray to lteration.	carbonate in par 0-25%, liation. inlets, barren black in color Low carbonate
		Estium silica. Fin- shear in part, fair	s grained foliatio	relic f n at 50	to C.A	-SON. Low Small
	550.5	scattered white can Anorthosite. Low a Fine to medium grad	rbonate st Lteration. Lned. Low	ringers Light greenis	& fractur gramiah g: h to black	es. rey in color. chlorite.
		kedium carbonate in relic to complete containing black t	ype felds ype chlori	par 80- te, fai:	95%. Low al r foliation	hear in part a but variable
	600.0	Section between 56. LOST CO END OF HOLS	3.0-564.0 DRE 585.0		vidence of	dragfolding.
LAB. NO.	SAMPLE	HO. FOOTAGE	Y R R WIDTH	TUR Au.	Cu.	
H H 798	#1399	68.7-75.2	6.5"	Fr	0.100	
799	#1400	75.2-81.2	6.0"	F	8.100	
800	#1401	323.0-325.3	2.3'	み		WEBEC-2

PAGE 1		DIAMOND DRI	LL LOG	
		OBALSKI (1945) LIMITED		
HOLE NO.	*93	LOCATION 2000RE -	EO753W DATE STA	RT 3D Mar. 13th, 1956
DIP	609	LAT. DEP.		SEED Mar. 18th, 1956
BRARING	820 ⁰	ELEVATION Lake	na sera provi di konstante en energia gilite	BY A.F. Oakley
	alleyes besiden to the chain and all all ground and a	DIP TASTS	non-section and the sector of	DI ASSO VALOY
DETE	<u></u>	WLE LEGID		en nyezhonen e vezhoar a rea (en more und na evezhoar de sondaken belezh
57 1	OTAGE	an a	irrent and a second	
0.0				
0.0	161.8	CASING - Water, San	u & Gravel.	
161.8		ANOATHOUITE - Shear		
		Greyish green in co carbonate. Negligib	lor. Low chlorite le silica. Relic d	. Negligible & brecciated &
		elongsted feldspar	laths 60%. Medium	shear, fair
		foliation at 35° to LOST CORE	169.0-171.4	ium talcose.
	171.4		10	
171.4		HIGH SERICIFIC SHEA	R - Anorthosite.	
		Light brown in colo	r. Fine grained.	Low greenish & black
		chlorite. Negligibl	e carbonate. Regl.	at 45° to C.A., but
		core badly broken.	Ralio feldspar in	evidence. No
		evidence of sulphid	es but core badlt	weathered, quite
		porous in part. LOST CORE	173.3-173.8	
		99 99	175.0-176.6	
		27 \$\$ \$5 \$#	177.4-178.4	
		\$\$. \$\$	180.8-182.0	
		54 54 14 54	182.8-183.7	
		14 28	185.9-186.9	
		79 F2	187.7-188.7 189.5-190.0	
		** **	191.2-192.7	
	2	69 33 113 64	193.5-194.5	
		28 S2	195.7-197.0	
		17 17	200.0-202.4	
		19 89 19 69	203.1-204.5	
		f9 93	207.4-209.2	
		78 78 68- 89	210.0-211.7 212.8-213.7	
		X\$?\$	214.8-220.0	
		1987 - 199 1987 - 199 1987 - 199	222.6+223.9 226.5-227.4	
		19 18	228.0-229.3	
		28 28 88 88	231.0-232.2	
	235.0		234.0-235.0	
235.0		DYKE		
20000		Fine grained. Core carbonate. Medium s white quark stringe	ilica. Small feld.	spar remnants. Small
		pyrite. LOST CORE	236.1-237.8	
	238.6	المحمد من معرفة معن المحمد الم		
238.6		HIGH SERICIFIC SHEAL	F. Low chlorite,	green & black.
		Negligible carbonat elongated feldspar foliation at approx broken.	e. Negligible sil: 60-70%. Medium to	ica. Rolic & high shear, good
		ne an dife		

DIAMOND DRILL LOG

OBALSKI (1945) LIEITED

	POOT	ALC: S			DESCRIPTION
		·		CORE	238.6-240.8
			53	9 2	841.4-243.6
			18	3.8	245.0-246.3
			¥\$	Ħ	247.6-249.5
			12	88	251.0-252.9
			2章	3.8	253.7-254.6
			52	11	255.4-256.2
			12	79	257.7-258.3
		258.3	brownish in carbonate. 80-90%. Low badly broke	n colo Mediu W shea en & W	oming less sheared. More massive. Light r. Fine grained. Low chlorite. Megligibl m silica. Relic to complete type feldspa r decreasing towards 283.6. Core still eathered. Still much lost core.
				CORE	260.0-260.8
			et	13	262.3-262.8
			28	11	263.7-264.4
			2 8	28	265.7-266.4
			11	11	267.6-269.6
			9.2 19	1 1	270.8-271.7
			18	82 29	272.2-272.8
			9.8 2.4	19	273.4-874.1
					275.5-276.0
			49 97	9 8 17	277.6-279.1
		1. A. M. A.	79	5.4	280.0-285.6
		283.6			
			which the same defined on the line line.	-	*
83.6			quite mass: Medium gra. brownish a better but LOST "	nish g ive. L inså t lterat still CORE "	rey in color. Medium grained. Becoming ow chlorite. Low carbonate. Medium silic o complete feldepar 80-95%. Spotty ion product. Note:- Core recovery a litt much lost core. 285.2-287.7 300.0-302.4 303.3-305.5 316.2-318.4
		320.0	RED OF HOL		
			H O	S A	MPLB8



		OBALSKI (1945) LIMITED
TATE BA	ADA	
HOLE NO.		LOCATION 5000RE - 2800SW DATE STARTED March 1956
DIF	450	LAT. DEP. DATE FINISHED March 1956
BEARING	2150	ELEVATION Lake LOGGED BY A.E. Oakley
DEPTH	650.0 Pt.	DIP TESTS
	FOOTAGE	DESCRIPTION
0.0	20.5	CASING - Water, Sand & Gravel.
20.6		AMORTHOSITE Light greenish grey in color. Low chlorite, greenish & grey type. Low carbonate in part. Medium silica. Mainly fine grained rolic & 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 """El4.5-215.0
	221.5	
221.5		DXKE - 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	1001 00H9 . 00000-00200
234.0	238.1	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		DYKZ - Acid Type.
		Light grey in color. Fine grained. Massive. Medium carb. Medium silica. A few small white carbonate filled
	253.0	fractures, barren.
253.0		ABORTHOSITE 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	and may an
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		ABORTHOSITE Light in color. Regligible to low chlorite. Low carbonate. Medium to high silica. Fine relic to complete type feldspar 80-95%. Small scattered quartz & carbonate strs.
		(CONTINUED)

PAGE \$2

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DIAMOND DRILL LOG

OBALSKI (1946) LIMITED

HOL 8 NO. #94

	FOOTAGE	DESCRIPTION
	363.0	& veinlets, barren. One small Dyke between 357.0-357.3
363.0		DYKE - Acid. Feldspar Forphyry. 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	
876.8		ANORTHOSITE Light gray 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
	469.8	LOST CORE 462.5-467.2
469.8		DYKE - Acid.
10340		Light grey in color. Fine grained. Low carbonate. Medium to high silica. White carbonate stringers. Each lost core Core badly broken. LOST CORE 470.0-473.5
	473.5	MONT COMPANY ALONG
473.5		ANORTHOSITS 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
	490.9	brownish alteration product.
490 .9	496.7	DYKE - Acid. Feldspar Porphyry. Light grey in color. Fine grained. Massive. Neglégible to low carbonate. Medium Silica. Many small white feldspar phenos. Irregular white carbonate stringers, barren. Contacts quite sharp but core broken.
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	TATTO PTATE AALL ANTION AND A ALLA AVEALE AL MANA ANT AAVA AA
504.0		DYKE - Acid. Altered Feldspar Forphyry. Light in color. Fine grained. Medium carbonate alteration Medium silica. Ghost type feldspar phenos. Small irregula carbonate quartz stringers, barren.
	505.2	
505.2		AMORTHOSITS Light greyish in color. Fine grained. Low greenish & black chlorite. Low carbonate. Medium silica. Fine graine relic to complete type feldspar 50-95%. 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

	POOTAGE	DESCRIPTION		
	536.6	veinlet at 510.3 contains excellent type sulphides, chalcopyrite. LOST CORE 515.0-519.0		
536.6		DYRE - 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		AMORTHOSITE 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,		
	567.0	poor foliation. 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 35 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, leuconene. 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			
545.9	650 A	DYKE - Acid. Altered Quartz Diorite. Light grey in color. Fine grained. Messive. 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.		
A				



<u>IAG</u>		ULALUL LUALU	<u>u</u>	
		OBALSKI (1945) LIMI		
HOLE NO.	/95	LOCATION 242513 - 240033	DATE STARTED	March 1956
DIF	60 ⁰	LAT. DEP.		
BEARING	350		LOGG D BY	-0
		DIF TESTS		
	Section of the section of		an a	
	nnarfachan - Naistean An			an a
200	TAGE .	DESCRIPTIO		
0.0	75.0	CASING - Water, Sand & Grav	61.	of the set of
75.0		ANORTHOSITA Light grayish in color. Low carbonate. Medium silica. F complete feldspar 80-95%. S	ine to coarse b mall scattered	reccisted to sections mp to
		0.5' low to medium dark chl poor foliation, some contai pyrrhotite & chalcopyrite.		
	99.0	As above. Becoming more mas decreasing. Feldspar conten Patchy brownish to mauve al to low shear increasing bet	t increasing in teration produc	part. 95%. t. Negligible
	134.5	As above. Medium shear. Low Medium silica matriz. Mediu but variable at 35-55°, to C & quartz stringers & veinle	chlorite. Low m shear, fair t .A Many small	carbonate. o good foliation white carbonate
	142.0	mineral. As above. Light greenish gr chlorite but medium in part medium brecciated to comple	. Medium silica	. Fine to
	155.0	part. Altered Zone. Dark greyish Low chlorite. Medium carbon Contains small Anorthositic	ate. High silic sections. Negl	a in part. igible to low
	157.0	sulphides, pyrite & pyrrhot As above. Anorthosite. Ligh carbonate. Medium to high s feldspar 80-95%.	t in color. Low ilica. Relic to	chlorite. Low
	164.0	LOST CORE	158.5 - 160.5	
164.0		DYKE - Intermediate to Acid Fine grained Diorite. Media chlorite. Low to medium car scattered white carbonate f dyke slightly lighter in co Contacts quite sharp but ba	m grey in color bonate. Medium illed fractures lor, more acid,	silica. Small . Contacts of
	187.7	Anterna on Arthan Drivers Area Bro	and or or or or o	
187.7		ANORTHOSITS Light in color. Massive. Lo Medium silica. Fine to coar brecciated feldspar 80-95%. low shear at approximately	se to complete Small sections	relic &
	219.2	As above. Anorthosite. Shea grained. Low dark type chlo white carbonate quarts stri Medium shear, serpentinized	red. Medium gro rite. Low carbo ngers & Veinlet . good foliatio	nate. Small s, barren.
	221.2	C.A. Negligible sulphides. As above. Anorthosite. Ligh low suggestion of shear at carbonate. Medium silica. R type felaspar 85-95%. Patch	t in color. Fai 50° to C.A Lo elic & breccist y brownish alte	w chlorite. Low ed to complete ration product.
	289.5	As above. Anorthosite. Shea grained. Regligible chlorit Low silica. Low to medium a 60° to C.A., low serpentini stringers & veinlets. barre	red. Light in co 6. Medium carbo hear, good foli 2ed. Small whit	clor. Fine nate alteration. ation in at
	292.6	AATTWOATE & AATUTAAR? Balle	EL #	

(COSTINUED)

DIAMOND DRILL LOG

PAGE #2

OBALSKI (1945) LIMITED

HOL NO. #95

	POOTAGE	DESCRIPTION
292.6		DYKE - Acid Type. Light grey in color. Fine grained. Negligible chlorite. Regligible carbonate. Medium to high silica. Low shear or fracturing at approximately 50° to C.A Small white carbonate stringers, barren. Negligible sulphides, fine
	293.7	cubic pyrite.
893.7		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. <u>Bheared</u> . Light to dark grey in color. Low to medium black type chlorite in part. Ecdium 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. Regligible 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%. Fatchy light brownish colored alteration product.
	390.5	As above. <u>Sheared</u> . 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 feldspan 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 silic Mainly fine grained complete type feldspar 85-95%. Patch; brownish to mauve alteration product.
	425.5	Anorthosite. Kedium 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. Regligibl
	436.6	to low shear in part at approximately 50° to C.A.
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 & quarts filled fractures & stringers, barren. Contacts of dyke
	447.6	quite sharp at approximately 50° to C.A.
47.6		ANORTHOSITE Light in color. Low greenish chlorite matrix. Low carb. Medium silica. Mainly complete type feldspar 85-95%. Patchy mauye alteration product:
	456.0	
456.0		DYKE - Intermediate to Acid. Fine grained Diorite. Light to dark greyish green in color. Fine grained. Mass Low chlorite. Medium fine grained carbonate speckling. Medium silica in contacts. Small scattered carbonate & quartz stringers & fractures, barren. Contacts quite sha but badly broken. Note:- 472.9-473.6 small inclusion of
	478.8	sheared carbonated Anorthosite, feldspar rich.

478.8

PAGE 73

DIAMONS DRILL LOG

CBALSKI (1945) LIMITED

HOLR NO. 1495

	POOTAGE	DASCRIPTION
478.8		ANORTHOSITE Quite light in color. Begligible to low greenish chlorite matrix. Regligible carbonate. Medium to high silica. Mainly complete type feldspar 85-95%. Small scattered milky white quartz veinlets, barren. Patchy brownish to mauve
	499.8	alteration product.
499.8	506.2	DX 2 - 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. Megligible 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		ANCHTHOSITE - Low alteration.
000.2		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 & cuartz stringers & veinlets in small medium shears, barren.
	520.9	Rear an manual such on a nearent of the provide the second to an under the second to a second to a second to a
520.9	521.5	DYKE - Acid Type. Light greyish in color. Fine grained. Massive. Medium carbonate. Medium silica. Megligible sulphides, fine cubic pyrite. Contacts quite sharp but broken.
521.5		ANORTHOSITE - Altered & sheared. Light greenish to medium grey in color. Low chlorite, light greenish to medium grey type. Hedium 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	
1	554.4	
	555.9	Small white quarts & carbonate stringers, parren.
555.9		DYK2 - Acid Typs. 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 Regligible to low sulphides, mainly cubic pyrite. Contacts
	563.1	quite sharp at 50° to C.A.
563.1		ANORTHOSITE Light grayish in color. Medium to coarse grained. Fairly massive. Low greenish to grey type chlorite. Negligible carbonate. Medium silica. Fine to coarse relie & brecciated type feldspar 70-85%. Spotty mauve alteration product in
	580.0	low carbonate alteration. Anorthosite. Altered & Sheared. Becoming darker in color. Quite fine grained. Low to modium 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 & quarts stringers in sheared
		material, barren.

586.3

DIAMOND DRILL LOG

PAGE #4

OBALSKI (1945) LIMITED

HOLS NO. #95

50	OTAGE	DAGCRIPTICK
586.3	T STRATE STR	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	
13.4		
599.2		ANORTHOSITE
		Light greyish in color. Low greenish chlorite matrix. Low
		to medium carbonate alteration. Medium silics. Fine to
		course relic & brecclated feldspar laths 70-90%. Spotty
		mauve altoration product. Section between 610.0-611.3 medium shear, good foliation but variable 35° to C.A
		Some white carbonate stringers, barren.
	613.3	
	010.0	color. Low chlorite. Hadium 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	
		but seems to be cut 0° to C.A Quite soft & flaky. Flakes
	1. A 25 13	are quite transparent.
. 20	642.2	
642.2		DYKE - Acid Type.
		Light greyish in color. Fine grained. Sheared & altered.
		Medium carbonato. Medium silica. Medium shear in part, goo
		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	
	000.1	
650.1		ANORTHOSITS - Altered & Sheared.
00001		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 varbonate & quartz stringers.
		Regligible sulphides, cubic pyrite.
1. N	660.5	
660.5		DYKE - Acid Type.
		Light greyish in color. Medium carbonate. Medium silica.
		Core badly broken.
	661.1	
		RO. FOOTAGE WIDTH AU. Cu.
LAB. NO.	SARPLE	RO. FOOTAGE WIDTH Au. Cu.
	1. A.	201 0 3 1 0 0 0 0 X 7
	#1396	155.0-157.0 2.0° L
	#1396 #1397	155.0-157.0 2.0° h 391.0-393.5 2.5' h

Solution of the solution of th

PA	G 2 #1	
		DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLS NO.		LOCATION 3500NE - 3000SW DATE STARTED Mar. 29th, 1956
DIP	450	LAT. DEP. DATE FINISHED April 11th, 1956
BEARING	Ministry Complete delayers and a general second second second	ELEVATION Lake LOGGED BY A.E. Oakley
DEPTH	792.2 Ft.	DIP TESTS 43.5° at 400 Ft 38.0° at 792 Ft.
P	DOTAGE	DESCRIPTION
0.0	33.6	CASING - 15' Water. Sand & Gravel.
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	Carrier remain Alter starters reached
37.0		DYKE - Intermediate to Acid Type. Medium grey in color. Fine grained. Massive. Low sarbonate. 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	approxime tery for to o.v.
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.
	113.2	LOST CORE 74.0 - 75.0
113.2		PROBABLY GABBRO Black in color. Medium grained. Massive. Medium to high
	115.2	black type chlorite. Feldspar & hornblende rich.
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%.
	123.2	LOST CORE 120.0 - 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		
	138.3	Some very fine disseminated pyrite. Note:- 123.2-125.0 core somewhat porous.		
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	156.3	DYKE - Intermediate to Acid Type. Medium grey in color. Fine grained. Massive. Low chlorite Low carbonate. Low to medium silica. Low evidence of fracturing 10-45° to C.A.		
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.		
	294.2	LOST CORE 175.0 - 180.0		
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.		
	318.3	LOST CORE 306.6 - 308.0 " " 312.2 - 314.1		
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 feldspa: 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		
	362.4	pyrite, some pyrrhotite & a little chalcopyrite. Contacts quite sharp at approximately 80° to C.A.		
362.4		AMORTHOSITE 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 (90NTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. \$96

FOOTAGE 476.7		DESCRIPTION		
		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		
	480,5	sulphides, disseminated pyrite. 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	10-00%. Swart while cerponele lifter riscontes.		
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	refic & Brecclated Teruspar faths 10-05%.		
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	Tracoffice & Dorregorde Wrocar er ve prefureore		
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		
	591.5	in part.		
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	dares such in at hospiti 4. to cove		
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 falled 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	On		

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

	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%.
	665.1	Small white quartz stringers, barren.
	000+2	
665.1		<u>DYKE</u> - 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.
1. m	674.0	evidence of tow snear, in at bo to C.A.
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	irac turing.
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
	705.1	& quartz filled fractures. Low to medium sulphides in part, mainly pyrrhotite with negligible amounts of chalcopyrite occurring mostly in carbonate rich material.
	100.1	
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 &
	714.6	brecciated type feldspar 60-85%. No sulphides.
D34 C		TAB OTHER DEDITE - HADDERATED
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
	744.0	pyrrhotite & some chalcopyrite.
744.0		ANORTHOSITE
/44*0		AMONINOSITE 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 ² Feldspar Porphyry. Light grey in color. Fine grained. Massive. Low carbonate. Medium silica. Small white carbonate fractures &
	777.6	stringers, barren.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

	FOOTAGE	DESCRIPTION
777.6		ANORTHOSITS 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	IGTIC CADE IGTUEDAI 10-2000
779.1		DYKE - Acid Type. (Feldspar Porphyry) Light grey in color. Fine grained. Massive. Low carbonate. Medium silica. Small white carbonate stringers, barren.
	790.8	Small white quartz blebs throughout.
790.8		ANORTHOSITE
		Light in color. Coarse grained. Massive. Low chlorite. Low carbonate. Medium to high silica. Fine to coarse grained
	792.2	relic type feldspar 70-90%. END OF HOLE
		ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	#1393	691.0-695.0	4.0*	Fr.	-
	#1394	695.0+699.0	4.0'	L.	D. JOD
	#1395	699.0-703.0	4.0"	L.	



