

526145E0013 526145E0010 VALORA LAKE

010

DIAMOND DRILLING

1900 C. F.

中に記るが

- 中小学生であったい、「中小学生のない」のないない、「小学生のない」のないない、「中小学生のない」のないない、「中小学生のない」のない、「中小学生のない」のないない、「中小学生のない」のない、「中小学生のない」のない、「中小学生のない」のない、「中小学生のない」のない、「中小学生のない」のない、「中小学生」のない、「中小学」のない、「中小学」のない、「中小学」の、「中小学」の、「中小学」のない、「中小学」のない、「中小学」の、「中小学」の、「中小学」の、「中小学」の、「中小学」の、「中小学」の、「中小」の、「中小」」の、「中小」の、「中小」の、「中小」」の、「中小」」の、「中小」

. ₽£...

AREA: Valora Lake REPORT No.: 49

WORK PERFORMED BY: Seagull Resources Ltd.

CLAIM NO.	HOLE NO.	Footage	DATE	Note
PA227061	SG-81-7	1467.0	Feb/81	(1)
PA436738	SG-81-9	827.0	Mar/81	(2)
PA436741	SG-81-11	835.0	Mar/81	(2)
PA243805	SG-81-10	297.0	Mar/81	(3)
PA243805	SG-81-12	637.0	Mar/81	(3)
PA227062	SG-81-5	857.0	Feb/81	(4)
PA227062	SG-81-6	1127.0	Feb/81	(4)
PA227062	SG-81-14	847.0	Mar/81	(4)
PA227063	SG-81-1	597.0	Feb/81	(5)
PA227063	SG-81-2	847.0	Feb/81	(5)
PA227063	SG-81-3	697.0	Feb/81	(5)
PA227063	SG-81-4	556.0	Feb/81	(5)
PA227063	SG-81-8	1107.0	Mar/81	(5)
PA227063	SG-81-13	857.0	Mar/81	(5)
			-	

ToTal: - 14 DH 11555'

Notes:	(1)	#70-82
	(2)	#71-82

- (2) #71-82 (3) #72-82
- (4) #73-82
- (5) #74-82

•										SG 8	1-1	
	~~~	Saamili Stimgoon Lake	DEPTH DIP	AZ1.	DEPTH	DIP	AZI.	HOLEI	VO,			í.
IOPE	RTY	SUBREULL SULL geon have CLAIM	COLLAR 65	180	257	_42		LOGGE	0 8Y .	Doug	Hunte	r
TIT		18 + 50N STARTED February 13, 1981	57 63					CORES	17E	BQ		
			257 59							112E		,
IPAR	TURE .	112 + OOE FINISHED February 18, 1981	357 50					- 520110				
<b>61/A</b>	T1041	597 ^v	457   46	1	· ·	1		LEVEL				-
.CVA	I ION .	TOTAL LENGTH	D.D.Co				Раде	1 of 2				
AF FC	OTAGE								Г. С.,	Zn	T An	T
ION	TO	DESCRIPTION			SAMPI	LE	ијт	O LENGTH	PPM	ppm	PPb	
0	55	Casing in overburden		ويتعالم المراجع الم								
					· -		╾┝╴		+	·   ·	+	
55	70	Light pink-grey lapilli-tuff. Chlorite in si	liceous fragmen	its and								
		only. Strong foliation c.a. = 45°.	un minus or bed	ang	1			ł				
					·    ·	╺┝╺╴	-		+		+	
70		Green, chloritic lapilli-tuff with white sili	ceous fragments	, loca	1							
		tenses, generally massive, becomes massive, at approximately 1001. Well foliated chlorit.	grey tuil-iapil	עד בנ 111	I I						1	
-		as approximations are a more relation contractor	at with any tap		-			ļ	1			
	154	tuff near end of section. Foliation c.a. =	38°. Quartz-ca	rbonat	⊶ 310	1		191.0	100	86		
		tourmaline vein at 154-159'.						192.0				
154		Very well bedded fine grained tuff and atgill	aceous tuff. V	ery di	9- 310	1		191.0	100	86	T	
		tinct thin beds and laminations, some chlorit	ic, others very	sili-				192.0			ł	
		ceous. Bedding locally folded, with foliation	n appearing axi	alplan	17 J							
							1			1		
	355	Local pyrite-rich band sampled for assay. Ex	tremely siliceo	us seo	-    3102	2		298.0	320	1570		
	. :	tion 283-330', this carries pyrite 'lenses' fi	rom 297-310'.	Beddin	3							
		and creatage essentiarty balanters cese = 44					-					•
355	407	Grey-green, massive tuff, lapilli tuff with b	edding distinct	from	310	3		429.0	42	9800	1	
		place to place, although beds thicker than pro	evious section.	At				430.0	· ·			
		CARA = 110.		auton								
4		****				;	• +		1 in the	TAT		
407		Grey, massive lapilli tuff distinguished by w	ispy and lensy r	nafic	1016	•		471.1	200	-410		
1		iragments unrougnout. Bedding present, but no	ot so pronounced	1 85 11 Scie	• 🛛 310	5		477.1	1290	8900	1960	1
		with minute iridescent milky blue quartz eyes.	Sulphides con	spicu-				482.1				1
		ous at 448'. 'Heaviest' over 472-487' where p	pyrite and CPy o	occur	JI 310	0		482.1	·7700	7700	19000	1
		disseminated (2-5%) and in chlorite stringers	and quartz-car	bonate	310	7	•	487.1	1	1		
				** ** **		-	-	- 7,89,1		-21	b7-'	t
	1				11	1						1

ŝ

en dieterreis versichen bestehten

RTY	Seagull Sturgeon Lake	PEPTH	DIP	AZ1.	DEPTH	ne P	21.	HOLE	i(),	20 01-		na se en en altre en
	CLAIM and a second a							LOGGE	28Y -	Doug H	unter	
UDE	STARTED				<u> </u>			CORES	ZE			
RTURE.	FINISHED							SECTIO	N			
TION _	TOTAL LENGTH	 D.D.Co		 	Pa	ہ ge 2 o	1 12	LEVEL				
OOTAGE TO	DESCRIPTION				SAMPLE	FROM	то	LENGTH	Cu ppm	Zn ppm	Ag daa	Au ppb
495	Very chloritic lapilli tuff, tuff breccia beg Graded bed over 1.5' at 492-493.5' indicated	ins at 49 'tops' no	)51 (F) orth.	wBx?).	3108			499.2 501.4	720	12000	) 1100	8
597 ⁻	Dark, green-grey lapilli tuff, tuff breccia ( common, quite massive, white siliceous clasts	FvBx?). . blebs s	Layer: and ler	ing not	3109		1	509.5	1270	480	1370	10
	chloritic matrix.				3110		1	\$14:8	310	4800	ļ	
											KINING J ♥ [ 5 1982 11218	р.м ₽.м 4 5 {
1									1000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TIKY W GLED SO/6/2 MCE OF	W LY GINE	) Qi

いたの

STATES -



	an a	national and a second that we have a second that the					
TOPE	RTY Seag	gull Sturgeon CLAIM	DEPTH DIP AZI	DEPTH D	IP AZI	HOLE NO.	SG 81-2
<b>\</b> TIT	UDE 18	3 + 50N STARTED Feb 17, 1981	157 62			LOGGED BY	D. Hunt.
SPAR	TURE 1	16E FINISHED Feb 21, 1981	<u>300 57</u> 467 52			CORE SIZE	BQ
LEVA	TION	TOTAL LENGTH 847	600 53			SECTION	116E
						LEYFL Juge 1 e	<del>)f-2</del>
DRE 1. OM	FOOTAGE	DESCRIPTION		Sample No.	from to	Length Cu	I Zn Aç a pəm pəb
0	53	Casing in overburden	allangi da taraka mang dangkan pangkan nga katan kanangkan nga katan kanangkan nga katan kanangkan kanangkan k				
53	79	Green chloritic tuff, lapilli tuff sericitic tuff beds up to 1.0'.	with narrow pinkis	3111	69.0 71.	.5 1.5 1050	460 960
79	138	Fine Grained yellow-grey turf-bedd 2% disseminated pyrite and pyrite stringers, patchy carbonate. Folia	ed tuff with uniform stringers, patchy ation at 42 toc.a.	3112	78.0 98.	0 20.0 24	845 180
38	165	Abrupt contact with darker grey lap bedding locally distinct. Local ca patches and stringers.	pilli tuff-tuff, arbonate-hematitic				
65	299	Uniform medium grey tuff with dist throughout, contorted. Siliceous 215'. Pyrite tr1% sometimes vuggy veins with 20% pyrite over 1 cm. On carbonate zone 192-196' (fracture	inct bedding sections, e.g. at carbonate-quartz (idized limonite - cone?)	3113	219.5221	2.5 1.5 17	131
	317	Well foliated lt-green-grey rock ( locally pink hematitic.	suff or dike?),	]	+ <b>- -</b>		
7		Well-bedded grey-cream coloured ver darker chloritic layers define bedd 79-138' the tuff is uniform with ve	y fine-grained tuff ling here whereas at ery little chlorite,	- <u>-</u> - 3115	331.5336	5.5 5.0 280	0410 1510
		thus bedding is indistinct. Grey blapilli tuff with less distinct bed	speckled' tuff and ding from 365',	3116	336.5341	.5 5.0 860	0470 6230
		stringers from 331-352', up to 2 cm aging 3mm. These occur in a very of	across, but aver- listinct thin	3118	345.0850	0.0 5.0 750	0530 11700
	487	bedded-laminated cream-grey coloure	d tuff.	3119	350.0352	.0 2.0 .470	0415 1540
~ •							
•							TA

PE	RTY Sea	igull Sturgeon CLAIM	DELIN DIL	- A 6 1   -	DFEAH D	IP ALL	HOLE I	NU. 56 81-	-2
TIT	JDE	STARTED			 		LOGGEI	DBY D. H	lunter
PAR		FINISHED'		<u> </u>			CORE S	SIZE	
EVA	TION	TOTAL LENGTH					SECTIO	ON	
				╂╼╼╴╢╁			LEVEL Page	2of 2	·
RE I	TOOTAGE	DESCRIPTION			Sample No.	from t	o Length	Cu Zn ppm ppm	Ag ppb I
<b>4</b> 87	502	Distinct grey lapilli tuff with chl and wisps as in SG 81-1 (407-495')	loritic frag	nents					
<b>5</b> 02	602	Grey-dark grey massive lapilli-tuff bedded green at 568-569.5'. Foliati @ 568'.	f, and tuff, ion 53 ⁰ to c.	well a.	3120	6010 6	02.0 1.0	123001830	30500
<b>6</b> 02	614	Silicecus, finely laminated, very 1 (oxidized) tuff. Up to 2-3% quartz lmm. Perhaps 2% disseminated pyrit hardest rock in the hole.	light yellow z eyes less ( te. Perhaps	to pin than the	k	~ ~ ~			1
614		Green-grey lapilli tuff as at 502', sections in general massive, with ma to 3' thick at 654'. Not very chlo in composition, closely resembles 1	local chlor ssive tuff h pritic, inter last 60' of 5	itic peds up mediate G 81-1	a				
701	709	Chloritic unit, dike?				+ +		+ -   -	
709	847	Massive grey lapilli-tuff as in pre 701'. Locally characteristic of th must be arbitrarily drawn 635' (?)	vious section e "Fwbx";con	n 614- tact	3121	764.070	67.0 3.0	30 44	
end o	f hole			• •••••• <b>8</b> 97	+		-1-	<u>†</u> – † –	
·					ATRICIA DE E E JUL 1 78:9:10:11:15	1121811	Reals real	ROFESSION WY CH RCH RCH RCH RCH RCH RCH RCH RCH RCH R	
				<u> </u>			170	nu Blid	hit

500 ٠ 56-B1-6 1107 -----می ندید. دمن تا طالع از من تا طالع از از از ا 558. 55 81-1, 56-81-5 5511 / 56-81-5 4 0511 / 56-81-5 36-81-2" 847'V 56-51 - 13 -851,1 Fa 22.7063 2 HOLE NO. 5G-81- 1 Reg 30/6/82) Tom Scillier SG-81-2 VALORA LAKE SG-81-3 52G/I4SE SG-81-4 M-2052 SG-81-8 L Scale 400 Ft. SG-81-13 1 1. S. S.

1											- CC 2 - DC 1			· · ·	
PROPER	TY Sea	gull Sturgeon	CLAIM	DEPTH	DIP	AZI		DEPTH	DIP	AZI		HOLE N	ic. <u>s</u>	<u>5_81-</u>	3
• 1.ATITU	JDE 1	8 + 50N	STARTED Feb 19, 1981	collar 57	65_63	180						LOGGED	BY	р. н	unt
יסגסתר			FINISHED' Pob 22 1991	237	59							CORE S	IZE		
FT.FUAT		9_T_00E	TOTAL LENGTH $(0.697)^{1}$	337	57							SECTIO	N	114E	
SDEANI				597	25							IFVEL		1110	
	•			697	30		<u> </u>					Page 1	of -2	<u>}</u>	
CORE F	OOTAGE	DESC	RIPTION					Samp1e	e fro	mt	5	Length	Cu	Zn	Ac
From	to		ويستحدثه التركيف فتحادثه المتهو فتكروك كالمتحدث المتحري وتحريا الأكريني					NO.			_		ppm	ppm	ppt
0	48.5	Casing in lak	e and overburden												
										. 773	-2-1	7-7-7			
48.5		tions over 5'	e.g. 107-112 and sili	ceous s	ectio	ns,	;-	5122	121			0 1.0	30	100	
		e.g. at 140-1	43'. Hints of very si	liceous	cont	orted	1						]		
	145	beds at 142 [.]	Narrow, 1-2 It. sect pyrite (assayed).	lons wi	tn 3%			3123	130	. d1 3	1	8 1.8	33	217	
145		Light grey si	liceous lapil.i tuff w	ith pin	k, he	natit	īd							+	<b>Gas dia 1</b> 0%
		stringers thr	oughout. This unit may	be car	bonate	e-ric F.	h								
	158	This lapilli	tuff occurs at 138-165	' in SG	81-2	•									
										_					
158		Very fine gra	ined yellow grey pyrit	ic tuff	, bed	ding		3124	160	. 216	5.	2 5.0	33	217	
		the fuff is t	hin-bedded to laminate	d. Dis	semin	ated									
		and lensy pyr	ite conspicuous to abo	ut 195'	. Fro	om									1
	200	at 75-138' in	SG 81-2.	Same	unic	Jeeur	5								
00		From 200 - 1i	ght green thin bedded-	laminat	ed tu:	EE,		3125	240	. 324	2.	7 2.4	16		
		siliceous-ser ones. Silice	ous section 239.5-242.	e with 5 conta	ins co	LTIC Dosdi	c-	3126	316	. 332	1.	5 5.2	118	230	
		uous chalcopy	rite. Matches rock in	SG 81-	1 bet	veen					-				
		154-355 (chec	k?) Chalcopyrite beds a and 1" wide also dis	and str	inger	s fro bløb	m :	3127	325	.832	7.	p 1.9			
:	338	and fine stri	ngers.	beniting c	101157	DICD	.5	3128	β27	.7 <b>β</b> 3	2.	7 5.0	2560	0980	)227(
						-		1							
														100	
•								ļ						1/~7	
•	1	l						1	1	ł		I	I	ļ	

......

