

DIAMOND DRILLING



010

TOWNSHIP: DOME

REPORT No.: 40

WORK PERFORMED BY: GOLD FIELDS MINING CORP.

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
KRL 526283	1	481.0	Feb./81	(1)
	2	500.0	Feb./81	(1)
	3	365.4	Feb./81	(1)
KRL 526005	4	380.0	March/81	(1)
KRL 526008	5	396.1	March/81	(1)
KRL 526007	6	403.3	March/81	(1)
KRL 526006	7	895.6	March/81	(1)
KRL 526284	8	656.0	March/81	(1)
		4077.4		

NOTES: (1) #54-82

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Opt.)

SHEET 1 of 11.

HOLE NO. GFSB 1.

TWP. <u>Dome</u>	BEARING <u>150 degrees (Ast.)</u>	TRUE DIP <u>at SURFACE -45°</u>	* DATE STARTED <u>Feb. 10/81</u>
RANGE <u>LOT</u>	VERT. DEPTH	At <u>250' Lost</u>	* DATE FINISHED <u>Feb. 18/81</u>
* CLAIM NO. <u>526283</u>	LENGTH <u>481'</u> CORE SIZE <u>BQ</u>	At <u>420'; 40° (T.C.)</u>	DRILLED BY <u>Kenora Diamond Drilling</u>
* COORDINATES <u>L42E, 11 + 00 N.</u> <small>(north shore Skookum Bay)</small>	NO. of SAMPLES <u>71</u> LGTH.	At	LOGGED BY <u>D.B. Wright</u>
ELEVATION		At	

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag	
							oz/T	ppb	ppm	
0.00	10.0	CASING (as cited by driller)								
10.0	18.0	GRANODIORITE: Mottled pink-black medium grained, massive, 35% dark minerals; 2-3% magnetite throughout; (normal variety), short sections occur with low or highly sericitized pink feldspar content which imparts a medium gray colour; sectional contacts are gradational over several inches and altered sections are of variable intensity; there is no preferred fracture orientation; generally very little natural fracturing.	E22001 E22002							
18.0	23.5	GRANODIORITE (ALTERED): Gray-green, primary texture overprinted, 15.0: stringer of dark green chlorite (1/4") cutting c.a. at 260; several others throughout gran. intersecting at 20 to 30° to c.a. 19.8 strong fracture on leading edge of f.gr. basic dike, both of which cut the c.a. at 210; predominantly mica composition; rare isolated grains of pyrite in some threadlike quartz stringers.								
23.5	29.6	GRANODIORITE: Generally pinkish, fresh appearance.								

D.S.U.



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# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Opt.)

SHEET 4 of 11.

HOLE NO. GFSB 1.

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag			
							oz/T	ppb	ppm			
		QUARTZ - SERICITE SCHIST (Cont'd).										
		numerous, tightly folded silica stringers cut c.a. at 73°;	E22020									
		leading contact at 71° to c.a.; trailing contact has been ground off										
		during drilling and is unmeasurable;	E22021									
		composition; sericitized feldspar predominates; 5% ferromagnesians										
		which have been re-crystallized or flattened to platy grains defining										
		in part the foliation described above.										
114.4	121.1	GRANODIORITE - normal - (as above)										
121.1	129.7	AMPROPHYRE (?) dike										
		leading contact is tight but irregular against granite at approx.										
		90° to the c.a.; trailing contact is regular at 50° to the c.a.; unit										
		is fine grained and is a uniform medium gray colour over its length;										
		no preferred orientations such as foliations or lineations observed;										
		excellent coring properties; petrography: "salt and pepper" texture consist-										
		ing of randomly oriented acicular (needle-like) crystals of black hornblende										
		(?) up to 3 mm (25%) cutting gray-green feldspar (80%); 1% magnetite;										
		trace pyrite; no free quartz observed.										
129.7	131.0	GRANODIORITE:										
		Fresh as above though locally 40% ferromagnesians;										

O.S.W.









# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Opt.)

SHEET 8 of 11.

HOLE NO. GFSB 1.

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag	
							oz/T	ppb	ppm	ppm
213.1 -		GRANODIORITE:								
278.3		Fresh, normal to 238.5'; deficiency of pink feldspar results in a darkening beyond that point;	E22035							
248.4 -		PYRITE MINERALIZATION:								
248.6		Several isolated blebs of coarse brassy anhedral pyrite with lesser fine-grained disseminated pg. interspersed; (1% total pyrite within the zone)	E22036							
278.3 -		GRANODIORITE:								
279.0		highly altered to dark green, f. gr. chlorite - hornblende material close to slip planes at 278.5 ft. which cuts c.a. at 41°								
279.0 -		GRANODIORITE:								
288.1		normal pinkish, fresh variety though cut by numerous narrow (less than 2") dark gray to black chlorite-hornblende bands generally oriented at between 30° and 75° to c.a.; bands are characterized by slip planes along central axes along which the core separates during drilling								
288.1 -		GRANODIORITE (altered) :	E22037							
312.0		strongly altered gray granodiorite identical to intersection at 41.7'-50.5'	E33038							
		ft.; though margins are gradational over 2 to 3 inches, primary texture obliterated up to 4" from granodiorite; predominantly gray sericite with pronounced silicification and free SiO <sub>2</sub> at core; trace f. gr. pyrite in thread-like quartz stringers;	E22039							
			E22040							
			E22041							
			E22042							
			E22043							

*D. G. W.*



# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Opt.) SHEET 10 of 11

HOLE NO. GFSB 1

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag				
							oz/T	ppb	ppm				
440.7	-	GRANODIORITE (Normal)											
456.0		Fresh pink, as above	E22057										
456.0	-	GRANODIORITE:											
457.0		Highly altered gray material; intense sericitization with silicification and abrupt (not sharp) contacts against the adjacent fresh granodiorite; chloritized ferromagnesians; numerous slip planes;	E22058 E22059										
457.0	-	GRANODIORITE:											
459.0		Fresh pink as above	E22060										
459.0	-	GRANODIORITE:											
460.9		Highly altered gray material; slip plans at 600 to c. a.	E22061										
460.9	-	GRANODIORITE:											
472.6		Fresh, pink as above;	E22062										
472.6	-	GRANODIORITE:											
473.2		Highly altered gray material; minor thread-like quartz stringers	E22063 E22064										
473.2	-	GRANODIORITE:	E22065										
481.0		Fresh, normal rock with occasional gray sericita-silica bands	E22066										
481.0		END OF HOLE:	E22067										
		(10.00' of casing left in hole)	E22068 E22069										

D.S.W.



# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option) SHEET 1 of 10

HOLE NO. G.F.S.B. - 2

TWP. <u>Dome</u>	BEARING <u>150° (Ast)</u>	TRUE DIP <u>at SURFACE</u> <u>-45°</u>	DATE STARTED <u>Feb. 19/81</u>
RANGE <u>LOT</u>	VERT. DEPTH	At <u>255'</u> <u>42°</u> At	DATE FINISHED <u>Feb. 24/81</u>
CLAIM NO. <u>526283</u>	LENGTH <u>500'</u> CORE SIZE <u>BQ</u>	At <u>500'</u> <u>41.5°</u> At	DRILLED BY <u>Kenora Diamond Drill</u>
COORDINATES <u>L46E, 11+30N</u>	NO. of SAMPLES <u>84</u> LGTH.	At At	LOGGED BY <u>D. B. Wright</u>
ELEVATION		At At	

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag	
							oz/T	ppb	ppm	
0.00	12.0	CASING (reported by driller ) Note: core barrel was lost and recovered at 16.0 ft(bit depth) by reaming with NQ size equipment. Bedrock reported at 0.9 ft. depth.								
12.0	131.5	GRANODIORITE initially medium to dark gray in overall colour, medium-grained; 15-20% dark ferro magnesians (hornblende) as small grains less than 1mm; dark gray and beige feldspars 65% up to 3mm; pink to buff feldspar 10% as minute disseminated grains (less than 1mm), magnetite 3%, (more abundant than in G.F.S.B.-1) and trace silvery pyrite; Pronounced sections of dark gray altered felds. which imparts a banded appearance to the rock; single or multiple slip planes (rarely thread like quartz stringers) are developed within these randomly oriented bands; frequently, the primary texture is totally obliterated, presumably by accompanying silicification; zones are irregularly spaced from 3 inches apart to 3 feet; from 1 in. to 1 foot in width. Beyond 100 ft., bands appear to be oriented parallel to axis of drill hole; notable increase in concentration of pink feldspar to change overall colour of rock. Beyond 120 ft., a general consolidation of the bands and patches to culminate in solid, gray highly sericitized, granodiorite prior	E22072 E22073							

RED LAKE  
MINING DIV.  
**RECEIVED**  
JUN 28 1982  
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option) SHEET 2 of 10

HOLE NO. G.F.S.B - 2

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag		
							oz/T	ppb	ppm		
		to mylonite zone.	E22074								
			E22075								
131.5	-	GRANODIORITE (altered)	E22076								
144.5		Nearly continuous gray sericitic, weakly silicified granodiorite	E22077								
		clusters of threadlike quartz stringers located at 134.5 (at 16°	E22078								
		to c.a) 137.5 ft (at 25° to c.a.) and 141.7 ft (at 39° to c.a.)	E22079								
			E22080								
144.5	-	QUARTZ-SERICITE SCHIST (Quartz-feldspar porphyrydike)	E22081								
145.3		fine-grained light gray coloured rock consisting of sericitized	E22082								
		pinkish feldspars, some interstitial quartz grains and blackplatey	E22083								
		micas; metamorphosed appearance; trace cubes of pyrite; leading	E22084								
		content broken but not faulted at 65° to c.a.; trailing content	E22085								
		broken, possibly faulted at 74° to c.a., weakly magnetic.									
145.3	-	GRANODIORITE (?)									
147.4		gray-brown overall colour; fine-medium grained texture; suggested									
		as granodiorite due to high magnetite content; primary texture									
		obliterated by silicification. White mica development and									
		probable secondary albite (phenocrysts to 1.0 mm); randomly									
		oriented thread-like gray quartz stringers locally; quartz pheno-									
		crysts to 2mm. unique to this unit; trailing contact abrupt									
		against mylonite at 81° to c.a.									
147.4	-	MYLONITE AND FAULT ZONE (?)									
152.7		Highly recrystallized and strongly foliated granodiorite, dark									
		reddish brown overall colour except near some slip surfaces									

G.F.S.B.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option) SHEET 3 of 10

HOLE NO. G.F.S.B. -2

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag				
							oz/T	ppb	ppm				
		where the rock is bleached to an ash gray colour; Main slip plane appears to be at 150-2 ft, is chlorite-coated with some mud adhering; cuts c.a. at approximately 64° though this may be on apparent angle.											
		149.0 - 150.2 ft. - Grinding prior to main slip plane to small chips; Mylonite beyond this point(south) is somewhat contorted and not as uniform in colour; bleached slip surfaces are more numerous and show stronger development; thread-like pink carbonate stringers are regularly developed along the foliation planes and cut core axis at 64° also, trailing contact is sharp against the mylonite cutting core at 60°.											
152.7 -		<b>GRANODIORITE</b>											
156.8		Primary texture distinctive though some feldspar is altered; medium to coarse-grained; bright reddish to orange feldspar grains to 3mm, quartz grains (90% combined) with 10% pyroxene and amphibole suggesting a granite phase; More basic beyond 154.0 ft; From 155.0 to 156.8, several strongly sericitized sections of pale gray colour, with minor silicification and rare pyrite grains in quartz stringers.											
156.8 -		<b>LAMPROPHYRE DIKE:</b>											
160.1		Leading contact sharp and unbroken cutting c.a. at 77°; trailing contact sharp, planar and at 86° to c. a.; dike is a uniform dark gray overall colour; poor coring properties, being returned as short blocky lengths of core; same composition as hole 1.											

D.B.v.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option) SHEET 4 of 10

HOLE NO. G.F.S.B. -2

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag				
							oz/T	ppb					
160.1	-	GRANODIORITE (Altered)											
160.8		Silicified particularly over final 6 inches to a bluish black colour devoid of primary texture; most feldspar has been broken down; some secondary white albite knots and remanent dark ferro magnesions; glassy quartz phonocrysts;											
160.8	-	LAMPROPHYRE DIKE:											
162.0		Leading contact broken (faulted ?), undulose at app. 43° to c.a. trailing contact is sharp, planar, tight at 53° to c.a.; dike is identical to that at 156.8 - 160.6 in appearance and character.											
162.0	-	GRANODIORITE (normal)											
162.5		pinkish overall colour, medium grained; no transecting stringers of lamprophyre.											
162.5	-	LAMPROPHYRE DIKE:											
166.5		Leading contact is sharp, planar and tight at 84° to c.a.; trailing contact is ground off and unmeasurable; uniform gray colour throughout; considerably high content (50% vs 35%) of beige coloured feldspar which tends to lighten the rock colour proportionately.											
166.5	-	GRANODIORITE: normal											
170.0		Pinkish colour generally though an increasing degree of serialization toward the trailing contact tends to impart a gray tint; bleaching to a yellow-green tint is found near the leading contact.											

D.S.V.



# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option)

SHEET 5 of 10

HOLE NO. G.F.S.B. -2

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag			
							oz/T	ppb				
170.0 -		LAMPROPHYRE DIKE:										
171.0		The leading contact is sharp, planar and broken at 84° trailing contact is sharp, planar and broken at 78° to c.a.; petrographically similar to 162.5 - 166.5 ft.										
171.0 -		GRANODIORITE (normal)										
171.5		No lamprophyre stringers.										
171.5 -		LAMPROPHYRE DIKE:										
172.9		Leading contact is sharp, planar and broken at 84° to c.a.; composition is more basic as reflected by a dark green colour.										
172.9 -		GRANODIORITE (normal)										
177.7		Pink colour overall; several 2inch thick sericitized zones										
177.7 -		LAMPROPHYRE DIKE:										
179.3		Leading contact is sharp, planar and unbroken at 65° to c.a.; trailing contact is sharp, planar and unbroken at 73° to c.a.; dark color.										
179.3 -		GRANODIORITE (normal)										
180.0		Pinkish colour overall.										
180.0 -		LAMPROPHYRE DIKE:										
180.9		Leading contact is sharp, planar and unbroken at 80° to c.a.; trailing contact is sharp; irregular and unbroken at 75° to c.a. blocky; slightly paler colour than preceding dike and similar to										