* *		O DIAMOND DRILL LOG	
		OBALSKI (1945) LIMIT	'ED
HOLE NO.	#97	LOCATION 2300NW - 2700SW	DATE STARTED april 1951
DIP	50 ⁰		DATE FINISHED April 14th,1956
BEARING	35 ⁰	ELEVATION LAKE	LOGGED BY A.E. Cakley
	647.6 Ft	<u>^</u>	
	FOOTAGE	DESCRIPTION	
0.0		CASING - Water, Sand & Grave	1
0.0	42.7	CADING - Water, Sand & Grave	3⊈ ●
42.7	-	ANORTHOSITE Light in color. Medium grain	ad. Massiva Low chlorita
		matrix. Medium to high felds	par content, relic or brecciate
	58.8	As above. Medium to high car	cownish leucoxene alteration. bonate alteration in part. Low
		shear, poor foliation. Negli disseminated pyrite.	gible sulphides, line
	61.5	-	
61.5		DYKE - Intermediate to low A Dark greenish grey in color.	Fine grained. Massive. Medium
		or fracturing in at approxim	to medium silica. Low shear mately 50° to C.A.
		LOST CORE 62.5	- 65.0
	74.0		
74.0		ANORTHOSITE Light in color. Medium grain	ed. Massive. Low chlorite
	-	matrix. Medium to high felds	par content, relic & brecciated ttered sections throughout low
		shear, fair foliation in at	approximately 50° to C.A Low alteration. Low sulphides in
	101.3	part, pyrrhotite & chalcopyr	ite.
		medium shear in walls in at	approximately 35° to C.A Low silica. Evidence of recemented
		breccia between 101.9-102.2	. Small section of medium
	103.1		in color. Low chlorite matrix.
		Low carbonate. Medium silica feldspar 70-80%. Low shear &	
	110.3	approximately 25° to C.A. Shear Zone. Anorthosite. Med	lium grey in color. Fine grained
			te matrix. Low serpentinized. Liation in part 30-50° to C.A.
		Negligible sulphides, pyrite small stringers.	& chalcopyrite occurring in
	119.3		
119.3		DYKE - Acid Type. Light grev in color. Fine gr	ained. Fairly massive. Medium
		carbonate. Medium silica. Ma quartz filled fractures. Low	ny small white carbonate &
	*		. Negligible sulphides in part,
	200 0	sharp in at 20° to C.A.	TIC. CONTACT AT THOSE durie
	126.9		
126.9		ANORTHOSITE Light to dark grey in color.	Fine to medium grained. Low
		to medium chlorite matrix. I	ow carbonate. Low to medium ype feldspar throughout 50-70%
	131.0	As above. Dark grey in color	. Low chlorite. Low to medium

(CONTINUED)

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

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,		
	145.5	fine disseminated pyrite.		
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			
		medium shear in at 40-70° to C.A., Low chlorite, medium carbonate, lowssilica, medium scrpentinized, 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			
	326 • 2 353 • 5	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		<u>DYKE</u> - 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	concerces an entravamence' of cene		
63.8		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		
	382.0	brownish alteration product. Low shear. Low chlorite. Low carbonate. Medium silica		
		matrix. Small white carbonate stringers, barren.		
	382.5			
82.5		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

nain gjugatain din sin sy'den 91d	FOOTAGE	DESCRIPTION		
	400.0	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 g		
	412 .6	grained relic & brecciated feldspar laths 65-80%. As above. <u>Sheared</u> . 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		
	418.0	foliation in at approximately 40° to C.A. 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		
	437.6	alteration product.		
	20110			
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,		
	500 7	disseminated pyrite. As above. Anorthosite. Light greyish in color. Low		
	509.1	chlorite. Low carbonate. Medium to high silica. Medium to		
		coarse to complete type feldspar 80-95%. Low patchy mauve alteration product.		
	524.9	of Alterrare by Added a		
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. 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			
538.5		ANORTHOSITS		
A		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		
	557.1	associated with small shears.		

557.1

DIALOND DRILL LOG

OBALSKI (1945) LIMITED

	FOOTAG	E DESCRIPTION
557.1		DYKE - Intermediate to Acid. Light to dark grey in color. Fine grained. Massive. Neglegible to low chlorite. Low carbonate. Medium silica.
		Contact phases medium silica alteration. Contacts quite sharp at 50° to C.A.
	566.5	
566.5	612.2	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. Low to medium shear. Low chlorite. Low carbonate. Small
		white carbonate stringers, barren.
	612.6	
512.6		<u>DYKE</u> - 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
	620.0	quartz carbonate stringers & veinlets, barren.
\$20.0		ANORTHOSITE - Sheared in Part. Light in color. Neglogible 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. <u>Sheared</u> . 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	
	632.5	As above. Anorthosite. <u>Sheared</u> . 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,
	642.0	disseminated pyrite.
42.0		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
	645.0	carbonate stringers throughout, barren.
45.0		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
	بر معد م	carbonate filled fractures. Negligible sulphides, mainly
	647.6	END OF HOLE.
		No SAMPLES

		OBALSKI (1945) LIN	1730
HOLE NO.	#98		DATE STARTED April 13th, 1956
DIP	450		DATE FINISHED April 18th, 1956
BRARING	55 ⁰		LOGGED BY A.E. Oakley
DEPTH		DIP TESTS 39.5° at 496.0	
Jaria	496.0 Pt.	Dir Tabib Dyed at 490.0	2'6
	FOOTAGIE	DESCRIPT	10N
0.0	12.0	CASIEG - Sand & Gravel	
12.0		Low chlorite, greenish & da	e to medium grained. Massive. rk grey type. Begligible ilica. Fine to medium grained
		relic & brocciated feldspar	80-95%. Spotty brownish ne. Negligible to low shear in
	101.7	LOST CORE. 44.	3-47.0
101.7		<u>DYKE</u> - Intermediate to Acid Light grey in color. Fine g chlorite. Megligible carbon grained quarts speckling th	rained. Massive. Negligible ate. Medium silica. Fine roughout. Scattered carbonate
	110.2	55° to C.A.	fine grained contacts approx.
14 m. 44	TTANE		
110.2	121.8	chlorite. Regligible carbon	ype feldspar 80-95%. Spotty
121.8		chlorite. Low to medium car Medium silica. Much fine qu	grained. Massive. Negligible bonate in chilled contacts. artz & carbonate speckling carbonate stringers, barren.
	140.3		
140.5	158.2	carbonate. Medium silica. M brecciated feldspar 70-80%.	Small sections of complete k chlorite shear in contact in
156.2		Scattered dark speckling th	or. Fine grained. Massive. ible carbonate. Medium silica. roughout. Contacts chilled &
	160.5	quite sharp in at 50° to C.	A •
160.5			nish grey. Negligible carbonate
		Redium silica. Mostly fine feldspar 70-90%. Much pale	bluish alteration. Low
	197.6	suggested shear.	
197.6		DYKE - Acid. Foldspar Porph Light grey in color. Fine g	yry. rained. Nassive. Negligible

.

DIAMOND DRILL LOG

OBALSKI (1945) LIMIT RD

HOLE EC. #98

	FOOTAGE	DESCRIPTION
	201.3	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		ANORTHOSITE Dark grey in color. Medium to coarse grained. Medium dark grey chlorite. Regligible carbonate. Medium silica. Many fine to medium grained relic & brecciated feldspar laths 80-90%. Small sections almost complete type feldspar 95%.
	231.6	Sections of suggested low shear approximately 50° to C.A.
231.6		DYKE - Acid. Feldspar Porphyry. Light grey in color. Fine grained. Hassive. Negligible carbonate. Medium silica. Small scattered white feldspar phenos. Contacts sharp in at 50° to C.A.
	232.8	
232.8		AHORTHOSITS Light greyish in color. Medium grained. Low chlorite. Low carbomate. Medium silica. Mainly relic to ghost type feldspar 70-85%.
	251.0	
	258.3	
258.3		DYKE - Acid. Fine grained Diorite. Hedium grey in color. Fine grained. Massive. Low chlorite. Megligible carbonate. Medium silics. Fine grained feldspar & quarts 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	

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #98

	OUTAGE	DASCRIPTION		
		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 20ne. 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	A E GA OTTE OFFE		
395.8		DYKH - 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	ANTIGOR CONTRACTOR OF A DEPARTMENT OF A CONTRACTOR		
413.0		ANORTHOSITE - ALTERATION ZONE. Light gray in color. Fine grained. Low black type chlorit. Negligible carbonate. Nedium to high silica. Small		
	431.5	scattered sections low shear, variable foliation. Fine to medium grained relic feldspar 80-95%. Low spotty brownish alteration product occurring from 425.0 on. Anorthosite. Light greyish green in color. Medium grained Massive. Low to medium greenish chlorite. Megligible carbonate. Medium silica. Hedium 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		
	455.4	product.		
455.4		DYKE - Acid. Probably Altered Feldspar Porphyry. Light in color. Fine grained. Massive. Medium carbonate. Medium sibica. Irregular white quartz carbonate fractures barren. Sharp contacts in at approximately 50° to C.A.		
	457.2			
457.2		ANORTHOBITE 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		
	459.9	chlorite, barren.		
159.9		DYKE - Acid. Feldspar Porphyry. Light grey in color. Fine grained. Massive. Medium carbonate. Medium silica. Many small white feldspar pheno Sharp chilled contacts, possibly 60° to C.A Small		
	461.5	white carbonate stringers & fractures, barren.		
161.5		ANORTHOSITE		
202.00		Light greyish green in color. Medium grained. Massive. Lo chlorits. Negligible carbonate. Medium silica. Fine to medium grained brecciated to complete type feldspar 70-90		
	463.4			
465.4		DYKE - Intermediate to Acid. Fine grained Quartz Diorite. Dark gray in color. Fine grained. Massive. Low chlorite. Medium carbonate. Medium silica. Much fine grained quartz & feldspar speckling throughout. Scattered white carbonat & quartz stringers & veinlets, barren. Sharp chilled contacts 45° to C.A.		
		CONTINUED)		

477.8

DIAMOND DRILL LOG

OBALSKI (1946) LIMITED

HOLI NO. #98

	FOOTAGE	description
477.8	485 • 3	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	492.0	INKE - Acid. Feldspar Quartz Porphyry. Light grey in color. Pine 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	496.2	AMORTHOSITE 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. MD OF HOLM.

NO SAMPLES



HOLE NO. DIP BEARING DEPTH	<u>\$99</u> <u>55</u> <u>215</u> <u>235.0 Pt</u> .	LOCATION LAT REEVATION DIP TESTS	1600NB - 1950SW	DATE STARTED Apr. 15th/56 DATE FINISHED Apr. 30th/56 LOGGED BY A.E. Oakley
	POOTAG E	n de la mande de San Carles de La mande de la mande Nota la mande de San Carles de La mande	DESCRIPTION	

Hole abandoned at 235.0' because of deep overburden.



		OBALSKI (1945) LIMITED
		DIAMOND DRILL LOG
HOLS NO.	#100	LOCATION 4625NE - 30008W DATE STARTED Apr. 19th, 1956
DIP	450	LAT. DEP. DATE FINISHED Apr. 25th, 1956
BARING	1.300	EL SVATION LOGGED BY A.E. Oakley
		DIP TESTS 44.0° af 325 Ft 43.5° at 666 Ft.
and a support for a contrary of 1 and 1 and	and a second	
<u>P</u>	SOTAGE	Description
0.0	1.8.5	CASING - Sand & Gravel.
12.5	15.0	DYKE - Fine grained Quarts Diorite Dyke. Acdium carbonate. Low greenish chlorite. Core badly broken.
15.0		AMORTHOSITS
		Fine grained, Brecciated to complete type feldspar 80-95% Low pale greenish chlorite matrix. Fatches 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.
	311.7	LOST CORE 113.7 - 119.2
311.7	379.2	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 353.0~557.0 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	398.5	ANORTHOSITE Fine grained, Brecclated 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	400.0	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	444.9	AMORTHOSITE 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, leugoxene. Black chlorite increasing from 440.0-444.9 Low to medium sulphides in part, excellent type, pyrrhotite & chalcopyrite.
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

10. 12

TANOND DRIVE LOG

OBALSHI (1945) LIHIT D

HOLE NO. #100

	POOTAGE	DEBCRIFTION
		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		ABORTHOSITE Pine 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	mauve afteration product, feucosene.
466.1		ROCK TYPE LEDEPINITY - (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 &
	475.0	chalcopyrite occurring in carbonate rich material.
475.0		AFORTHOSITE Fine grained brecciated to complete type feldspar 80-90%. Regligible 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 3	SAY RET	URES		
LAB. IO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
HH928	#1402	440.0-443.0	3.0"	. 0 /	0.100
929	#1403	444.9-448.9	4.0*	-01	0.100
930	#1404	448.9-450.3	1.4'	. 0 2	0.250

450.3-452.8

452.8-456.8

2.51

4.0"

1405

\$1406

931

932

0.050

0.700

.01

.01

•	PAGE #1	DIAMOND DRILL LOG	•
		OBALSKI (1945) LIMITED	
HOLE NO.	#101	LOCATION 5100NE - 2900SW	DATE STARTED Apr. 26th, 1956
DIP	38 ⁰	LAT. Der.	DATE FINISHED May 1st, 1956
BEARING	2150	BLEVATION	LOGOED BY A.S. Oakley
DEPTH	477.6 Pt.		
Jan State St	COTAGE	DESCRIPTION	
0.0	12.0	CASING - Sand & Gravel	
12.0		80-95%. Low pale greenish to scattered sections black typ	e chlorite. Spotty brownish
	102.8	to mauve alteration product.	
102.8	108.0	DYKE - Fine grained grey gra Low chlorite. Low shear & fr Anorthosite inclusions. Irra stringers & fractures. Conta Negligible to low sulphides, carbonate quarts material.	acturing. Small scattered gular carbonate & quarts acts sharp but core broken.
108.0		ANORTHOSITE	
20080		Fine to medium grained breck	a green chlorite, increasing Low mauve alteration
	132.2		
132.2		DYKE - Fine grained Quartz I Massive. Low to medium chlor Medium silica. Much fine gra mottling throughout. A few a stringers. Contacts sharp, 1 brecciated, core broken.	rite. Regligible carbonate. Lined quartz & feldspar Mall scattered carbonate Low chilling & somewhat
	149.8	LOST CORE - 145.6-	-146-5
149.8		Low to medium greyish green carbonate. Medium silica. So alteration product. Note:- Low fault zone betwee sections up to 2.0° containd Dyke remnants. Negligible su carbonate stringers out at f	complete type feldspar 80-95%. to black chlorite. Negligible battered white to yellowish on 173.5-180.0 ,several ing brecciated Anorthosite & ilphides in small quartz 55-65° to C.A:
	180.0	Anorthosite as above. Slight Fair amount of mauve & yello leucoxens.	t increase in chlorite content wish alteration product,
	200.2	Rock type indefinite (Altere in color. Fine grained. Medi carbonate matrix. Low silics type feldspar 15%. Low shear grained sulphide content in pyrrhotite & chalcopyrite. S .could be low fault zone as	carbonate rich material, Buggested fragments throughout between 173.5-180.0
	203.9	Anorthosite as above. Fine a feldspar 75-90%. Low pale gr yellowish alteration product sections up to .2' some cont pyrrhotite, some chalcopyrid	rained relic to complete type reyish green chlorite. Spotty t. Scattered low sheared taining low sulphides, te.
	254.0	LOST CORE 217.0 Anorthosite as above. Becom	
			(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LINITED

HOLE NO. MOL

ROOTAGE		DESCRIPTION	
		grained relic to complete type feldspar 80-95%. Low pele greenish chlorite matrix. Small scattered shears or fracturing, sections of black type chlorite, poor feliation variable. Scattered negligible sulphides. pyrrhotite & some chalcopyrite in carbonate rich material fatchy mauve & yellowish alteration product.	
	286.1		
86.1	000.0	DYKE - Light grey Feldspar Porphyry. Low carbonate. Medium silica. Many small white feldspar phonos. Contacts sharp but badly ground.	
	289.9		
89.9		ANORTHOSITE Fine grained relic type feldeper 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. Megligible sulphides, pyrrhotite in small stringers. Patchy mauve alteration product.	
	314.1	branne en	
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	TTGA MY 200 ANTAGA AN ANA ANY ANA ANY ANAGAN	
518.9		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		
527.2		DYKE - Altered Diorite. Light grey in color. Very fine grained. Massive. Medium carbonate alteration. Medium silics. Many small quartz & feldspar specks throughout. Sharp chilled contacts in at 50 & 60° to C.A A few small carbonate quartz stringers, barron.	
	331.5	a na weath in the number of the second se	
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, barron. Feldspar becoming finer grained & decreasing	
	377.4	towards 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	
	396.3	alteration product. Little or no sulphides.	
396.3		DYKE - Altered Feldspar Porphyry. Light grey in color. Fine grained. Fairly massive.	

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 1201

POOTAGE

413.7

DESCRIPTION

Medium to high carbonate altoration. 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

ANORTHOSITE

Fine grained relic to complete type feldspar 80-95%. Low pale grayish green chlorite. Medium silica. Scattered sections low shear or fracturing, variable, containing low to medium black type chlorite. Fatchy mauve & bluish alteration product.

- 443.3 Minerelized 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 veiblets & stringers, barren.

477.6 BAD OF HOLE

NO SAMPLES.

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- t	154 S & A
 -	West-Ballfoll water - 1827 Stoft WAT The WEST

DIAFOND DRILL LOG

		Station Station Book
		OBALSKI (1945) LIMITED
HOLE NO.	\$102	LOCATION 4100NE - 30508W DATE STARTED May 2nd, 1956
DIS	450	LAT. D.P. DATE PIRISHED Nov 5th, 1956
BEARING	2300	ELEVATION LOGGED BY A. T. Oakley
DEFTH	471.0 Pt.	DIP TESTS 36.5° at 471.0 Ft.
F	DOTAG B	Descri Plon
0.0	26.0	CASING - Sand.
26.0	37.5	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 pyrrnotite present in small fractures in chilled material, core broken but seems to be in at 40° to C.A.
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	
	199.0	
	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 Ho 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 & cohlcopyrite. Several small white & greyish quartz veinlets flat laying, barren.
	334.0	

24G3 12

DIMLOND DRIME 100

UBALSKI (1945) LIMITED

HOL. NO. 102

FOCTAGE	DESCRIPTION
344.7	some containing appreciable amounts of pyrrhetite & chalcopyrite, particularly in contact with Porphyry Dyke. Note:- 344.0 - 347.0 probable reason for Resistivity Anomaly.
U.S.S. • 1	
344 .7	DYKE - Feldspar Porphyry. Dark grey in color. Fine gradned. 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	AMONTHOSITE - Altered & low sheared. Medium grey to black in color. Fine grained, relie & 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 Forphyry 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. Fatchy mauve & brownish alteration product.
444.0	As above. Becoming darker in color, finer grained. Relic & bracciated to complete type feldspar varying 30-90%. 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,
477 0	some containing negligible amounts of pyrite.

NO SAMPLES



<u>-</u> <u>2</u> A	GB #1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	103	LOCATION 4120NE - 3725SW DATE STARTED May 7th, 1956
DIP	45 ⁰	LAT. DEP. T DATE FINISHED May 12th, 1956
BEARING	50 ⁰	ELEVATION LOGGED BY A.E. Oakley
DEPTH	513.5 Ft.	
	FOOTAGE	DESCRIPTION
0.0	32.0	CASING - Sand.
32.0		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
	57.0	pyrrhotite & chalcopyrite.
57.0		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	C C C C C C C C C C C C C C C C C C C
74.8		ABORTHOSITE - 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 licing, 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.
	113.8	
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.
110 8	77041	
118.7	153.5	AMORTHOSITE 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.
	100.0	
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.
1 10. <i>P</i>	as 67 €7 ♥ CF	ABOD MURSER PO
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

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #103

	FOOTAGE	DEBCRIPTION
	167.2	chlorite, low sheared sections, some assocaited pyrhotite & chalcopyrite. 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 pyrhotite & some chalcopyrite. Low
	207.0	suggestive shear, poor foliation.
207.0		DYKE - Feldspar Porphyry, Altered. Light grey in color. Very fines 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 & quarts filled fractures, barren.
	214.2	
214.2		DXKE - 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 i filled fractures. Low to medium sulphides in part, mostly pyrrhotite with some chalcopyrite. One small Anorthosite inclusion. Contacts quite sharp att approximately 40° to
	219.6	C.A.
219.6	251.9	AMORTHOSITE 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	260.0	DYKE - Diorite Medium greyish green in color. Gine 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	305.0	ANORTHOSITE Fine grained relic to complete & brecciated type feldspar 80-90%. Negligible to low greyish green chlorite. Negligible carbonate. Medium to high silica. As above. Containing medium to high sulphides, mainly
	306.5	chalcopyrite & some pyrrhotite in carbonate rich material
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

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #103

	append of the second filler and the second second fill of the second s	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	<u>DYKE - Feldspar Porphyry</u> Light pale greenish grey in color. Fine grained. Massive. Negligible carbonate. Medium silica. Many small white feldspar phonos. Contacts quite sharp approximately 40° to C.A.	
	00414	7.	
364.2		ARORTHOSITE 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		
439.5	446.2	<u>DYKE - Grey Diorite</u> 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		ANORTHOSITE	
	466.8	Fine grained relic & brecciatea 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. Fino grained. Massive. Medium carbonate. Medium silica. Many small white brecciated feldspar phenos. Contacts quite sharp, possibly 55° to C. A.	
	21000		
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 HOLS	
		ASSAY RETURNS	
T a D Tri M	01 4 3 5 5 5 1 4 MM		
LAB. NO.	SAMPLE I	0. FOOTAGE WIDTH Au. Cu.	
	#1407	145.0-149.0 4.0° L. 0.050	

1.450

.02

1.0"

305.5-306.5

#1409

• <u>PA</u>	GE #1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#104	LOCATION 5000NE - 4350SW DATE STARTED May 7th, 1956
DIP	450	LAT. DEP. DATE FINISHED May 9th, 1956
BRARING	2150	ELEVATION LOGGED BY A.E. Oakley
DEPTH		DIP TESTS 37.0° at 581.0 Ft.
B	OOTAGE	DESCRIPTION
0.0	12.0	<u>CASING</u> - Sand.
12.0	85.6	ABORTHOSITE 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	00.0	WWW W TAN A STORAGE THE MANY REPORTED
00.00		<u>DYKE</u> - Feldspar Forphyry. 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	1031 00M3 0100 - 2000
94.0		AMORTHOSITE Fine to medium grained relic & breccisted 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 & quarts filled fractures. Shearing becoming more definite between 127,0-132.2 in at approx. 45° to C.A.
	132.2	
132.2	135.0	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.
100 0	100.0	ANORTHOSITE - Low shear. Low alteration.
135.0		Anonthosith - 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 Faldspar Forphyry. Light grey in color. Fine grained. Medium carbonate. Medium silica. Many white quartz phenos. Contacts quite sharp but core broken.
45.1 A	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

. PAGE #2

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DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOL 3 NO. #104