- interference of the state of

) JPE	Seag	ull Sturgeon CLAIN	DEPTH	DIP	AZI	DEPTH	DIP	AZ	I	HOLE N	0	G 81	-3
- TIT	UDE	STARTED ·					·		-	LOGGED	BY		
?AR	TURE	FINISHED							7	CORE S	IZE		
EVA	TION	TOTAL LENGTH								SECTIO	N 1	14 E	
		·							1	LEVEL Page 2	of	2	
RE	FOOTAGE to	DESCRIPTION			-	Samp No	le f:	rom	to	Length	Cu ppm	Zn ppm	Ag ppb r
38		More massive grey tuff, lapilli-tuff bedding and patchy siliceous nature, of other 2 (previous) holes. Local	with as tow well-b	indis ards l edded	tinct	m 330	)5 33	32.7	337.	0 4.3			
		horizons throughout. After 575' mas (good FwBx). Local blebs and string chalcopyrite, perhaps some honey sph	sive l ers of alerit	apill: e in d	i-tuf: one	f 312 313	29 38 30 40	37.03 )8.44	390. 110.	5 3.5 1 1.7	410 810	191 520	
	575	0.5' section (to be assayed)				313	1 52	4.35	526.	2 1.9	8700	1370	11800
575	6977	bog incomplete: essentially the sam 637-847.5". Richmond	e-as-S	<u>G 81-</u> 2		313	2 53 3 53	4.98	35.	6 0.7 7 0.9	3100 400	1760 1380	6030 4930
rđ -	of hole									PATRIC DE JU A.M. 718191101	A 15 11121 TH 10 30		VI B.50 VILLINEED

10,000

1

No.

an frankring fan fra

. К. К.



ROPE	RTY	Seaguli Sturgeon Lake	CLAIM	DEPTH	DIP	AZI	DEPTH	DIP	λZ	I	HOLE N	0. <u>s</u> c	81-	4~
LATIT	UDE	20 + 50N	STARTED Feb 21, 1981	101	58				<u> </u>		LOGGED	BY	D. H	unte
DEPAR	TURE	116 + 00E	FINISHED' Feb 24,1981	357	54 48					-	CORE S	IZE	BQ	
LEVA	TION		TOTAL LENGTH	457	43						SECTIO	N	116E	
											fexer1	of-1	Ļ,	
ORE	FOOTA	IGE DESC	RIPTION				Samp1 No.	le f	rom	to	Length	Cu ppm	Zn ppm	Ag ppb
0	7.	2 Casing in ove	rburden											
72	9	4 Massive, gree the top of SG	n very well foliated 81-1 (?) Foliation ∢	lapilli- c.a. at	tuff out 4	as in 5°.								
94	30	Dark grey-gre of bedding an Felsite dike carbonate-tou	en and grey massive la d/or breccia-size fra at 110-122'. Some na rmaline veine.	apilli-t gments a rrow (2-	uff. it 145 4") g	Hint -159' uartz	.S							
300	440	Fine-grained stringers to and thinly be largely disru about 375', s appear, beddi Well-bedded 1 about 430'.	sericitic tuffwith her 333. From 333 the tu dded to laminated, wit pted (contorted and cl ome thicker beds of gr ng not as well defined ight grey siliceous tu Mafic dyke at 435-445	matitic ff is gr th the b hopped u ceen and i as 333 iff appe	bands een-g eddin p). grey -375' ars a	and rey g At tuff t					ATRICIA E C E JUL 1	MININ V 5 198	<u>م Div.</u>	
446	51	Conspicuous cl grained thin- mineralized ze as blebs, str	halcopyrite appears at bedded to laminated si one in SG 81-2 and SG ingers, and in bands.	496'. liceous 81-3.	Very tuff Chalco	fine as i opyri	n te			- 7	111101101		য়ৰাহা	- <u>+</u>
517	556	Massive grey bedding local pyrite and cha	tuff and lapilli-tuff ly. Siliceous with lo alcopyrite.	with hi cal dis	nts of semina	fated			•	• <b>• •</b> • •	10M		Luc. N. 5.2	
, end .	of ho	ole									THE SOL	6/93 cr 04'	e.	كلنك



TITI TITI PAR EVA	RTY S	eagul1 Sturgeon Lake       CLAIM         18 + 50N       STARTED       Feb 23, 1981         118 + 00E       FINISHED       Feb 27, 1981         TOTAL LENGTH	DIP         A21.           collar         65         180           49         63.5         217           217         53         307           307         47         400           400         39         9	DEPTH 5 497 5 607 5 707 5 807 5	A1         A           31         -           31         -           31         -           31         -           31         -           31         -           31         -           31         -           31         -	21.	HOLEN LOGGEI CORES SECTION LEVEL Page	10, D BY <u>B</u> 12E 12E 11 1 of 2	3-81-5 Hunter Richmo 1 18E
REFO	TO	DESCRIPTION	i the decision of the light of the second state of the second second second second second second second second	SAMPLE	FROM	то	LENGTH		
0	39	Casing to bedrock	an dia miningkalikan Spanis in disebut dia kanang sada						
39	169	Massive, green-grey and green tuff with only a hint of bedding. Local disseminated pyrite in chloritic tu in up to 3' bands (assayed) Foliat 45°, not pronounced; bad ground; ch oxidized 67-71', 100-106', 146-154'	and lapilli-tuff ly, "heavy" iff from 140-198 ion <b>f</b> c.a. about opped up and						
169	214	At 169' a very fine-grained light-g coloured tuff with disseminated pyr of pyrite appears. This tuff resem holes, particularly SG 81 2 (79-138 (158-175') Assays over 5'. Foliat at 172' and 62 (wavy) at 213'	rey to cream ite and thin band bles rock in othe ') and SG 81 3 ion 40° to c.a.	sr					
214	340	Well-bedded, well-foliated tuff and occasional massive bands, highly ch of the section. 220-235' approxima constent lapilli tuff unit. From 2 sists of wispy grey fragments in a Fragments could be lapilli or disru the latter. Beds are often highly hematite staining in bands and patc the above interval. Some bleaching ground core at 312 indicates a grou Little core lost. A few stringers Foliation: 58° at 255', 55° at 322'	lapilli-tuff, loritic over most tely is a fairly 87-237 rock con- green matrix. pted beds, probab contorted. Pink hes distinguishes about a section ndwater channel. of pyrite in sect , 60° at 336'.	ly of ion					
340	353	Indistinctly bedded to massive tuff some lapilli. A gradational change Foliation about 60° to c.a.	, quite chloritic from above.	•					1018
						** -* -*		7	7

·

长		ana sa na na ang mana sa na mana sa na					XANA	deministration of the second	HOLENO SG 81-	) )
1	I HOPERTY _	Seagull Sturgeon Lake CLAIM	DEPTH	DIP	<u>AZI.</u>	DEPTH		1 121.		
1	•	· · · · · · · · · · · · · · · · · · ·						ļ	LOGGED BY	
.,	TITUDE _	STARTED				h			CORESIZE	
	IPARTURE	FINISHED							SECTION	
- 'e - 'j				1			I		LEVEL	
	EVATION	TOTAL LENGTH	D.D.Co.						Page 2 of 2	
	PAGE 2	- 2 				-				****
`:: : :	IOM TO	DESCRIPTION			•	SAMI	LE FR	DM TO	D LENGTH	
	353 356.	Pink felsic dike cut by some quartz va at 50° to c.a., crosscuts bedding at contact? Bottom somewhat disrupted, 5 Foliation is 62° at 354.	eins, sh 10-20°. perhaps	arp u Chi 40	pper d lled to c.	contac a.	t			
	356.5	Grey massive tuff to lapilli-tuff, som bedded. Some short, distinctly banded tuff or intermediate porphyry dikes. val is grey siliceous fragmental rock varying from vague to distinct. Some massive bands be intermediate tuff or Lower contact of this unit is fairly of Foliation: 63° at 384', 61° at 462', 80° at 600', 70° at 729'. A few blebs grains of sulfides. Patches of carbon throughout.	me secti Most o , with fine-g intrus distinc 80 at s and d nate al	ions ons m f the fragm raine ions. t. 510', issem terat	vague ay be inter ents d inatec ion	ly r-		TRICIA	NINING DV.	
	732 745	Green chloritic fine-grained banded to pyrite>chalcopyrite disseminated along Foliation about 45 to c.a.	uff. M g folia	odera tion.	te		R	JUL	E J V E U 15 1982 N	
	745 857	Massive grey fragmental as 356.5-732' sulfide band are highly contorted. Ba sphalerite>chalcopyrite at 750.4-751. alteration if anything more intense in zone. Doug Hunter notes: "up to 25% coloured carbonate, check chemistry (L	. Cont and of 4, carb n f.w. t. yel .O.If	acts massi onate to su low " $e_20_3$ )	of ve lfide buff"		71	M. 813 1011	1.151 1 12131 15510	
	end of i	ple							TOM GIEDHILL TOM GIEDHILL 23687 120687 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	ile

F-320-> . OE ŝ 56.81-7 680 1067' (denth 1127) 56-81-5" (depth 857) HOOV (portion) 2

VALORA LAKE 52 G/14SE M-2052 Locale 400 Ft.



Tom Shalill "== 400'

ATITI EPAR LEVA	UDE	$\frac{20 + 50 \text{ N}}{100 \text{ STARTED}} = \frac{\text{Feb } 26/81}{100 \text{ Started}} = \frac{100 \text{ Started}}{200 \text{ Started}$	earin	49°	180°	LOGGE CORES SECTIO LEVEL Page	D BY . IZE N 1 of	BQ 118E	
ORE FO	OOTAGE	DESCRIPTION	SAMPL	E FROM	TO	LENGTH			
0	66.0	Casing in overburden						+	<b>}</b> <b>−</b>
66.0	132	Grey to greenish grey bedded turr to implific turr. Some met. qz-carb veins. Quartz-tournaline-carbonate veins more common near bottom of interval. Minor dissem. & stringer pyrite. Some fe-car alteration. Blocky core. Foliation @ about 40 - 35°.							
132	152	Grey to purplish grey lapilli tuff, some more massive. Lapilli usually very distinct. Appears to be more siliceous, also considerable sericite and possibly chloritoid. Some conformable bands of fine grained semi-massive pyrite, also high dissem. pyrite. Assays. Blocky core, often vuggy 6 broken. Foliation $40^{\circ} - 45^{\circ}$ .							
152	169	Massive green tuff to lapilli tuff, altered and vuggy in spots. May include some intermediate intrusive. Minor dissem. pyrite. Foliation about 45°.							
169	202	Grey to buff fine grained siliceous tuff, bedding fairly distinct Includes some fine lapilli tuff. Numerous narrow stringers of pyrite along foliation. Foliation 40 m							
202	291	Greenish grey lapilli tuff. Some fairly large fragments, but most <1 cm. Well foliated. A few specks of dissem. pyrite, trace chalcopyrite. Foliation 45°.							-
291	320	Fine grained siliceous massive tuff and lapilli tuff. Some wispy bands and patches of fine grained pyrite. Assays. Foliation about 45°.	•				-		
320 	399	Greenish grey to green massive tuff to fine lapilli tuff. Some sections fairly distinctly bedded. A number of metamorphic quartz & quartz - carb.veins, some are vuggy. A little ground core. Last 25 feet altered. Minor dissem. pyrite.						1Å	g

こうちょう ちょうちょう 一日二日 ちょうちょうちょう

i.

PEF	NTY	20 4 50 N CLAIM					LOGGE	) BY		
A 8.	TURE_	118 + 00E FINISHED					CORE SI	N	Q 118E	
VA'	TION _			ļ	ļ	1	LEVEL			
	OTAGE						Page	2 of	2	
M	TO	DESCRIPTION		SAMPLE NO.	FROM	TO	LENGTH			
399	410.5	Fine grained pink felsic intrusive - "ap altered tuff? 405 - 407. Chilled contac rock. Some pyrite on fracture surface.	lite". Includes 2' of ts and baking? of wall Foliation about 60° - 65°						-	-
41d.	.5 460	Dark green to pale green massive to lapi and pinkened from 450 - 454. May be apl like tuff. Abundant patches and bands o chalcopyrite & sphalerite from 446.5 - 4 Foliation about 65°.	<pre>111. Strongly bleached ite dike but texture looks f fine grained pyrite 1 50. Assay.</pre>	5						
460	542	Grey fragmental white to buff large lapi grey matrix. Appears quite siliceous. grained tuff in sections. Looks like o other holes. Trace fine grained dissem bands (to 542). Foliation $60^\circ - 65^\circ$ .	lli in grey to greenish Some bands of fine re hosting? Horizon from . pyrite in massive			PDS	ATRICI/	MININ E U V 1519	IG DIV E 82 PN:	
542	710	Grey fragmental, prominent white lapill varies from bedded to massive; some nar bands may be int. dikes of fine grained 570 - 603 scattered stringers of chalco granular pyrite @ 582. Foliation 65 -	i 563 -567, elsewhere row green fine grained tuff. gradational change pyrite & 1" band of 70°.			1	1 <u>81911011</u>	112111		
710	850	Massive grey tuff - lapilli and/or bedd seen. Otherwise quite similar to unit patched of dissem. pyrite. Very sparse 75 - 90 usually 80.	ing indistinct and rarely above. Scattered wispy overall. Foliation from				46 V C	TC M	RES	
350	1023	Grey fragmental? to massive grey tuff b toward bottom of section. Some fine gr zones of distinct lapilli. No great ch As above. Foliation $70^{\circ} - 80^{\circ}$ .	ecoming more chloritic ained tuff layers and some ange from previous sectio			-			6/82	; e
023	1127	J as above foliation 80	° 85°					100	1	P

いい事

F-320-> RAEON of SI-7 680 1361' S6-81-6 (denth 127) 56-81-5 " (depth 857) (897, 14) (897, 14) (portion) 2

HOLE NO. SG-81-5 SG-81-6 SG-81-14

VALORA LAKE 52G/14SE M-2052 Locale 400 Ft.



Tom Shall "= 400'

ADPER	NTY	Seagull Sturgeon Lake CLAIM	DEPTH DIP AZL D collar 65 180	EPTH 1	45°	21.	HOLEN	0. <u>\$</u> G	81-7	nd
li↓ ∫ATITU	DE	22 + 50N STARTED Feb 27/81	97 500 6	<u>307</u>	43		CORESI	7F B	Q	/
CDAD		128 + 00E Mar 9/81	297 580	07	370		SECTION	1	28E	
GrAn	URE.	FINISHED	497 480 - 12	207	340 +		LEVEL .			