G.F.S.B.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option) SHEET 6 of 10

HOLE NO. G.F.S.B. -2

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag				
							oz/T	ppb	ppm				
		162.5 - 166.5;											
180.9 -		GRANODIORITE (Normal)											
185.7		Pinkish overall colour											
185.7		LAMPROPHYRE DIKE:											
188.5		Leading contact is sharp, planar and unbroken at 87° to c.a.; trailing contact is sharp, planar and unbroken at 90° to c.a.											
188.0-188.6		GRANODIORITE (Normal)											
188.6 -		LAMPROPHYRE DIKE (stringer)											
188.6		Less than 1 inch thick at 90 ° to c.a.											
188.6 -		GRANODIORITE (normal)											
190.3		With occasional sericitic bands randomly oriented.											
190.3 -		LAMPROPHYRE DIKE:											
192.5		Leading contact is sharp, planar and unbroken at 75° to c.a. trailing contact is sharp, undulose and unbroken at 80° to c.a. (approx.)											
192.5 -		GRANODIORITE (normal)											
194.0		Strongly sericitized and silicified from 193.1 - 193.7; one thread-like barren quartz stringer.											

*D.G.W.*

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option) SHEET 7 of 10

HOLE NO. G.F.S.B. -2

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag			
							oz/T	ppb	ppm			
194.0	-	LAMPROPHYRE DIKE: (stringer)										
194.1		1 inch thick at 85° to c.a., trailing contact broken.										
194.1	-	GRANODIORITE (normal)										
227.0		Pinkish fresh appearance generally to 227.0', though sericitization occurs over short lengths with varying degrees of intensity.	E22086									
			E22087									
			E22088									
227.0	-	GRANODIORITE (altered)	E22089									
249.0		Gradual depletion of fresh pink feldspar grains due to alteration processes; rock is dark purple to black through to trailing contact	E22090									
		with only short zones of less altered rock; silicification is not	E22091									
		sufficient to produce more than one or two quartz stringers;	E22092									
			E22093									
232.5	-	QUARTZ BLOB	E22094									
238.7		Large partially rounded fragment of milky white vein quartz entirely enclosed within altered granodiorite; possibly a swelling in a quartz stringer; no measurable contacts; quartz is translucent and poorly fractured; fractures filled by later silica; no metallic mineralization.	E22095									
			E22096									
			E22097									
			E22098									
			E22099									
			E22100									
249.0	-	METAGABBRO DIKE:	E22101									
253.0		Leading contact is sharp, planar, and unbroken at 75° to c.a.	E22102									
		trailing contact is sharp, planar and broken at 78° to c.a.; dark greenish gray colour overall; altered and leached progressively	E22103									
		from leading contact to a friable rock at 251.0 ft., from which	E22104									
		point a return to a less altered rock is made. Within the entire	E22105									
			E22106									

D.B.W.





# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option)

SHEET 10 of 10

HOLE NO. G.F.S.B. - 2

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag	
							oz/T	ppb		ppm
463.3	-	LAMPROPHRE DIKE:	E22150							
466.6		Pale gray rock with sharp, planar unbroken contacts at 86° to core axis; no post-lamprophyre fracturing.	E22151							
			E22152							
			E22153							
466.6	-	GRANODIORITE (normal)	E22154							
485.6		Overall pinkish colour, short sections of alteration.	E22155							
485.6	-	GRANODIORITE (moderately altered)								
500.0		Very little silicification to end of hole.								
500.0'		END OF HOLE (12.0 ft. B.W. casing left in hole)								

*J. B. ...  
June 23/22*

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option SHEET 1 of 12

HOLE NO. GF-SB #3 <sup>SB</sup>

TWP. Dome	BEARING 150° (Ast.)	TRUE DIP at SURFACE -45°	DATE STARTED Feb. 25/81
RANGE LOT	VERT. DEPTH 365.4	At	DATE FINISHED Feb. 28/81
CLAIM NO. 526283	LENGTH CORE SIZE BQ	At	DRILLED BY Kenora Diamond Drill
COORDINATES 44E, 10 + 85N	NO. of SAMPLES 105 LGTH.	At	LOGGED BY R. Morgan
ELEVATION		At	

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag	
							oz/T	ppb	ppm	
0.0	-	CORING (as reported by driller):	E22156							
15.0										
14.0	-	GRANODIORITE:	E22157							
30.7		Weak seriate and quartz alteration, gray to brown color, quartz milky feldspar, can be distinguished but separate crystals are difficult to identify. Little magnetite, particularly at the start of unit. Thread like stringers of chorite oriented at 45°; gradational contact at base.	E22158							
		Red brown color probably caused by the break down of magnetite into hematite;	E22159							
			E22160							
			E22161							
30.7	-	GRANODIORITE: (Altered)	E22162							
71.3		Gray, serictized and silicified, carbonate appears restricted to fine white veinlets. Original texture destroyed. The leading contact is gradational.	E22163							
		Thread like stringers of quartz and quartz chorite at random orientations.	E22164							
			E22165							
		Magnetite and very rare pyrite grains:	E22166							
			E22167							
			E22168							

RED LAKE  
MINING DIV.  
**RECEIVED**  
JUN 28 1982  
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

D.S.B.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option

SHEET 2 of 12

HOLE NO. GF-SK #3

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag		
							oz/T	ppb	ppm		
			E22169								
			E22170								
		49 ' to 52' less altered zone with gradational contacts; pink feldspars and some original texture preserved, poor reaction to H.C.P.	E22171								
			E22172								
			E22173								
		53.3 - 57.5 thread like quartz stringers show a preferred core	E22174								
		intersection angle of approx. 50°	E22175								
		Black chlorite, white carbonate and gray quartz filled up to 1/4" thick;	E22176								
		occasional fine cubes of pyrite within the quartz	E22177								
			E22178								
71.3 -	78.9	Grinding - 70% core recovery, small chips a preferred fracturing direction is the core at a low angle to the c.a. (~10.20°). No evidence of fault planes; bleached appearance of rock suggests possible shear zone.									
71.3 -	80.8	GRANODIORITE (Altered): White, bleached appearance to rock; quartz, feldspars, chlorite with some ankerite. Breakdown of mafic to chlorite, recrystallization into stringer fractures									
80.8 -	85.9	GRANODIORITE (Altered): highly carbonated, recrystallized; pinkish alteration superimposed on gray altered granodiorite, possibly secondary feldspar. Mafics broken down into chlorite, which is confined to thread like network of stringers and dark brown mica flakes (biotite?)	E22179 E22180								

D.S.V.





# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option SHEET 4 of 12

HOLE NO. GF-SK #3

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag	
							oz/T	ppb	ppm	
93.8 -		LAMPROPHYRE DIKE:								
95.2		green, fine grained, chorite rich with carbonate stringers up to 1 mm thick, 60° to 65°; irregular leading contact, sharp undulose tr contact at 80°; identical to 85.1 - 89.5	E2259							
95.2 -		GRANODIORITE (altered):								
98.5		Carbonatized, silicified and sericitized; gray to pink, brownish gray over all colour in part recrystallized; quartz, some pink feldspars, chorite and traces of fine disseminated pyrite; rare carbonate and or chorite stringers generally weak reaction to HCP except on rare Coz stringers- Similar 30.7-71.3 rather than preceeding intersections								
98.5 -		LAMPROPHYRE DIKE:								
100.7		Green medium grained, chorite rich, sharp irregular contacts L. contact at 72°, good reaction to HCl.	E22260							
100.7 -		GRANODIORITE (altered):								
104.3		Pink, appears normal except for small zones which have been carbonatized; quartz, pink feldspars, chorite, carbonate and possibly epidote in altered zones. Trace diss. pyrite; joints are very reactive to HCl, relatively little magnetite	E22183							
104.3 -		LAMPROPHYRE DIKE:								
105.9		Green, medium grain see L.C. @ 65° T.c @ 72° see (98.5 to 100.7)	E22261							
105.9 -		GRANODIORITE (altered)								
106.5		Pink; see (100.7 to 104.3)	E22184							

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option

SHEET 5 of 12

HOLE NO. GF-SK #3

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag	
							oz/T	ppb	ppm	
106.5 -		LAMPROPHYRE DIKE:								
106.8		1 C @ 88° to c.a.; sharp, broken; T.C. @ 68°, sharp, broken see (98.5 to 100.7)	E22262							
106.8 -		GRANODIORITE (altered) pink, see (100.7 to 104.3)	E22185							
107.3										
107.3 -		LAMPROPHYRE DIKE:								
110.5		L.C. @ 90° tight sharp; T.C. @ 77°, tight, sharp								
110.5 -		GRANODIORITE (altered) :								
112.1		pink, see (100.7 to 104.3) traces of pyrite								
112.1 -		LAMPROPHYRE DIKE:								
113.0		L.C. sharp, broken, possibly 68° to c.a., T.C. contact sharp, broken (ground off) possibly 75° to c.a.; has a needle like texture of ferromagnesian mineral	E22263							
113.0 -		GRANODIORITE (altered)								
113.2		Pink, see (100.7 to 104.3) traces of pyrite poor reaction to HCl.								
113.2 -		LAMPROPHYRE DIKE:								
114.6		L.C. 75° sharp, broken; T.C. 75°, sharp broken, has a needle like texture; like (98.5 to 100.7)								

D. S. V.



# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option

SHEET 7 of 12

HOLE NO. GF-SK #3.

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag				
							oz/T	ppb	ppm				
125.5 -	125.7	GRANODIORITE, altered											
125.7 -	134.6	LAMPROPHYRE DIKE: L.c at 53° to c.a., broken sharp Tr. c. ground up but possibly 50° also, like 124.7 to 125.5); good reaction to HCl, no magnetite;	E22191 E22192 E22193 E22194										
134.6 -	175.3	GRANODIORITE (Normal) like 114.6 to 120.0 but without light carbonatization with 20% scattered sericite and quartz alteration zones, becoming less common toward the end. The rest is fresh and normal, fine carbonate stringers at about 45° c.a.	E22195 E22196 E22197 E22198 E22199										
175.3 -	179.9	METAGABBRO - Dark green to black, strongly gneissose with foliation oriented 58° to 65° c.a. Very thin lenses of quartz feldspars between stringers of chlorite and mica and magnetite; carbonate present for 3 inches to nearest contact indicated by strong HCl reaction; L.C. and T.C. are tight, sharp at 85° - 90° to c.a.	E22200 E22201 E22202 E22204 E22205 E22267 E22206										
176.5 -	177.1	GRINDING Broken rock chips, no fines but there is about 3" missing to core length wholly within the dyke											
179.9 -	186.5	GRANODIORITE (Normal) Pink; pink feldspars (abit reddish) quartz, white feldspars, magnetite (about 5%) coarser grained (1 to 3 mm long axis);											

G. S. V.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option SHEET 8 of 12

HOLE NO. GE-SK #3

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag				
							oz/T	ppb	ppm				
		GRANODIORITE (Normal)											
		No reaction to HCl. altered to a blackish cryptocrystalline rock along joints or fractures; rare green clots (epidote?)	E22268										
186.5	188.5	GRANODIORITE (Altered): Black sericite and quartz or possibly chlorite biotite enrichment; absence of pink feldspars; Intersection with core axis at low angle (15°); rare pyrite cubes; original texture almost destroyed; contacts abrupt and irregular; reaction to HCl; contains magnetite;	E22207 E22269										
188.5	202.5	GRANDIORITE (Normal): Pink, white quartz, pink feldspars, white feldspars, magnetite and traces of very fine pyrite; good original texture; altered to a gray black sericite quartz; rich rock along fractures and veinlets; rare carbonate veinlets at 25° to 32°, also has some sericite quartz alteration bands at 196' and 199'; both are reactive to HCl; otherwise there is no reaction to HCl. Red alteration for 2" at 193.5; grinding at 198.3	E22208										
202.5	203.2	GRANODIORITE Sericite and quartz alteration, original texture destroyed except quartz grains and some of the feldspars; magnetite, good reaction to HCl; contacts abrupt; minor carbonate veinlets at 25° and carbonate and chlorite also 25°; pyrite clot at 202.5;											

(12.5.0)

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option

SHEET 9 of 12

HOLE NO. .GF-SK #3

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag	
							oz/T	ppb	ppm	
203.3	-	GRANODIORITE (Normal)								
204.4		See 188.5 - 202.5								
204.4	-	GRANODIORITE:								
206.0		Sericite and quartz alteration as original texture; abrupt contacts at low angle about 15° to 25°; Carbonate veinlets at 40° and 25°								
		Traces of pyrite; good reaction to HCl and magnetite.								
206.0	-	GRANODIORITE: (Normal)	E22209							
216.		White quartz, feldspars, magnetite, chlorite; no reaction to HCl; a few	E22216							
		bands of gray sericite quartz alteration, associated with carbonate	E22210							
		veins which intersect the c.c. at a low angle (9° to 4°);								
216	-	GRANODIORITE:								
228.5		Sericite and quartz alteration; original texture almost destroyed ;	E22211							
		quartz abundant, magnetite not as abundant as in fresh granodiorite;	E22212							
		Reaction to HCl from carbonate stringers, fine veinlet of carbonate	E22213							
		at about 42°, 30°, and 10°, almost no pyrite ;	E22214							
228.5	-	GRANODIORITE: (Normal):								
274.8		White quartz, white feldspars, magnetite, rare pink feldspar, chlorite,	E22223							
		good original texture. Sericite and quartz alteration bands associated	E22215							
		with minor carbonate veinlets from 1/8" to 2". At 253.4 a 2" band								
		of alteration has 1% to 20% fine diss. pyrite. Angle to c.a. of								
		veinlet is variable from 25° to 45°; most are at about 30°.								

D.S.W.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option

SHEET 10 of 12

HOLE NO. GF-SK #3

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au oz/T	ppb	Ag ppm		
		GRANODIORITE: (Normal)									
		At 274.4 veinlet at 60° intersects one at 130° both are carbonate veinlets	E22217								
		with very small alteration associated with them. Small mafic clots are	E22218								
		present and a 2" inclusion at 237' , no reaction to HCl except in	E22219								
		altered bands where the reaction to HCl is good.	E22220								
			E22221								
274.8	-	GRANODIORITE: (Altered)	E22222								
279.7		Sericite and quartz alteration; original texture destroyed except for									
		6' at 275.6, contacts are gradational. Has a good reaction to HCl and	E22225								
		contains magnetite. Minor carbonate veinlets at 35° to c.a.;	E22224								
			E22226								
			E22227								
279.7	-	GRANODIORITE: (Normal):									
291.8		See 228.5 to 274.8									
291.8	-	GRANODIORITE: (altered)									
306.7		Sericite and quartz alteration; original texture destroyed; contacts	E22228								
		are gradational, has a good reaction to HCl and does not contain									
		magnetite; carbonate veinlets are common; broken, ground at 303. and	E22230								
		303.5 white quartz vein at 301', carbonate veinlet intersects core at	E22231								
		low angle 14° to 37°; very fine trace diss. pyrite.	E22232								
			E22233								

(i.s.o.)



# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option

SHEET 11 of 12

HOLE NO. GF-SK #3

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au	Ag
306.7	-	GRANODIORITE:						
322.0		Sericite and quartz alteration, black and pink appearance, pink feldspars present; reaction to HCl, no magnetite						
322.0	-	QUARTZ VEIN:						
322.5		½" thick cutting c.a. at 18°. Translucent gray quartz is poorly fractured, Trace pyrite to barron. Minor black tourmaline; no perceivable wall rock alteration						
322.5	-	GRANODIORITE:						
329.5		See 306.7 to 322.0						
329.5	-	QUARTZ VEIN:						
330.0		½" thick, cutting c.a. at 25°, identical 322.0						
330.0	-	GRANODIORITE:						
332.0		See 306.7 to 322.0						
332.0	-	GRANODIORITE: (altered)						
347.8		Carbonatized, green crystalline rock; weak reaction to HCl; no magnetite; carbonate veinlet is white, 1/8 inch thick, parallel to c.a., no metallic mineralization.						
		334.5 - 336.0 Quartz carbonate stringer, ¼ - ½" thick cutting c.a. at 5°; barren appearance; white vein filling is poorly fractured	E22234					
			E22235					
			E22236					
		D.G.V.						

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option SHEET 12 of 12

HOLE NO. GF-SK #3

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag			
							oz/T	ppb	ppm			
			E22237									
347.8	-	GRANODIORITE: (Normal)	E22238									
365.4		Pink; pink feldspars, quartz, white feldspars, magnetite, chlorite,	E22239									
		mostly in clots; appears very fresh and almost without alteration	E22240									
		bands, normally so common;	E22241									
			E22242									
365.4'		End of hole. (15 Ft of casing left in hole)	E22243									
			E22244									
			E22245									
			E22246									
			E22247									
			E22248									
			E22249									
			E22250									

*D. A. Wright*  
*per K. Thompson*  
True 2/3/50

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay Peterson Option

SHEET 1 of 4

HOLE NO. GF-SB-4

TWP. <u>DOMÉ</u>	BEARING <u>350° (ast)</u>	TRUE DIP <u>at SURFACE</u> <u>-45°</u>	DATE STARTED <u>Mar. 2, 1981</u>
RANGE	LOT	VERT. DEPTH	DATE FINISHED <u>Mar. 5, 1981</u>
CLAIM NO. <u>526005</u>	LENGTH <u>380</u>	CORE SIZE <u>BQ</u>	DRILLED BY <u>Kenora Diamond Drilling</u>
COORDINATES <u>38+145E, 1+65N</u>	NO. of SAMPLES	LGTH.	LOGGED BY <u>R. Morgan</u>
ELEVATION			

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag	
							oz/T	ppb	ppm	
0	13'	CASING	22251							
7.0 -		GRANODIORITE (normal) brown, feldspars quartz porphyritic texture.	22252							
20.0		Some sericitized feldspars magnetite and chlorite; contacts gradational	22253							
			22254							
20.0 -		GRANODIORITE (highly altered) gray-green abrupt contacts sericite and	22255							
23.7		quartz alteration, blocky core. Many small quartz and chlorite veinlets.								
		open spaces. No mineralization; quartz stringers at 25° (rare).	<u>22255</u>							
23.7 -		GRANODIORITE (normal) porphyritic like (7.0 -20.0); small black								
38.8		alteration bands about 1/2" and centered on small fractures and veinlets;								
		Alteration is sericite and quartz and about 45° to c.a. but variable;								
		no magnetite in altered bands.								
38.1 -		GRANODIORITE (normal) gray; (like (7.0 - 20.0) but feldspars are whiter	22256							
60.1		some fine alteration bands; About 1% of rock altered; porphyritic								
60.1 -		GRANODIORITE (normal) brown like (7.0 - 20) porphyritic contacts are	22257							
63.8		gradational over several feet; Alteration bands have about 1% fine	22270							

RED LAKE  
MINING DIV.  
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JUN 28 1982  
A.M. P.M.  
7 8 9 10 11 12 1 2 3 4 5 6

D.S.V.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay Peterson Option

SHEET 2 of 4

HOLE NO. GF-SR-4

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag		
							oz/T	ppb	ppm		
		carbonate stringers which react to Hcl; otherwise no reaction to Hcl.									
63.8 -		GRANODIORITE (normal) gray; prophyritic feldspars, quartz some	22427								
97.6		sericitized feldspars, magnetite and chlorite. Small black alterations	22428								
		bands about 1/2" and centered on small fractures and veinlets. Alteration									
		is sericite and quartz and @45° to c.a. but variable; possible quartz	22271								
		eyes; traces of pyrite in sample 22270.	22272								
			22273								
97.6 -		GRANODIORITE (normal) brown porphyritic; trace of pyrite, about 2%	22274								
119.0		alteration bands; see (63.8 - 97.6); chlorite, pyrite, carbonate stringers	22275								
		// to C.A. (100.2 - 105.7.).	22276								
119.0 -		GRANODIORITE (normal) gray porphyritic with long axis up to 3/4" 4%	22277								
147.2		alteration bands. Good reaction to magnetite.	22278								
147.2 -		GRANODIORITE (altered) gray most of original textures destroyed. Only	22279								
171.8		larger white feldspars prominent. More altered areas reactive to Hcl.	22280								
		Alteration is sericite and quartz and carbonate; traces of fine pyrite	22281								
		contacts are gradational; Angle of veinlets is variable @ about	22282								
		30° to C.A.	22283								
			22284								
171.8 -		GRANODIORITE (normal) gray feldspars, quartz magnetite and chlorite	22285								
213.7		some sericite. Feldspars are about 4mm - porphyritic texture is	22429								
		much less well developed as in (63.8 - 97.6). Only minor alteration	22286								
		bands of about 4"	22287								
			22430								

D.G.W.



# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay Peterson Option

SHEET 4 of 4

HOLE NO. GF-SB-4

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag			
							oz/T	ppb				
306.5	-	GRANODIORITE Normal brown like (171.8 - 213.7) with brown feldspars	22305									
340.0		and about 5% alteration bands. A few mafic clots.	22306									
			22307									
306.5	-	broke up core 4" mud at 311.6.	22308									
314.0			22432									
			22433									
340.0	-	BASIC DIKE - dark green very strong structural texture, fine flow	22434									
340.3		banding. 3% pyrite; L.C. broken sharp irregular at 74°; T.C. sharp,	22435									
		irregular, tight at 72°.										
340.3	-	GRANODIORITE normal like (306.5 - 340.0)										
361.8												
361.8	-	BASIC DIKE, dark green same as (340. - 340.3), less pyrite about	22309									
362.1		2% granodiorite has 1% pyrite on either side of dike; L. C. tight	22310									
		sharp irregular @70°; T.C. sharp irregular and broken @ 54°.	22311									
			22436									
362.1	-	GRANODIORITE (normal) see 306.5 - 340.0.	22437									
380.			22438									
			22439									
380.		END OF HOLE. (13.0 ft of casing left in hole).	22440									
			22312									
			22313									
			22314									

*D.S. Wright  
for R. Morgan  
June 22/1966*

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option) SHEET 1 of 4

HOLE NO. GF-SB #5

TWP. <u>DOMA</u>	BEARING <u>350° (Ast)</u>	TRUE DIP at SURFACE <u>45°</u>	DATE STARTED <u>March 7, 1981</u>
RANGE <u>          </u> LOT <u>          </u>	VERT. DEPTH <u>          </u>	At <u>          </u> At <u>          </u>	DATE FINISHED <u>March 9, 1981</u>
CLAIM NO. <u>526008</u>	LENGTH <u>396.1</u> CORE SIZE <u>BQ</u>	At <u>          </u> At <u>          </u>	DRILLED BY <u>Kenora Diamond</u>
COORDINATES <u>44+110°E, 0+65°S</u>	NO. of SAMPLES <u>65</u> LGTH. <u>          </u>	At <u>          </u> At <u>          </u>	LOGGED BY <u>Drilling.</u>
ELEVATION <u>          </u>		At <u>          </u> At <u>          </u>	<u>D.B. Wright</u>

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag				
							oz/T	ppb	ppm	ppm			
0.0	10.0	CASING											
8.0	160.3	<p>GRANODIORITE (Normal):</p> <p>Dark gray-green overall colour with pronounced pinkish tint, imparted by 30% pink feldspars which are up to 0.10 in dia. and uniformly distributed through the rock. Medium grain sized texture, hornblende and possibly augite are of similar dimensions. Minor magnetite and quartz; Penocrysts of white feldspar, comprising 1% of the rock (with maximum dimensions of 0.1 ") provide a pseudo-porphyrtyic appearance; carbonate is absent in fresh granodiorite. Occasional short sections, seldom exceeding 1.0 ft. in core length, of black siliceous material, principally f.g. quartz and feldspar intergrowths with some chlorite imparting the dark colour; chlorite-quartz fractures of thread size thickness transect the altered sections; trace quantities of f. gr. pyrite within these zones; Generally the contacts are abrupt against fresh granodiorite though not sharp; most heavily silicified sections are described in the log.</p> <p>34.6 - 37.8 Numerous short sections of f. gr. siliceous alteration comprising 60% of the interval; trace to nil amounts of pyrite; poorly fractured.</p>											
		<u>D.B.W.</u>											
			E22315										

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A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.





# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option)

SHEET 3 of 4

HOLE NO. GFSB #5

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag				
							oz/T	ppb	ppm				
160.5	-	GRANODIORITE:	E22336										
396.1		More basic composition; medium grained; devoid of pink feldspar;	E22337										
		170.8 - 173.2 siliceous alteration of type found at 79.0 - 80.3	E22338										
		175.7 - 178.3 - same as 79.0 - 80.3	E22339										
		179.9 - 180.7 same as 79.0 - 80.3	E22340										
		188.3 - 189.0 same as 79.0 - 80.3	E22341										
		193.9 - 196.5 same as 79.0 - 80.3	E22342										
		207.5 - 210.3 same as 79.0 - 80.3	E22343										
		212.5 - 213.0 same as 79.0 - 80.3	E22344										
		214.5 - 219.0 same as 79.0 - 80.3	E22345										
			E22346										
			E22347										
			E22348										
			E22349										
			E22350										
			E22351										
			E22352										
			E22353										
			E22354										
		266.5 - 276.0 silicification and sericitization alteration; weak	E22355										
		alteration; primary texture is still distinguishable; no free silica	E22356										
		as quartz; no metallic mineralization;	E22357										
		270.0 - 396.1 Granodiorite contains more abundant pink feldspar	E22358										
		which tends to influence the colour of the rock; short intervening											
		segments of weak silicification - sericitization alteration;	E22359										

O.S.W.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option)

SHEET 4 of 4

HOLE NO. GFSB #5.

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag			
							oz/T	ppb	ppm			
		GRANODIORITE:										
		316.5 - 331.8 silicification - sericitization alteration; patchy gray alteration comprising 85% of interval; primary texture obliterated; poorly fractured, poorly mineralized; minor white carbonate filled fractures randomly oriented;	E22360									
			E22361									
			E22362									
			E22363									
			E22364									
			E22365									
		334.5 - 346.0 silicified Granodiorite: short sections of intense silicification consisting of black fine grained quartz and interstitial chlorite; chlorite also coats fracture	E22366									
			E22367									
			E22368									
		353.0 - 356.5 : same as 334.5 - 346.0	E22369									
			E22370									
			E22371									
			E22372									
			E22373									
			E22374									
			E22375									
		370.0 - 381.5: same as 334.5 - 346.0	E22376									
		370.0 - 372.5: carbonate fracture filling within the silicified granodiorite, strong HCl reaction	E22377									
			E22378									
			E22379									
396.1		END OF HOLE (10.0 of casing left in hole).										

*D. S. Wright*  
June 23/81.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option)

SHEET 1 of 6

HOLE NO. GF-SB #6

TWP. <u>DOME</u>	BEARING <u>180° (Ast)</u>	TRUE DIP <u>at SURFACE</u> <u>-45°</u>	DATE STARTED <u>March 13/81</u>
RANGE <u>LOT</u>	VERT. DEPTH	At	DATE FINISHED <u>March 17/81</u>
CLAIM NO. <u>526007</u>	LENGTH <u>403.3</u> CORE SIZE <u>BQ</u>	At	DRILLED BY <u>Kenora Diamond Drill.</u>
COORDINATES <u>12+75°E, 0+80°S</u>	NO. of SAMPLES <u>47</u> LGTH.	At	LOGGED BY <u>D.B. Wright</u>
ELEVATION		At	

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag	
							oz/T	ppb	ppm	
0	17.0'	CASING								
17.0	18.0	GRANODIORITE: (Altered): Intensely silicified, carbonate rich material; black, primary texture obliterated; poorly fractured; rare pyrite grains;	E22380 E22381 E22382							
18.0	19.7	GRANODIORITE: (Normal): Pinkish overall colour, fresh pink feldspar predominates over gray; 10% ferromagnesians and minor magnetite;								
19.7	29.0	GRANODIORITE (altered): Moderate to strongly silicified granodiorite; relict primary feldspars distinguishable as gray crystals in dark green quartz chlorite ground-mass; moderately strong reaction to HCl								
29.0	63.5	GRANODIORITE (Normal): Pinkish overall colour; same as 18.0 - 19.7 ft.								
63.5	65.2	GRANODIORITE (altered): Moderate to strongly silicified granodiorite as per 19.7 - 29.0	E22383							

*D.B.W.*

RED LAKE  
MINING DIV.  
**RECEIVED**  
JUN 28 1982  
A.M.  
7:8:9:10:11:12:1:2

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option)