	FOOTAGE	DESCRIPTION
	178.3	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		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
100.1		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. Regligible sulphides, pyrite occurring in small chlorite sections.
	000 A	LOST CORE 222.7-226.5
	835.0	As above. Becoming somewhat coarser grained. Many small carbonate fractures & sections throughout, many mineralized with low sulphides, pyrrhotite & chalcopyri 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	arearation product appearing constant soors
290.2		DYKE - Feldspar Forphyry. Light grey in color. Very fine grained. Medium carbonat 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. Megligible carbonate. Medium silica. Fine grained white speckling throughout, mainly feldspar. Small scattered white carbonate fractures. Megligible 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 40-7 %. Medium greenish grey chlorite matrix. Low to medium carbonate in first 5 feet, decreasing. Medium silics 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 quarts carbonate veinlet

325.0

at 324.5 containing medium to high sulphides, chalcopyrite & pyrrhotite. .0 Becoming lighter in color. Fine to coarse grained brecciated feldspar laths 70-80%. Low to medium greyish

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, pyrhotite & some disseminated pyrite, usually associated with meuve 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
	feldapar latha 80%. Dark grey green chlorite matrix. Medium silica.
581.0	

NO SAMPLES



<u>.</u>	AGE #1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#105	LOCATION 1100NE - 1150SW DATE STARTED May 14th, 1950
DIP	50 ⁰	LAT. DEP. DATE FINISHED May 25th, 191
BEARING	215 ⁰	ELEVATION LOGCED BY A.E. Oakley
DESTH	695.6 Pt.	<u>^</u>
	FOOTAGE	DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders.
	136.3	ACTIVE SER _ MONTRED CLOCKED & THAT A CONTREL CONTREL CONTREL
136.3	139-4	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 st: 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, dissemination of the pyrite in part.
	176.1	comerce have and have a
176.1	183.6	DYKE - Feldspar Quarts Porphyry Light grey in color. Pine grained. Medium carbonate alteration in chilled phases. Medium silica. Small relic white feldspar & bluigh phenes throughout. Small scattered white carbonate & quartz fractures & veinlet , barren.
	100+0	a the second second second second second
183.6	189.5	ANORTHOGITE - Sheared & Altered. Fine grained relic feldspar 5-10%. Low gray to black chlorite matrix. Low carbonate alteration. Low sikica. Many white carbonate & quartz stringers throughout, barren. Medium shear in part, good foliation 25-40° to C.A.
200 5	20240	Transfer to the state of the second state of t
189.5		DYKE - Feldspar Quartz Forphyry. Light grey in color. Fine grained. Medium carbonste. Medium silica. Fine grained relic feldspar & bluish quartz phenos. Contacts quits sharp, upper in at 15° to C.A., lower in at approximately 55° to C.A.
	191.6	
191.6	192.7	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. Anorthosite. Fine grained & brecciated type feldspar 70-80%. Low pale greenish chlorite matrix. Medium carbonate. Medium silics. Low serpentinized. Small scattered white carbonate & quartz stringers & fractures, barren.
	197.9	T T PER A FRET MARK T CATE
197.9	206.2	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.
		(CORVINUED)