LEVA	TION -	TOTAL LENGTH1467	607 <u>68</u> ⁶ 0. <u>48[°]</u> 12	807 100	31 ⁰ 29 ⁰	·	Page l	of 3		
DRE FO	OTAGE	DESCRIPTION	in for an	SAMPLE	FROM	то	LENGTH			
	57	Casing					<u></u> <u></u>			
[ <b>-</b> ]	-	the set of an an an an an an an		-				_ +		4
57	132	Coarse lapilli tuff. Large white lapilli in matrix. Very distinctive. Minor pyrite as veins. Foliation 35° - 45°.								
•	~	— — — gradational contact — — -		┡	-	-	+			
132	240	Fine lapilli tuff. As above but lapilli sma bedded. Lapilli more wispy and indistinct the Minor pyrite with quartz veins. Dissem pyri bleached zone about 0.4@ 142. Some dissem c 230. Assay. Foliation 35 - 45°. Foliation	ller. Some appears man in above section. te & magnetite? in halcopyrite @ 225- n about 45 @ 240.							
240	306	Lapilli tuff to wispy chloritic fragmental. from previous section. Few fine grained ban distinctly fragmental. Possible f.w.lapilli bedding. Few quartz veins of any size. Tr chalcopyrite 270 - 275. Foliation about 4								
306	360	Wispy tuff - fine grained bedded tuff, beddi places. Some vaguely fragmental bands, some becoming less chloritic and more heterogeneo marked by sudden absence of distinct lapilli quartz veins some contorted little or no sul Foliation $50^{\circ} - 50^{\circ}$ .								
360	476	"Grey fragmental"? More siliceous than abov chloritic and rarely distinct fragments. minor dissem. pyrite. Assay. Foliation abo	e unit, with wispy Some guartz veins ut 50°.			-		- +		
476	535	Heterogeneous fragments and bedded units. v. grey to dark green. Some well developed bed	aries from pale to dings. Some bands							-

states to the and

وإحاصهم والجالم المستع والمتحاد الارار المارا الوارون

يعتد والا

The sector and the sector of t

OPERTY	Seagull Sturgeon Lake CLAIM	DEPTH	DIP	A21.	DEPTH	DIP	AZ1.	HOLENO	56 01	
	22 + 50N STARTED		 					LOGGED E	BQ	
PARTURE	128 + OUE FINISHED					*		SECTION.	128	*
EVATION	TOTAL LENGTH	D.D.Co		 	[]		ļ]	LEVEL Page 2	of 3	
NE FOOTAGE	DESCRIPTION				SAMP	LE FRO	от то	LENGTH		
535 600	Fine grained siliceous tuff, weakly to dis with underlying and overlying units are gr set. Bands and patches of wispy fine gra of chalcopyrite. Bedding & foliation abo contorted bedding noticeable.	tinctly b adational ined pyri but 60 to	edded. & arb te, an c.a.	Contac itrari d trace no	ets Ly es	-				
600 650	Massive grey tuff. Bedding rarely seen, a Fairly siliceous. Trace dissem. pyrite.	nd no lap Foliatio	illi e n weak	vident.					_	
650 690	Grey lapilli tuff - tuff breccia. Cream f matrix, some fragments fairly large. Frag Moderately siliceous, more than unit above of pyrite. Foliation about 70°.	ragments ments oft . A few	in a g en dis wispy —	rey tinct. bands				↓ ↓		
690 743 Blocky ground and drilled - over core about 697-	Graphitic banded tuff? Fine grained silic dark bands, presumably graphite, that give appearance in places. Some sections highl bedded in places. A laminated section 73 mod. finely laminated pyrite. Bedding mi Foliation about $60^{\circ}$ .	eous tuff it a mar y siliceo 8 - 743, nutely co	with ble-li us. D contai ntorte	contort ke istinct ns d.	.ed .1y					
743 807	Grey lapilli tuff. Moderately siliceous. Lapilli vague to distinct, some contorted Minor stringer chalcopyrite from about 760 about 20°? Boliation 60° - 70°.	.Possibly bedding a - 770.	graph t abou Beddin	itic. t 20° g						
807 960 round 6 rilled over ore 879 -	Massive tuff with occasional fine grained distinct lapilli. Somewhat more chloritic defined as yet. Minor stringer and dis chalcopyrite dissem 927 - 936 & 947 - 957. Foliation @ about 70° to core axis.	bedded lag . Lower o sem. pyri Assays.	yers. contac te str	No t not inger						
						1		1 1		1 1

a water bidde states as

OPERTY	Seagul) Sturgeon LakeCLAIM	- DEPTH	DIP	AZI.	DEPTH	DIP	121.	HOLE NO.	SG 87-7
ATITUDE	22 + 50X STARTED	_						CORE SIZE	BQ
EPARTURE 1	18 + 00E FINISHED	-						SECTION	128E
LEVATION	TOTAL LENGTH	1		۱ _. ۱	l	]	LEVEL Page 3 c	of 3	
RE FOOTAGE	DESCRIPTION				SAMP	LE FROM	TO	LENGTH	
960 1197 ground and drilled over core from 1032 0 1047 	Massive grey tuff to lapil! tuff. Lapil 960 - vary from scarce to common and dist 1110 - otherwise this unit is similar to chloritic. A few small quartz veins; mod A bit less chloritic below 1152, patchy of obvious - should be relogged after core of stringers of chalcopyrite \$12.1135 - 113 angle to core axis. Foliation aver - rather indistinct (gradational?) cont Indistinctly bedded to delicately laminad moderately to highly chloritic. Includes mussive bands that may be flows or dikes well-displayed contorted bedding. Some 1 bands, and some quart2 veins. ( 1244.5. Some blebs and dissem. pyrite. Chloritic massive tuff to lapilli tuff, h Mostly lapil!i tuff towards bottom of set stringers of chalcopyrite starting at abo contain pyrite. Foliation 75° - 80°.	lli not abu tinct betwe the one al derate carb carbonate a oxidises. 50, one 7' rage about tact ted tuff 1 s some fine (intermedi fairly narb 0.6 pink ap Foliation bedding ran ction. Som out 1235 so	andant een 96( oove. oonate alterat Some a Assay 75. sedime about cely di bome lag	above ) and Fairly alteration, no arrow - low -	tion? 	AL REGISTER.	PROFEES THE OM GI	PATRICIA DE E -JU-1 AM. 7819101111	MINING DV. UVE 5 1982 21 1 21 31 4 510

STURGEON, LAKE (SG-81-7 (depth+467) Pr 227061 1280' 1067 Drilled. on claims VALORA LAKE 52 G | 145E HOLE NO. (SG -81-7 M-2052 400 Ft. Scale 1"=400' 

ATITUDE 22 + 50 N STARTED Mar 4/81	DEPTH DIP AZI. COLLAR 65 180 700 40 100 58 900 37	HOLE NOSG 81-8 LOGGED BYG. Richmond
EPARTURE	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	SECTION 116E LEVEL Page 1 of 3 <

wer bijdert getterhaus is

i s

.

DRE FO	TO	DESCRIPTION	SAMPLE NO.	FROM	то	LEINGTH			
0	115	Casing in lake & overburden							
115	155	Intermediate tuff & lapilli tuff, blackish lapilli conspicuous in some sections Top 25' weathered. Some possible int. flows. Trace dissem. pyrite. Foliation about 60°.		-		_		-	
155	225	Intermediate massive tuff, mod chloritic, some fine textured lapilli tuff, Some contorted quartz carbonate veins. Some blebs of chalcopyrite in quartz veins. Foliation about 65°.				_			
225	247	Hetergeneous zone - chloritic to siliceous? massive tuff, and lahar-like breccia, some minor lapilli bands, and some contorted and cutoff quartz veins. Hematite staining. Minor dissem. pyrite. Foliation about 60.					 		-
247	330	Intermediate massive to lapilli tuff, generally lapilli tuff predominates. Lapilli generally rhyolitic vary from distinct to quite wispy. 0.2' qz-pyrite-TØ-carbonate vein @ 312. Foliation about 50° - 60°.					 1	-	
330	343	Finely laminated to thin bedded tuff and/or sediments, often contorted bedding. Several qz-carb to veins, contacts not distinct. Some blebs of pyrite in qz veins. Foliation 45° - 50°.							
343	360	Light grey siliceous tuff, indistinctly bedded. A few qz-carb-tø veins. Trace of dissem. pyrite along foliation. Foliation about 45°.					 		
360	437	Massive grey fragmental, some lapilli tuff. Several Q2-carb-tø veins. Weakly to mod. foliated. Trace pyrite, very sparse. Foliation 70° - 96°.					-	21	
							 ~~77		

ROPE	RTY	Seagull Sturgeon Lake CLAIM	DEPTH	DIP	A21.	DEPTH	DIP	<b>A</b>	21.	LOGGE	0.87 -	01-0	
ATITI		22 + 50N STARTED					····-			CORE S	ZE	BQ	
) F P A A	TURC	116 + 00E EINIERED								SECTIO	N	1161	E
-		FINISPEU		{	{	}d				LEVEL			·····
LEVA	TION _	TOTAL LENGTH	D.D.Co.	,		,				Page 2	of of	3	
ORE F	OOTAGE	DESCRIPTION	·	, and a second secon	ود بردون ترومزی اط	SAMP	LEF	ROM	то	LENGTH			
TROM	to			البيرة واجرا	-	NO	i <b></b>					<b> </b>	<b> </b>
437	575	Siliceous, sericitic sometimes moderately of lapilli tuff. Lapilli tuff more as a chlor wise siliceous sequence. (Lapilli most comm Fine stringers and wispy lenses of pyrite a short zone about 2' with some chalcopyrite about 60°.	hloritic titic breat on from along fol Assay	, bedd ak in 545 iation . Fol	ed tuff an othe 560) . One iation	- r-	-		-	-			
575	612	Siliceous and sericitic; + hematite stained massive tuff and bedded tuff. A few lapilli and breccia bands, gradational contacts in and out. Fine stingers and wispy lenses of pyrite along foliation. Foliation about 70°.											
612	665	Grey tuff varies from cream to grey mottled distinctly bedded. Lower part of unit speci of chlorite that are probably tiny lapilli, somewhat less pyrite. Foliation mod. 70	0		_								
665	750	Heterogeneous grey fragmental. Varies from distinctly bedded to fairly distinct lapilli. Mostly siliceous, but some chloritic beds, especially where chalcopyrite is more abundant. Stringers of chalcopyrite and pyrite. fairly low grade overall but assayed from 675 to 735 - 60'. Foliation typically about 70°. cut a i qz-carb-té zone @ 685.											
750 grour drill core	850 d & ed ove 775-77	Grey fragmental commences to be more chlori varies from fine grained massive tuff to ir r (foliated?) fine grained tuff to lapilli tuf 8 predominates in section. Some sections chl Sparse and rare stringers of pyrite and cha Foliation about 70°.	tic. Gr distinct f. Lapil oritic o lcopyrit	ey frag ly bedd li tuf: verall e.	gmental led			-					-
830	ī 107 <b>/</b>	Grey fragmental is more siliceous varies fr overall to bedded tuff and lapilli tuff fro	om massi om 920 -	ve,fea: 933. 1	tureles Rock is	s –	ţ	-	<b>-</b> .	-	-114	5	

-

rasir no proto - s<mark>ile dastal</mark> ado jakovin

and a second second decay and the

And Burney and Andrews

a Rolling on your

· Main calleda

)PE	RTY	Seagull Sturgeon Lake	DEPTH	DIP	AZ1.	DEPTH	DIP	A21	-	HOLEN	0,		
TITI	IDE			<u> </u>				<b> </b>			) 8Y 75		
								<u> </u>		SECTION	4.55 mmm 1		
PAR		FINISHED							4	LEVEL	• environment		
EVATION TOTAL LENGTH			, D.D.Co	·				•	•	Page	3 of	3	
EFC	OTAGE					Isaus				LENOTH			tri ti
24	TO		يوسو بر بيادي واست			NO						<b>  </b>	
	-	lapilli texture. Carbonate and chloritoid section from 1025 - 1032 a very chloriti- chalcopyrite from 1029 - 1032 Patches chalcopyrite 1029 - 1032 Assay. Foliatio	in lowe band wit \$ strin on 80 -	er part ch sign agers o 90°.	of ifican f		.		_				
Eng													
· .	••••												
											CIA I		NIQ.
·										N "	U 4		"
										A.M.	0L 1 1	1962	P.M.
									ι			112101	1919
											ENDFESS	ION	
										10	TR		
											W GI	DHILL	NEED
		• *									30/6	5	Į.
· •	1					R	1			1 19		A STATE	1

- 「日本市では「東京市市での市場」を設置していた。 あいかん しゅうしょうしょう

1 the set

An University and the second second

2 2 2

.



	Seagull Stu	rgeon Lake	CLAIM	
	6 + 00S	STARTED	Mar. 11 /81	
PARTURE	4 + 00 E	FINISHED .	Mar. 18/81	
EVATION		TOTAL LEN	IGTH 827	

21. 1	A2	DIP	DEPTH	AZI.	DIP	HTTS
		50	497	180	65 [°]	ollar
``		37	707		61	107
c		35	807		55	200
c	<b> </b>				53	300
					51	\$07
L						

HOLE NO.	SG 81-9
LOGGED BY	G. Richmond
CORE SIZE	BQ
SECTION	4 E
LEVEL	

D.D.Co.

AE FC	OTAGE	DESCRIPTION	SAMPLE	FROM	то	LENGTH	•		
MO	TO		NO					 	
_ 0	_100	Casing in lake and overburden						 	
100	120	Grey massive tuff, moderate chloritic, a few quartz carbonate yein A number of stringers and blebs of pyrite. Foliation about $45^{\circ} < $ c.a.	s.					 	
120	177	Intermediate to acid bedded tuff, some lapilli bands; most of section highly sericitic - blocky core. A number of stringers and blebs of pyrite - quite high overall. Foliation at 45 - 50.	-					 _	
177	195	Intermediate lapilli tuff, lapilli small 6 white in a chloritic matrix. Trace dissem. pyrite. Foliation continues about 50°.						 	