SHEET 2 of 6

HOLE NO. GF-SB #6

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag			
							oz/T	ppb	ppm			
65.2 -		GRANODIORITE (Normal):										
68.5		As per 63.5 - 65.2	E22384									
68.5 -		GRANODIORITE (Altered):										
80.2		weak to moderately silicified black rock comprising 80% of the interval;	E22385									
		no preferred orientation to altered zones;	E22386									
			E22387									
80.2 -		GRANODIORITE: (Normal):										
92.2		Pinkish brown colour, as per 29.0 - 63.5										
		86.0 - 86.5 sheared and bleached; no carbonate	E22388									
			E22389									
92.2 -		GRANODIORITE (altered):										
97.5		Weakly silicified and sericitized granodiorite comprising 75%										
		of interval, with pinkish normal granodiorite the remainder; locally	E22390									
		up to 1% pyrite as diss. small grains less than 1 mm; no fracturing;	E22391									
97.5 -		GRANODIORITE (sheared and weakly myloritized):	E22392									
102.0		Predominant foliation attitude cuts core axis at 80°-83° to c.a. and	E22393									
		consists of elongated beige feldspars and gray quartz grains of	E22394									
		1-2 mm on long axis; also interstitial silica comprising networks of										
		gray quartz stringers in the same orientation; very low or no										
		carbonate;										
		98.9 - 99.2 <u>fault zone</u> suggested by discing & grinding of core over a										
		length of 4"; also at 80-85° to c.a.;										
		93.0 quartz stringer (1/4" thick) cutting c.a. at 55°; vuggy, gray										
		translucent quartz with no metallic mineralization or fracturing;										

D. & W.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option) SHEET 3 of 6

HOLE NO. GE-SB #6

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag			
							oz/T	ppb	ppm			
102.0 -		GRANODIORITE: (Normal):										
116.8		Orangy-pink colour overall attributable to high (70%) content of feldspar of that colour;										
116.8 -		GRANODIORITE: (altered):										
121.5		Weak, moderate and strongly silicified through portions (80%) of this interval; strongest zone (120.9 - 121.5) is completely re-	E22395									
		crystallized to mixture of black f-gr. quartz and micas with less	E22396									
		than 1% sulphides as pyrite in minute scattered cubes; sharp boundaries	E22397									
		at 90° to c.a.; other zones contain translucent barren gray quartz	E22398									
		in ½" thick stringers at 40° to c.a.	E22399									
121.5 -		GRANODIORITE (Fresh):										
140.8		Pinkish colour overall as at 102.0 - 116.8; several inclusions of black	E22400									
		keewatin volcanics up to 2" in dia.;	E22401									
			E22402									
140.8 -		GRANODIORITE (Altered):										
159.5		Dark gray to black; relict primary texture distinguishable; very										
		little stringering, no metallics mineralization;	E22403									
159.5 -		GRANODIORITE: (Normal):										
200.0		Pinkish with short weakly altered sections, light gray in colour	E22404									

*D. E. W.*

# GOLD FIELDS MINING CORP.

PROPERTY \_\_\_\_\_

SHEET 4 of 6

HOLE NO. \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag			
							oz/T	ppb				
200.0	-	GRANODIORITE (Normal):										
224.3		Fresh, beige to flesh colour overall; as alteration zones;	E22405									
224.3	-	BASIC DIKE:										
224.9		Black, homogeneous, chlorite rock with sharp planar, tight contacts at 58° and 54° to c.a. respectively; trace amounts of pyrite throughout;	E22406									
			E22407									
224.9	-	GRANODIORITE: (altered):										
225.9		Weakly altered dark gray colour on both sides of dike;	E22408									
225.9	-	BASIC DIKE:										
229.0		Identical, composition and colour to 224.3 - 224.9, uniform black appearance; sharp, broken, planar leading contact at 50 to c.a. sharp planar unbroken trailing contact at 26° to c.a.	E22409									
			E22410									
			E22411									
229.0	-	GRANODIORITE (Normal):										
277.0		Darker to 230 ft. but generally orange-pink in overall appearance beyond; occasional bands of sericitic silica alteration (approx. 2% of interval).										
277.0	-	GRANODIORITE:										
286.0		Weakly altered through most of interval in fairly even distribution; matrix darker than normal	E22412									
			E22413									
286.0	-	QUARTZ STRINGER:										
287.0		in highly altered granodiorite; ½" thick, quartz stringer	E22414									

D.E.W.







# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option)

SHEET 1 of 7

HOLE NO. GF-SB #7.

TWP. <u>DOME</u>	BEARING <u>060° (Ast)</u>	TRUE DIP at SURFACE <u>-45°</u>		DATE STARTED <u>Mar. 17/81</u>
RANGE <u>LOT</u>	VERT. DEPTH	At	At	DATE FINISHED <u>Mar. 19/81</u>
CLAIM NO <u>526006</u>	LENGTH <u>895.6</u> CORE SIZE <u>BQ</u>	At	At	DRILLED BY <u>Kenora Diamond Drill.</u>
COORDINATES <u>4+180E, 1+00N</u>	NO. of SAMPLES LGTH.	At	At	LOGGED BY <u>R. Morgan</u>
ELEVATION		At	At	

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag	
							oz/T	ppb	ppm	ppm
0.	9.0'	OVER BURDEN - CASING:								
9.6	66.6	GRANODIORITE (Normal): Color variable from pink to pinkish white - feldspars white and pink, quartz, a black amphibole (?), biotite and magnetite. 3% sericite & quartz & carbonate alteration associated with thread like carbonate veins at variable angles from 30 to 60° - some have traces of fine diss. pyrite; 10. - 14' carbonate veinlets at about 0° parallel to core axis, 19.9 to 20.2 cross hatch pattern of veinlets at 36 and 145°; breaks at 45° with an alignment of mafic and a rust-coloured weathered stain;	22441							
		56.3 - 56.8 high altered mafic inclusion, completely recrystallized; rare mafic clots through out core	22442							
66.6	68.0	GRANODIORITE (altered): Black quartz and sericite alteration appears controlled by veinlets, original texture destroyed, open spaces, I.C. broken, sharp, planar at 42°, T.C. broken, sharp, planar at 22° to c.a.	22443							
		D.G.W.	22444							

RED LAKE  
MINING DIV.

## RECEIVED

JUN 28 1982

A.M. P.M.  
7 8 9 10 11 12 1 2 3 4 5 6









# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option)

SHEET 6 of 7

HOLE NO. GF-SB-7

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au oz/T	Ag ppm
322.7	-	Granodiorite (normal) pinkish white slightly prophyritic - pink feldspars	22486					
340.5		white feldspars quartz, chlorite, magnetite. Minor alteration bands of	22487					
		graysericite quartz alteration associated with carbonate thread-like	22502					
		veinlets.	22488					
340.5	-	Quartz carbonite vein 1/2 inch thick; fractured gray translucent quartz	22489					
340.8		and white carbonate; at 34°; about 1 inch altered granodiorite on each						
		side sericite and quartz alteration; good reaction to HCl						
340.8	-	Granodiorite (normal) like 322 - 340.5; 2 inch mafic inclusion at	22490					
341.1		342 ft.	22491					
			22492					
341.1		Quartz carbonate vein with associated 3 inch alteration like	22493					
341.8		(340.5 - 340.8), more carbonate rich at 16° (?) to C.A.	22494					
			22495					
341.8	-	Granodiorite (Normal) pink (like 322 - 340.5).	22496					
352.8			22497					
			22498					
352.8	-	Granodiorite (altered) sericite quartz alteration; 353.7 quartz 6mm	22499					
354.8		gray quartz vein associated discontinuous chert veinlets; 4mm @ 50°	22500					
		to c. a.	22501					
		354. carbonate; white veinlet 3mm @ 28° to core axis.						
354.8	-	Granodiorite (Normal) pink (see 322 - 340.5) sericitized feldspar						
358.5		abundant.						
		D. B. W.						