DIAMOND DETLL LOG

CBALSKI (1945) LIMITED

HOL. RO. /105

) [OTAGE	DESCRIPTION
206.2	221.8	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 mice occurring in carbonate rich material, usually along fractures.
	~~~~~	
221.8	228.1	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.
	220.1	
228.1		ANORTHOSITE - Altered & Sheared. Fine grained relic type feldspar 40-50%. Medium black type chlorite matrix. 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
	252.0	sulphides, discominated cubic pyrite. As above. Feldspar content decreasing 20-30%, becoming more shest type & serpentinized. Carbonate content increasing. Chlorite content decreasing. Medium shear throughout, fair to good foliation but variable 15-50° to C.A Megligible sulphides, disseminated pyrite in part.
	290.0	
290.0	297.3	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		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	380.5	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	392.5	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

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #105

FOC	TAGE	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
	395.8	chilled & quite sharp but core broken.
395.8		AMORTHOSITE 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 talcoso. No increase in shear intensity but poor foliation. Scattered white carbonate stringers & fractures, some with cubic pyrite. Regligible sulphides, mainly small crushed pyrite cubes.
	498.0	As above. Fine to medium grained relic ghost type feldspar, sorpentinized in part, 25-35%. Slight decrease in black type chlorite. Note:- 3 shall 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		AMORTHOSITE - Altered & Sheared. Fine grained relic & ghost type feldspar, serpentin- ized 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 pal- 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	

NO SAMPLES

26	<u>Gs #1</u>	DIALOND DRILL LOG	
		OBALSKI (1945) LIMITED	
HOLE NO.	#106	LOCATION 5300NE - 4450SW DATE STARTED May 11th, 19	56
DIP	45 ⁰	LAT. DEP. DATE FINISHED May 14th, 19	56
BEARING	2150	ELEVATION LOGGED BY A.E. Oakley	
A. 5. 80		DIP TESTS No Dip Tests	
	POOTAGE	DESCRIPTION	
0.0	12.0	CASING - Sand.	
12.0		A NORTHOSITE Fine to medium grained relic to complete type feldsp 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 sec , usually some mauve & bluish alteration product pre	tions
	72.0		
72.0	76.9	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 fil fractures in chilled contacts, barren.	
76.9		ANORTHOSITE	
		Fine to medium grained relic & brecciated to complet type feldspar 70-90%. Low to medium pale greyish gree to black type chlorite matrix. Negligible carbonate. Medium silica. Patchy mauve & bluish alteration prod usually with minor amounts of pyrrhotite & chalcopyr 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.	iuct iite
	141.3		
141.3		DXKE - Diorite Medium grey green in color. Fine to medium grained. Medium chlorite. Medium carbonate. Low to medium sil Fine grained white speckling throughout. Sharp conta with increasing carbonate content, in at approximate 55° to C.A.	icts
	153.4		
153.4		ANORTHOSITE Fine to medium grained relic to complete type feldsp 80-90%. Low pale greyish green chlorite matrix. Low carbonate. Medium to high silica. Small scattered sheared or fractured sections with carbonate & quart stringers & fractures, some containing minor amounts pyrrhotite & chalcopyrite. Patchy mauve alteration	Z
	<b>205.</b> 0	product. Note:- 157.6-159.0 Altered dyke. Light grey. Fine grained. Negligible carbonate. Medium silica. Small white carbonate rich fractures. Quite sharp contacts Anorthosite. Fracture Zone. Fine to medium grained relic type feldspar 70-80%. Low to medium greyish gr chlorite matrix. Low carbonate. Medium silica. Many small to medium sized sheared & fractured sections u to 2.0' in at approximately 55° to C.A., containing low to medium chlorite, negligible carbonate. some a possibly dyke memnants, with negligible do low sulphides, pyrrhotite & pyrite in carbonate rich str & fractures. Scattered mauve type alteration product	reen 1p 1re
	242.8		

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DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE #106

POOTAG		DESCRIPTION
242.8	248.7	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		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
	267.7	carbonate rich material. Anorthosite. <u>Sheared &amp; Altered</u> . 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 &
	088 0	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. Fatchy 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 stra
		& 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	
	370.0	Anorthesite. 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 Forphyry
μη χ του τροσί		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	

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #106

	POOTAGE	DESC RI PTICN
374.5		ANORTHOSITE Fine grained relic to complete type feldspar 85-95%. Negligible chlorite. Low carbonate. Medium to high silics Small scattered fractures containing black type chlorite. Anorthosite. Altered. Dark grey in color. Fine grained relic feldspar in part 10%. Medium silics to low carbonate alteration with medium fine grained sulphides, mainly pyrrhotite with some chalcopyrite.

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

	À S	SAY RE	TURNS		
LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	#1410	365.0-370.0	5.0"		
	#1411	378.2-379.8	1.6'		



- <u>RA</u>	G <u>S #1</u>	P DL	AMOND DRIL	LOG	
		OBAL	SKI (1945)	LIMITED	
HOLE NO.	#107			OSW DATE STARTE	May 15th. 1956
DI P	60 ⁰			DATE FINISHE	
	fill and the first of the second second second			LOGGED BY	
		DIF TESTS			Stor Voltagy
		ವರ್ಷವು ಈ ನಂತಿಗಳ <b>ಕಿನ</b> ್ ನಂ <b>ಕಿನ್</b> .	<u> </u>	470 1981.	n de la construir de la constru
P	OOTACE		DESCRI	PT IOF	
0.0	6.6	CASING - Sa	nd.		
6.6		Low pale gro Medium silic low amogint	d relic to ey green ch ca. Lew mau of pyrrhtti hlorite sec	ve type alteration te & chalcopyrite tions. Scattered	gligible carbonate on product with a. usually in
	56.5	As above. Be evidence of	coming sli low shear	ghtly more massiv or fracturing. Lo ttle or no sulphi	w spotty mauve
	90.0	As above. Lo chloritized	ow regular fractured	foliation with so sections, some co yrite, chalcopyri	me low ntaining
	106.0		1		
106.0	114.4	carbonate in feldspar pho	in color. F n part. Med enos. Scatt sulphides,	ine grained. Mass ium silica. Many ered bluish quart disseminated pyri	small white
114.4		ANORTHOSITE			
		Fine grained Low pale gra type chlorit high silica sections con containing 1 usually with pyrrhotite a stringers &	d relic to eyish green te in part. Small scantaining me low amount h some negl & chalcopyr veinlets,		with some black nate. Medium to fractured in chlorite, some eration product, phides, ite quartz
	200.0	manve type a chlorite, ma	alteration edium to hi d sulphides	to 2.0' containing in greyish green gh carbonate alte , mostly pyrrhoti	to black type ration, medium
	246.6				
246.6			in color. ca. Small f	Fine grained. Low ine feldspar phen	
	247.2		ف		
247.2		type feldsp matrix. Neg. fractured so medium mauve negligible occurring mo	ium grained ar. Low to ligible car ections con e type alte to low sulp ostly in ca	relic to breccia medium greyish gr bonate. Medium si taining medium ch ration product us hides, pyrrhotite rbonate rich mats throughout 40-50	een chlorite lica. Many small lorite with mally containing & chalcopyrite rial. Low
	319.0	As above. Be Brecoiated	ecoming mor feldspar la	e massive. Medium ths 70-80%. Mediu evidence of fract	n grained. m greyish green

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #107

338.5		
338.5	338.5	some mauve alteration product. Little or no sulphides.
		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. <u>Sheared in part</u> . 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
	380.4	65° to C.A.
380.4		A MORTHOSITE 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.
	409.6	Note: - Small grey acid dyke between 407.5-408.2
409.6	412.0	DYKE - Feldspar Forphyry. 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.
43.0.0	******	4 57 A 15 MM 1 (A) (B 1 M 13
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		<u>DYKE - Diorite</u> 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.
	446.0	Upper contact sharp in at approximately 60° to C.A. Dyke. <u>Feldspar Porphyry</u> . 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	
	498.1	END OF HOLE

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTHB	Au.	<u>Cu</u> .
	#1412	200.0-201.5	1.5'		
	#1413	206.5-208.0	1.5'		
	<b>#1414</b>	213.5-215.5	2.0"		
	<b>#1415</b>	230.5-231.5	1.0"		



• <u>PA</u>	G45 #1	DIAMOND DRILL LOG				
		OBALSKI (1945) LIMITED				
HOLE NO.	#108	LOCATION 3820NE - 3000SW DATE STARTED May Soth, 1956				
DIP	450	LAT. DEP. DATE FINESHED May 26th, 1956				
BEARING	21.5°	ELEVATION LOGGED BY A.E. Oakley				
DSETH	614.4 Pt.	DIP 73378 39.0° at 614 Feet.				
	FOOTAGE	Description				
0.0	a ferra mana kana kana kana kana kana kana kan	CASING - Bedrock, moss covered.				
	3.5					
3.5		ANORTHOSITE Fine grained relic type feldspar 70-80%. Low dark grey to black type chlorite matrix. Fegligible carbonate. Measum silica. Spotty mauve type alteration product. Low shear suggested approx. 50 to C.A.				
	18.4					
18.4	19.1	DYKS - Dicrite. Light yellowish greybin color. Very fine grained. Regligible warbonate. Medium silica. Core badly broken.				
19.1	34.0	ABORTHOSITE Fine grained felic to complete ghost type feldapar 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.				
	04+U	40. (19. 1)				
34.0	35.7	DYKE - Diorite. Light yellowish gray 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		AFORTHOSITS Fine to medium grained relic type feldapar 70-80%. Low grey green & black type chlorite. Regligible carbonate. Medium silice. Small white carbonate stringers in black				
	39.0	type chlorite, barren.				
39.0		DYKE - Digrite. 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					
2.	87.0					
87.0		DYKE - Peldspar Porphyry Light grey in color. Mine grained. Low carbonate in part. Medium silics. Meny small white feldspar phenos, throughout. Contacts chilled & quite sharp but core badly broken.				
	91.7	Ren's fictors				

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLS NO. #108

	FOOTAGE	DESCRIPTION
91.7		ABORTHOSITE Fine grained rolic & breceisted type feldspar 80-90%. Low greyish green & low to high black type chlorite in part. Nogligible to low carbonate in part. Medium silics 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 grayish green in color. Fine grained. Low greenish chlorite. Low carbonate. Medium silica. Much fine graine mottling throughout, feldspar laths & quartz phanos. Cantre of dyke coarser grained with fine grained fractured & chilled contacts quite sharp but core badly broken.
	132.0	
132.0		AMORTHOSITE 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 COR: 156.6-157.4 " 159.2-160.7
	161,4	Probable Fault Zone. Dark grey to black in color. Fine grained relic type foldspar 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 163.5'. 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
		" " 170.0-172.0
	176.5	Anorthosite. Fine grained relic type feldspar 70-80%. Low greyish green ahlorite matrix. Negligible carbonate. Medium silica. Core still badly broken & much lost core. LOST CORE 177.8-178.9 "" 161.2-183.6 " " 184.3-187.3
		" " 188.8-191.1
	191.2	
191.2	2	<u>DYKE - Diorite</u> Dark greenish grey in color. Very fine grained. Massive Low greenish chlorite matrix. Medium carbonste. Medium silica. Much fine grained speckling throughout, seems to be mostly carbonate. Sharp chilled contacts but dore broken.
	202.7	
202.7		ANORTHOSITE Fine to medium grained relic & brecciated to complete type foldspar 80-95%. Low greyish green & dark grey to black type chlorite. Negligible carbonate. Medium to high silica. Small scattered low sheared or fractured soctions. Small scattered quartz stringers, barren. Several diorite dyke inclusions in first 5.0'

251.5 Anorthosite. <u>Mineralized Altered Zone</u>. Fine grained relic type feldspar 10-15%. Low greenish chlorite matrix kedium to high carbonate alteration. Low silica. Medium

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLK NO. #108

Transfer a gavern	FOOTAGE	DESCRIPTION	
	254.0	fine grained subbides throughout, pyrrhotite & pyrite with a little chalcopyrite. Anorthosite. Fine grained relic to complete type felaspar 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	
	282.2	carbonate stringers, barren. Sections of badly broken core. LOST CORE 264.0-266.4	
	99496 9		
282.2		DYKE - Faldspar Pornhyry. Light gray in color. Fine grained. Low carbonate in part. Medium Silica. Many small irregular carbonate filled fractures. Small white feldspar laths occurring mostly in contre 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 amall white carbonate filled fractures, barren LOST CORE 288.7-290.0	
	292.4		
292.4		DYKE - Altered Feldspar Fornhyry Medium grey in color. Very fine grained. Esgligible 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	NATTO AT 200	
295,4		AMORTHOSITE Fine to medium grained relic & brecciated type feldspar 89-90%. 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 Peldspar 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 foldspar 5-15%. Medium to high black type chlorite matrix. Negligible to low carbonate in part. Low silice. 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 CORS 318.9-320.0	
		1 323,5-324,8	
		Anorthosite. Fine grained relic & brecciated type feldspar 80-90%. Low pale green chlorite matrix. Negligible carbonate. Hedium silica. Quite massive & uniform.	
	347.5		
347.5		<u>BYKE - Altered Feldspar orphyry</u> 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.,	
	350.5	lower badly broken.	

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HCL 3 RO. #108

200	ota Ge	JORIETION SCRIETION	
350.5		ANORTHOSITE - Altered & Sheared Minerelized Zone. Fine grained relic type feldspar 20-40%. Low to medium greyish green chlorite matrix. Low black type chlorite in part. Medium to high carbonate elteration. Low silica. Low to medium shear, medium fracturing, faif to good foliation but variable 35-50° to C.A Many small white & bluish carbonate & quartz stringers & fractures throughout. Sections of high bluish carbonate alteratic containing low fine sulphides, mostly pyrrhotite with some chalcopyrite.	
	350.2	Anorthesite, 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 chalco- pyrite in carbonate quartz rich matorial.	
	408.2	As above. Pine grained ralic & brocciated feldspar 70- 80%. Low pale grayish graen & dark grey to black type chlorite. Low carbonate in part. Medium silica. Low suggested shear in part, poor folistion. 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		DIKE - 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 breechated, lower core broken. LOST CONE 448.9-452.1	
	454.6		
454.6		ABORTHOGITY Mine grained relic to complete type feldspar 60-70%. Low pale greenish to black type chlorite matrix. Low carbonate alteration in part. Medium silica. Law 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 As above. Fine to medium grained relic to brecciated to complete type feldspar 80-90%. Low pale to dark green chlorite. Negligible carbonate. Medium to high eilica. Low patchy blaich alteration product occurring mostly in complete type feldspar. LOST CORE 482.7-485.0 " " 493.7-494.6	
	501.7		
501.7	510.2	DIKE - Altered Diorite. Modium 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.	

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #108

	POOTAGE	DES	CRIPTION	an Muran Marting and Alartan Alartan Alartan Muran Marting and Alartan Alartan Alartan Muran Muran Muran Alartan		en a seconda Managana da Santa
510.2		ANOHTHOSITE Fine to coarse gr feldspar 80-90%. fairly well devel	Many mediu oped. Low	n grain pale gr	ed felds eenish e	par laths hlorite
	529.1	matrix. Negligibl As above. <u>Sheared</u> feldspar in part chlorite alterati Medium shear, fai Small scattered w	. Fine gra 5-50%. Low on. Neglig r to good hite carbo	ined re to hig ible ca foliationate st	lic & co h black rbonate. on 50-60 ringers	mplete type Low silica. 0 to C.A. & several
	533.7	white quarta & ca Anorthosite. Fine feldspar. Negligi chlorite matrix. out containing lo foliation in some carbonate section	to medium ble to low Many small w to medium approx. 5	graine xkm pa sheare m black 5° to C	d relic le grey d sectio type ch .A Sme	type gresn ns through- lorite, fair ll medium
		pyrrhotite & chal			5	
	566.8	17 17				
566.8	00010	DYKE - Altered Di Medium grey in co carbonate alterat	lor. Fine ion. Mediu	m silic	a. Fine	grained
	569.6	White speckling t sharp but not too Dyke. <u>Feldspar Po</u> color. <u>Fine grain</u> Medium silica. Ma chilled contacts upper & lower in	clear. rphyry. Li ed. Massiv ny small w quite fine at 50° to	ght pal e. Negl hite fe graine C.A.	e greeni igible d ldspar j d but es	sh grey in arbonate. henos. Sharp
	577.5	LOST Dyke. Diorite. Da Porphyry. Finer g carbonate. Medium defined, upper 30	rained. Ma silica. C	in colo ssive. ontacts	r than a Low to a quite a	harp, easily
	583.5	Dyks. Feldspar Po color. Fine grain silica. Many smal quite sharp easil	rphyry. Li ed. Neglig 1 relic fo y defined,	ght to ible ca làspar upper	medium ; rbonate. phenos. 50° to (	Medium Contacts A., lower
	585.7	approx. 30° to C. in fractured lowe Dyke. Diorite. Me	r diorite dium grey	side of in colo	contact r. Fine	grained.
		Massive. Medium of speckling through	arbonate.	Meaium y carbo	silica. nate wit	Much fine th some
		feldspar. Contact lower chilled & i	ractured a	t appro	E. 45	to C.A.
	596.2	10.31	04113 6749	9-00411		
596.2		ANORTHOSITE Fine grained reli	e to compl	eta tvr	e felds	ear 80-90%.
		Low pale green & sections low blac Medium to high si shear, fair folis carbonate stringe	dark green k type chl lica. Smal tion 40° t	chlori orito. l scatt o C.A.	te matri Negligii ered sec contain	lx. Small ble carbonate tions low ing small
	614.4	barren. Low patch END OF HOLE	y bluish a	lterati	on produ	205.
	tar ada "da V da	ASSAY R	BJULT	3		
Lab. No.	Sample No.	Footage	Width	Au.	<u>Cu.</u>	
<b>JJ</b> 393	<b>#1416</b>	251.5-254.0	2.51	.02		Super no
JJ394	#1417	325.0-330.0	5.0	•01		3 002

406.5-408.2

#1418

JJ395

1.71

.01

PA	<u>GE #1</u>	DIAMOND DRILL LOG
		OBALSKI (1945) LIMUTED
HOLE NO.	#109	LOCATION 1100NW - 1325SW DATE STARTED May 27th, 1956
DIP	50 ⁰	LAT. DEP. DATE FINISHED June 15th, 1956
BEARING	35 ⁰	ELEVATION LOGGED BY A.E. Oakley
Dep <b>th</b>	856.0 Pt.	DIP TESTS 51.0° at 200 Ft51.5° at 400 Ft 50.0° at 600 Ft48.5° at 856 Ft.
	FOOTAGE	DESCRIPTION
0.0	65.0	CASING - Sand, Gravel & Boulders.
55.0	75.0	CASING - In Bedrock.
75.0	89.0	A NORTHOSITE Fine to medium grained relic & brecciated to complete type felaspar 80-95%. Low greyish green chlorite matrix. Negligible amount of mauve & bluish alteration product. Low shear suggested in part.
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 & breceiated to complete type felaspar 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
	122.8	50-850.
22.8		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	
27.4	129.1	ANORTHOSITE Fine to medium grained relic & brecciated feldspar 80-85 %. Low greyish green chlorite matrix. Medium silica.
29.1	133.2	<u>DYKE - Peláspar Porphyry</u> 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		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	avriance' barroe acourting in octooners included at the
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
11	11	178.1-180.0
11	FF.	181.0-184.3
11	H	186.1-188.5
FT	Ħ	191.3-194.0
88	Ħ	197.3-200.0
11	11	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 par 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 siliga. 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.

314.0 Anorthosite. Fine grained relic & brecciated type feldspar variable 30-70%. Low pale green chlorite Water Seam 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 2 tered 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

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #109

FOOTAGE		DESCRIFTION
		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
	20101	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, pogr to fair foliation, variable 20 to
		possibly 50 to C.A.
	527.4	
	967.4	
		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 & veinlet
		some with negligible amounts of pyrrhotite &
		chalcopyrite.
	547.2	hOST CORE 533.2-535.0 Anorthosite. Sheared. Low alteration. Fine to medium
	947.6	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
	500 0	foliation approx. 15° at 547.2 and 40° at 588.0
MINERALIZED	588.0	Anorthosite. Mineralized Vein System. Fine to medium
ZONE		grained relic & brecciated feldspar in part throughout
		50-70%. Low pale greyish green chlorite in part through
		-hout. Scattered sheared sections containing dark gre
		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
	690 0	& 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	

682.5

ANORTHOSITE Fine to coarse grained relic & brecciated type feldspar laths 70-80%. Medium dark green chlorite matrix. Low carbonate in part. Medium silica. Low

,

FAGE #4

DIALGHD DRILL LOG

OB-LSKI (1945) LIMITED

HOL: NO. #109

FOCTAGE		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 <b>.D</b>		AMONTHOSITE 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		
	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	
MINERALIZED ZONE	756.5	with low amount of pyrrhotite & chalcopyrite. 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	
	778.3	between 765.2-768.1 barren. Low to medium sulphides in carbonate rich material between 758.2-764.1 Anorthosite. Mainly fine grained almost complete type feldspar 80-95%. Negligible pale green chlorite. Negligible carbonate. Medium to high silica. Negligibl black type chlorite in smal minute fractures. Low shear suggested, poor foliation.	
	785.2		
785.2	787.6	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	791.8	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	

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO .#1.09

Contract of the second se Second second s	FOOTAGE	DESCRIPTION	
	796.5	talcose, medium sericitized. Many su sized carbonate & quartz stringers a mineralized with medium pyrite & cha some pyrrhotite. Anorthosite. Mainly fine grained all feldspar 80-95%. Negligible to low y Medium to high silica. Small scatter sections highly serpentinized & ser approx. 25-35° to C.A Negligible pyrrhotite & chalcopyrite associate bluish type alteration product. Note:- One small grey diorite dyke in at 50° to C.A. containing low am pyrite.	& veinlets alcopyrite with most complete type pale green chlorite red sheared icitized, in at to low sulphides, d with spotty between 813.5-814.3
	890 • 2	END OF HOLE	
		ASSAY RETURNS	Cm
Lab. No.	Sample No.		Cu.
	#1419	512.0-513.0 1.0' .01	

#1419	512.0-5	13.0 1.0'	.01	
#1420	548.3-5	51.0 2.7"	.01	0.100
#1421	588.0-5		.01	
#1/22	590.7-5	92.4 1.7	.02	0.350
1423	592.4-5		.01	
#1424	594.2-5		.01	
#1425	596.6-6		.01	0.100
#1426	600.8-6	03.2 2.4	. 02	0.350
#1427	603.2-6	04.9 1.7'	.01	0.050
#1428	604.9-6		.02	1.750
#1429	606.6-6		.01	
#1430	609.5-6	12.3 2.8'	.01	
#1431	612.3-6		.01	0.080
<b>非143</b> 2	616.9-6	21.0 4.1'	.01	0.300
#1433	621.0-6	22.7 1.7	.01	0.050
#1434	628.7-6	23.7 1.0'	.01	0.600
#1435	623.7-6		• 01	0.250
1436	626.8-6		.01	
#1437	629.7-6	32.2 2.5'	• 01	0.650
1438	632.2-6		.03	1.000
#1439	634.7-6		•01	
#1440	635.8-6		.01	0.250
1441	638.1-6		.01	
41442	641.6-6	46.6 5.0"	•01	
#1443	646.6-6		• 01	0.150
#1444	651.0-6	53.7 2.71	.01	0.300
#1445	653.7-6	57.5 3.8	• 01	0.400
1446	657.5-6	560.7 3.2ª	.01	0.150
#1447	660.7-6	363.6 2.9ª	•01	0.750
#1448	663.6-6		.01	0.400
#1449	665.4-6	568.5 3.1'	. 01	0.150
#1450	668.5-6	570.0 1.5	.02	0.900
#1451	670.0-0	674.0 4.0	.01	0.100
#1452	674.0-6	679.5 5.5'	• 01	0.050
#1453	705.4-			
#1454	721.7-	726.7 5.0		
#1455	726.7-			
1456	758.2-			
#1457				
#1458	775.9-			
#1459	792.0-	796.5 4.51		



- 4	PAGE #1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	<u>#110</u>	LOCATION 3820N - 3000SW DATE STARTED May 26th, 1956
DIP	45 ⁰	LAT. DEP. DATE FINISHED May 31st, 1956
BEARING	350	ELEVATION LOGGED BY A.E. Oakley
DEPTH	458.6 Ft.	DIP TESTS 41.0° at 458 Feet.
	Foota ge	DESCRIPTION
0.0		CASING - Bedrock Setup.
0.0	3.5	CADING - Bedrock Betup.
3.5		A MORTHOSITE 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 feliation. 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.
	111.3	LOST CORE 109.1 - 110.0
111.3	114.2	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	165.4	ANORTHOBITE 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
	100.4	
165.4	360.2	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	215.5	A MORTHOSITE Fine grained relic & breeciated 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		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)

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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 modium 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.
	236.6	LOST CORE 231.5 - 232.4
236.6		ANORTHOSITE Fine to medium grained rolic & 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°
	319.5	to C.A.
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
	329.1	LOST CORE 325.2 - 327.8
329.1	372.6	AMORTHOSITE 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	01000	LYRE - Green Liorite. 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.
	391.3	Note:- Between 376.9-377.3 small intrasive Feldspar Forphyry Dyke.
201 2		A IN SPHART & J
391.3		A MORTHOSITE Medium grained relic & brecciated type feldspar 70-80%. Low pale greyish green chlorite. Low carbonate in part. Hedium silica. Small patchy mauve alteration product. Scattered white & greyish carbonate rich fractures. LOST CORE 396.6 - 397.9
	402.6	¹² ¹¹ 400.7 - 401.7