(195	276	Siliceous? and sericitic bedded tuff, grading downwards into lapilli tuff. Light to med. grey in color, some qz-carbonate veins Foliation pretty consistent at 45°. High dissem. and stringer pyrite up to 10%? Trace chalcopyrite as isolated blebs, and fine grained sphalerite? in pyrite bands (may be magnetite?) Matrix of lapilli tuff quite chloritic from 266 - 276		217	221	4.0			
276	299	Siliceous? and sericitic banded tuff to massive tuff. Some string and large blebs of pyrite. Foliation very strong at about 60° Trace chalcopyrite 294-297 brecciated by qz-TØ veins.	ers						
299	315	Andesitic flow of fine grained uniform tuff, chloritic matrix with white speckles contacts fairly sharp. Foliation weaker about 70° - 80°.						 	_
315 	341	Grey massive tuff to bedded tuff. Quite sericitic in places. Some fine lapilli bands. Blocky core: foliation strong at about 60° to c.a						 	
							ļ	7	KE

•.	ROPE	RTY	Seagull Sturgeon Lake CLAIM	DEPTH	DIP	A21.	DEPTH	01	PA	21.	HOLEN	0	<u>SG 81</u>	<u>-9</u>
	ATIT	UDE	6 + 005 5" ARTED								LOGGED CORE SI	2E	BQ	CIMIOIIU
	EPAR	ATURE _	4 + 00 FINISHED								SECTION			
	LEVA	ATION _	TOTAL LENGTH	D.D.Co.					1	}	LEVEL Page 2	of	3	
	DRE F	OOTAGE	DESCRIPTION	Peruix anty contra			- I can		FROM	TO	LENGTH		1	
	ROM	TO					Ň	ö					<u></u>	
	341	362	Chloritic lapilli tuff, lapilli to 2-3 cm. 5 pyritized. Foliation at 60 to c.a. Foliat	ome lap: ion var:	llli h les fro	ighly om 45°	- 60°.							
	362	444	Siliceous and strongly sericitic bedded tuff lapilli and some bands of chlorite. Possibl A few stringers, disseminated grains, and wis but fairly sparse overall. Foliation quite	, a few a y traces py patch strong	small ; s of g nes of at abo	pale raphite pyrite out 50	•	-						
	444 indi cont	495 stinct act	Chloritic lapilli tuff, quite uniform, mean l cm. Broken by a few later qz veins. Foli about 60°. Blocky core 485-495. A number o pyrite 472 - 486, elsewhere a few dissem gra	lapilli ation qu f bands ins.	size lite st of fit	about trong ne grai	nec	_						
-	495	535	Lapilli tuff, matrix less chloritic and lapi varied in size. Quite sericitic in places. more (tuff brxx) Only traces of pyrite. For $60^{\circ} - 70^{\circ}$ to c.a.	lli much Lapilli liation	large up to quite	er and 2" or strong	nore at							•
•	535	565	Bedded sericitic tuff, some hematite stainin Section heterogeneous - varies from finely b to tuff breccia rather erratically. Perhaps between units above and below. Strong folia very sparse.	g, a few edded to at tran tion @ 7	small lapil sition 0°. S	l lapil lli tuf n zone Sulfide	11. f 8							
•	565	587	Siliceous and sericitic fine bedded tuff. S and a few small indistinct lapilli. Core u burnt bit? Rather indistinct contacts of an nature? Core blocky - Foliation strong @ a	ome wisp ndersize interfi bout 70	s of c from ngerin	chlorit 567-57 98	e 7-			_				
	587		Quartz crystal rich lapilli tuff - quartz ey sections of sil-serioitic bedded tuff as wel predominates More distinctly thyolite. Fol	e fragme 1, but 1 lation s	ntal apilli till A	Some tuff bout 70	0 <b>0</b>							TR

A DESERTE A STRATEGY AND A STRATEGY AND A STATE OF A STATE OF

and a second company

1	, 959		Seagull Sturgeon Lake craw	DEPTH	DIP	A21.	DEPTH	DIP	AZ1.	HOLE	vo	SG 81-	9	
т Т	1711	ine 6	5 + 005 STARTED							LOGGE	0 BY		<b></b>	
; p	491		4 + 00 EINIGUED							SECTIO	N			
:.E	VAI	FION _	TOTAL LENGTH	D.D.Co						LEVEL	9.07 - PRIMERO		<b></b>	
IRE O	FO	OTAGE TO	DESCRIPTION				SAMPLE	FHO	м то	LENGTH				
			but weaker, except in sericitic bands. Some pyrite also a few grains chalcopyrite. Int. and 647.8-651.2 (approx. footages) - May be r as qz-sericite tuff, increasing again.	bands a sills? hear a l	nd dis 644.5- ower c	645.7 ontJct								
53	7	827 END	Above description amended: sequence is interce bedded tuff, and lapilli tuffs often with (mu -crystal rich fragmentals: Some quartz cryst quartz "eyes". Ratio of bedded tuffs to frag increase with depth. A few later quartz veir a bleb of chalcopyrite. Otherwise little vis the occasional stringer and minor dissem. pyr quite strong, from 70 - 80 c.a.	calated ad chips tals are gmentals as; one sible su rite. F	qz-ser ) and blue tends at 685 lfides coliats	to conta exception	in t							
		-	ground & drilled over core 666 - 670 extremel	ly block	y 770-	778								
					· .		PATRICIA DE G JUI	MIN 15 11121	ING DIV WE 1982 121314	A REVISIES	C FRONTO C FRONTO TO'A C 30/0	LEDKILL KYZ		-



				NAL CASE				in the second	مر المناجعة الم		
2. 11			101214	DID	A71	DEPTH	DIP	AZI.	HOLE NO.	SG 81-	10 ···
POPEI	RTY	Seagull Sturgeon Lake CLAIM	collar	65					LOGGED B	Y <u>G. Ri</u>	chmond
ATITU	JDE	37 + 00N STARTED March 13/81	100	65					CORE SIZE	<u>B0</u>	
			297	590					SECTION_	120E	
LPAR	TURE _	120 + 60E FINISHED MATCH 10/01							LEVEL		
LEVA	TION _	TOTAL LENGTH 297	D.D.Co		· · ·			•			
			, ####################################								
NE FO	TO	DESCRIPTION				SAMP	LE FRO	м то	LENGTH		
	110	casine in lakefoverburden	angeyê di bin xanar ba		بياد فقاعين ال						
				·	·		+	+ ·	+ +		
110	195	and Lematite stained. Ground core 123 - 124,	110 -	123 ve	ry ry	Lnereu					
		blocky, some ground. Blocky core 137 - 139,	142 - 1	44. 1 to c.a.	ower.						
		Strong hematite stain 189 - 195.									
		Similar to above but fairly well-bedded. Fol	iation	strong	at	Т	T			-	
		about 40°. Traces only of pyrite.									+
212	297	Highly chloritic andesite? Flows, in places	amygdal	oidal	May					j	
		be a few tuff bands. Textures not well prese	rved. d speck	Heavil s of d	y dott. Issem.	ed					
		pyrite near bottom. Met. qz-carb veins commo	<u>n.</u>			4 ~				-  -	
-	- 1										
		LOST HOLE					4 -				
										]	
										}	
'	•		•								
					. 1	DITOIO					
					í l í		IA MIN	IING DIV. WIG IF			
						Ñ .					
						JU	L # 5 1	982 -			
						18 9,10,1	1,2,1,9	P.M 213141510			
'							1				
•							<b>1</b>				
)		Ĩ				11	f i	- <b>I</b>	I T	ſ	• •

с. 1



1=400

Carlos Carlos and		بينغج والمروية	ann - Milleadair a gran a' Shealana ann ann ann an ann ann ann ann ann	a summer a second a second of the second second	مناق المناط	ويعر ها محكم والمربع		la en	CC C1
•	IDPE	RTY	Seagull Sturgeon Lake CLAIM	DEPTH DIP AZI.	DEPTH 600	DIP	AZI.	HOLE NO	30 01
*				$- \frac{\text{collar} 65}{200}$	700	59		LOGGED BY	<b>G.</b> R10
· .	STIT	UDE	<u>7 + 005</u> STARTEDMar 18, 1981	- 300 67	800	50		CORE SIZE	BÇ
			40 + 00E Mar 25, 1981	400 62				SECTION	40E
	184H	TURE.	FINISHED	- 500 58				300 mon	
	.EVA	TION .	TOTAL LENGTH 835		1	I	;	LEVEL	
		•••		D.D.Co				Page J. of	4
	RE FO	DOTAGE	DESCRIPTION	<u></u>	CAMP			LENGTH	
	IOM	TO			NO			LENGTH	
	0	159	casing in lake; over burden, Lake = 63	along casing					
· · ·	159	172	Mafic fragmental volcanic, blocky co	re. Essentially nil				•	•••••
			sullides.				· .		
	172	212	Weakly to moderately foliated felds	ar porphyritic	•				
	- / -		monzonite? Feldspars slightly sauss strongly chloritized little or no qu fine grained massive (matrix).	uritized? Matrix artz. Some sections	5				
•	212					•			
		264	Essentially same rock as above, but ed, probably by hematite. 216-220 a sition, but fine grained and highly a dike.	more or less pinken- ppears same compo- foliated. Maybe	-				
	264	·330	Feldspar porphyritic monzonite; phen but most about 0.25cm. Not notably alteration varies from weak to moder uniform, but scarce grains of dissem often on fracture surfaces. Minor q Andesite dikes: 269.6-271.0 (WR) 272 273.2, 328.8-329.0, 329.5-329.7	ocrysts up to lcm, pinkened. Feldspar ate. Section fairly inated pyrite, z.veining. :0-272.2, 273.0-	/				
	330	367	Transitional to rhyolite? qz eyes be numerous, last box of lot probably s but more intensely foliated. A few Traces of pyrite, some bleaching and spars more altered and flattened, res tuff, but too uniform? Andesite dik	coming much more ame unit as above large qz.eyes. pinkening. Feld- embles fine lapilli e 347.5-399					
	 					1			7789

.

	INPE	RTY S	eagull Sturgeon LakeCLAIM	нтяза	DIP	AZI.		EPTH D	1 1	21.	HOLEN	10	<u> </u>	1.17	
•	<b>TIT</b>	UDE	STARTED								CORES	ZE			-
•	IPAR	TURE_	FINISHED		ł						SECTIO	N 40	E		
											LEVEL				
	.EVA	TION .	TOTAL LENGTH	D D.Co.						•	Page	2 of	4		
	RE FO	TO	DESCRIPTION					SAMPLE	FROM	то	LENGTH				
	367	406	Feldspar porphyritic monzonite. Pheno saussuritized, variably corroded. A f Chloritic matrix. Moderately foliated c.a. Trace only of pyrite	eryst: ew qz @ abo	s some eyes out 45	what $< 18.$ $^{\circ}$ to		~	1 22-17-000-04-14						
	406	420	Contact zone of intrusion? Becoming b ened, and more highly altered. Contac indistinct. Becoming more blocky, fol 60° to c.a. strong fracture (minor fa to c.a. has broken up core badly. 0.5 with blebs of pyrite, trace chalcopyri	leache t with iation ult?) cm qz. te.	ed and h lowe h at 5 at ab vein	pink rouni oout 5 @ 415	t o								
•	420	469	Siliceous bedded tuff and lapilli tuff Strongly foliated at 45 -50 to c.a. in colour, small white lapilli. Minor pyrite, and a few small quartz eyes. below, poor contact.	, some Cream disse Grades	e seri to pa eminat 3? Ir	cite. le pi ed to un	nk it								1
	469	479	Amygdaloidal and massive intermediate Amygdaloidal 469-474 and 477-479. Tuf Amygdales white carbonate; samples 471, Foliation continues strong at about 50 of pyrite.	to aci f bana 0476 , Or	d flc 476.7 (speci aly tr	ws. -477. men) aces	0								
<b>-</b>	479	493	Siliceous tuff, possibly some ryholite grained, sericitic, some flattened whi few wisps of chlorite. Trace dissemin Foliation strong at 50 -60 to c.a. S logged as 'speckled tuff' in holes on	flows te lap ated p imilar shore.	9? Fi Dilli Dyrite to u	ne and a nit									
- ·	493	507	Qz-eye siliceous tuff. Colour crea ish. Abundant quartz eyes up to 5mm. squarish (B gz) somewhat larger chlori Trace only of disseminated pyrite. Fo to c.a.	m to gr - eyes te wis liatio	rey to s slig sps as on abo	pink htly well ut 60	- •							TR 8	)

	IOPE	RTY	Seagull Sturgeon LakeCLAIM	DEPTH	DIP	A21.	DEPTI	1 011		21.	HOLEN	iO,	SG 81	1 <b>-11</b>
	VII	UDE	STARTED								CORES	ZE		
	:PAF	ATURE .	FINISHED		<b> </b>						SECTIO	v <u>40</u>	E	
			TOTAL LENGTH	D 0.Co.					eter ter tra	proce and stated at	Page 3	of	4	<b></b>
	RE F	OOTAGE TO	DESCRIPTION			* •	SAN	IPLE F	ROM	то	LENGTH			
	507	550	Heierogeneous tuff zone. Varies from m tuff to qz eye tuff to chloritic tuff strongly pinkened. Poker chip core. about 1%' near 517. Foliation very str lower contact rather arbitrary.	assive . Som 515-51 ong, C	e sili ne sec .7, gr :loser	ceous tions ound to 7	0 ⁰							
•••	550	585	Well bedded grey siliceous tuff. A fe indistinct lapilli in places. At 565 light in colour, with quartz-rimmed car grains.Moderate sericite in section, h 584 there is a quartz carbonate vein w pericite in selvage. Trace disseminat Foliation moderate-strong at 65 - 70, tact.	w quar a 1-2' bonate owever ith ma ed pyr grada	tz ey band and at a issive ite. itiona	es and , qui pyrit bout 1 con	d te e							
<b>—</b> : :	585	630	Chloritic and sericitic tuff. Still m siliceous. Minor qz, carbonate veining "wispy chlorite fragmental". A few bl fine grained pyrite. Foliation contin strong at 65 - 70. Lower contact fai absence of chlorite.	oderat Sin ebs an ues mo rly sh	ely hilar hd len hderat harp-s	to ses o e to udden	f							
	630	660	Vaguely bedded to massive qz-sericite distinct lapilli. A few qz and tourma notably at 646 and 652 the latter cont of chalcopyrite & bornite. Section as uniform, with a sort of waxy yellowish	tuff. line v ains a a who -grey	A feveins, few ble is colou	grain very r.	S							
-	660	686	Grey fragmental? Vague to distinct la siliceous sericitic matrix, with both s chloritic fragments, the latter by far Moderate foliation about 70 to core a	pilli ilicec most xis.	tuff. ous an abund	Wit: d ant.	h							
				• • • • • • • • •	••••••••••••••••••••••••••••••••••••••	***								TRS

i

•

a de la como de la como

e valimitet

二、武王、武王、武王、御

លក្ខណ៍ត្រីឆ្នាំក្រាចិត្តកំណាម ខេត្ត

•	OPE	RTY	Seagull Sturgeon LakeCLAIM	DEPTH	91P	A21.	DEPT	H DI	P A	21.	HOLEN	10, <u>50</u> D BY _	3 81-1	
•	TIT	UDE -	STARTED								CORES	ZE		-
÷.	:PAF	RTURE.	FINISHED								SECTIO	N		
	.EVA	ATION .	TOTAL LENGTH	i D.D.Co.		1 <u></u>	1	I	I	;	LEVEL Page 4	of	4	
	RE F	OOTAGE	DESCRIPTION	ar fraganski presenter an	يباقلون ترود الم		SA	MPLE	FROM	то	LENGTH			
	MON	10				6	┉╼┋┯┉	10.						