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #110

FOOTAGE		DESCRIPTION
402.6		DYKE - Grey Diorite Medium grey in color. Fine grained. Medium carbonate alteration. Low silica. Small scattered white carbonate quartz stringers & fractures, barren. Contacts definite
	405.0	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 grayish 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		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	125542/€U = 1256 5 € 54
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
	458.6	scattered white quartz veinlets, barren. END OF HOLE
		NO SAMPLES



r	PAGE #1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#111	LOCATION 3000NW - 13255W DATE STARTED June 1st, 1956
DIP	500	LAT. DEP. DATE FINISHED June 16th, 1956
BEARING	85 ⁰	ELEVATION LOGGED BY A.E. Oakley
DEPTH	522.7 Pt.	DIP TESTS 41.0° at 275 Ft 39.0° at 522 Ft.
	FOOTAGE	DESCRIPTION
0.0	53.5	CASING - Sand, Gravel & Hard pan.
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.
	195.5	disseminated pyrrhotite. Sections throughout medium grained fairly well developed breccisted feldspar laths 70-80% with feldspar content increasing towards 195.5 Anorthosito. 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	of fracturing, post forfactor.
207.2	211.3	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.
	44 starte ♥ \$4	NOTE: - Between 207.2 - 230.3 possibly Zone cut in Holes Cl & C2.
211.3		AMORTHOSITE Medium grained brecciated type feldspar 70-80%. Low dark grey green chlorite matrix. Negligible carbonate. Medium silica.
01 7 6	213.6	TRANS TO THE ADDRESS OF A DECISION OF A DECISIONO OF A DECIS
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	

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #111

4.

PC	OTAGE	DESCRIPTION
219.6	222.5	ANORTHOSITE Fine to medium grained relic & brecciated type feldspar. Low grey green chlorite matrix. Negligible carbonate. Medium silica.
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- <u>IZED ZONE</u> Note: Obal Landing Zo		Anorthosite. Low sheared, low alteration. Becoming darker in color. Relic & bracciated 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-
	281.2	278.5 barren. 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,
	345.0	mostly barren. One section between 322.0-333.0 containing appreciable amount of chalcopyrite. 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	417.3	DYKE - Altered Feldspar Porphyry Light grey in color. Fine grained. Sheared or fractured. Low carbonate in part. Medium silica. Many small carbonat 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		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

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLS NO. #111

	ASSAYRET	URNS		
SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
#1460	223.0-224.5	1.5"		
#1461	261.2-263.0	1.8"		
<b>#146</b> 2	263.0-266.8	3.81		
#1463	266.8-268.7	1.9"		
#1464	268.7-270.4	1.71		
#1465	270.4-271.4	1.0'		
<b>#14</b> 66	271.4-276.2	4.8"		
#1467	276.2-281.2	5.0"		
#1468	332.0-333.0	1.0*		
	#1460 #1461 #1462 #1463 #1464 #1465 #1466 #1466	SAMPLE NO.       FOOTAGE         #1460       223.0-224.5         #1461       261.2-263.0         #1462       263.0-266.8         #1463       266.8-268.7         #1464       268.7-270.4         #1465       270.4-271.4         #1466       271.4-276.2         #1467       276.2-281.2	SAMPLE NO.       FOOTAGE       WIDTH         #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'	SAMPLE NO.       FOOTAGE       WIDTH       Au.         #1460       283.0-284.5       1.5'         #1461       261.2-263.0       1.8'         #1462       263.0-266.8       3.8'         #1462       266.8-268.7       1.9'         #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'



* *	PAGE #1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#112	LOCATION 1000NW - 750SW DATE STARTED June 18th, 1956
DIP	50 ⁰	LAT. DEL. DATE FINISHED July 4th, 1956
	215 ⁰	ELEVATION LOGGED BY A.E. Oakley
		DIP TESTS 48.0° at 300 Ft 46.5° at 600 Ft.
and and an an link	100.0 20.	DIL 19210 - 20.0 41 000 10
na sa Salaharan Kanga na kana ang kana kana Karata tana kana kana kana kana kana kana k		
	FOOTAGE	DESCRIPTION
0.0	155.0	CASING - Sand, Gravel & Boulders.
155.0		A MORTHOSITE 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
	200.0	scattered white quartz veinlets up to .03, barren.
	220.0	amount of pyrite occurring in carbonate rich material.
		brecciated to complete type feldspar 80-95%. Legligible
		to low shear confined to small scattered sections, poor to fair foliation asprox. 40 & 50° to C.A Low patchy
	279.0	
		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
	461.5	small vugs.
	401 • D	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
	509.5	C.A., some with low black type chlorite. As above. Mainly fine grained relic & brecciated type
		feldspar 75-90%. Low pale gray 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
	538.8	filled fractures. Contacts quite sharp in at 45° to C.A.
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
	611.0	massive, less altered towards 611.0

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DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #112

FOOTA GE	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 irregul
616.	0
616.0	A MORTHOSITE 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	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.	
645.8	AMORTHOSITE Mainly fine to medium relic type feldspar 70-80%. Low pale gray 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. Mine grained. Massive. Medium carbonate. Modium silica. Many small carbonate rich fractures. Contacts sharp, lower shear & mineralized with pyrrhotite & pyrite, in at 50° to C.A.
658.2 673.	A MORTHOSITE 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	DYRE - 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	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
754.6 763.	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. O END OF HOLM MO SAMPLES
	Est Lo Standard OM

· • •	AGE #1	DIALOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#113	LOCATION 2450WW - 1650SW DATE STARTED June 18th, 1956
DIP .	50 ⁰	LAT DEP DATE FINISHED July 3rd, 1956
BEARING	2650	ELEVATION LOGGED BY A.E. Oakley
DEPTH	717.3 Ft.	DIP TESTS <u>48.5° at 200 Ft 48.0° at 370.0 Ft.</u> 46.5° at 650 Ft.
	FO OTA GE	DESCRIPTION
0.0	60.0	CASING - Sand & Gravel.
60.0		A NORTHOSITE 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	73.3	DYKE - FELDSPAR PORPHYRY TYPE Light grey in color. Fine grained. Massive. Negligible carbonate. Medium silica. Contacts sharp but broken.
73.3	121,5	shear. Tombstone type Anorthosite. LOST CORE 123.5-125.0
	198.0	shears in evidence, some containing white carbonate
Water Sea	m 266.0	filled fractures & negligible amount of cubic pyrite, in at 30-50° to C.A. 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:- Wall 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

(Add)

OBALSKI (1945) LIMITED

HOLE NO. #113

	FOOTAGE	DESCRIPTION
393.0	401.0	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	452.7	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 <b>.7</b>	520.1	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		ANORTHOSITE Mainly modium to coarse grained brecciated type feldspar with small sections of complete type feldspar 75-95%. Low to medium gray green chlorite matrix. Small scattered sheared sections containing black type chlorite & small carbonate rich fractures & veinlets,
	546.0	some containing medium amounts of pyrite, fair foliation approx. 35° to C.A.
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. Megligible sulphides occurring mostly in chilled
	585,4	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	638.7	<u>A MORTHOSITE - Zone of Small Shears</u> . 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 & quarts rich stringers & veinlets, good foliation but variable 20-40° to C.A., Negligible sulphides, mainly pyrite.
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.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #113

FOOTAGE

655.1

### 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

ANORTHOSITE Fine grained relic & complete type feldspar 80-95%. Low grey green chlorite matrix. Negligible carbonate. Nedium to high silica. Low patchy bluish alteration product mostly in complete type feldspar. As above. Several small sheared & altered sections containing scattered carbonate & quartz rich stringers

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 PACE Her



DIAMONDDRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #113

	ABSAY RET	URIS			
LAB. NO. SAMPLE 1	POOTAGE	WIDTH	Au.	cu.	AG.
#1486	265.0-270.0	5.01	TR.		0.180
#1467	272.5-275.0	2.5"	.05	1.600	0.560
#1488	275.0-281.0	6.0"		0.350	0.160
<b>#1489</b>	282.5-286.1	3,61	TR.	0-400	0.220
<b>#1490</b>	289.7-292.0	2.31	TR.	0.150	0.240
#1491	294.0-297.0	3.01	TR.	0.250	<b>0.</b> 580
#1492	297.8-302.8	5.0*	TR.	0.150	0.100
11493	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'
<b>11</b>		281.0-282.5	1.5"
17	71	286.1-289.7	3.6*
18	11	292.0-294.0	2.0'
17	58	297.0-297.8	.81

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



•	PAGE #1	DIABOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#114	LOCATION 3000NW - 21258W DATE STARTED July 3rd, 1956
DIP	50 ⁰	LAT. DEP. DATE FINISHED July 9th, 1956
BEA RI NG	850	ELEVATION LOGGED BY A.E. Oakley
DEPTH	420.7 Pt.	DIP TESTS 4 400.0 Pt. 46°.
I	EDATOO	DESCRIPTION
0,0	25.0	CASING - Sand & Gravel.
25.0	c) #w	ANORTHOSITE Fine grained relic type feldspar 80-85%. Low grey green chlorite matrix. Small scattered carbonate & ohlorite filled fractures.
27.5	27.5	DYKE - GREY DIORITE
		Medium grey in color. Bine grained. Massive. Negligible carbonato. Medium silica. Contacts quite sharp but broken.
	36.4	\$ <i>i i</i> . 5 <i>j</i> ∂ <i>i</i> , 57 <i>4</i> <b>4 4</b>
36 • 4	46.3	A MORTHOSITE 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	73.1	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		AMORTHOSITE 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		DYRE - OREY GREEN DIORITE Light grey to modium grey green in color. Fine grained. Massive. Megligible 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	162.5	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.
140 4		DANN - GBEA (TESNE DIOBIAS
162.5		Medium grey green in color. Fine to medium grained. Light grey in contact phases. Low chlorite. Low to medium

(COMPINUED)

# DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLD NO. 1114

FOOTAGE

## DESCRIPTION

carbonate. Modium 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 & chalcopyrito. Contacts quite sharp & chilled but core broken, possibly upper 15° to C.A., lower 30° to C.A.

193.4

193.4

ABORTHOSITE 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 foldspar 80-95%. Small
  - scattered white quartz & carbonate stringers & fractures, mainly barron.
- As above. Low sheared zone. Mainly fine grained relic type foldspar 70-85%. Low to medium grey green 358.8 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 U.A., with evidence of dragfolding. Little or no salphides.
- 393.5

393.5

# YKE - FELDSPAR PORPHYRY

Light grey in color. Medium grained. Massive. Low to medium carbonate in part. Medium silica. Many medium sized feldspar phonos throughout. Contacts quite sharp & chilled, upper in at 10° to C.A., lower badly broken.

419.3

419.3

### ANORTHOSITI

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



<i>P</i> 0.0	ootage	DESCRIPTION CASING - Sand, Gravel & Boulders.	
Hole No. DIP Bearing Depth	#115 50° 220° 128.0 Ft.	LOCATION <u>1150NW - 700SW</u> DATE STAR LATDEPDATE FINIS ELEVATIONLOGGED E DIP TESTSNO DIP TESTS	3HED July 18th, 1956
	<u>PAGE #1</u>	DIAMOND DRILL LOG OBALSKI (1945) LIMITED	

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



P	AGE #1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#116	LOCATION 2450NW - 1650SW DATE STARTED July 11th, 1956
DIP	750	LAT. DEP. DATE FINISHED July 21st, 1956
BEA RING	2650	ELEVATION LOGGED BY A.E. Oakley
DEPTH	696.9 Pt.	DIP TESTS 67.0° at 450 Ft 68.0° at 600 Ft.
	FOOTAGE	DESCRIPTION
0.0	53.0	CASING - Sand & Gravel.
53.0		A NORTHOSITE 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. Fatchy mauve & bluish alteration product. Scattered white quartz veinlets probably flat laying.
	151.0	
	209.0	As above. Becoming much finet 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
	237.2	patchy mauve alteration product.
237.2	252.4	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		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
	273.0	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 &
	350.8	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.
	354.0	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.
		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 (1948) LIMITED

HOLE NO. #116

P00	TAGE	DESCRIPTION
427.4	430.7	DYKE - GREY CUARTZ 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, barron. Contacts very sharp & chilled upper at 65°, lower at 75°, probably fairly flat laying
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.
	463 <b>.7</b>	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 t 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 plack 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 i disseminated form. Patchy bluich 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 materi mineralized with negligible amount of chalcopyrite & pyrite. Medium sheared approximately 45° to C.A., core badly broken.
	696.9	END OF HOLE

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

¥4	GE #1	• DIA	DIAMOND DRILL LOG						
		OBALSK	1 (1945)	LIMI	ME D				
HOLE NO.	#117	LOCATION 11				July 19th, 1956			
DIP	550	LAT.	DEP.		DATE FINISHED	July 26th,1956			
BEARING	220 ⁰	ELEVATION			LOGGED EY	A.E. Oakley			
DEPTH		DIP TESTS	No Dip !	Tests					
	53 ·				oda glevna kongolovska ini ene gradina og sa				
·	FOOTAGE		DESC	RI PTI (	DN				
0.0	220.0	<u>CASING</u> - San	d, Gravel	1 & Bo	oulders.				
220.0		Megligible p fractures th chlorite. Ne Medium silic ing in small pyrite & cha foliation 45 Note:- Above	grained : ale green roughout gligible a. Low to quartz a loopyrite to C.A zone bac OST CORE	relic n chlic carba carba o med: & carba a carba conta carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba carba	type feldspar prite matrix. aining medium onate, probabl um weathered bonate stringe lium shear, fa 229.0'. bathered with 8-222.6 4-229.3 8-235.6 5-235.6 5-235.6 1-242.7 2-245.7 4-248.1 4-256.1 7-258.6 5-260.7	Many small black type y weathered out. sulphides occurr- rs, probably			
	080 5		17 FT		1-268.5				
080 5	272.5	T- 100 - 100	TTan Imma + HITCH	1					
272.5	276.3		in color.	. Fine	grained. Neg harp but badly	ligible carbonate broken.			
276.3	21000	ANORTHOSITE	- Altere	d & W	atherad				
		Mainly fine pale green of chlorite occ medium shear A. at 312.5 weathered oc material, pr LC	grained hlorite , fair to . Low to courring to obably p ST CORE	relic matri: n sma o good o med: mostl; yrite 278. 280. 285. 287. 289. 291. 296. 297.	type feldspar to Low makeky Ll scattered f l foliation in lum sulphides with carbona & chalcopyrit 7-279.3 3-282.4 3-286.1 1-287.9 0-290.0 7-292.3 4-297.2 5-300.0	black type ractures. Low to part, 45° to C. very badly te & quartz rich e.			
	322.3	Fine grained green chlori chlorite occ carbonate de foliation po throughout, chalcopyrite quartz rich	relic t te matri: urring m creasing ssibly 5 mainly p in evid material	ype fox. Lot ostly towa: 5 to yrite ence	w dark grey to in small frac rds 347.0 . Lo C.A Low to with some pyr occurring in c	Low pale grey black type tures. Medium w shear, poor medium sulphides rhotite & arbonate rich &			
	347.0	Anorthosite.	Mainly	mediu		c & brecciated			
		formed but h	recciate	d. Loi		hlorite matrix. no sulphides.			

PA	IGE #1	DIAMOND DRILL LOG
DIP BRARING		GBALSKI (1945) LIMITED         LOCATION 1150MW - 700SW       DATE STARTED July 27th, 1956         LATDEFDATE FINISHED Aug. 1st, 1956         ELEVATION &LOGGED BY         DIP TESTS
Foo	TAGE	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		AMORTHOSITE - Altered & Weathered Mainly fine grained relic type feldspar averaging through- out 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 dissemin- ated 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
	349.0	quite small in places due to bit vibration. 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.



, <u>F</u>	PAGE #1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#118	LOCATION 3080NW - 1990SW DATE STARTED July 24th, 1956
DIP	55 ⁰	LAT. DEP. DATE FINISHED Aug. 2nd, 1956
BEARING	880	ELEVATION LOGGED BY A.E. Oakley
DEPTH	731.0 Ft.	DIP TESTS 52.5° at 300 Ft 48.0° at 600 Ft.
t an	FOOTAGE	DESCRIPTION
0.0	42.0	CASING - Sand & Gravel
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 85-35%. 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
	207.5	chlorite & carbonate rich material. 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 & brecclated 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
	246.8	C.A. Low sulphides occurring in carbonate rich material between 226.8-227.7 pyrrhotite, pyrite & some chalco. 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 <b>.7</b>	959 3	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

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DIAMOND DAILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #118

	FOOTAGE	DEBURIPTION
272.1		ANORTHOSITE Mainly fine to medium grained relic & brecciated type feldspar 70-85%. Low to medium groy green chlorite matrix, sections of medium to high black kisks 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
	350.1	carbonate. Medium silica. Becoming quite massive & very coarse grained from 338.0 on to 350.1
	990°T	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 & bracciated to complete type feldspar with small section of medium to coarse grained brecciated feldspar 75-95%. Low to medium pale grey green chlorite matrix. Negligib 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	bigance mergande comaras apreo
431.6		<u>DYKE - GREY GREEN DIORITE</u> Medium grey green in color. Fine to medium grained. Fairly messive. 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 & bracciated 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. Chhorite 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 quarts veinlets cut at various angles to
	545.0	C.A. 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. Scattgred white quartz veinlets, barren, cut at approx. 45 to C.A.

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #118

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ann	TAGE	
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And your dis-	title a contraction and	

## DESCRIPTION

- 600.2 Anorthosite. <u>Mineralized</u>, <u>Sheared & Altered</u>. 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 mice 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 dragfolding 40-15 to C.A.
- 629.5 As above. Fine grained relic type feldspar increasing & decreasing in sheared sections. Fale 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 272.0-274.7 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 HND OF HOLM

A.	5	5	in	Y		R	E	57	U	R	N	S	
Strengton and the	and in case of the local	and the second second	COLUMN TWO IS NOT	STREET, STREET	the state of a state of the sta	al constants	and in the second	A DESCRIPTION OF TAXABLE	the second s	No. of Concession, Name	State of Street,	-	-

				And a state of the	
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	and the star
	#1471	605.0-610.0	5.01	.02	0.00
	#1472	610.0-615.0	5.0*	.01	0.300
	#1473	615.0-620.0	5.01	.01	0.250
	#1474	620.0-625.0	5.01	.01	6-150
	#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	3.51	• 01	0.150
	#1478	636.0-638.0	2.01	.01	0.300
	#1479	638.0-641.5	3.5*	.01	0.100
	<b>#148</b> 0	641.5-642.5	1.0"	.01	0.850
NINES-QUES	#1481	642.5-644.0	1.5'	.01	
Sice -	#1482	644.0-646.0	2.0*	-01	0.350
N B CO	#1483	646.0-651.0	5.0"	.01	0.100
Cisnos-St	#1484	651.0-653.0	2.01	.01	0.150
	#1485	660.5-665.0	4.51	-01	-

. PAGE	<u>#1</u>	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#119	LOCATION 1055NW - 1385SW DATE STARTED Aug. 3rd, 1956
DIP	<b>50[°]</b>	LAT. DEL. DATE FINISHED Aug. 15th, 1956
BEARING	700	ELEVATION LOCGED BY A.E. Oakley
DEPTH	929.5 56518 Pt.	DIP TESTS 52° at 250 Ft 49° at 560 Ft.
Hole	Deepend D	Dember 1956
J.	OOTAGE	DESCRIPTION
0.0	62.1	CABING
62.1	62.7	DYKE - MELDSPAR 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	UNE I	ANORTHOBITE
		Fine to medium grained relic & brecciated to complete type foldspar 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 QUARTE DICRITE 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	
	179.5	
	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
	221.5	205.0-221.0 . negligible sulphides, disseminated pyrite. (CONTINUED)

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DIAMOND DRILL LOG

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OBALSKI (1945) LIMITED

HOLE NO. #119

	FOOTAGE	DESCRIPTION
221.5	22 <b>7.</b> 0	DYKE - ALTERED (Type Unknown) Yellowish grey in color. Fins 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		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
	236.0	pyrite. As above. <u>Altered &amp; Sheared</u> . 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	280.3	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	312.0	AMONTHOMITE - Altered & Sheared. Fine to medium grained relic & breccisted 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	313.5	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	365.0	AMORTHOSITE 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	372.6	DYKE - GREY QUARTS 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. (CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #119

	FOOTAGE	DESCRIPTION
372.6	396.5	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. 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 atringers & fractures, barren. Low shear, poor foliation except for small sections, possibly 45° to C.A.
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	
<b>429.7</b>	501.0	A MORTHOSITE - 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 As above. Becoming lighter in color, coarser grained. Fine to medium relic & breccisted type feldspar 75-85%. Medium carbonate decreasing slightly.
	507.3	
507.3	509.2	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		A HORTHOSITE 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	RHD-OF HOLE
		NO-SALETING
	NoTE: This	hole was deepened to 929.5 ft in November 1956 next gape.
	See	mar gage.



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DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLA NO. 119

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

F	DOTAGE	DESCRIPTION
563.8		ANORTHOSIZE - 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, fait 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 & chalco- pyrite.
	638 <b>.</b> 9	LOST CORE 607.4 - 608.7 Anorthosite. <u>Sheared &amp; Altered Zone</u> . 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 & quarts stringers & fractures. Low shear, poor to fair foliation at 30° to C.A. Minor sulphides in part, mainly cubic type pyrite.
	663.5	CARE NOT FOGS
663.5		DYKE - Grev Diorite Type
	Ŀ	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	The second
669.6	703.5	Low pale grey green chlorite. Medium carbonate. Medium silica. Fairly massive, eventextured. Not sericitic or
		LOST CORE 680.9 - 681.5
		697.0 - 698.9
	711.6	
711.6	716.0	<u>DYKE - Grey Diorite Type</u> 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.
16.0		ANORTHOSITE - Sheared & Altered Fine grained relic type feldspar 20-30%. Medium black
	729.0	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 sulphdees in part, cubic type pyrite. Anorthosite. Fine grained relic type feldspar 70-85%. Low pale gray 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.
	1	(CONTINUED)

PAGE NO. 5

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 119

	FOOTAGE	DESCRIPTION
	764.8	Anorthosite. <u>Sheared &amp; Altered</u> . (quartz Vein) Fine grained relic & ghost type feldapar 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:- <u>Mineralized Quartz Vein</u> between 766.0-771.5
	778.1	contains medium sulphides, mainly pyrite with low amounts of chalcopyrite. Several small black chlorite inclusions. Some white mice in evidence.
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	Concerning montum performances merura accesse areas Marrade
804.7	09.7.5	<u>DYKE - Grey Dicrito Type</u> 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	
81.3.5		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
		Anorthosite, Relatively unaltered. Fine to madium grained relic & brecclated type feldspar 78-85% 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
	and the second	

ASSAY RETURNS

PP 529 1536 766.0-771.5 5.5' TA	0.100	LC NO

1.1.1	77.4
	A REAL PROPERTY.
	S.

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO.	<u>#120</u>	LOCATION 4400 NW - 1750 SW	DATE STARTED	Aug. 9th,1956
DIP	550	LAT. DEP.	DATE FINISHED	Aug. 10th,1956
BEA RING	2150	ELEVATION	LOGGED BY	A.E. Oakley
DEPTH	87.0 Pt.	DIF TESTS No Dip Tests	and the second	administration and prototypical prototypical and an excercit system and a second

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 LO OBALSKI (1946) LIM	-	
HOLE NO.	#120A	LOCATION 44002W - 1755SW	DATE STARED	Aug. 10th,1956
DIP	55 ⁰	LAT. DEP.	DATE FIRISHED	Aug. 12th,1956
BEA RI NG	215 ⁰	BLEVATION	LOGGED BY	A.F. Oakley
der TH	30.0 Pt.	DIF TESTS No Dip Testa	and we have a second state of a second state of the second state of the second state of the second state of the	
POC	d'fa GE	DESCRIPTIO		

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



PAG	8 <i>4</i> 1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#121	LOCATION 4400NW - 2175SW DATE STARTED Aug. 13th, 1956
DIP	50 ⁰	LAT DEP DATE FINISHED Aug. 24th, 1956
BEARING	35 ⁰	
DEPTH	654 Ft.	DIF TESTS 46.5° at 300 Ft 44.0° at 600 Ft.
	004 000	DIF 15515 40.0 at 300 Ft 44.0 at 600 Ft.
FCO	TAGE	DESCRIPTION
0.0		CASING - Sand, Gravel & Boulders.
	55.0	
55.0	233.1	A MORTHOSITE 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.
235 •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	0176 <b>H</b>	ANCETHOSITE 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	261.3	<u>byke - GREY DIORITE</u> Medium grey in color. Fine grained. Massive. Low carbonate. Medium silica. Small scattered carbonate stringers, some containing minor amount of pyrhotite. Contacts quite sharp, upper in at 80 to C.A., lower badly broken.
0.0 m	20110	
261.3		ABORTHOSITE Mainly fine grained relic type foldspar 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 moneralized 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	364.0	<u>DYKE - GREY DIORITE</u> 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

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DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #121

	FOOTAGE	DESCRIPTION
264.0		DYKE - CREY GREEN DIC MITE 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	393.9	ANCETHOSITE Fine to medium grained relic type feldspar 75-90%. Low pale grey green chlorite matrix. Medium to high silica. Low patchy bluish alteration product. 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. Megligible carbonate. Low shear, medium
	401.3	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 leucozene. 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
	407.3	sulphides, mainly pyrite with some pyrrhotite & chalcopyrite. 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 manye alteration product between 409.6-410.8 containing medium fine
	417.5	sulphides, pyrite & chalcopyrite. Anorthomite. 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. Megligible 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.
149.3		Byke - GREY DIORITE Light grey in color. Fine grained. Hassive. Medium carbonate. Medium silica. Contacts very sharp in at 70 ⁰ to C.A.
450.6	450.6	ANORTHOSITE Fine to madium 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.
84.5	484.5	DYKE - GREY DIORITE Medium yellowish grey in color. Fine grained. Massive. Medium to high carbonate. Medium silica. Contacts very
	490.1	sharp in at 80° to C.A.

Monoral P

DIALOND DRILL LOG

OBALSKI (1945) LIMITED

HOLD NO. #121

4.0.0 0			CRIPTION		ting successive	
490.1	498.0	A MOHTHOSITE Fine to medium graine 75-90%. Mainly low gr carbonate. Medium sil texture.	ey green c	hlorite n	atrix.	Negligible
498.0		<u>DYKE - ALTERED DIORIT</u> Medium grey green chl Low serpentinized. Co mainly pyrrhotite wit Upper contact fused b quite sharp in at 60°	orite. Med ntains med h minor an ut sharp p	lium fine wunt of c	grained	sulphides
	501.1					
501.1		ABORTHOSITE Fine to medium graine 75-95%. Low grey gree chlorite in part occu Negligible carbonate. Note:- Small grey dio contacts very sharp,	n chlorite Fring alon Medium to rite dyke	matrix. 15 small i 16 high sil between f	Low bla ceacture ica.	ck type s.
	518.7	to C.A.				
518.7		<u>DYKE</u> - <u>GREEN DIORITE</u> Medium grey green in green chlorite. Mediu Much fine grained spe Contacts very sharp &	m carbonat ckling thr chilled.	e in chil conghout. upper bro	led pha mainly ken in	ses only. feldspar.
	536.6	to C.A., lower alight	ry rusau a	16 <del>16</del> 0 10	U.H.	
536.6		AMONTHOSITE - Sheared Fine to medium graine type felaspar 75-95%. part. Medium to high	d relic & Low grey black type	green chl	orite m	atrix in
		sections. Medium shea C.A., fairly consists contain many small wh with low amount of py amounts of mauve type	nt through ite carbon rrhotite & alteratio	good fol hout. Shee hate & que b some cha	liation ared sec arts str accopyri	45-50° to tions ingers te. Medium
	590•0	C.A., fairly consists contain many small wh with low amount of py amounts of mauve type mineralized with pyri As above. Slightly le towards 654.0 ¹ , incr chlorite occurring al Increasing carbonate sulphides usually in	nt through ite carbon rrhotite & alteratio te. se green c oasing amo ong many s content to medium to	good fol out. Shea ate & qua bon product chlorite r ounts of a small frac owards end	iation red sec rtz str lcopyri usuall strix d rey to stures t of hol	45-50° to tions ingers te. Medium y finely ecreasing black type hroughout. e. Minor
	590•0 654•0	C.A., fairly consists contain many small wh with low amount of py amounts of mauve type mineralized with pyri As above. Slightly le towards 654.0 ¹ , incr chlorite occurring al Increasing carbonate	nt through ite carbon rrhotite & alteratio te. se green c oasing amo ong many s content to medium to	good fol out. Shea ate & qua bon product chlorite r ounts of a small frac owards end	iation red sec rtz str lcopyri usuall strix d rey to stures t of hol	45-50° to tions ingers te. Medium y finely ecreasing black type hroughout. e. Minor
LAB. NO.	654.0	C.A., fairly consists contain many small wh with low amount of py amounts of mauve type mineralized with pyri As above. Slightly le towards 654.0 ¹ , incr chlorite occurring al Increasing carbonate sulphides usually in pyrrhotite & chalcopy END OF HOLE.	nt through ite carbon rrhotite & alteratio te. ss green c easing amo ong many s content to medium to rite. TURMS	good fol hout. Shea ate & qua bon product chlorite r ounts of a mall frac wards end high blac	iation red sec rtz str lcopyri usuall strix d rey to stures t of hol ok chlor	45-50° to tions ingers te. Medium y finely ecreasing black type hroughout. e. Minor ite shears
LAB. NO.		C.A., fairly consists contain many small wh with low amount of py amounts of mauve type mineralized with pyri As above. Slightly le towards 654.0 ¹ , incr chlorite occurring al Increasing carbonate sulphides usually in pyrrhotite & chalcopy END OF HOLE.	nt through ite carbon rrhotite & alteratio te. ss green c easing amo ong many s content to medium to rite.	good fol out. Shea ate & qua besome cha on product chlorite r ounts of a small frac wards end high blac	iation red sec rtz str lcopyri usuall strix d rey to stures t of hol	45-50° to tions ingers te. Medium y finely ecreasing black type hroughout. e. Minor
LAB. NO.	654.0 Sample B	C.A., fairly consists contain many small wh with low amount of py amounts of mauve type mineralized with pyri As above. Slightly le towards 654.0 ¹ , incr chlorite occurring al Increasing carbonate sulphides usually in pyrrhetite & chalcopy END OF HOLE. <u>A S S A Y R E</u> C. FOOTAGE	nt through ite carbon Trhotite & alteratio te. ss green c oasing amo ong many s content to medium to Tite. <u>TURNS</u> <u>WIDTH</u>	good fol hout. Shea ate & qua bon product chlorite r ounts of a mall frac wards end high blac	Liation red sec rts str lcopyri usuall matrix d rey to tures t of hol k chlor	45-50° to tions ingers te. Medium y finely ecreasing black type hroughout. e. Minor ite shears
LAB. NO.	654.0 <u>SAMPLE B</u> #1496	C.A., fairly consists contain many small wh with low amount of py amounts of mauve type mineralized with pyri As above. Slightly le towards 654.0°, incr chlorite occurring al Increasing carbonate sulphides usually in pyrrhotite & chalcopy END OF HOLE. <u>A S S A Y R E</u> <u>596.3-401.3</u>	nt through ite carbon rrhotite & alteratio te. ss green c easing amo ong many s content to medium to rite. TURES <u>WIDTH</u> 5.0'	good fol hout. Shea ate & qua bon product chlorite r ounts of a mall frac wards end high blac	Liation area sec arts str accopyri usuall matrix d gray to tures t of hol ok chlor	45-50° to tions ingers te. Medium y finely ecreasing black type hroughout. e. Minor ite shears
<u>LAB. NO</u> .	654.0 <u>SAMPLE B</u> #1496 #1497	C.A., fairly consists contain many small wh with low amount of py amounts of mauve type mineralized with pyri As above. Slightly le towards 654.0 ^T , incr chlorite occurring al Increasing carbonate sulphides usually in pyrrhotite & chalcopy END OF HOLE. A S S A Y R E S96.3-401.3 401.3-404.3	nt through ite carbon Trnotite & alteratio te. ss green c easing amo ong many s content to medium to Tite. TURNS <u>WIDTH</u> 5.0' 3.0'	good fol hout. Shea ate & qua bon product chlorite r ounts of a mall frac wards end high blac	Liation red sec arts str lcopyri usuall strix d rey to stures t of hol ok chlor	45-50° to tions ingers te. Medium y finely ecreasing black type hroughout. e. Minor ite shears
LAB. NO.	654.0 <u>SAMPLE R</u> #1496 #1497 #1498	C.A., fairly consists contain many small wh with low amount of py amounts of mauve type mineralized with pyri As above. Slightly le towards 654.0 ¹ , incr chlorite occurring al Increasing carbonate sulphides usually in pyrrhotite & chalcopy <u>END OF HOLE</u> . <u>A S S A Y R E</u> <u>596.3-401.3</u> 401.3-404.3	nt through ite carbon Trhotite & alteratio te. ss green c oasing amo ong many s content to medium to Tite. <u>TURNS</u> <u>WIDTH</u> 5.0' 3.0' 3.0'	good fol hout. Shea ate & qua bon product chlorite r ounts of a mall frac wards end high blac	Liation red sec arts str lcopyri usuall matrix d rey to tures t of hol k chlor 0.700 0.250	45-50° to tions ingers te. Medium y finely ecreasing black type hroughout. e. Minor ite shears <u>Cu.</u> 0.70° 0.250
LAB. NO.	654.0 <u>SAMPLE B</u> #1496 #1497 #1498 #1499	C.A., fairly consists contain many small wh with low amount of py amounts of mauve type mineralized with pyri As above. Slightly le towards 654.0°, incr chlorite occurring al Increasing carbonate sulphides usually in pyrrhotite & chalcopy <u>END OF HOLE</u> . <u>A S S A Y R E</u> <u>596.3-401.3</u> 401.3-404.3 404.3-407.3	nt through ite carbon Trnotite & alteratio te. ss green c easing amo ong many s content to medium to Tite. TURES <u>WIDTH</u> 5.0' 3.0' 2.2'	good fol hout. Shea ate & qua bar product the rite r ounts of a mall frac high blac	AG. 0.700 AG. 0.700 0.700 0.700	45-50° to tions ingers te. Medium y finely ecreasing black type hroughout. e. Minor ite shears

	PAGE #1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO. DIP BEARING DEP TH	<u>#122</u> <u>50°</u> <u>215°</u> 199.0 Ft.	LOCATION 2000MW - 1150SW       DATE STARTED August 17th, 1956         LAT.       DEP.       DATE FINISHED August 30th, 1956         ELEVATION       LOGGED BY       A.E. Oakley         DIF TESTS       No Dip Tests
PO	otage	DESCRIPTION
.0.0		DESCRIPTION CASING - Sand, Gravel & Boulders.

199.0

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

2	AGE <b>∦1</b>	DIAMOND DRILL LOG	
J -		OBALSKI (1945) LIMITED	
HOLE NO.	<b>\$123</b>	LOCATION 4700NW - E150SW DATE STARTED Aug. 26th, 198	56
DIP	500	LAT. DEP. DATE FINISHED Sept. 1st, 198	
BELRING	35 ⁰	ELEVATION LOGGED BY A.E. Oakley	
DEPTH	400.0 Pt.	0	Bi di Tanjalania
بادية .5. رغار ^م ميد ^م عني			
FO	DTAGE	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 carbons 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.	n. å.,
	152.5		
152.5	155.4	<u>DYKE</u> - GREY GREEN DIORITE (Altered) Light grey green in color. Low green chlorite. Medium thigh carbonate. Medium silica. Low sheared & fractured. Contacts very sharp, upper & lower in at 60° to C.A.	
3 6 6 4	200.42	THE LAND THE MENT OF A THE	
155.4	166.5	<u>ANORTHOSITE</u> <u>Mainly fine</u> grained relic & complete type feldspar 85- 95%. Negligible to low pale green chlorite. Medium to high black chlorite in sheared & fractured phases containing carbonate & quarts stringers & veinlets, minor sulphides, pyrrhotite & chalcopyrite.	
••••••••	100.0	an assessment and an an and the second state of the second state of the second state of the second state of the	
166.5	176.8	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, up & lower at 90° to C.A.	e
176.8		A NO RTHO SITE	
110.0		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 mauye alteration product in part. Many small dyke sections, grey type. Little or no shearing, fairly uniform texture throughou Minor sulphides, pyrrhotite & chalcopyrite occurring with mauye alteration product.	ut.
	247.5	er men en e	
247.5		<u>DYKE</u> - 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		

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #123

PO	OTAGE	DESCRIPTION
255.5	258.6	A MORTHOSITE 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	260.5	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	267.4	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		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	332.5 349.9 356.7	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 quit. 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. 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. Anorthosite. Fine to medium grained relic & brecciated t complote type feldspar 75-95%. Low grey green chlorite matrix. Negligible carbonate. Medium silica. Low patchy bluish alteration product. white massive, uniform.
356.7	359.3	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	381.0	A MORTHOSITE 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		<u>DYKE - GREY GREEN DIORITE</u> Medium grey to grey green in color. Fine grained, even textured. Low green chlorite, Medium carbonate. Much (CONTINUED)

(CONTINUED)

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #123

	POOTA GE	DESCRIPTION
	387.5	fine grained speckling. Contacts sharp, core broken.
387.5	396.9	A MORTHOSITE 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		DYKE - GREY (DIORITE) Light grey in color. Very fine grained. Medium carbonate. Medium sibica. Upper contact very sharp in at 50° to C.A.

ASSAN RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	cu.
	<b>#1504</b>	332.2-336.5	4.3"	. 01	0.050
	#1505	336.5-338.4	1.9"	.01	0.050
	#1.506	338.4-342.2	3.8"	Alter	****
	#1507	342.2-344.6	2.4"	.03	0.150
	#1508	344.6-349.9	5.31	Fr	Comp28



	DIAMOND DRIL @BALSKI (1945)		
HOLE NO. #124	LOCATION 2000NW - 15005	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. DIF TESTS No Dip Tests	an a	
Pootage	DESCRIPTI	ON	

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 - 1500SW DATE STARTED Sept. 10th, 1956
DIP 55 ⁰	LAT. DEP. DATE FINISHED Sept. 22nd, 1956
BEARING 35°	ELEVATION LOGGED BY A.E. Oakley
DEFTH 334.0 Ft.	DIF TESTS No Dip Tests
Bill dati rati ng Katalon ng Katal	
FOOTAGE	DESCRIFTION
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
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

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. 312.3 - 314.5316.2 - 317.3LOST CORE 12 11 318.4 - 320.0 17 321.6 - 323.8 325.0 - 326.1 11 11 12

has been leached out by water. Medium talcose in part,

tt. 11 327.0 - 328.0 328.6 - 331.1 14 11 334.0 END OF HOLE.

NO SAMPLES

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

PA	<u>GE #1</u>	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#125	LOCATION L9E - 900N DATE STARTED Sept. 4th, 1956
DIP	800	LAT. DEP. DATE FINISHED Sept. 7th, 1956
BEARING	-0150	BELEVATION LOGGED BY A.E. Oakley
DEPTH	281.0 Ft.	DIP TESTS 80.0° at 280 Feet.
Dur In	LOL OU P'L	DIP TASIS OU.U AL 200 Feet.
FO	OTAGE	DESCRIPTION
0.0	10.0	CASING - Sand
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°
	26 <b>.</b> 5	to C.A. 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.
00 F	04+0	
82,5		<u>GABBRO</u> - (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 &
	206.5	chalcopyrite. 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

DIAMOND DRILL LOG



OBALSKI (1945) LIMITED

HOLE NO. #125

FO	OTAGE	DESCRIPTION
219.5	281.0	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. END OF HOLE

ASSAY RESULTS

LAB. NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.	Zn.	Co.
	#1509	147.5-150.0	2.5'	Th			
	#1510	150.0-152.5	2.5"	Fr			
	#1511	152.5-155.0	2.5"	み			
	#1512	155.0-157.5	2.51	ħ			
	<i>#</i> 1513	205.5-206.5	1.0*	h			
	#1514	206.5-208.0	1.5"	Fr	0.100	0.100	0.094
	#1515	208.0-210.0	2.01	h	0.050	0.200	0.050



- <u>PA(</u>	<u> #1</u>	DIAMOND DRILL LOG
		OBALSKI (1945) LTMITED
HOLE NO.	#126	LOCATION Line 8E @ 1150N DATE STARTED Sept. 8th/56
DIP	55 ⁰	LAT. DEP. DATE FINISHED Sept.11th/56
BEARING 1	North on Li	ne ELEVATION LOGGED BY A.E. Oakley
DEPTHE 2	275.0 Pt.	DIP TESTS 50.0 at 275 Ft.
FOOT	AGE	DESCRIPTION
0.0	8.0	CASING - Sand.
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
	70.5	part 40-45° to C.A. As above. Probable Fault Zone. Becoming more sheared &
	10+0	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.
	86.0	Some minor sulphide, chalcopyrite at 84.8'
00.0	00.0	4. 30.00
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
	150.0	foliation in part mainly 40° to C.A. 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	170.5	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		DYKE
11000	180.0	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.
100.0	172.0	THE COLOR METERS TATIONS THE LOLD - M. A.A.S.
172.0		MOCK 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	

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #126

Contra The deglard sectors the sector of the	FOOTAGE	DESCRIPTION
177.2		DYKE Same as above dyke. Feliation & 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		EOCK TYPE INDEFINITE - (Frobably 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 aragfolding, angles to C.A. very contorted & variable. Foliation ends abruptly
	3 47 3	at 191.1'
	191.1	
191.1	203.9	QUARTZ GABBRO - Sheared. Dark grey green in color. Fine to medium grained. Medium dark green chlorite. Medium carbonate. Low silica. Low relic carbonated feldspar. 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.
567 0		
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
	211.3	& pyrrhotite.
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
	256.1	medium sized carbonate & quartz stringers, fractures & veinlets, barren.
266.1		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	The second

DIALOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #186

FOOTAGE	DESCRIPTION
260.3	QUANTZ GABBRO Dark green in color. Pairly fine grained. Medium green chlorite. Medium carbonate. Low silica. Much fine grained leucoxene speckbing. 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.
2	5.0 END OF HOLE

	A 3	SAY RET	URNS				
LAB. NO.	SAMPLE NO.	FOOTAGE	WILDITH	<u>Au</u> .	Cu.	Zn.	Co.
	#1516	172.0-177.2	5.2*	Th			
	#1617	203.5-206.5	3.0"	.05	1.500		
	<i>#</i> 1518	206.5-208.0	1.5*	L	0.300		
	<b>#151</b> 9	208.0-211.6	3.6'	X	0.500		
	#1520	203.5-211.6	8.1'			F	Z



ł	AGE #1	NT MOTO TOTT TOO
	•	OBALSKI (1945) LIMITED
HOLE NO.	#12 <b>7</b>	
	700	LOCATION Line 8E - 1150N DATE STARTED Sept.12th,1956
DIP		LAT. DEP. DATE FINISHED Sept.15th,1956
		LOGGED BY A.E. Oakley
BRIE	358.5 Ft.	DIP TESTS 65.0° at 350.0 Ft.
1	and a state of the	
	FOOTAGE	DESCRIPTION
0.0	6.8	CASING - Sand
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
	67.0	type pyrite with some chalcopyrite. 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	
		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
	154.1	lost in ground core, lower brecciated.
	*****	a . 19 19 79 A
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.
	193.5	
		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
	3.6.5.4	cubic pyrite in contact.
	196.0	Same as above between 154.1-193.5 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

(PAGE #2)

....

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE #127

FOOTA	0k	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
	227.9	along slip faces, probably molybdenite, definitely not graphite.
227.9		CARBONATE QUARTS VEIN 75% carbonate, 15-20% quarts. 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 Pault showing two directions of dip, one contrary to the other. Same rock type both sides.
	246.2	
246.2		CARBOMATE QUARTZ SIDERITE VEIN 75% grey carbonate with quartz & iron carbonate. Low t 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	Actu Wateriar 19 Ducator, Show totiction of the cer
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. Hossibly 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 <b>.9</b>		DYKE - GREEN DIORITE Dark green in color. Very fine grained. Massive. Medius 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 leuconene alteration product. Scattered white carbonate & quartz stringers & fractures. Low shear in part. fair foliation 30-40° to C.A.
	91 K.O. K.	END OF HOLE

DIAROND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. \$127

	Star of Star Star Star Star Star	J D AL A A D	<u> </u>	5	
LAB.NO.	SAMPLE NO.	FOOTAGE	WIDTH	Au.	Cu.
	\$152 <b>1</b>	194.0-195.0	1.0'	to	1.250
	#1522	207.0-208.5	1.5'	F	0.200
	<b>#1523</b>	213.1-216.4	3.3'	z	0.050
	#1524	223.9-227.9	4.0'	F	0.150
	#1525	227.9-231.0	3.1'	ħ	6.250
	#1526	231.0-233.0	2.0*	L	0.100
	<b>#1527</b>	246.0-248.0	2.0'	.01	0.250
	<b>#1528</b>	248.0-250.0	2.0*	L	0.300
	<b>#15</b> 29	290.0-292.5	2.5	ħ	0.200
	#1530	315.0-318.5	3.51	.025	0.050

ASSAY RESULTS



~*	PAGE #1	DIA MOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#128	LOCATION Line 6E - 1515N DATE STARTED Sept. 17th, 1956
DIP	5 <b>6</b> 0	LAT. DEP. DATE FINISHED Sept. 25th, 1956
BEARING	N27 ⁰ E	ELEVATION LOGGED BY A.E. Oakley
DEFTH	500.0 Ft.	DIF TESTS 48.5° at 250 Ft 42.5° at 500 Ft.
FO	DTAGE	DESCRIFTION
0.0	56.5	CASING - Sand & Gravel.
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.
	118.8	LOST CORE 91.1 - 95.0
118.8	129.1	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		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		<u>DYKE - Green Diorite Type</u> 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	parburace, barree In arecourticator forme
197.5	5.17 4 17	QUARTZ GABBRO Dark grey green in color. Becming 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.
26.	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. through- out. Contact phases much finer grained & more chloritized. Contacts very sharp, upper & lower at 45° to C.A Much fine speckling throughout probably
	275.5	leucoxene. Little or no sulphides.

275.5

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. Regligible 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. <u>Sheared with low alteration</u> . Becoming some- what 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
	367.8	sheared sections, mostly pyrite with minor chalcopyrite.
367.8	720 0	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	
869.9		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 disseminate pyrite. Low shear, fair to good foliation approx. 50° to C.A.
	389.6	
389.6	393.8	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		QUAHTZ GABBRO
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	396.0	AS above.
<b>396 •</b> 0		<u>DYKE - Green Diorite Type</u> Dark grey green in color. Very fine grained. Low sheared fair foliation 60° to C.A Medium green chlorite. Medium carbonate throughout. Low silics. Small scattered white carbonate filled stringers at 60° to C.A Contacts very sharp, upper & lower at 60° to C.A.
	399.6	consects for anothe when a that as on one.
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
	436.5	pyrite with some chalcopyrite. <u>Gabbro</u> . 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 veihlets, barren. Low fracturing suggested, mainly fairly massive. Minor

FOOTAGE

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #128

#### 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

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'			
	<b>#1535</b>	389.5-394.5	5.0"			



1.4	TAGE P1	DIAMOND DRILL LOG
		OBALSKI (1945) LIMITED
HOLE NO.	#129	LOCATION 1700NW - 800SW DATE STARTED Sept. 24th, 1956
DIP	60 ⁰	LAT. DEF. DATE FINISHED oct. 13th, 1956
BEARING	2159	ELEVATION LOGGED BY A.E. Oakley
	902.1 Pt.	
Dep te	<u>902-1 50</u> -	DIF TESTS <u>61.5° at 250 Pt 60.5° at 500 Ft.</u> 57.5° at 750 Ft.
	an ann an an amar dha dhaan ann an	
JPO.	OTAGE	DESCRIPTION
0.0	210.0	CASING - Sand, Gravel & Boulders.
210.0	320.0	A MORTHOSITE 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. 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
	342.5	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	343.5	DYKE - Grey Diorite Type Light grey in color. Fine grained. Medium carbonate. Contacts very sharp but fused.
343.5		ANONTHOSITE 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	( TISOPATER.
378.3	380+6	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		A NORT HO SIT E
	400.0	As above. Anorthosite. <u>Sheared &amp; Altered Zone</u> . 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
	436 • 2	<ul> <li>432.2 - 433.4</li> <li>434.5 - 456.2</li> <li>Note: - Little or no evidence of mineralization throughout this zone.</li> <li>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. &amp; 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</li> </ul>
		With mineralized carbonate stringers at approx. SO to C.A (CONTINUED)

(CONTINUED)

70

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	491.3	AEORTHOSITE As above from 455.0 - 486.1
4.00 0		TO REPORT OF A DAMA AND A
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	548.0	A MORTHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Fairly massive texture. Low pale grey green chkorite matrix. Low carbonate. Medium silica. 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
	637.5	" <b>565.6 - 567.</b> 0
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		A NO ATHOSITE Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low pale grey green chlorite matrix. Medium silics.
	649.5	
	665.9	(CONTINUED)

FAGE #3

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. #129

681.1	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.
	the stand of the same
691.0	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. Anorthosite. Low Altered, Sheared in part. Mainly fine
	to medium grained relic & bracelated type feldspar 80-957 Low grey green chlorite matrix. Low to medium carbonate in part. Berpentinized 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	
774.5	DYKE - Grey Diorite Type Madium 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.