с і	586 	717	Bedded to massive siliceous and seric quartz eyes and indistinct lapilli 70 pinkened. Foliation strong at about at 708	7 - 712 70 . S	r, a slig ome k	rew htly inkin	a							
	717	835	Vaguely bedded to indistinct lapilli colour moderate siliceous 750-757 has lenses of pyrite, little elsewhere. becomes bedded towards 815'. Foliatio -varies from 60°-70° - lower contact an	tuff, g a few Charact On stro rbitrar	rey g strin er of ng to Y.	gers rock inte	in anc nse							
· · ·	815	835	Very blocky: light to moderate grey ma quartz eye siliceous tuff. Foliation 80°. Traces of disseminated pyrite. about 1' ground.	assive n inten Poker	to be se at chip	dded 70 [°] - core,								
-	End	of ho	le	h y = a a a a a		, <del>40</del> , 40, 40, 40, 40, 40, 40, 40, 40, 40, 40								
						-								
									MINING					
			•				۲Ľ	⊎ <b>њ</b>	U V					
							J	ULN	5 108	2 0 14				
							7,8,9,1		1121	31-1,5;6	18	200		
												1 Ster	ଳ ଅନ୍}	
											k c		· ·	
												9/6/8		
												Le of O		
•			•										Sal	re
) 1	4						ļ				4	om	-10	



se concerno Status		n an		salthindescent -	er Er Lais Mittal <b>habi</b> tade en		and Receiption of the			- 6	0.01-	.12
Inor	07V	Seagull Sturgeon Lake on the	DEPTH	DIP	AZI.	DEPTH	DIP	121.	HOLEN	0	01.	<b></b>
UFE	TLE F ann	MANY MA DULLYCON DUNG ULAIM	<u>colla</u>	F 65	┟╼╍╍┥	500			LOGGE	) 8Y _	G. R	chmc
ATIT		_37_+_62NSTARTED _Mar 20, 1981	217	56					CORESI	ZE	BQ	
		120 + 00E Mar 25, 1981	307	54					SECTIO	۷ ـــــــــــ	120E	
:PAH	ITURE.	FINISHED	407	49_					I EVEL			
.EVA	TION _	TOTAL LENGTH 637	۱ D.D.Co	•					Page 1	of	4	
REFO	DOTAGE	DESCRIPTION			· ·	SAMP	LE FAC	A TO	D LENGTH			naditiese r
IOM	TO		n in the sector sector			NO						
0	121	Casing in Sturgeon Lake & overburden										
121	147	Poker chip quartz eyes siliceous tuff. banded in colours of hem. pink, green intense at 45° to core axis. Strong k places in a plane parallel to the long intersection ellipse and varying from axis. 2 uncut core specimens 142 & 14 ground between 135 & 140? little or no	Very & whit ink ba axis 0-15 3.5 ve sulfi	deli te fol nding of th to c ry bl des.	cately liatio in e ore ocky	Y n						
147	164	Rather indistinct contact, becomes grad massive and chloritic. 147-157 appear Amygdaloidal 149-152 and 157-158 - pro of basaltic or andesite flows, highly altered. Foliation continues very str and kink banding continues, through le to more massive character of rock?) al to c.a. & ellipse of intersection.	ually s rath bably sheare ong at ss dis so hig	more er bl a sec d and 45 tinct her a	eached tion to c.a (due ngle	 1. A.						
164	195	Amygdaloidal to massive flows (andesit may include fine grained bedded tuffs. ing moderate to intense along foliatio from unit above. Rock is so intensely chloritized that exact I.D. is very ne Kink banding seen at diverse angles - a very low angle. Conjugate kinking? 190.0 about 192.0 - not cut.	ic or Carb n. No shear arly i 90 to Long s	more onate grea ed an mposs c.a. pecim	mafic) vein- t brea d ible. and en	ak			·			
				<b></b>	*****						1Pg	

ŝ

OPE	RTY	Seagull Sturgeon LakeCLAIM	DEPTH	DIP	AZ1.	DEPTH	010	A21.	HOLE	vo,	C.R.	-12_
<b>TIT</b>	UDE	STARTED							CORES	IZE	20E	*****
IPAR		FINISHED							SECTIO LEVEL	N		*****
,EVA	ATION _		D D.Co				www.ene.ore		Page	2 of	4	4====
REFO	TO	DESCRIPTION				SAMP NO	LE FRO	м то	LENGTH			
-195	210	Bedded tuff? varies from obviously ch moderately siliceous. Most of this u grained, and hematite stained. Vein1 magnetite along foliation - some ptyg magnetite stringers. Upper contact o first magnetite stringer, lower by sh l section to be done for W.R.	loritic nit is ets and matical f zone arp col	to p very lens ly fo denot our C	ossib fine es of lded ed by hange	1y						
210	229	Bedded intermediate tuff, possibly so Some bands hematite staiped around 21 quite strong at about 45. A few sma the usual foliation veining. Ptygmat about 218'. Very sparse disseminated	me thin 7 & 231 11 quar ic quar pyrite	flow Fo tz ey tz st	s. liatio es and ringe:	on å r						
229	286	Amygdaloidal to massive andesite flow Quite a bright green colour, due no d A number of patches and veins of quar Epidote in a fracture zone at 280, el disseminated grains. Sparse to moder pyrite and magnetite COLOUR BREAK F moderate at 45.	s, {dou oubt to tz or c sewhere ate dis olistic	btful chlo arbon as a semin h wea	dike rite. ate. few ated k to	?)						
286	307	Massive dark grein andesite, possibly contains fine grains of a buff colour be carbonate or possibly leucoxene. moderate at 45 - Traces of dissemina magnetite.	andesi ed mine: Foliatio ted pyr:	tic t ral t on we ite &	uff, hat ma ak to	ay						
307	320	Bedded intermediate tuff, possibly th chloritic, considerable pinkish carbo $Q_Z$ -TØ vein at 309 along foliation; mod 0 45	in flow nate in erate to	s. H lowe str	ighly r 4'. ong					<b>4</b> -1 <b>41 41 41</b>	18	Ģ

and the first of the same term and the same second s

. . . . . . . . . . . . . . .

			Incard	010		DEPTH	010	TATI	HOLE	NO	SG 8	1-12
IOPE	RTY S	eagull Sturgeon LakeCLAIM			<u> </u>				LOGGE	DRY		
- ATITI	UDE	STARTED							CORES	17E -		in the Parlie is a
:040	TUDE								SECTIO	N_1	20E	
iran		FINISHED					·		LEVEL			
.EVA	TION _	TOTAL LENGTH	D.D.Co		<del></del>				Page	3 of	4	
RE FO	TO	DESCRIPTION		<del>u 1 20-0-0</del> 0	-	SAMP	LE FR	т мс	O LENGTH			
320	328	Andesite flow? Dark green highly chl irregular wisps of carbonate that may amygdales. Foliation moderate about minor disseminated pyrite & magnetite	oritic, be de: 50 ⁰ -60	many ormed	/ a ery							
328	355	Gabbro sill or massive andesite flow. more equigranular texture with grain Little or no noticeable structure. A quartz carbonate veins, at odd angles general sub-parallel to foliation. A fine grained epidote containing chlor amphibole? Rock contains little magn	Weak] size at few car to cor t 337 a itized etite c	y fol bout ( bonat re axi pato cryst or pyr	liated ).5mm. te and is, bu ch of tals o tite.	it if						
355	360	Andesite flow? - same as 320-328 - bo be sheared contacts of gabbro sill.	th thes	e uni	ts ma	У						
360	445	Intermediate tuffs, possibly some sma distinctly bedded, may be some argill greywacke. Probably all of volcanic fingers to some extent with lower uni guite strong at 45° to c.a., with loc at about 50° to core axis, facing the rotated about core axis about 140°). staining.	ll flow ic sedi origin. t. Fol ally so other Some h	s. ( ments Int iatic me jo way ( memati	Genera and er- on ointin (i.e. te	11y g						
445	500	"Poker chip" siliceous and sericitic t chloritic quartz-eye bedded tuff. Chlo little more competent, all intensely kink banding common, hematite stain c sub-paralle to core axis. Traces of disseminated pyrite, quartz eyes smal chloritic zones, larger and abundant Foliation intense at about 50 - lower	o moder ritic s foliate ommon t fine gr 1 and s in sil- contac	ately ection d, with hrough ained carce serion t art	ons a th hout i in citic. oitrar	у					1P	ig I

\$ 1111

, IOPE	RTY _S	eagull Sturgeon LakeCLAIM	DEPTH	DIP	A21.	DEPTH	DIP	121	HOLE	NO	SG 81-1
								ļ	LOGGI	DBY _	
ATT I	UUE	STARTED			┥┥				CORE	120	)E
:PAR	TURE -	FINISHED							SECTIO	DN	
.EVA	TION _	TOTAL LENGTH	ا D.D.Co	 	 	•		1 .	; LEVEL		
	OTAGE			ip 1962) Tainding					Page	4 OI	4
IOM	TD	DESCRIPTION				SAMP NO	LE FRO	M	TO LENGT	"	
500	551 	Upper contact of this unit is arbitran of conspicuous quartz eyes - Multicolo Varies from white to cherty through sh distinctly green and chloritic. Some colour banding (=bedding) quartz eyes otherwise vey like above unit. 544-55 moderate disseminated pyrite, Assayed not well developed, some shearing in t	y, ma) oured h hades ( very ( s scarc 50 has - kin) the sar	ked h banded of pir lelica te to high band ne din	by abs 1 tuff hk to ate absen - ling rectio 	ence • t					
1	609	Mostly poker chip siliceous and ser quartz-eye tuff, intensely foliated at axis, very blocky core. Several small andesite flows? between 551 & 560. H well developed, but fracturing and she to core axis can be seen reflecting st general direction. Well laced with sm little or no sulfides.	amygo Lamygo Link ba earing resses hall qu	s begc 50 laloid inding at lo in t iartz	to co lal not ow ang the same eyes	re les me		201	ATRICIA, M E E E JUL 1	UNG DI VE 1982	P.M.
9	637	Rather imperceptible change from unit just slowly grow more abundant and bed tinct. "heteroclastic" lapilli tuff. white, green and pinkish lapilli in a variety in size as well as colour. St siliceous. No noticeable sulfides.	above. Iding be A vari grey m ill sl	Lap comes ety c atrix ight1	oilli indi: of :. A .y	5-			M. 1810 10,11,11	0244	
đ of	hole	· · ·							TDAN GLE	J. FILL J. FILL P. C.	) TRS

where is a state of the second second

ショナ いうないちょうごう ふっかわ



VALORA LAKE 52 G / 14 SE M-2052 Locale 400 Ft.

1=400

	IDPE	RTY _S	Seagull Sturgeon Lake CLAIM	DEPTH DIP	A21.	DEPTH C		21	HOLEN	10. <u>SG</u>	<u>81-13 /</u>
				200 73	180	700	45		LOGGE	) BY _G	. Richme
2	<b>ATIT</b>	UDE _	18 + 50NSTARTED STARTED	300 65		800	43		CORES	2E	2
	:PAF	RTURE.	115 + 00E FINISHED Mar 30, 1981	400 59					SECTIO	N1	15 East
			967 [°]			1			LEVEL	<b></b>	
	.EV/	ATION .	TOTAL LENGTH	D D Co.					Page 1	of 6	
	RE F	OOTAGE	DESCRIPTION			SAMPLE	FROM	то	LENGTH		
	0	50	Casing	******							a de ante de la sector de la s
-	50	102	Moderatelychloritic tuff and lapilli t moderate to strong about 40° to c.a. blocky core. Vuggy quartz veins, - g leaching of pyrite.	uff. Foliati Quite fractu round water	ion ired,						
	102	153	Grey to greenish grey massive tuff an moderately chloritic. Disseminated a throughout. Foliation weak 35-40. stringers containing grains of pyrite pyrite. Overall considerable carbona	d lapilli tuf nd stringer p A few quartz and rare cha te?	f, oyrite llco-						
	153	166.7	Grey green cherty tuff with wisps of along foliation (about 40° to c.a.) C in places, probably more than meets t quite high as stringers and disseminat	chlorite ab arbonate dist he eye. Pyri ed grains.	oundar inct te	nt			• • • • • • •		
10	56.7	169.1	Massive moderate to fine grained gree Possibly a flow, as lower contact app the upper one is not. Grains of diss most likely a dike.	nish grey and ears chilled, eminated pyri	esite and te -	9?		*	•		
16	59.1	171.3	Grey green cherty tuff as above.						·		
-	1.3	175.2	Andesite as above, probably a dike or	sill.	• • • • • • • • • • •				+		
-	5.2	 176.1	Grey green cherty tuff as above						++		
. 17	6.1	 178.2	Andesite? as above - sill or dike	*****					ᠠ		
, ·									++	+7	Ry

		an aral himatana ana dan kaka kana ana ana ana ana ana ana ana	لاتقا البرانية فالمتألف	in suite suite in the	و بمارون از از ا		han and the second	والمراجعة والمحاول	مادد تشعنه أح		- 57		
OPE	RTY _S	eagull Sturgeon LakeCLAIM	DEPTH	414	A21.			<u>'   ^</u>	<u> </u>	LOGGE		5 0	
ידודו	JDE	STARTED		+			1			CORESI	ZE		
PAR	TURE -	FINISHED								SECTIO	<u>, 119</u>	5 E	
				+	<u> </u>		1			LEVEL	*****		-
.EVA	TION _	TOTAL LENGTH	D.D.Co.							Page 2	of	6	
REFO	TO	DESCRIPTION				SAN	PLE	FROM	то	LENGTH			
178.2	187	Cherty tuff with wispy chlorite as abo to pink by hematite. Pyrite as string grains and wispy fine grained patches at about 40, tlocky in places.	ove, bu gers, d . Foli	ut sta lissem lation	ined hinate stro	đ ng		<u></u>					
187	247	Imperceptible change from above unit. bit more chloritic than above and chlo -more diffuse. Pyrite continues high disseminated grains. Some guartz-cark - TØ veins with a few contained grains Foliation moderate at about 45.	Chert Drite 1 as str Donate S of ch	ty tuf less w cinger and q nalcop	f, a vispy s and z-car byrite	ь.							<b>•</b> •• •
247	257	Cherty tuff with high pyrite, not dist generally stained pink with hematite. moderate at $40^{-45}$ to c.a.	high pyrite, not distinctly bedued- d pink with hematite. Foliation 45 to c.a.							+			
257	302	mewhat less siliceous and more chloritic massive ff and lapilli tuff. Possibly bedded in places, but ither bedding nor lapilli are any place distinct. esents a generally mottled and marbleized appearance. obably contains considerable carbonate alt'n. liation weak about 50° + ? often breaks across liation. Minor disseminated pyrite, a few qz-carb ins along foliation, especially in the last 10' or so, ich is fractured and blocky with signs of ground ter leaching.											