<b>8</b> 39 <b>.7</b>	L NO FTHCSITE Mainly fine grained complete type feldspar 80-95%. Low patchy grey chlorite matrix. Low carbonate. Medium silic Fairly uniform texture. Some white mica in evidence occurring mainly in or near white quarts veins. Several small scattered dyke fragments, grey diorite type.
00201	
863.3	DYKE - Grey Diorite Type Same as above dyke 766.1-774.5 . Contacts fairly sharp but core badly broken.
873.5	AS above from 774.5-859.7
	DYKE - Grey Diorite Type Medium grey in color. Fine grained. Medium carbonate. Much fine grained speckling throughout. Contacts sharp a 30° to C.A.
875.6	
	A NO RTHO SITE
	691.0 766.1 774.5 839.7 863.3 873.5

NO SAMPLES

*	Page #1			
4		DIAMOND DRILL LOG	•	
		OBALSKI (1945) LIMIT	ЪD	
HOLE NO.	#130	LOCATION Line 10E - 750M		Sept. 27th.1956
DIP	50 ⁰	130 ft. west of line.		Oct. 1st, 1956
	N 27 ⁰ B		LOGGED BY	
		DIF TESTS 46.0° at 300		Asias Unkloy
DEFIN	040.0 10.	ML 19919 #0.00 GP 200	7001.	an yan dikan di kana da kata kata nakan da kata kata kata kata kata kata kata k
		an a		
	FOOTAGE	DE SCRIPTIO		
0.0	8.0	CasiNG - Sand.		
8.0		TRANSITION TYPE GABBRO Medium to dark grey in co matrix. Low carbonate con	lor. Medium gr	ey green chlorite
		type feldspar. Low silica orange leucoxene alterati white & pink carbonate &	content. Low on product. Sm quartz stringe	patchy white to all scattered
	28.5	color. Medium grey green altered feldspar 50-60%.	Gabbro. Becom chlorite matri: Low carbonate	x. Medium relic & content. Low
		silica. Low serpentingzed small to medium sized whi fractures & veinlets, som minor amounts of magnetit	te & pink carb e up to 1.0', e & pyrite. Lou	onate stringers, some containing # shear, poor
		foliation, more fractured yellowish leucoxene alter		Patchy white to
	89.0			
89.0		CABBRO Becoming darker in color. matrix. Weldspar content carbonate alteration. Low carbonate filled fracture containing minor amounts magnetite occurring in sm	accreasing 20 silica. Many s. stringers & of magnetite &	30%. Low to medium white, pink & grey veinlets, some pyrite. 30me
	126.7	Low shear, fair to good f	oliation in pa	rt 45-55° to C.A.
126.7		DYKE - Green Diorite Type		
		Dark grey green in color. Medium green chlorite. Me fracturing. 3mall scatter fractures. Contacts very C.A.	Fine grained. dium carbonate ed white carbo	content. Low nate filled
	136+2			
136.2		GABBRO Dark grey green in color. green chlorite matrix. Lo feldspar. Small scattered carbonate stringers, frac Fairly even distribution & fine grained magaatite. good foliation 25-55° to	w carbonate co white & greyi tures & veinle of leucoxene a Low to medium	ntent. Low relic sh quartz & ts, barren. ltaration product shear, fair to
	169.5			-
169.5		DYKE - Green Diorite Type Medium grey green in colo green chlorite. Medium ca Lighter in color & finer sulphides, mainly fine di magnetite. Contacts very 55° to C.A.	r. Fine graine rbonate conten grained in con sseminated pyr	t. Low silica. tact phases. Minor ite with some fine
	181.7			
181.7		GABBRO Dark grey green in color. green chlorite matrix. Me small white carbonate & q	dium carbonate	content. Many s, fractures &

DIAMOND DRILL.

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 55-50 to C.A.
- Gabbro. Sheared & Altered. Becoming much lighter in color. Low to medium green chlorite. Medium carbonate alteration. Fine grained minor relic feldspar. Minor 276.0 yellowish lencoxene 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.

Notel- 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 p 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. 424,1956
DIP	60 ⁰	LAT. DEP. DATE FINISHED Oct. 21st.1956
BHARING	21.50	
DID IH		DIP LESTS 60.5° at 250 Ft., 59.5° at 500 Ft. 56.0° at 750 Ft.
IF O	OTAGE	DESCRIP TION
0.0	133.5	CASING - Sand, Gravel & Boulders
133.5	134.0	<u>DYKE - Grey Diorite Type</u> Light grey in color. Fine grained. Sheared. Negligible carbonate. Medium silica.
	7940A	s New York, want 19 ye. You Mai Verhaux
134.0	141.5	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. As above. Becoming much comrser grained. Massive. Medium grained relic & brecciated type feldspar 75-85%. Low pale greyish green chlorite matrix. Low carbonate. Medium silica. Small scattered gheared sections with fair to good foliation at 40-50 to C.A. LOST CONS 165.0 - 167.5
	190.1	
190.1	194.0	<u>DYKE - Altered Grev Diorite Type</u> Light grey in color. Very fine grained. Medium carbonate alteration. Medium silica. Small scattered white feldspar phenos. Contacts sharp but badly broken.
94.0		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
		As above. <u>Sheared &amp; Altered</u> . Mainly fine grained relic to complete type feldspar 35-91%. Low pale green chlorite matrix. Medium to high carbonate. Low silica. Medium sericitic in part. Medium shear in part, good feliation 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 bluich 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 COME 381.2 - 383.1
		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

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 COME 381.3 - 383.0 417.4 - 420.0 糠 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 quarts & carbonate veinlets, barron. Minor sulphides, disseminated cubic type parite. Medium to high shear, low talcose, low sericitic type, good foliation but variable from 35-65° to C.A. As above. Mainly fine grained relic & brecciated type feldspar 80-95%. Low grey green chlorite matrix. 527.0 Medium silica. Low carbonate. Some black type chlorite occurring in small sheared sections containing low amount of carbonate & quartz rich material. Hinor sulphides, disseminated cubic type pyrite. Fair feliation at 35 to C.A. Note:- Strong talcose sericitic shist between 563.8-564.5 at 70-75 to C.A. 569.5 DYKE - Grey Diorite Type Light grey in color. Fine grained. Fairly massive. Medium to high carbonate content. Contacts sharp but 569.5 brecciated. 578.5 ANORTHOSITE - Sheared, Altered & Mineralized in Part. Mainly medium grained relic & brecciated type feldspar 578.5

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

<u>DYKE - Grey Diorite Type</u> 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

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 1.31

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			
	630.3	As above. <u>Sheared Alteration Zone</u> . 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		
	657.5	intense towards 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, <u>Altered &amp; Sericitized Zone</u> . 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°		
	725.0	to C.A.		
725.0	733.5	<u>DYKE</u> - <u>Grey Dicrite Type</u> Medium to light grey in color. Fine to medium grained. Medium carbonate. Much dark & light speckling through- out, possibly feldepar. Small scattered white carbonate quartz filled fractures, barren. Contacts sharp but core badly broken.		
733.5		ANORTHOSITE - Sheared. Altered & Sericitized Zone Pale greenish grey in color. Bine to madium grained relic & ghost type feldspar 60-35%. Low to medium dark greenish grey chlorite. Low silica. Medium carbonate alteration. Sericitized. Low talcose. Shall scattered white carbonate filled fractures. Medium to high shear, good feliation mainly at 30° to G.A. Note:- Btween 769.5-773.3 white a grey carbonate rich veinlet containing minor pyrite, pyrchotite & some chalcopyrite, cut at 5° to G.A.		
	773.3			
773.3	783.6	DYKE - Altered Grey Disrite 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.		

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

alian bana aga	FOOTAGE	DESCRIPTION
783.0	789.1	<u>ANORTHOSITE</u> - <u>Sheared</u> . Altered & <u>Sericitized</u> <u>Zone</u> As above. Medium to high shear, good foliation, fairly consistent at 35° to C.A. Note:- Between 783.6-786.0 grey carbonate veinletx, containing minor sulphides pyrrhetite, cut at approx. 10° to C.A.
	tos##	
789.1		DME - Altered Grey Diorite Type Same as dyke between 773.3-783.6 . Minor disseminated pyrite.
	795.0	£) J & & GC ●
795.0	876.5	ANORTHOSITE - Sheared, Altered & Sericitized Zone As above. Fine to medium grained relic & brecciated ghost type feldspar 30-85%. Low patchy dark grey green chlorite matrix. Medium carbonate. Low silica. Sections of relatively unaltered material not cericitized or carbonated. Medium shear, fair to good feliation, fairly consistent at 40-45° to C.A. Several scattered white quarts carbonate & grey quartz carbonate strs. & veinlets, some showing minor dragfolding, some minor sulphides, mainly cubic type pyrite. LOST CORE 870.0 - 875.0
	010.0	
876.5		<u>DYKE - Altered grey Diorite Type</u> As above dyke between 789.1-795.0 . Contacts sharp. Upper at 45° at C.A., lower broken.
	885.2	പ്പ്പെക് വിഷ് കണ്. നിര്ത് കണ്ടാക്ക് ഈ വുമുള്ളം വാണ് പയണ്ടുത്ത്.
885.2	895.4	ANORMOSICS 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 altear suggested, poor foliation. END OF HOLE
		The second second second
		NO SAMPLES TAKEN.



PAGE	NO. 1	DIAMOND DATE LOG		
		OBALSEI (1945) LIMITED		
HOLE NO.	1.32	LOCATION 1100RW - 1280SW DATE STARTED Oct. 15th,1956		
DIP	450	LAT. DEP. DATE FINISHED Oct. 27th, 1956		
BEARING	50	ELEVATION LOGGED BY A.E. Cokley		
DEPTH		DIP TESTS 50.5° at 250 Fast.		
	an de la seguine de region : service de la seguine : de la seguine de la seguine de la seguine de la seguine d Region de la seguine de la s			
FO	OTAGE	DESCRIPTION		
0.0	1.80.0	CASING - Sand, Gravel & Boulders		
180.0		AMONTHOSITE - 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.		
	201.0	LOST CORE 198.5 - 200.0 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 feliation,		
	222.5	probably 40-55° to C.A. Anorthosite. Fine to medium grained relic, breeciated 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	265.5	<u>DYKE - Grey Diorite Type</u> 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		ANORTHOSITE		
		Fine grained velic to canplete type feldepar 85-95%. Low pale grey green chlorite matrix. Negligible to low carbonate content. Medium silica. Fairly uniform texture throughouts		
-0 F	282.5			
282.5		<u>DYNE - Grey Disrite Type</u> 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 phenes. Contacts sharp but core broken, approx. 40° to C.A.		
1	288.3			
288.3	305.0	AMONTHOSITE 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 alightly coarser grained from 297.5° on. Anorthosite. Core becoming very badly broken with much lost core. Fins to madium grained relic, breeciated 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 39-45° to C.A. Some evidence of sulphides, probably cubic pyrite. Small scattered amounts of broken white quartz, barren. Appreciable amounts of white mice occurring mostly in small sheared sections. Hote:- Grey diorite type dyke between		
	450-10	310.7-313.4 (CONTINUED)		

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

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 chear 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.		
	470.0	LOST CORE 452.0 - 453.2 Anorthosite. <u>Sheared. Altered Zone. Mineralized in Part</u> . 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 pyrchotite 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. Hedium silica. Small scattered shears, fair to good foliation at 50 to C.A. LOST CORE 580.8 - 583.5		
	630.2			
30 <b>.</b> 2		DYKE - Grey Diorita Type Light grey in color. Fine grained uniform texture. Medium carbonate. Medium silica. Contacts sharp but broken.		
	632.1			
32.1	633.8	ANORTHOSITE Same as above from 548.0 - 630.2 END OF HOLE		
		HO SAMPLES		

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

	<u>133</u>	LOCATED 2000NW - 1150SW DATE STARTED Oct. 25rd. 1956 LAT. DEP. DATE FINISHED Nov. 9th. 1956
DIP BEARING	180°	ELEVATION LOGGED BY A.E. Oakley
DEP TH	<u>333 Ft.</u>	DIP TESTS <u>No Tests taken.</u>
FO	OTACE	DESCRIPTION
0.0	275.0	ASING - SAND, GRAVEL & BOULDERS.

275.0

ROCK TYPE UNRECOGNIZABLE Highly leached, rusted & badly broken. Only five feet of core was recovered. 333.0 HND OF HOLE

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

$\mathbf{PA}$	GE	NO		1
and the second second	Section 1497	ACCOUNT OF THE	<b>CORPORA</b>	ALC: NO

•		DIAMOND DRILL LOG	
		OBALSKI (1945) LIMI	<u>(TED</u>
HOLE NO.	134	LOCATION 1250NW - 1300SW	DATE STARTED Nov. 3rd .1956
DIP	48 ⁰	LAT. DEP.	DATE FINISHED Nov. 20th, 1956
BEARING	215°	ELEVATION	LOGGED BY A.E. Oakley
DESP TH	822.5 Ft.	DIP TESTS 45.0° at 350 F	t 43.5° at 700 Ft.
F00	TAGE	DESCRIPT	TON
0.0	170.0	CASING - Mainly Sand & Gra	vel.
170.0		carbonate content. Medium alteration product. LOST CORE 177 " " 182	green chlorite matrix. Low silica. Low spotty bluish
	192.0		
192.0		DYKE - FELDSPAR PORPHYRY T Medium grey in color. Fine Medium silica. Many small out. Contacts sharp, upper badly broken. LOST CORE 19	grained. Low carbonate. white feldspar phenos through- at approx. 50° to C.A., lower
	196.0		
196.0		Low carbonate content incr decreasing. Low to medium fair foliation, quite cont foliation at 214.0° at 55 white carbonate & quarts r probably flat laying.	grey green chlorite matrix. easing. Medium silica shear, sericitic, poor to orted in part, some fair to C.A Small scattered ich sections at 65° to C.A.,
	226.0	chlorite matrix, with small chlorite. Medium sericitic foliation quite contorted C.A. with some at 55° to C.	d. Fine grained relic & 0-80%, with sections of w to medium pale grey green 1 sections of black type shear in part, poor to fair in part. approx. 35-45° to
		mostly barren, one between amount of cubic type pyrite Note:- From 267.6-270.1 pro part.	268.3-270.1 contains low e. obably grey diorite dyke in
	282.0	LOST CORE 275.	9 - 279.5
282.0	283.1	DYKE - GREY DIORITE TYPE Medium grey in color. Fine Medium silica. Small carbon Contacts sharp, upper at 55	grained. Low carbonate. Late filled fractures. to C.A., lower at 45° C.A.
283.1		AROPHIO2700 _ 01	
signer to the de		ANORTHOSITE - Sheared & Alt Fine grained relic type fel	ered. depar 50%. Low grey green

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

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

all garden and the second second second	)TAGE	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
	710 5	& brecciated. LOST CORE 303.0 - 305.0 " " 310.0 - 311.2
	312.5	
31.2.5		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. <u>Sheared &amp; Altered Mineralized Zone</u> . 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
	356.3	small dyke remnants in part, fine grey diorite type. Anorthosite. <u>Sheared &amp; Altered</u> . 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 relie & ghost type foldspar increasing in part up to 70%. Still highly altered. Shearing as above. LOST CORE 385.0 - 385.9
415.5	416.5	DYAM - GREY DIORITE TYPE Light grey in color. Fine grained. Negligible carbonate. Contacts sharp, upper broken, lower at 60° to C.A.
416.5	460.0	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 scotions, one between 433.0-435.5 containing appreciable amount of pyrrhotite & chalcopyrite Anorthosite. <u>Sheared &amp; Altered</u> . Fine grained relic &
		ghost type feldapar 75%, increasing. Low pale grey green chlorite. Medium to high carbonate alteration. Low to medium sericitic. Many small dark blabs 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 & guartz rich stringers & fractures.
	501.8	the set of an and an an an an and an an an an and an and an and an and an an and an

DIAMOND DRILL LOG

OBALSEI (1945) LIMITED

<ul> <li>Medium cericitic. Many small carbonate &amp; quartz rich stringers &amp; fractures containing minor amounts of pyrrhotite in part. Low shear indicated, poor foliation.</li> <li>524.7 Anorthosite. <u>Sheared &amp; Altered</u>. Fine grained relic &amp; ghost type feldspar 70-80%. Low pale grey green chlorits 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.</li> <li>542.0 Anorthosite. <u>Sheared &amp; Altered</u>. Fine grained relic &amp; ghost type feldspar 60-70%. Low pale grey green chlorits in part. Low to medium dark grey to black chlorite. Medium to high carbonate alteration. Low to medium sericitic. Low to inclum 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 &amp; fractures, some containing minor pyrrhotite, pyrite &amp; chalcopyrite. LOST CORE 646.2 - 553.6</li> <li>570.0 Anorthosite. <u>Sheared &amp; Altered</u>. Fine grained relic &amp; ghost type feldspar 60-75%. Low pale grey green chlorit with some black type chlorite in part. Medium to high carbonate rich stringers &amp; fractures, some containing minor pyrrhotite, pyrite &amp; chalcopyrite. LOST CORE 646.2 - 553.6</li> </ul>	FOC	PACE	DESCRIPTION		
<ul> <li>Fine grained relie &amp; altered feldeger 50-60%. Low pale grey green chlorite in part, mainly medium black type ellorite alteration. Hedium to high envonate alteration indium sericitie. Lawy small earbonate &amp; quarts rich etringeru &amp; fractures containing miner asounts of pyrrinetite in part. Low near indicated, poor foliation etringeru &amp; fractures containing miner asounts of environments of pyrrinetite in part. Low near indicated, poor foliation etringeru &amp; fractures, containing miner asounts of environments of pyrrinetite in part. Low near indicated, poor foliation etringeru &amp; fractures, barrent et alteration. Hedium to high earbonate alteration, Kedium sericitic. Low to medium schear, fair foliation approx. 50° to C.A. Scattered white earbonate quarts filled fractures, barrents in part. Low to medium define the fractures, barrents in part. Low to medium define the stringers is fractures, some containing minor pyrrhetite, pyrite &amp; challon to high earbonate alteration. Low to medium sericitie. Low alloc in part. Low to medium scattered earbonate fieldspar 60-70%. Low pale grey green allorite with scattered earbonate alteration, pyrite is challonyrite. Loss form the stringers is fractures, same containing minor pyrrhetite, pyrite &amp; challonyrite. Loss form to good foliation indicated fainly consistent at 60° to C.A. with the are black type feldepar 60-70%. Low pale grey green allorit with scattere black type endorite, some containing minor pyrrhetite &amp; challonyrite.</li> <li>590.0</li> <li><u>DYME - GENY DIONITE TYPE</u> Light grey in color. First and purt scattered black type chlorite in part. Low dark grey to black type chlorite in part. Low dark grey to black type chlorite in part. Low dark grey to black type chlorite in part. Low dark grey to black type chlorite in part. Low dark grey to black type chlorite in part. Low dark grey to black type chlorite in part. Low dark grey to black type chlorite in part. Low dark grey to black type chlorite in the grained relic &amp; ghost type chlorite in part. Low</li></ul>	501.8	503.3	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.,		
<ul> <li>524.7 Anorthosite. <u>Bharred &amp; Altered</u>. Fine grained relie a ghost type feldapar 70-80%. Low pale grey green chlorit with some black type chlorite in part. Hedium to high earbonate alteration. Medium sericitic. Low to medium shear, fair foliation approx. 50° to C.A. Scattered white carbonate guarts filled fractures, barren.</li> <li>542.0 Anorthosite. <u>Sheared &amp; Altered</u>. Fine grained relie &amp; ghost type feldapar 60-70%. Low pale grey green chlorite in part. Low to medium dark grey to black chlorite. Medium to high earbonate alteration. Low to medium sericitic. Low stlice. Kedium shear, fair to good foliation mainly at 45° to C.A. but some at 30° to C.A. Scattered carbonate rich stringers &amp; fractures, some containing minor pyrthotite, pyrite &amp; chaltopyrite. Lows foldered &amp; <u>Altered</u>. Fine grained relie &amp; ghost type feldapar 60-76%. Low pale grey green chlorit with some black type of the in part. Medium to high earbonate alteration. Low scrigitic. 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 &amp; quarts vollets, some containing minor pyrthe.</li> <li>590.0 <u>DYNE - GREY DIORITE TYPE</u> Light grey in color. Fine grained. Medium carbonate alteration. Soveral small carbonate &amp; quarts filled fractures, barren. Contacts sharp but core broken.</li> <li>593.7 <u>AMORTHOSITE - Sheared &amp; Altered</u>. Fine grained relie &amp; ghost type delorie in part. Low dark grey to black type chlorite in part. Low dark grey to black type in the information of the present.</li> <li>617.0 Anorthosite. Sheared &amp; Altered.</li> <li>Fine grained relie &amp; some ghost type feldepar 10-50%. Low pale grey green chlorite in part. Low to redime shear, fair to be the down to be added the state of the some shear the state of the some shear to broken.</li> <li>593.7 <u>DYNE - GREY DIORITE TYPE</u> Light grey in color. Fine grained alteration. Low for the incast, the some containing men barren white carbonate &amp; Some ninor pyrite present.</li> <li>617.0 Anorthosite. <u>Shear</u></li></ul>	503.3		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 pyrrhetite in part. Low shear indicated, poor foliation.		
<ul> <li>542.0 Amerthosite. Sheared &amp; Altered. Fine grained relie &amp; ghost type feldspor 60-76%. Low pale gray green chlorite. Medium to high carbonate alteration. Low to medium corrictite. Low to medium ahear, fait to good foliation mainly at 45° to C.A. but some at 30° to C.A. Scattered carbonate rich stringers &amp; fractures, some containing minor pyrhotite, pyrite &amp; chalcopyrite. LOST CORE 646.2 - 555.6</li> <li>570.0 Anorthosite. Sincared &amp; Altered. Fine grained relie &amp; ghost type feldspor 60-75%. Low pale gray green chlorit with some black type chlorite in part. Medium to high carbonate at 50° to C.A. Scattered to fail to a some containing minor pyrhotite. Needium to high carbonate alteration. Low sericitic. Medium to high carbonate at 50° to C.A. Scattered blues for to c.A. Small scattered bluesh carbonate &amp; quarts veinlets, some containing minor pyrhotite &amp; chalcopyrite.</li> <li>590.0 DYNE - GREY DIONITE TYPE Light gray in color. Fine grained. Medium carbonate alteration. Several small carbonate &amp; quarts filled fractures, barren. Contacts sharp but core broken.</li> <li>593.7 ANORTHOSITE - Sheared &amp; Altered. Fine grained relie &amp; Fine grained relie &amp; carbonate &amp; carbonate &amp; some ghost type feldspar 10-50%. Low pale gray green chlorite in part. Low dark gray to black type chlorite increasing, to high black type chlorite force 05.0-615.0 ontaining much barren white carbonate. See minor pyrite present.</li> <li>617.0 Anorthosite. Sheared &amp; Altered. Fine grained relie &amp; ghost type feldspar 10-50%. Low pale gray green chlorite increasing to high black type chlorite increasing to high black type chlorite increasing to high black type chlorite force 05.0-615.0 ontaining much barren white carbonate. See minor pyrite present.</li> <li>617.0 Anorthosite. Sheared &amp; Altered. Fine grained relie &amp; in part. Nedium to high carbonate alteration. Kedium to high shear, part. Medium to high carbonate altered. Fine grained to high black type chlorite increasing to wards 622.5°. how pale gray green chlorite with some black chlor</li></ul>		524.7	Anorthosits. <u>Sheared &amp; Altered</u> . Fine grained rolle & 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		
<ul> <li>570.0 Anorthosite. <u>Sheared &amp; Altered</u>. Fine grained relie &amp; ghost type feldspar 60-75%. Low pale grey green chlorit with some black type chlorite in part. Medium shear, fair to good foliation indicated fairly consistent at 40° to C.A. with some at 50° to C.A. Shall scattered bluish carbonate &amp; quarts veinlets, some containing minor pyrrhotite &amp; chalcopyrite.</li> <li>590.0 <u>DYNE - GREY DIORITE TYPE</u> Light grey in color. Fine grained. Medium carbonate alteration. Several small carbonate &amp; quarts filled fractures, barren. Contacts sharp but core broken. 593.7 <u>ANORTHOSITE - Sheared &amp; Altered</u>. Fine grained relic &amp; 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. <u>Sheared &amp; Altered</u>. Fine grained relic &amp; ghost type fildspar lo-50%. 627.8 <u>ANORTHOSITE - Sheared &amp; Altered</u>. 618.7 <u>ANORTHOSITE - Sheared &amp; Altered</u>. 619.6 Just the first filled increasing to high black type chlorite increasing. 619.7 <u>ANORTHOSITE - Sheared &amp; Altered</u>. 619.6 Just the first filled increasing to high black type chlorite increasing. 62.6 Just the second of the second of the shear. 62.7 <u>ANORTHOSITE - Sheared &amp; Altered</u>. Fine grained relic &amp; ghost type chlorite increasing. 63.7 <u>ANORTHOSITE - Sheared &amp; Altered</u>. 63.7 <u>ANORTHOSITE - Sheared &amp; Altered</u>. 64.7 Just the second of the second of the shear. 65.0 Just type chlorite increasing. 65.0 Just type chlorite increasing to high black type chlorite from 50.0 Just the shear. 64.7 Just the second of the second of the shear. 64.8 Just the second of the second of the second of the shear. 65.9 Just type feldspar degreasing towards 622.5'. Low pale grey green chlorite with some black chlorite in part. Me</li></ul>		542.0	Anorthosite. <u>Sheared &amp; Altered</u> . 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.		
<ul> <li>590.0</li> <li>590.0</li> <li><u>DYME</u> - <u>GREY DIORITE TYPE</u> Light grey in color. Fine grained. Medium carbonate alteration. Several small carbonate &amp; quartz filled fractures, barren. Contacts sharp but core broken.</li> <li>593.7</li> <li><u>ANORTHOSITE</u> - <u>Sheared &amp; Altered</u>. Fine grained relic &amp; 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.</li> <li>617.0 Anorthosite. <u>Sheared &amp; Altered</u>. Fine grained relic &amp; 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.</li> </ul>		570.0	Anorthosite. <u>Sheared &amp; Altered</u> . 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 scricitic. 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		
Light grey in color. Fine grained. Medium carbonate alteration. Several small carbonate & quartz filled fractures, barren. Contacts sharp but core broken. 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.		590.0	All Marine and Annual Annua		
593.7 <u>ANORTHOSITE - Sheared &amp; Altered</u> . 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. <u>Sheared &amp; Altered</u> . 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.	590.0		Light grey in color. Fine grained. Medium carbonate		
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.		593.7			
617.0 Anorthosite. <u>Sheared &amp; Altered</u> . 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.	593.7		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		
622-5		617.0	Anorthosite. <u>Sheared &amp; Altered</u> . 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		
		622.5			

## DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

FOOT	CE DESCRIPTION
62	2.5 Anorthosite. Shared & Altered. Fine grained relic feldep 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 feliation but mainly at 30° to C.A Note:- Gradual decrease of black type
67	chlorite with gradual increase of grey green chlorite towards 675.5. 5.5 Anorthosite. <u>Sheared &amp; Altered</u> . 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
72	<ul> <li>decreasing somewhat, poor to fair foliation mainly at 45-55° to C.A.</li> <li>O.O Anorthosite. Fine to medium grained relic &amp; brecciated type feldspar 60-85% increasing. Fairly massive, eventextured. Low to medium pale grey green type chlorite</li> </ul>
	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.
79	7.5 Anorthosite as above. Fine to medium grained relic & breccieted 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.
82	2.5 <u>END OF HOLE</u> .

L	13. NO.	SAMPLE NO.	FOOTAGE	VIDTI	Alle	Cu.
P	P 919	1537	346.3-348.3	2.0"	. 01	0.05
	920	1638	348.3-351.3	3.0*	TR.	1.30
	921	1539	351.3-356.3	5.01	TR.	0.05
	922	1540	433.0-435.5	2.5	TR.	0.05

ASSAY RETURNS



DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

DEP TH	737.5 Ft.	DIP TESTS	at 350 Ft 52°.0 at	t 700 Ft.
BEARING	South on Line	ELEVATION	LOGGED BY	A.E. Oakley
DIP	550	LAT. DEP.	DATE FINISHE	Nov.25th.1956
HOLE NO.	135	LOCATION 1400NW	- 550SW DATE STARTED	Nov. 9th,1956

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

190.6

175.0

189.2

<u>DYKE - GREY DIORITE TYPE</u> Light grey in color. Fine grained. Negligible carbonate. Fairly eventextured. Contacts sharp but core badly broken.

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: - unite massive & fairly eventextured throughout. LOST CORE 226.0 - 228.5
  - 12 231.3 - 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 so at 35°. Low sericitic. to C.A. with some 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 & chelcopyrite.

LOST	CORE	286.2	-	288.2
18	48	290.0	-	290.8
=	iŧ	292.1	-	293.9
n	19			298.7
Fine	to	medium /		

Anorthosite. Fine to medium grained relic & brecciated to complete type feldspar 80-95%. Low pale grey green chlorite matrix. Low carbonate content. 316.1 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. throughout. Note: - Small grey dyke between 366.4-366.9 .

- PAGE NO. 2

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 135

	FOOTAGE	DESCRIPTION
	398.9	with very sharp contacts, upper at 20° to C.A., lower
	400.3	at 30° to C.A., medium serpentinized, contains medium white carbonate, barren.
		Note:- Several small mineralized fractures in the fitst few feet containing pyrite with some pyrrhotite, in at approx. 35° to C.A. Small scattered sheared & altered sections serpentinize
		throughout containing appreciable amounts of white carbonate & quartz, barren, foliation fairly consistent at 50° to C.A.
	534.0	Becoming finer grained with increasing amount of carbonate towards 534.0' Anorthosite. <u>Sheared &amp; Altered</u> . 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,
	543.0	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. Anorthosite. Low shear in past. 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	500 5	DYKE - CREY 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		<u>DYKE - Grey Diorite Type</u> Light grey in color. Fine grained. Medium to high carbonate content. Contacts sharp, upper brecciated, lower at 55° to C.A.
	593.7	
593 <b>.7</b>		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 <b>.</b> 5	
	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
	625.0	product. Anorthosite. Fine to medium grained relic & brecciated to complete type feldapar 85-95%. Low to medium dark

625.0 Anorthosite. Fine to medium grained relic & preculate to complete type feldspar 85-95%. Low to medium dark grey green chlorite matrix. Low carbonate content. (CONTINUED) DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

FOOTAG	DESCRIPTION
68	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	<u>DYKE - GREY DIORITE TYPE</u> 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	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.

	05	5.36	3 85	7.5	10.1	522	82	7	10	54
13	100	. 79	AX	11	254		6.0	50	3.4	1.73
the state	ter.	145	and the second s	and the second second	-		- WP	and the second second	and a state	and the second s

LAB. NO.	SAMPLE NO.	POOTAGE	MIDEL	Alle
60.224	1541	598,5-601.2	2.71	Fs.



PA	<u>re no. 1</u>				•	
		•	DIAMOND DRILL LO	G	•	
		OBAI	LSKI (1945) LIMI	TED		
NO.	136	LOCATION	1700NW - 1100SW	DATE	STARTED	Nov. 21 st. 1956
	55 0	LAT.	DEP.	DATE	FINISHED	Dec. 6th.1956

.1956 DIP 2150 A.E. Oakley BEARING ELEVATION LOGGED BY 488.7 Ft. DIP TESTS 54.5° at 488 Feet. DEPTH

FOOTAGE

281.0

DESCRIPTION

0.0

CASING - Sand, Gravel & Boulders

12 --鞣

281.0

HOLE NO.

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. LOS

104

32	CORE	283.0	•	290.0
		300.0		301.0
	t#	305.5	-	307 7
	摊	335.0	*	336.2
	样	337.0		338.7

Anorthosite. Fine to medium grained relic & brecciated 338.7 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
11	4	390.0	-	392.5
#	14	400.0	***	402.2
44	4P	404.0	-	405.0
11	耕	413.7		416.0
\$\$	- 11	418.0		419.0
-	#	420.0		421.2
14	H .	429.0	-	430.0
耕	11	433.4	-	434.0
Ħ	群	436.2	-	437.6
9	4	440.3	-	441.7
-	41	443.3	-	444.4
2 <b>2</b>	44	445.7	-	447.1
發	<b>教教</b>	448.1	-	451.3
数	雜	453.5	-	454.4
<b>X1</b>	-	455.0	***	456.0
41	雑	468.8	-	463.3

467.0

473.16

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 4 471.3 - 473.5

473.5

ANOR THOS I TH 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

		OBALSKI (1945) LIMIT	
HOLE NO.	ገ ሄማ		DATE STARTED Nov. 26th, 1956
	600		DATE FINISHED Dec. 2nd.1956
DIP			
BEARING	215 ⁰	0	LOGGED BY A.E. Oakley
DEP TH	<u>470.8 Ft</u> .	DIP TESTS <u>54.0° at 250 B</u>	st 49.5" at 470 Ft.
¥00	TAGE	DESCRIPTIC	
0.0	25.8	CASING - Sand & Gravel.	
25.8		DYKE - GREEN DIORITE TYPE Medium grey green in color.	Fine grained. Massive. Low
		greenish chborite. Negligit carbonate in contact phase.	ole carbonate with low
	77 0	contact sharp but broken.	nowimi piriode wower
	33,2	ል 'ውፐድኒማ', (መድርዮድ, ረ። <del>ቀ።</del> 2020)	
33.2		ANORTHOSITE Fine grained relic to compl Low dark grey green chlorid carbonate. Medium silica. I	te matrix. Negligible low fracturing in part
		between 30-40° C.A. Low ps alteration product. Note: 55.0-55.5 gmall blac	
	<b>60</b> 0	good foliation 40° to C.A.	a chiorice mear, lair to
	62.2		
52.2		DYNCE - GRAY DIORITS TYPE Medium grey in color. Fine carbonate except in finer g Medium silign. Small scatte Small scattered white carbo 60° to C.A Contacts sharp	red white feldspar phenos. onate stringers mostly at but core badly broken.
	74.2	LOST CORE 70.5	- 72.0
14.2		ANORTHOSITE Fine to medium grained reli feldspar 75-85%. Low to med matrix. Negligible carbonat LOST CORE 77.2	ium dark grey green chlorite se. Medium silica.
	77.9	Anorthosite. Sheared & Alte feldspar in evidence 5-10%. type chlorite throughout. H alteration. Low silica. Med good foliation although gui averaging 40° to C.A. Many white carbonate filled frac	red. Fine grained relic Medium dark grey to black Medium to high carbonate ium to high shear, fair to te contorted in part, small to medium sized tures, barren.
	102.1	relic feldspar immerging. L	o black chlorite decreasing.
	106.5	Anorthosite. Fine to medium complete type feldspar vary dark grey green chlorite ma Medium silica. Low patchy m product. Several small grey Note:- Between 125.0-129.0	relic & brecciated to ing 80-95%. Low to medium trix. Negligible carbonate. auve to brownish alteration diorite dyke gragments. low to high dark grey to
		black chlorite in sheared & foliation at 40° to C.A. Note:- Between 148.0-149.0 containing pyrite, cut betw Anorthosite. <u>Sheared, low a</u> grained relie to complete t grey green & pale green chl content. Medium silica decre	Carbonate quartz veinlet een 10 & 20° to C.A. <u>lteration</u> . Mainly fine ype feldspar 80-85%. Low orite matrix. Low carbonate

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

		OBALSKI (1945) LIMITED
		HOLE NO. 137
	FOOTAGE	DESCRIPTION
	221.7	Anorthosite. <u>Sheared. Altered &amp; Mineralized</u> . Fine grained relic & ghost feldspar in part 5-30%. Low to medium dark grey chlorite alteration. Low carbonate content. Low talcose. Low to medijm scrpentinized. Medium shear, fair to good foliation quite contorted in part, mostly consistent at 40-20° 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
	240.0	material. 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
	288.8	with some chalcopyrite.
288.8	359.5	<u>DYME</u> - <u>GREY DIORITE TYPE</u> 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	367.5	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. Anorthosite. Low shear, low alteration. Mainly fine grained relic type feldspar 65-95%. Low pale green chlorite. Low shear or fracturing, guite contorted in
	375.2	part. Small sections of low serpentinized material.
375.2		<u>DYKE - GREY DIORITE TYPE</u> 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
	364.0	

364.0



DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 137

	FOOTAG	e description
384.0	391.4	ANORTHOSITE Fine grained relic & brecciated type feldspar 85-90%. Low pale grey green chlorite matrix. Megligible carbonate. Medium silica. Small scattered white carbonate quarts filled fractures, barren.
391.4	409.7	DYME - 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	AMORTHOSITE 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. Hedium silica. Sections containing medium amounts of mauve alteration product. Several small dyke fragments. END OF HOLE

ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTAGE	VID TH	Au	Cu.
	1542	221.7-2.26.0	4.31	TR	0.200
	1543	226,0-230,5	4.51	TR	0.100
	1544	230.5-235.0	4.51	TR	0.100



		DIAMOND DRILL LOG
		OBALSEI (1945) LIMITED
HOLE NO.	1.38	LOCATION 2745NW - 1522SW DATE STARTED Dec. 3rd.1956
DIP	65 ⁰	LAT. DEP. DATE FINISHED Dec.13th, 1956
BEARING	21.5°	ELEVATION 73.0 Ft. LOGGED BY A.E. Oakley
DEP TH	650.0 F	
FO	OTAGE	DESCRIPTION
0.0	61.3	CASING - Sand, Gravel & Boulders.
61.8		ANORTHOSIZE 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 61.6 - 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		<u>DYKE - GREY DIORITE TYPE</u> 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		<u>ANORTHOSITE</u> 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		<u>DYKE - GREY DIORITE TYPE</u> Light grey in color. Fine grained. Low carbonate. Medium silica. Small irregular fractures, some containing minor pyrhotite. Contacts sharp, upper broken, lower at 50° to C.A.
385.2		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
	308.6	C.A. <u>Sheared &amp; Altered</u> . (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

314.5

FOOTAGE

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 138

2000	3 54 8	12.64	17.20	13.49	1335
1.35	626E.	184.3	1.00	1.1	160
-				-	

- 314.5 Anorthogite. Mainly fine grained relic & complete type feldspar SO-95%. Lew pale grey green chlorite matrix. Negligible carbonate. Medium silica. Low shear or fracturing suggested at 35-40° to C.A. <u>Sheared & Altered</u>. Fine grained relic feldspar in part 5%.
- 354.5 Medium black type chlorite replacement. Low carbonate neaturn black type chlorite replacement. Low carbonate alteration. Many white & grey corbonate & quartz rich fractures & veinlets. Low to medium subic type pyrite occurring mostly in carbonate quartz material. Medium shear, fair to good foliation at 30° to C.A. Anorthosite. Mainly fine grained relic to complete type feldepar 80-95%, with sections of medium to coarse brecciated type feldspar. Low pale groy green chlorite matrix. Negligible carbonate. Medium silica. Low patchy bluich alteration product. Several white quartz veinlets
- 356.3 bluish alteration product. Several white guartz veinlets, barren.

- LOST CORE 396.5 397.0 Sheared & Altered. Fine grained relic feldspar 5-25%. Medium to high black chlorite replacement. Medium 406.0 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.
- Anorthosite. Mainly fine to medium grained relic to 409.4 complete type feldspar with sections of medium grained brecciated type foldepar, 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., berron.

431.7

431.7

DYNE - 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

ANORTHOSITE 433.2 As above. 434.8

434.8

DYKE - FELDER R POIRHYRY As above dyke. Contacts sharp, upper & lover at 30° C.A. 435.9

435.9

501.1

ANORTHOSIZE Mainly fine grained relie to complete type feldspar 85-95% Low pale grey green chlorite matrix. Short sections of medium grained brecciated type feldapar. Negligible carbonate. Medium silica. Small scattered sheared sections containing black typs chlorite with white carbonate stringers, fair to good foliation 20-25 to C.A.

495.8

## DYKE - GRAY DIGAITE TYPE Light grey in color. Fine grained. Medium carbonate. 495.8 alteration. Medium silica. Contacts sharp, upper & lower at 20° to C.A. 499.5

499.5 AMORTHOSITE As above.

501.1

DYNE - ALTERED & SHEARED GREY DIORITE TYPE Light grey in color. Fine grained. Medium carbonate

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 138

eran pranopropra de la composición de l								
FOOTAGE			<b>MSCRIP</b> T	ION			<u></u>	
	alteration.	Medium	silica.	Medium	shear	or	banding.	good

foliation at  $60^{\circ}$  to C.A. Contacts very sharp, upper & lower at  $70^{\circ}$  to C.A.

504.2

504.2

ANORTHOSITE Mainly medium grained brecciated type feldapar with sections of complete type feldapar 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'.

Low Shear. Medium Alteration Zong. Fine grained relie & ghost type foldspar 30-50%. Medium pale grey green chlorite matrix. Low to high black type chlorite in part. 541.4 Medium to high carbonate alteration. Many white carbonate filled fractures. Sericitic in part. Low to medium serpents inized. 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 feldapar in part. Low altered feldapar 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 relie & ghost type feldspar inmerging b0-85%. 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 relie & brecciated type feldspar 65-85%. Medium dark grey chlorite matrix with sections of medium to high black type colorite. 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 madium 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 MEND OF HOLE.

SAMPLES ON MEXT PAGE

DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 138

# ASSAY RETURNS

LAB. NO.	SAMPLE NO.	FOOTACE	WIDTH	Alle	Cu
	1545	304.5-356.3	1.81	. 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	579.0-583.0	3.01	TR.	0.200
	1550	582.0-585.0	3.0*	-01	0.250
	1,551	535.0-588.0	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
DP	<u>55</u> °	LAT. DEP. DATE FINISHED Jan. 14th. 1957
BEARING	215°	ELEVATION 52.5 Feet LOGGED BY A.E. Oakley
DEP III	729.2 Ft.	DIR 1313 53° @ 300 fr 49°@ 600 fr 48° @ 729 fr.
FO	DTAGE	DESCRIPTION
0.0	80.7	CASING - Sand, Gravel & Boulders
80.7		ANOR MOSITE Mainly fine grained relic type feldspat, 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
	159.6	or fracturing suggested in part. Small scattered white q quartz voins in first 15 feet, barren. Minor sulphides, pyrite mostly in light grey fine grained material.
159.6		DYKE - GRAY DIOAITE TYPE Light grey in color. Fine grained. Medium carbonate. Medium silica. Small white carbonate filled fractures, some containing minor pyrite.
	162.0	
162.0		ANOR MOSITE 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	
211.4	213.6	DYGE - GREY DIORITE TYPE Light grey in color. Fine grained. Fairly massive. Medium carbonate. Medium silica. Contacts appear sharp but core badly broken.
21.3.6		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
	304.0	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 Anorthosite. Mainly fine grained complete type feldspar 90-95%. Kegligible 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 shears containing white carbonate with minor pyrite, cut at approx. 25° to C.A.
	393.7	(CONTINUED)

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DIAMOND DRILL LOG

OBALSKI (1945) LIMITED

HOLE NO. 139

P	OOTAGE	DESCRIPTION
393.7		<u>DYKE - GREY DIORITE TYPE</u> Light gray 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 COME 395.5 - 396.0
	397.1	
		a few class, series of an en classif
397.1		ANORTHOSITE Fine grained relic, brecciated & complete type feldsper 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
	492.8	
100 0		2549-25222 - 255-2523-25-25-25-25-25-25-25-25-25-25-25-25-25-
492.8		DYNA - GASY DICAITE TIME Medium grey in color. Fine grained. Fairly messive with small carbonate & quartz filled fractures, barren Negligible carbonate. Medium silica. Contacts sharp, upper at 30° to G.A., lower badly broken.
	496.2	
496.2	615.2	ANORTHOSITE - Medium Shear, low to medium Alteration Zone. Mainly fine grained rolic type foldspar with man sections of complete type foldspar 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 sulphidos, pyrite with some pyrrhotite. Mets:- One small carbonate veinlets between 500.0-500. contains almost massive pyrite. Anorthosite. Fine grained relic & breeciated with sections of complete type feldspar 75-95%. Low to medium dark grey green chlorite matrix. Megligible carbonate. Medium silica. Fairly massive uniform
	536.4	texture. Anorthogite. <u>Sheared &amp; Altered</u> . Fine grained relie 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 chear, fair foliation 30-45° to G.A.
	544.0	Anorthomite. 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. Anorthosite. <u>Sheared &amp; Altared</u> . 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 & chalecopyrite. Much lost core. LOST CORE 554.3-560.0 a 562.0-563.0 b 563.6-565.8
	E.0E 0	and a pro-

565.8

DIAMOND DRILL LOG

OBALSKI (1948) LIMITED

HOLE NO. 139

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 - 693.5
706.5	TOPT CATT 020°2 - 020°0
720.3	<u>DYKE - FELDSPAR PORPHYRY</u> 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.
725.6	AMORTHOSITE Fine to medium grained relic & brecciated type feldspar 30-95%. Low pale grey green chlorite matrix. Low carbonate. Medium silica. Fairly uniform texture.
	DYNE - GREY DIORITE TYPE Light grey in color. Fine grained. Contact phase chilled. Medium carbonate. Upper contact sharp but brecciated. END OF HOLE
	646.0 706.5 720.3

NO SAMPLES

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DIAMOND DETLL LOG

OBALSEI (1946) LINIED

		OBALSKI (1946) LIMITED
HOLE NO.	140	LOCATION 3000NV - 1580SW DATE STARTED Dec1956
DP	<u>65</u> °	LAT. DEF. DATE FINISHED Jan. 1401.1957
BEARING	21.60	ELEVATION LOCKED BY A.E. Oakley
DEP TH	622.5 Ft	• DIP TESTS 60° @ 300 Ar 55° @ 600 At
	OOTACE:	DESCRIPTION
0.0	50.G	CASING - Sand, Gravel & Boulders.
50.0		Aborniosize Fine grained relie & brecciated type feldspar 75-80%. Low dark grey to black type chlorite. Minor carbonate. Madium silica Small scattered rusted water seems.
	57.2	entretent lavy winds e provider to della and there are dealed by the theory that the
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		ANORTHOSITE Fine grained relic & bresciated to complete type feldspar 80-955. Minor pale green chlorite. Low to medium amounts of black type chlorite occurring in small fractures. Negligible carbonate. Low silica. Medium sulphides between 81.0-83.2 mainly pyrrhotite with some pyrite. Mote: - At 51.2 mainly pyrrhotite with some
	85.2	containing 20% dialeopyrite.
63.2		DIKE - GREY DIORITE TYPE - HINSAALIZED Medium to dark grey in color. Fine grained. Regligible carbonate. Medium silica. Medium fine grained sulphides, pyrthotite & pyrite with appreciable amount of chalcopyrite. Contacts sharp but badly broken.
	86.5	
86.5	95.5	ANORTHOSIZI Fine grained relic & brecciated type foldspar 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 grounts of chelcopyrite & pyrite occurring along graall fractures.
93.5		DYKE - GGY DIORITE TYPE - MINERALIZED
	101.0	Madium to light grey in color. Fine grained. Negligible carbonate except in small scattered fractures. Medium silica. Lew 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		ANORTHOSITE
		Fine grained relic type feldepar 80-95%. Low pale green chlorite matrix. Patchy sections containing low black type chlorite. Low sericitie in part. Low patchy bluigh alteration product. Negligible carbonate. Medium silica. Low shear indicated, poor feliation. Small scattered white quartz veinlets, some containing pyrrhotite.
	152.6	As above. Decreasing amount of green chlorite, increasing amount of black chlorite. Low carbonate increasing. Wear becoming more intense, yoor foliation. Minor stuphides in part, pyrite.

PACE NO. 2

### DIAMOND DRILL LOG

OBALSEI (1045) LIMITED

## HOLS NO. 140

	FOOTAGE	DESCRIPTION
	146.5	relic feldepar. 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 feliation, fairly consistent at 40° to 0.4. 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
	154.9	amounts of chalcopyrite & pyrrhotite with some pyrite. Anorthosite. Fine to medium grained relic & bracciated 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 quarts rich fractures. Contacts sharp, upper 25°, lower 40° to C.A.
	236.4	
236.4		ANORTHOSICE 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.
	31.5.0	Anorthosite. <u>Sheared &amp; Altered</u> . Mainly fine grained relic with sections of complete type feldspar 70-95%. Low pale grey green culcrite 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
	350.0	containing pyrrhotite & chalcopyrite. 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.
	424.2	Low shearing between 422.0-424.2 in at approx. 30° C.A.
424.2		DYKE - CREY DIORITE TYPE Light grey in color. Fine grained. Medium carbonate. Medium silica. Small scattered carbonate filled fractures with minor sulphides, pyrite. Contacts sharp,
	426.7	upper at 25°, lower badly broken.
26.7	- /	A 327112 (7877) (11 77 1280)
enerel 🗣 🧍		AMORTHOSITE Fine grained relie & breecisted 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. Megligible sulphides, (COLETIND)

# DIAMOND DRUL LOG

OBALSKI (1945) LIMITED

HOLE NO. 140

JACC.	TACE	DESCRIP FION
	467.0	disseminated pyrite. Medium shear, fair to good foliation at 40° to C.A. <u>Quartz Vein Minaralized</u> . Blue grey in color. Small scattered carbonate filled fractures. Medium sulphides,
	474.6	mainly chalacopyrite with some pyrchotite. Anorthosite. Sheared, Altered & Mineralized. Fine grained ralio & ghost type feldspar immerging. Medium dark grey green chlorite. Medium to high carbonate. Low
		fractures. Medium shear, fair to good foliation at approx. 40-45° to C.A., Low to medium sulphides, chalcopyrite & pyrchotite occurring mostly in carbonate quartz rich material. Mineralization gradually upskening towards 484.5
	484.5	
484.5		DYER - GREY DIGRIER 1922 Modium grey in color. Fine grained. Medium carbonate. Medium silica. Shall irregular carbonate filled fractures, mostly berron. Contacts very sharp, upper at 80° to C.A., lever at 60° to C.A.
	487.1	a second de la construcción de la c
487.1		AMORTHOSITE Fine to madium grained rolie & breachated with sections of complete type feldspar. Low yale gray green chlorite matrix. Low carbonate content. Medium allica. Low shear or fracturing indicated. Note:- Soveral small scattered gray diorite type dykes. Low patchy bluigh alteration
	513.9	product.
51.3.9		DYAE - GATY DIORITH TYPE - MIMERALIZED. Light grey in color. Fine grained. Medium to high carbonate content. Medium silica. Many small irregular carbonate quarts filled frectures. Low sulphides, pyrrhotite with some chalcopyrite. Medium sheared in part. Much bluish & white carbonated material throughour Contacts sharp, upper brecciated, lower at 60° to C.A. Moter- Several Anorthosite inclusions throughout which are sheared with fair to good foliation at approx.
	530.1	
530.1		ANOMINICATES Fine to medium praimed relic & breachated type feldspar 75-855. Low to medium dark grey green chlorite matrix. Medium carbonate content. Medium cilica. Low shear indicated in part 35-45° to C.A. Note:- From 548.0-555.0 saveral patches of mauve type
	593.9	alteration product.
593,9		DYNE - GEEY DIORITE TYPE Light groy in color. Fine grained. Medium carbonate. Many irregular carbonate filled fractures. Miner sulphides, pyrchotite. Centacts sharp, upper & lower at 25° to C.A.
	596.4	
696.4	699.3	ANORTHORIE As above.
399.3		DYKE - GREY GREAT DIORITE Light grey green in color. Pine grained. Medium carbonate in upper contact phase. Medium silics. Many

DIAMOND DEDIL LOC

OBALSTI (1645) LIMITED

HOLH NO. 140

POOTACE	
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### DESCRIP PION

small white carbonate filled freetures. Upper contact sharp but irregular, approx. 40° to C.A. Negligible sulphides. 622.5 IND OF HOLE

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Sample	No. Lab. No.	Ecotore	Width	An	Gu.
1553	RR 286	81.0-83.2	2.21	L	0.450
1554	RR 287 621	83.2-87.5	4.3	え	0.250
1555	RR288	93.5-96.5	5.0"	Fr	0.250
1556	RR 289	151.0-153.0	2.0"	. 01	0.400
1557	RR 290 6224	462.2-467.0	4.8'	.02	-
1558	RR 291	467.0-468.8	1.81	.02	_
1559	RR 292	463.8+470.0	1.2"	み	2.600
1560	RR 293	470.0-471.9	1.9*	.02	0.700
1561	RR 294	471.0-474.6	2.71	ž	0.100
1.562	RR 295	474.6-476.5	1.91	x	0.250
1563	RR29L	476.6-481.6	5.01	.01	0.050

ASSAY RETURES.