302		Generally confused succession of cherty tuffs as above and intermediate flows or intrusions, probably flows. (or both) Intermediates vary in grain size sometimes show chilled contacts, sometimes not. Some quartz stringers across foliation. Some sections appear to be bedded and there are numerous pink carbonate bands. Some material appears amygdaloidal. Andesitic material				e 1						TRE	

	OPERTY Seagull Strugeon Lake CLAIM					AZ1.	102	PTH	1	A21	HOLEN	10, 50	; 81-	13	د کمیا
							仁	•			LOGGE	) BY _			
•			STARTED			}					SECTIO	, 115	5 E		
	IPAR	TURE _	FINISHED				╢─				LEVEL	•			
	.EVA	TION _	TOTAL LENGTH	D D.Co			•			·	Page	3 of	5 6		
	REFO	TO	DESCRIPTION					SAMPLE	FRON	и то	LENGTH				
	360	405	Massive (lapilli??) tuff, generally gro chlorite. Not so patchy in appearance Pyrite moderate to high, especially 36 massive. Foliation weak at 45 to c.a siliceous about 395-402 with stringers chalcopyrite. Assay 395-405, 2" qz-ca 395.5 with minor chalcopyrite. Main ch is quite cherty, almost a blue grey co	ey, wi as tu 5.8-ne Bec and p rb-tø nalcop Nour.	th wi ffs a arly omes atche veins yrite	spy bove. very s of at zone									•
	405	490	Grey fragmental, usually recognizable little darker in colour than unit above distinct top of section, gradually become with a few exceptional zones. Much of massive. Sparse sulfides, mainly pyrio disseminated grains. A few small qz-ca foliation, which is weak to moderate at Intermediate dike with chilled contacts 470-490, grey fragmental is essentially	iapill . La . La	i tuf pilli indis zone blebs ins a to c. 8-444 ive.	f. A most tinct is qu or long a. .5 fr	iit om								
·	490	526	Rather sharp upper contacts; distinct grey fragmental below 490. Change apper textural. Continues to be moderately s Chloritoid begins to be noticeable, of grains within single lapilli, and notal vein about 15 to c.a. @ 552. Foliation 50 - rock often breaks across it. Sub quite sparse. Minor chalcopyrite in 5	lapill ears t silice ten as oly as on wea lfides ' qz v	i vis o be ous. a fe a di k at gene ein a	ible mainl w ffuse about rally t 523	in y								
-	526	542	Dike zone: Massive and lapilli tuff as number of intermediate dikes with chill Curiously, the two larger dikes (527-52 534.1) are neatly bisected by qz-carb	s abov Led co 28.4) 7eins.	e cut ntact & (53	by a s. 2.5-							18	e l	-
1										ļ				7	

-

「東京

1.1

IOPE	JDE	STARTED							LOGGE CORE S	. 28 -		
:PAR	TURE _								SECTIO	N_11	5_ <u>F</u>	
.EVA	TION _	TOTAL LENGTH	D.D.Co			[]		[]	LEVEL			
RE FO	TO	DESCRIPTION		e rie in andriane		SAMP	LE FRO	ом то	LENGTH	<u>4_0</u> f	6	
542	563	Upper contact sharply marked by sudd lapilli: Virtually featureless mass possibly be flow. Qz. filled tensio to c.a. at 543 most noticeable featu abrupt.	ct sharply marked by sudden absence of irtually featureless massive grey tuff;could flow. Qz. filled tension veins about 0-5 543 most noticeable feature. Lower contact									
563	586	Lapilli-chloritoid zone. Well devel with pervasively disseminated grains Very weak foliation Lapilli quite mostly pale in a grey green matrix. sharp.	-chloritoid zone. Well developed lapilli tuff ervasively disseminated grains of choritoid. eak foliation Lapilli quite variable in size, pale in a grey green matrix. Lower contact quite									
6	668	Massive tuff, greyto green grey, lap appears more basic than above. Indi noticeable about 606. Foliation wea 45  . 594-597 a few very narrow str and chalcopyrite along foliation. M W.R.A. Below 597, a number of small along foliation but some apparently esp. at 606.5 where foliation & foli about 50  and a cross cutting tensi about 35  to c.a. and rotated about (Foliation <u>090</u> , tension 160/55E)	Ve tuff, greyto green grey, lapilli visible. Rock rs more basic than above. Indistinct banding eable about 606. Foliation weak to moderate @ 594-597 a few very narrow stringers of pyrite nalcopyrite along foliation. Most included in Below 597, a number of small qz-carb veins mostly foliation but some apparently younger are contrary at 606.5 where foliation & foliation veins are 50° and a cross cutting tension vein is at 35° to c.a. and rotated about 85° from foliation ation 090, tension 160/55E)									
68 672 Fine grained pale green dike or sill. Mafic minerals appear as needles of chlorite along foliation. Rock was perhaps porphyritic ground mass very fine grained. Foliation weak about 70° to c.a. Slightly chilled contacts.												
2	678.5	Chloritic vague lapilli tuff. Appea more mafic than average at 556-668. A about 70°.	rs to be Weakly	slig folia	htly ted							 >4

									Esten:	Kense.				
. IOPE	RTY	Seagull Sturgeon LakeCLAIM	DEPTH	DID	A21.	DEP	TH	DIP	A2		HOLE N	0 ) BY	56 01	
TITI	JDE	STARTED									CORES	ZE		
:PAR	TURE _	FINISHED									SECTIO	v <u> </u>	5 E	
.EVA	TION _	TOTAL LENGTH	D.D.Co			1	1		1	;	LEVEL Page	5 of	6	
RE FO		DESCRIPTION	ta settera de tapacitat				SAMPL	E FRO	<b>ж</b>	то	LENGTH			
678.5	680.5	Intrusion as in 668-672 - probably a s contacts, some possible bleaching of w sion contains very minor disseminated very irregular (Fracture).	ill. all ro pyrite	Chill ock. e. Co	led Intru ontact	1- : S								
680.5	698.0	Chloritic massive to vague lapilli tuf 672-678.5. Foliation-controlled: qz-c about 40 to c.a.	f. Mu arb ve	ich as eins a	are									
698.0	703.0	Fine grained amygdaloidal (in places) is fine grained highly chloritic rock, a amygdales of carbonate. A few blebs a chalcopyrite and pyrite especially in within this zone appear to run at $35^{-}$ foliation is weak at 60°. Relation indicate an easterly plunge of $\sim 15^{\circ}$ .	mafic few po nd gra contao 45° to ship v	flows ossibl ains c cts. o c.a. would	e.e of Conta whil	ery acts								
703.0	709.0	Chloritic fragmental. Foliation weak	about	50 ⁰ ?				   					<b>+</b>	
709.0	718.	Pale green fine grained, slightly porp Would appear to be at least as acid as Upper contact (w.r.t.hole) is chilled, wall rock, lower contact obscured by gr along it. Contacts are both about 35 Foliation within dike is weak at about appears to another fabric at about 35 bands, possibly old joints? Suite spee characteristic (714.9-715.9).	hyriti andes with z-cark tooca 60 -6 marked cimen	ic dik site. 1" bl bonate a 5 5 1 by F is	Daci Daci eache vein There bale	te?								
718.8	743.0	Chloritic vague fragmental massive - no -appears to be made up of mostly chlori Not too dissimilar to fragmentals above weak at $50-60$ . No significant sulfi-	o dist te and e. Fo des.	inct carb liati	lapil onate on is	.1:							TR	P

;ÔPI	ERTY S	eagull Sturgeon LakeCLAIM	DEPTH	PIP	A21.	DEPTH	DIP	A21.	HOLEN	10, <u>S</u>	81-13
े. गा	UDE	STARTED					 		CORES	ZE	
:DA		EIANICHED							SECTIO	N_115	E
		FINISHED							LEVEL		
.EV.	ATION _	TOTAL LENGTH	DDCo.						Page	6 of 6	5
RE F	TO	DESCRIPTION				SAMP	LE FAC	м то	LENGTH		
743.0	745.0	Intensely cloritic shear zone? At al Boudinaged carbonate stringers, and s Foliation carbonate vein @ about 45	some cla cross	10° at ay mir cuts.	c.a. herals	•					
745.0	787.0	Grey fragmental? Massive and lapilli often quite distinct, grey to greenis Distinctly different from 718.8-743.0 (45°) and blocky 775-777. Appears t siliceous with depth. Lower contact on the basis of noticeable chloritoid	i tuff, sh grey ). Stro to be go purely 1.	lapil in cc onglyfc etting arbit	li blour. bliate more rary	d					
787.0	827.0	Chloritoid rich grey fragmental lapil tuff. Chloritoid as wispy stringers grains (porphyroblasts). Rock is fol to c.a., as often as not breaks contr sulfides, carbonate abundant: Contac in the basis of noticeable chloritoid	lli tuf and di liated rary. 1 cts are d.	f to m ssemir @ abou Little arbit	hassiv hated ht 45 e or n trary	e 10		PATE		NING DV.	
••• 827		Wispy chlorite fragmental. Massive to wispy chlorite along foliation, which 45°. Rock appears to be high in cart feet orso are increasingly hematite st probably due to ground water leaching of disseminated pyrite.	to lapi is sti bonate. tained a g. Cont	lli tu ll abo Last and vu ains	out 8 1999, traces	5		л.м. 7 <u>1819</u> 1	JUL 1 5	1982 1982 12131415	
end c	xf höl	,/ 9									IR IR GUE MALL 6 8 2 5 0 0 0 0 0 0 0



	OPE	RTY	Seagull Sturgeon LakeCLAIM	рерти DIP А21. Со11ат 80 180	DEPTH 507	D1P 61	A21.	HOLEN	۲0, _9	<u>G_R1-14</u>	_
	TIT	UDE	16 + 50N STARTED Mar 31, 1981	97 77	600 700	59 55		CORES	084. 176 B	0	0
	:PAR		119E FINISHED Apr 4, 1981	300 70				SECTIO	N1	19E	
	E \/ A		TOTAL ( SUCTURE 847					LEVEL		-	-
				D D.Co				Page 1	. of	5	
	RE FO	TO	DESCRIPTION	•	SAMP	LE FRON	л то	LENGTH			
	0	37	Casing in overburden								T
	37	52	Moderately siliceous grey la illi tuf weak & varies 35 -45 to core axis. & gz-carb veins, one of which, at 46' stringer of chalcopyrite. There are blebs of pyrite, which appears to fra tact not distinct.	f. Foliation fair A few small quartz has a small also some large gments. Lower con	ī						
-	52	75	Vague lapilli to indistincly bedded c appearance varies from green to grey some iron staining. Foliation contin weak at 40°. Still a few quartz carb should be fairly siliceous. Both con are rather arbitrary based on lapilli	herty tuff. Mottl to yellowish white ues to be fairly onate veins; tacts of this unit and colour.	e					• • • • • • • • • • •	
-	75	92	Grey lapill tuff. Pale lapilli in a Foliation weak to moderate at about 4 disseminated pyrite, and a few grey c halites?	grey matrix. 5 to c.a. Trace herty layers- ?ex-							
-	92	106	Bedded to massive tuff. Upper contac lower also. Fine grained, grey, bedd vague, a few zones possible lapilli. foliation essent: (lly = at 45°.	t quite sharp, ing distinct to Bedding and					*****		• • •
				- <b></b>		• • • • • • •		~~~~~			•
,										TRY	

· IOPE	ATY Se	agull Sturgeon LakeCLAIM	DEPTH	DIP	AZI.	DEPTH	DIP	AZI.	HOLEN	10. <u>- S</u>	<u>G_81-</u>	<u>14</u>
TIT	UDE	STARTED							CORE S	ZE	9 E	
:PAF	RTURE _	FINISHED		<b> </b>					SECTIO	N		
.EVA	ATION _	TOTAL LENGTH	, D.D.Co .		· · ·				Page	2 of	5	******
RE F	OOTAGE TO	DESCRIPTION	e accide a a cod			SAM	LE FR	DT MC	LENGTH			
106	194.2	Fine grained disseminated pyrite, and common. Foliation appears to be mode at 45°. From 119-124 is rhyolite tuf wall rock contacts, grain size is very disseminated pyrite, and the odd quar highly limonite stained at contacts an Could possibly be a cherty tuff, less From about 180-194 there are stringers grained pyrite with occasional traces that may be fragments of bedded sulfice	hemat: rate to f? wif y small tz eye nd alon likely s or wi of cha des.	ite st o stro th ble l, wit . Sil ng fra y intr isps o alcopy	ain i ong eached th min 1? i octure cusion of fin vrite	s or s s.						
94.2	197.5	Fine grained massive pale greenish greenish difficulty foliated at about 45°. Bleaching with tacts suggests chilled margins; this dike or <u>sill</u> .	ey roc) hin uni is pro	k, uni it at obably	forml con- a	У						
97.5	225	Hematite stained bedded tuff. Interview several small intrusions similar to waries from relatively undisturbed to over intervals as short as 0.5' sugges ity at least of soft sediment deformations dark green highly chloritic band pink bands rich in guartz or carbonate hematite, giving a very distinctive matine grained pyrite and possibly sphale 204-207. Elsewhere wisps of fine grained for the sediment of the grained sediment wisps of fine grained sediment wisps sediment sediment sediment sediment sediment wisps sediment sedim	val con unit al highly sting t tion. ds and s arbleiz srupted lerite, ined su	ntains pove. y cont the po Rock white staine zed lo beds from ulfide	Bedd orted ssibi con- to d by ok. of abou s.	ing 33] 1- 33] t	.3 201 201 4 201 21	5-				
25		Vaguely bedded siliceous tuff to tuff few large fragments. At 237 some funn looking carbonate fragments with disse similar to ones seen at 767 in hole 8 a pale grey cherty (cont'd. new( page)	brecci ny gran eminate . Most	a. C nular ed pyr c of u	nly a ite nit i	8	••••••••••••••••••••••••••••••••••••••				TR	ę

٠		Sturgeon Take				DEPTH	D1 P	A71	- HOL	NO	SG	81-
OPE	RTY _	Seaguil Sturgeon Lake CLAIM	DEPTH	410	AZI.			141.	-			
<b>-</b> . <b>.</b>										ED BY	-	بمودات والمتحد مواد
<b>~ • • • • •</b>	UUE	STARTED			łł				CORE	SIZE _	10 F	
PAR	TURE.	FINISHED							SECT	ON		
EVA		TOTALLENCTU	[			1 1			LEVE	L		
			0 D Co						Page	3 01		
REFO	DOTAGE		(*************************************									-
IOM	TO		ectrikir upquelikas:	Partition and the		NO	E FRO		U LENG	гн		
	287	matrix with wisps or ill-defined band material; fairly siliceous overall. I 260.5-263.5 may be rhyolite flow. Co intermediate flow from 265.1-268.8 wi pyrite. Below 267, rock appears the but a generally fine texture. Folia at about 45°. Lower contact arbitrar	is of cr lassive barse gr th coar same co tion we Y	band ained se gi mposi ak-mo	from from ained tion, oderat	e						
287	357.5	Grey massive tuff to lapilli tuff. I vague or nil. Foliiation generally v 45 - 50°. Layering or banding (bedd angle, often nearly 0°, some rounded that may be lapilli and some ptygmatic veins with minor pyrite & chalcopyrid stringers contain chloritoid. Overal From 324.5-328.0 there is a sill or c intrusive rock, possibly quartz mon contact badly fractured, lower is abo and rotated about 120° (counter cloc) foliation, looking down the hole (13)	Bedding yeak to blebs of quartz e. Som l quite like of conite? out 35 wise) f (90)	usual moder at a f car -cark e car sili gneis Uppe to co rom	ly ate a lower bonate bonate bonate bonate ceous sic er ere ax	 e • •						
7.5	363.4	Fairly sharp upper contact to this zo laminated siliceous sericitic tuff. at 45° to core axis. Distinct crenul traces of crenulation about 20° from the foliation ellipse, viewed in plan (I would estimate the axial plane of strike N20 ( $\pm$ 10) E and dip 75° - 85° also sharp.	ne: Fi Intense ation, the lon e of fo crenula W) low	nely ly fc with g axi liati tion er co	oliate axial s of on. to ontact	đ						
3.4 		Massive and structureless grey silice locally a few wisps o stringers of c foliated about 50° to c.a. a few blet chalcopyrite, but cverall less than 1	ous tuf hlorite s of py & sulfi	f, wi . We rite des.	th akly and						Ţ	P

All a ward a

राज्य के के का के बात

A construction of the second second

•		and the	DEPTH D	IP 1	AZI. 1	DEPTH	DIPA	21.	HOLE	v0	SG	<u>81 -1</u>	•
OP	ERTY 50	eaguil Sturgeon Lake CLAIM							LOGGE	D 84 .			-
<b>AT 11</b>		STARTED							CORE S	ZE			•
:PA	RTURE	FINISHED							SECTIO	N	<u>19 E</u>	-	
					{				LEVEL		-		-
.EV	ATION _	TOTAL LENGTH	D D Co						Page	4 of	5		
R.f. i	FOOTAGE							1			T	1	r
IOM	то	DESCRIPTION				SAMPL NO.	E FROM	to	LENGTH				
	487	Pale coloured lapilli become fairly d below 400', and there are a few string with associated sulfides but on the winnext to nil. At 461 there is a highly chlorite vein with minor pyrite & char quartz is exceptionally glassy and tra- lower contact of this unit is gradation	istinct 1 gers? of hole sulf y contort lcopyrite ansparent onal & ar	local chlo ides ced q . T . T	ly rite are z-ca he he ary.	rb							
487	542	Chloritoid Zone. The same rock essent with conspicuous to abundant chlorito definitely speckled appearance. There preferred orientation, as is the case chlorite. A few lapilli visible in lo section. Lower contact fairly sharp.	tially as id, givin e appears with wis ower part	abo ga to pso of	be no	but							
542	560	Sudden absence of chloritoid. Grey ma less tuff as in 363.4-487. Still guid Weakly foliated at about 50°. Lower of sharp (over about 1').	assive - te highly contact f	stru sil airl	cture iceou y	2-1							
560	580	Chloritoid bearing lapilli tuff as in contact indistinct and gradational.	487-542,	low	er	_							_
580 ···	666.1	Grey massive tuff, the only structures being quartz carbonate veins along fol occasional clusters & stringers of chl Chloritoid much reduced from previous visible because of bland backgrounds. 558.8 appears to be lapilli tuff, and and minute stringers of chalcopyrite 55 massive, very fine grained rhyolite - sill, as contacts appear slightly chil	s commonly liation, loritoid section, A zone has some 58.3 - 55 may be a led.	y see and grain but from ble 9.5 dike	en ns. 554- bs is e or	3316	554.4 558.5				T	ÞĘ	

Т

					0.04644			NW SY GARO	Change and Shi	داست حمدا شد سم کاه مل		_ ] <i>A</i>
	· ':OPI	RTY _	Seagull Sturgeon Lake CLAIM	DIPTH	DIP	A21.	DEPTH	DIP	<u>A21.</u>	HOLE NO.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
		UDE _	STARTED					ļ				
					<u> </u>	<u> </u>				CORE SIZE	110 5	
•	PA	RTURE	FINISHED			1				SECTION_	119 E	
	Eve					1 1	1			LEVEL		
1	.5.41	KIIUN I	TOTAL LENGTH	D D Co						Page 5	of 5	
	REF	OOTAGE				-						
i Vir	10H	TO	DESCRIPTION	والمراقي والمتكافر المتكافر المتك			NO	LE FRO	то	LENGTH		
	666.1	676.	Fine grained massive grey tuff, with eyes much less than 1%. Foliation we	a few a ak, abou	small ut 60	guart.	2					
	676.8	760	Siliceous vague lapilli tuff. Block stained 680-683, and 686-687 is quite indistinctly bedded. Locally a few fine grained pyrite. Foliation vari- c.a. and is weak, which probably exp	y and he siliced wispy pa es from lains th	ematin bus an atchei 45 - ne van	te nd s of 60 ⁰ t riatic	.o					
	760	776	Heicrogeneous zone. Bedded to massive lapilli tuff, some ribboned and simplichlorite veins, and some minor dykes abudant locally, elsewhere absent. massive tuff to lapilli tuff, chlorit in last 10-20'. Several very small	e tuff, le quart . Chlor Grey sil toid app intermed	inclu z-cal itoid liceou barent liate	ding b- l is is dikes	808- 815	. 331	.7			
		847	Quartz-carbonate-chlorite vein at 80 minor pyrite & chalcopyrite, and dis of pyrite & chalcopyrite can be seen	9-810 cc seminate at 817-	ontair ed gra •820.	ns Nins	815 882.	- 33]	.8	а.м. 7 <u>1819</u> 10(11)	12-1-12-13 12-1-12-13 1	P.M. Լլֆլգ
•	end o:	hol								PROFESS State	100 4 4 CT G	
	••									TON GL	Delle R	Alul

F-320-> FOFO た . ? ? دته . ۲-۱۳، نکری GYO 1007' SG-8+6' (denth 1127) 56-81-5" (depth 867) 891, 14 FA 227062 (897, 14) (portion)

VALORA LAKE 52G/14SE M-2052 Locale 400 Ft.

-



Tom Shall "= 400'

Pe. PD. Po Pa. Pe. 210941 210938 210935 229167 229170 279173 229251 243807 210944 Ć Slurgeon 243804 243803 Po. Po. 16.600 Po. 210945 1 210942 210939 1 210936 1 Fa 229168 500 229169 229174 229175 100 243806 + 24360 0. ] P. - - -204792 204791 ...... 105501 Ĩ, 222238 229165 229160 243816 21049 Pa. 243810 243809 243808 211167 24381 O Po. Po, 205502 205497 205500 100 Po. 210947 22/239 229:54 LOKE 229161 243815 243812 Po 22706 122706 227065 . ·1d.-Big C O 227063 Po. 227062 Pa Pe. 205498 205499 210946 222240 229163 229162 226449 Pe. Pe 20350 Po. 243814 243813 Ô ዀ፞፞ጏ՟ 227066 227067 1 227068 211162 Po. 227069 735 436 226454 1436738 436739 43674 - Ch Po. IPa. 226 455 227076 / 227074 227070 211/63 Pa Po 2264 436745 436746 43671 P Po 14367481436749 'Pe. 1Pe 436750 436751 1227070 227089 koot 227090 227091 227092 227093 227119 227071 227076 227073 0. Po. -Pe Beidelman-227190 210419 227088 227087 227120 210423 210420 227167 227072 227,089 12270751 (1 1Pe Boypo 221619 221618 227188 210418 10422 210421 227085 2220865 1/227121 4-570522 1.1.2 \$10320 510321 ravet. 227193 · · · · · 01<u>.</u> 227122 227161 22711 Pe. 1.1.1 647876 647879 Gifust: P. - 770 227194 227197 41859 CIUSH 227110 227196 227195 64106 4 100 1000 227160 647878 4478751 647880 227/23 j 🛈 W1857 647852 647863 647862 647862 647862 647862 647881 647853 -----10 Cluster 0 /(4)1856 647854 647855 647864 647865 / 647868 5~ Valora Lake 647873 647872 647811 647872 64781 M-2052 52G/14SE Scale Valora Laker 40 chains M-2052  $\mathcal{O}$ #70-82 SEAGULL RESPONDEDS ligger IG MW.P. 

PENASSI LAKE M.2257





hall a second second



## PENASSI LAKE M.2257



Valora Lake 11-2052 32 G/14 SE (99) Penassi Lake M-2257 Instructions - Supply required data on a separate form for each MANSILYU Report type of work to be recorded (see table below), Natural of Work # 82-70 For Geo-technical work use form no. 1362 "Report Resources of Work (Geological, Geophysical, Geochemical and Ontario Geology Neme and Postal Address of Recorded Holder Expenditures)". The Mining Act Prospector's Licence No. SEAGULL RESOURCES LTD T927 om Gledhill 21 Sondalwood Place Dow MILLS Summary of Work Performance and Distribution of Credits Total Work Days Cr. claimed Mining Claim Mining Claim Work **Mining Claim** Work Work Days Cr. Days Cr. Prefix Prefix Days Cr. Profix 1067 for Performance of the following Number Number Number **?a** 537930 115 Pa 115 544438 work, (Check one only) ğ 537931 115 Manual Work 537936 115 Shaft Sinking Drifting or other Lateral Work. 537937 115 Compressed Air, other Power driven or mechanical equip. 537938 115 Power Stripping 544455 115 Diamond or other Core <u>544434 |15</u> drilling Land Survey 544435 115 Pa 227061 All the work was performed on Mining Claim(s): Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below) Drilling - Landian Longyear Canada Inc. Buy 330 North Bay, Out. Supervisor - Tom Gladhill P. Eng. 52G14SE ო 4 ST 00 21 Sandalwood Place 5201 PON MILLS, ONT. MBBILS BQ. wielie NV. Recorded Doris N. Cocco Performed 1.67 days Recorded 1035 days PATRICIA MINING DIV. 32 days Babace EGEIVE for future use JUL 1 5 1982 A. 537930 Recorded Holder of Agent (Signatura) 7181911011112111213141516 Date of Report und 30 Certification Verifying Report of Work I hereby certify that I have a personal and intimate knowledge of the facts set fort). In the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true. Name and Postal Address of Person Certifying TOM GLEDHILL - 21 Sondalwood Place Certified by (Signature) DON MILLS, ONT MOBILS Table of Information/Attachments Required by the Mining Recorder Type of Work Specific information per type Other Information (Common to 2 or more types) Attachments Manual Work NI Shaft Sinking, Drifting or Namos and addresses of men who performed Work Sketch: these other Lateral Work manual work/operated equipment, together are required to show with dates and hours of employment. the location and Compressed air, other power Type of equipment extent of work in driven or mechanical equip. relation to the nearest claim post. Type of equipment and amount expended, **Power Stripping** Note: Proof of actual cost must be submitted Names and addresses of owner or operator within 30 days of recording. together with dates when drilling/stripping

## Report of Work

Valora Lake M-2052 Penassi Lake M-2257 # 82-70

π 02 /0	
Name and postal address of recorded holder Prospectors Licence No: <u>T 927</u>	Seagull Resources Ltd. c/o Tom Gledhill 21 Sandalwood Place Don Mills, Ontario M3B 1L5
Summary of Work Performance and	Distribution of Credits
Total work days Cr. claimed: 1067	
All work performed on mining claim(s): PA	22/061 & 22/062
<u>Mining Claim</u> Work <u>Mining Claim</u> <u>Prefix Number Days Cr. Prefix Number</u>	Work <u>Mining Claim</u> Work Days Cr. Prefix Number Days Cr.
PA       537930       115       PA       544438         537931       115       537936       115         537937       115       537938       115         537938       115       544433       115         544434       115       544435       115	115  1035 days
Drilling: Longyear Canada Inc. Box 330 North Bay, Ontario B	.Q. Wireline
Supervisor: Tom Gledhill, P. Eng. * 21 Sandalwood Place Don Mills, Ontario M3B 1L5	Performed 1067 days Recorded <u>1035</u> days Balance <u>32</u> days for future use PA537930
Date of Report: June 30, 1982	

Recorded holder or agent: Tom Gledhill

Name and postal address of person certifying: Tom Gledhill 21 Sandalwood Place Don Mills, Ontario M3B 1L5

26

3.00

Date Certified: June 30, 1982

Valora Lake. M-2052 52 G/14 SE (96) Annativol Report instructions -Supply required data on a separate form for each # 82-71 type of work to be recorded (see table below). Natural of Work Resources For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)". reology The Mining Act Name and Postal Adurass of Recorded Holder Prospector's Licence No. RESORCES LTP. SEAGULL 1927 4. Tom Gledhill 21 Sondalwood Pl. DON MILLS, ONT M3BILS Summary of Work Performance and Distribution of Credits Total Work Days Cr. claimed Mining Claim Mining Claim Work Mining Claim Work Work Days Cr. Prefix Number Days Cr Days Cr. Profix Number Prefix 1662) Numba for Performance of the following work. (Check one only) Pa Pa 75 436735 436743 1a 75 436751 75 75 436794 75 436736 43675Z 75 Manual Work 75 75 436737 436745 ++5-Shaft Sinking Drifting or other Lateral Work. 77 436738 436746 Compressed Air, other Power driven or mechanical equip. (Ra 75 436939 436747 Power Stripping 75 75 436748 Diemond or other Core 436441 78 436749 75 drilling Land Survey U7L942 - 436741 Pa 436738 ~ All the work was performed on Mining Claim(s): Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below) Drilling: Longyear Canada Inc Box 330 North Bay, Out B. Q. Wireline Supervisor: Tombledhill P.Eng. Recorded 1662 days 21 Sondalwood Place Balance 312 days DON MILLS, Outaria M3BILS - for future use PATRICIA MINING DIV ECEIVE JUL 1 5 1982 La. 436735 7181911011112111213141510 me 30 Certification Verifying Report of Work I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true. Name and Postal Address of Person Certifying Sondolwood Vlace 21 IONI GLEDHILL Certified by (Signature) DON MILLS, ONT. M3BILS Table of Information/Attachments Required by the Mining Recorder Type of Work Specific Information per type Other information (Common to 2 or more types) Attachments Manual Work Nii Shaft Sinking, Drifting or Names and addresses of men who performed Carlor Con Work Sketch: these other Lateral Work menual work/operated equipment, together are required to show with dates and hours of employment. the location and Compressed air, other power Type of equipment extent of work in driven or mechanical equip. relation to the nearest claim post. Type of equipment and amount expended. **Power Stripping** Note: Proof of actual cost must be submitted Names and addresses of owner or operator within 30 days of recording. together with dates when drilling/stripping

t

#### Report of Work Valora Lake M-2052 # 82-71

Name and postal address of recorded	holder: <u>Seagull Resources Ltd.</u>
Prospectors Licence Nov 7927	c/o Tom Gledhill
	21 Sandalwood Place
	Don Mills, Ontario M3B 1L5

Work performed on Mining Claim(s): PA436738 and 436741

For performance of following work: Diamond or other core drilling

Mining Claim			lining Cl	aim				
		Work	Work		Work			Work
Prefix	Number	Days Cr.	^v refix	Number	Days Cr.	Prefix	Number	Days Cr.
				406740				
PA	436735	75	PA	436/43	75	PA	436751	75
	436736	75		436744	75		436752	75
	436737	75		436745	75			
	436738	75		436746	75			
	436739	75		436747	75			
	436740	75		436748	75			
	436741	75		436749	75			
	436742	75		436750	75			

Drilling: Longyear Canada Inc. Box 330 North Bay, Ontario

B.Q. Wireline

Supervisor:	Tom Gledhill, P. Eng.
-	21 Sandalwood Place
	Don Mills, Ontario
	M3B 1L5

*Performed 1662 days Recorded <u>1350</u> days Balance <u>312</u> days for future use

#### PA 436735

Date of Report: June 30, 1982

Recorded holder or Agent: Tom Gledhill

Name and postal address of person certifying:

Tom Gledhill 21 Sandalwood Place Don Mills, Ontario M3B JL5

Valara Lakes Plane 21 52 G /14. SE (97). .! 1 s at to the turns of the pty respected stars ra-# 22-12 type of work to be see of Work -For Gro technical work wir fram on it of Work (Geological, Geophysical, Genetic es out Geolsgy The Mining Act SEAGULL RESOURCES LTP. Expenditures)". Prospector's Larence top SEAGULL RESOURCES LTD. 1927 % Tom GLEDHILL 21 Sondalwood Place Don MILLS, DNI: HISPILS Suminary of Work Performance and Distribution of Credits Total Work Days Cr. claimed Mining Claim Work Days Cr. Mining Claim Work Days Cr. Mining Claim Constant Constant Prefix Number Prefix Ni, star 934 Prefix Number Pa 115 or Performance of the following work, (Check one only) 537961 . . 537962 115 Manual Work 537963 115 Shatt Sinking Drifting or other Lateral Work. 537964 115 Compressed Air, other Power driven or mechanical equip. 537965 115 Power Stripping 537966 115 Diamond or other Core 537967 115 drilling Land Survey 115 537968 All the work was performed on Mining Claim(s):  $P_a$ Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below) Drilling. Longyear Conadaluc. BOX 330 NORTH BAY ONT. BQ. Wireline Supervisor: Tom GLEDHILL Recorded 934 days 21 Sondalwood Plan Balance 14 days DONMILLS, ONT JUSBILS for future use MINING RECORDS OFFICE . TOROHTO EGEIVE PATRICIA MINING DIV RECEIVE JUL 1 3 1982 JUL 1 5 1982 718191101111211121314156 A.M. P.M. 7181911011112111213141516 perfor Heport une 30/82 Certification Verifying Report of Work I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true. Name and Postal Address of Person Certifying OM GLEOHILL 21 Soudal wood Place DON MILLS, OWT. MBBILS Date Certified prmation/Attachments Required by the Mining Recorder Certified by (Signature) able of Information/Attachments Required by the Mining Recorder Specific Information per type Other information (Common to 2 or more types) Type of Work Attachinents Manual Work NII Shaft Sinking, Drifting or Names and acclusses of men who performed Work Sketch: these other Lateral Work manual work/operated equipment, together are required to show with dates and hours of employment, the location and Compressed air, other power Type of equipment extent of work in driven or mechanical equip. relation to the nearest claim post. Type of equipment and amount expended. Note: Proof of actual cost must be submitted Power Stripping Names and addresses of owner or operator within 30 days of recording. together with dates when drilling/stripping

Report of Work

#### Valara Lake M-2052 # 82-72

Name and address of recorded holder: Seagull Resources Ltd. c/o Tom Gledhill 21 Sandalwood Place Prospectors Licence No: T927 Don Mills, Ontario M3B 1L5

Summary of Work Performance and Distribution of Credits

Total work days claimed: 934

du lu

For performance of following work: Diamond or other Core Drilling

	Minin	ng Claim	_				
	- <u></u>		Work				
	Prefix	Number	Days Cr.				
	77	522061	115				
	PA	537961	115				
		53/962	115				
		537963	115				
		537964	110				
		537905	115				
		537900	115				
		537907	115				
		53/900	115				
All work performed on	following	claims:	243805				
Drilling: Longyear Ca Box 330 North Bay,	nada Inc. Ontario		B.Q. Wireli	ne			
Supervisor: Tom Gledh 21 Sandal Don Mills	ill wood Place , Ontario	)	*Performed Recorded Balance	934 <u>920</u> 14	days days days for	future	use
			PA537939				
Date of Report: June	30, 1982						
Recorded holder or age	nt: Tom G	ledhill					
Name and postal addres	s of perso	on certif	Eying: Tom ( 21 S Don 1 M3B	Gledh andal Mills 1L5	ill wood Place , Ontario	9	

Valora Lake M-2052 526/14 SE (98) Supply required data on a separate form for each MUNSLIVO Report Instructions -of Work # 82-73 type of work to be recorded (see table below).  $\overline{\mathbf{v}}$ Natural Resources For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)". Ontario Name and Postal Add for of Recorda Holder The Mining Act Prospector's Licence No. RESOURCES LTD SEAGULL 21 Sandalwood PL, DON MILLS, ONT om GLEDHILL Summary of Work Performance and Distribution of Credits Total Work Days Cr. claimed Mining Claim Mining Claim Work Work Mining Claim Work Days Cr. Prefix Number 323/ Nember Days Cr. Prefix Prefix Number Days Cr. 37955 Pa 715 537934 // 5 115 for Performance of the following 53794 115 work. (Check one only) 531940 115 53795 53795 53796 537976 537970 537970 537977 537977 537948 Manual Work 115 115 Shaft Sinking Drifting or other Lateral Work. 537949 115 115 115 Compressed Air, other Power driven or mechanical equip. 115 11S Power Stripping //\$ Diamond or other Core drilling 537979 115 Land Survey 537980 537946 227062 Po All the work was performed on Mining Claim(s): Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below) Drilling: Longyear Grade INC. Box 330 NORTH BAYONT. B.Q. Wireline Superviser: Tom GLEDHILL P.Ekg Recorded 3220 days 21 Sandalwood Place Balance _____ days DON MILLS, ONTARIO M3BILS for future PATRICIA MINING DIV. EGEIVE JUL 1 5 1982 718191101111211121314156 537939 of Report **Certification Verifying Report of Work** I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having purformed the work or witnessed same during and/or after its completion and the annexed report is true. Name and Postal Address of Person Certifying 21 SOUNAL Wood PLACE GLED HILL nu Certified by Esignaturab MILLS, DNOTTRELO MOBILS The Se Table of Information/Attachments Required by the Mining Recorder Type of Work Specific information per type Other Information (Common to 2 or more types) Attachments Manual Work NII Shaft Sinking, Drifting or Names and addresses of men who performed Work Sketch: these manual work/opcrated equipment, together other Lateral Work are required to show with dates and hours of employment. the location and Compressed air, other power Type of equipment extent of work in driven or mechanical equip. relation to the nearest claim post. Type of equipment and amount expended, Note: Proof of actual cost must be submitted **Power Stripping** Names and addresses of owner or operator within 30 days of recording. together with dates when drilling/stripping

• •

•

単なたので

「「「「「「」」」。

Report of Work # 82-73 Valara Lake M-2052

F			, re		101K					
			Vala	∦ oz-: ra Lake	/3 M-2052	>				
			Valu	LU DUNC		6				
Name ar	nd postal	address o	f record	ed holde	er: Se	agull	Resour	rces Ltd.		
Prognoc	tore lie	ence Not	<b>TO 27</b>		C/ 21	O TON Sand	n Glean: Jalwood	Place		
FIOSPEC		ence no:	1921		Dc	on Mil	lls. On!	tario		
					MB	BB 1L5	5			
5. 5. 7. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	Summ	ary of wor	k Perfor	mance ar	nd Dist	ribut	ion of	Credits		
Total w	ork davs	Cr. claim	ed: 323	1						
811	-	mad an Ille	ing Clai			162				
ALL WOI	k perior	med on Min	ing clai		K ZZI	102				
Mining	<u>Claim</u>	Work	Mining	Claim	WOI	ck .	Mining	g Claim	Work	
Prefix	Number	Days Cr.	Prefix	Number	Days	<u>cr</u> .	Pretix	Number	Days Ci	<u> </u>
PA	537939	115	РА	537947	יוו	5	ра	537955	115	
	537940	115		537948	115	5		537956	115	
	537941	115		537949	115	5		537957	115	
:	537942	115		537950	119	5		537958	115	
	537943	115		537951	119	5		53796	115	
an Alexandra Alexandra	537944	115		537952	115	5		537970	115	
	537945	115		537953	115	5		537971	115	
	537946	115		537954	115	5		537972	115	
								537977	115	
								537978	115	
eta jar Bela		•						537979	115	
								537980	115	
Drillin	ig: Long	year Canad	a Inc.							
	Box	330								
	Nort	h Bay, Ont	ario		B.Q. W	Vireli	lne			
Supervi	cor, ^m o	m Glodbill	P Fng							
Supervi	25011 10	M Giedniii Candalwoo	d Place	•						
	21	- Sanuarwood	u Flace							
	<u>и</u> о Мо	n Milis, O			* Dowfo		2221	dava		
	MS				Pogor	dod.	3231	days		
					Balar	ice	11	days for	future	1169
									100010	
					PA 53	\$7939				
Date of	Report:	June 30,	1982							
Recorde	d holder	or agent:	Tom Glo	edhill						
	3		<b>c</b>			111 a sea - C				
Name an	a postal	address O	r person	certify	ing:		pieanii)			
						21 00 Don 1	uluarwoo Hille /	nterio		
						ר מגא	1115, ( 1.5	mear 10		
東京 2015						1150 1	<b></b>			
\$. *										

Valora Lake M-2052 Geology 526/14 SE (95) Ministryor Instructions - Supply required data on a separate form for each Report Natural type of work to be recorded (see table below). # 82-7.4 of Work For Geo-technical work use form on, 1362 "Report Resources of Work (Geological, Geophysical, Geochemical and Dotario The Mining Act Expenditures)" Name and Postal Address of Recorded Holder SEAGULL RESOUR ES LTD Prospector's Licence No. P 927 "Tom GLEDHILL, 21 Sondalwood R. Dow MILLS, ONT Summary of Work Performance and Distribution of Credits Total Work Days ? , claimed Minin/: Claim Mining Claim Mining Claim Work Work Days Cr. Work Prefix Days Cr Days Cr. Number Pretix Number 4000 Profix Number Pa 53799 537460 115 ibs 5 37983 for Performance of the following //S 115 work, (Check one only) 537992 537993 537994 115 537984 115 537959 115 Manual Work 115_ 115 //F-557973 537985 115 37995 Shaft Sinking Drifting or other Lateral Work. 537974 ハビ 537986 115 37996 11 S Compressed Air, other Power driven or 537975 115' 537987 115 537997 115 mechanical equip. 37. Power Stripping 115 537998 115 537976 537988 115 Diamond or other Core 1 537981 115 537999 115 537989 115 drilling Land Survey 537982 115 538000 115 537990 All the work was performed on Mining Claim(s): Pa 227063 Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below) Drilling: Long year Lanada INC. Box 330 North Bay ONT. B.Q. Wireline Supervisor: TOM GLEDHILL F.Eng. Performed 4000 days 21 Soudo/wood Place Recorded 2990 DAN MILLS DUTADIA Balance 1010 days DON MILLS, ONTARIOMBBILS for future PATRICIA MINING DIV use EGEIVEN JUL 1 5 1982 718191011112111231 a. 537939 **Certification Verifying Report of Work** I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the ennexed report is true. Tom GEDHILL 21 Sandalwood Place Name and Postal Andress of Person Certifying Days fartitions Corritionation DON MILLS, ONT. M38125 Table of Information/Attachments Required by the Mining Recorder Type of Work Specific information per type Other information (Common to 2 or more types) Attachments Manual Work Nil Shaft Sinking, Drifting or Names and addresses of men who performed Work Sketch: these other Lateral Work manual work/operated equipment, together are required to show with dates and hours of employment. the location and Compressed air, other power Type of equipment extent of work in driven or mechanical equip. rolation to the arest claim post. Type of equipment and amount expended. **Power Stripping** Note: Proof of actual cost must be submitted Natines and addresses of owner or operator within 30 days of recording. together with dates when drilling/stripping

#### Report of Work

#### Valora Lake M-2052 # 82-74

Name and address of Recorded Holder:	Seagull Resources Ltd.
Prospectors Licence Not P 927	c/o Tom Gledhill
riospectors bicence no. <u>1927</u>	21 Sandalwood Place
	Don Mills, Ontario

Total work days claimed: 4000

For performance of following work: Diamond or other Core drilling

All work was performed on Mining Claim(s): PA227063

Summary of Work Performance and Distribution of Credits

Mining	Claim	Work	Mining	Claim	Work	Mining	Claim	Work
Prefix	Number	Days Cr.	Prefix	Number	Days Cr.	Prefix	Number	Days Cr.
PA	537960	115	PA	537983	115	PA	537991	115
	537959	115		537984	115		537992	115
	537973	115		537985	115		537993	115
	537974	115		537986	115		537994	115
	537975	115		537987	115		537995	115
	537976	115		537988	115		537996	115
	537981	115 .		537989	115		537997	115
	537982	115		537990	115		537998	115
							537999	115
							538000	115

### Required Information:

Drilling:	Longyear Canada Inc. Box 330						
	North Bay, Ontario	B.Q. Wireline					
Supervisor	: Tom Gledhill, P. Eng.	*Performed 4000 days					

21 Sandalwood Place Recorded 2990 days Don Mills, Ontario Balance 1010 days for future use M3B 1L5 *PA537939

Date of Report: June 30, 1982 Recorded Holder or Agent: Tom Gledhill