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option)

SHEET 7 of 7

HOLE NO. GF- SB-7

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag			
							oz/T	ppb	ppm			
358.5	-	Quartz carbonate, chlorite vein 6mm with associated altered										
359.5		granodiorite @33° to C. A.										
359.5	-	Granodiorite (normal) pink porphyritic pink feldspars, quartz, white										
376.2		feldspars, chlorite, magnetite, traces of pyrite. 5% sericite- quartz alteration associated with carbonate chlorite veinlets.										
376.3	-	Quartz chlorite carbonate vein with associated gray sericite-quartz										
376.5		alteration @45° to c.a.										
376.5	-	Granodiorite (normal) pinkish white porphyritic like (359.5 -376.2)										
395.6												
395.6		END OF HOLE (9.0' of BW casing left in hole)										

D.B. Wright  
June 23/82.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option

SHEET 1 of 11.

HOLE NO. GF-SB #8.

TWP. <u>DOME</u>	BEARING <u>150° (Ast)</u>	TRUE DIP <u>at SURFACE</u> <u>-45°</u>	DATE STARTED <u>Mar. 19/81</u>
RANGE <u>LOT</u>	VERT. DEPTH	At	DATE FINISHED <u>March 22/81</u>
CLAIM NO. <u>526284</u>	LENGTH <u>656.0</u> CORE SIZE <u>BQ</u>	At	DRILLED BY <u>Kenora Diamond Drilling</u>
COORDINATES <u>34+100E, 11+00N</u>	NO. of SAMPLES <u>LGTH.</u>	At	LOGGED BY <u>R. Morgan</u>
ELEVATION		At	

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag	
							oz/T	ppb	ppm	
0.0	-	CASING AS REPORTED BY DRILLER.								
10.0										
9.0	-	GRANODIORITE (Normal)	22503							
39.0		Pinkish brown, pink feldspars quartz, white feldspars, amphibole, chlorite,	22504							
		magnetite, trace pyrite, minor grinding at 19.5 - 20.0	22505							
		35.9 - 36.2 altered bands of granodiorite, gray sericite, quartz	22506							
		38.9 - 39.0 altered bands of granodiorite, gray sericite and quartz	22507							
			22508							
			22509							
39.0	-	LAMPROPHYRE DIKE:	22510							
39.4		Dark green, fine grained chlorite rich, very magnetite rich, L.C.	22511							
		irregular, tight at 55°; T.C. irregular, tight at 53° to c.a. strong								
		reaction to HCl								
39.4	-	GRANODIORITE: (Altered)								
44.5		Dark gray with some pink feldspars, extensively recrystallized.								
		no magnetite, strong reaction to HCl, trace pyrite T.C. gradational								
		<i>D.S.W.</i>								

RED LAKE  
MINING DIV.  
**RECEIVED**  
JUN 28 1982  
A.M. P.M.  
7 8 9 10 11 12 1 2 3 4 5



# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option)

SHEET 2 of 11

HOLE NO. GF-SB #8.

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au oz/T	Ag ppm
44.5	-	GRANODIORITE (Altered)						
45.5		Light brown very silica rich; sericite-quartz alteration, trace pyrite						
		44.9 gray and white quartz stringer ¼ "						
45.5	-	BASIC DIKE:						
46.0		Thin gneissic lamination green, white, light brown, strong HCl reaction, small (¼") quartz stringer at 45.7', L.C. tight, planar at 53° to c.a., T.C. irregular at 50° c.a.						
46.0	-	GRANODIORITE (Altered)						
48.4		Brown gray alteration, recrystallized, no or poor reaction to HCl, the last 5" are flooded with white quartz and hematite, fine pyrite	22512					
			22513					
			22514					
48.4	-	GRANODIORITE (Altered):	22515					
48.6		Red, brown fine grained L.C. marked by fine line of mafics at 80° but irregular, T.C. 80° irregular, trace pyrite						
48.6	-	BRECCIA:						
48.7		Rounded fragments in a hematite matrix, fragments are altered granodiorite like the end of 46.0 to 48.4 T.C. tight planar at 71°, trace pyrite						
48.7	-	GRANODIORITE (Altered):						
50.7		Red, brown, fine grained like (48.9 - 48.6) T.C. gradational						

*D.B.W.*

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option) SHEET 3 of 11

HOLE NO. GF-SB #8.

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag			
							oz/T	ppb	ppm			
50.7 -		GRANODIORITE (Normal)										
50.9		Pink minor sericite quartz alteration, white feldspars are apple green										
			22516									
50.9 -		GRANODIORITE (altered)										
60.0		Gray quartz-sericite alteration, some pink feldspars remain, fair reaction to HCl	22517									
			22518									
			22519									
60.0 -		GRANODIORITE (normal)	22520									
75.1		5% sericite and quartz alteration, pink, pink feldspars, quartz, white feldspars, chlorite, amphibole, magnetite, trace pyrite	22521									
			22522									
			22523									
			22524									
75.1 -		LAMPROPHYRE DIKE:										
75.3		Dark green, strong HCl reaction, fine grained L.C. sharp, tight irregular at 50° to c.a.; T.C. sharp, tight, planar at 82° to c.a.; trace of pyrite 1 mm cubes										
75.3 -		GRANODIORITE (Normal)										
83.6		same as (60.0 to 75.1)										
83.6 -		GRANODIORITE (altered):	22525									
85.8		Gray, sericite and quartz alteration; completely recrystallized, 2% fine diss. pyrite ; good reaction to HCl, both in the rock and on the fine carbonate stringers, no magnetite	22526									
			22527									

*D.B.W.*

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option)

SHEET 4 of 11

HOLE NO. GF-SB #8.

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag			
							oz/T	ppb	ppm			
85.8 -		LAMPROPHYNE DIKE:										
86.3		Fine grained dark green, strong structural fabric at 45° to c.a., no magnetite, no reaction to HCl, thread like carbonate stringers associated with them, trace pyrite, L.C. tight, sharp, planar at 45° to c.a., T.C. tight, sharp, irregular at 45° to c.a.										
86.3 -		GRANODIORITE (altered):										
89.5		Gray, 2% fine diss. pyrite, same as (83.6 - 85.8)										
89.5 -		GRANODIORITE (Normal)										
91.5		Pink, minor gray alteration bands, <u>1% fine diss. pyrite</u> 91.3 1 inch lamprophyre dike contacts at 90° to c.a.	22528									
91.5 -		LAMPROPHYNE DIKE:	22529									
95.7		Medium grained, dark green Strong reaction to HCl, L.C. broken, sharp, planar at 85°, T.C. tight, planar, sharp at 50° to c.a.	22530 22531									
95.7 -		GRANODIORITE (Normal)										
98.3		Pink, 10% gray alteration; 0.5% fine, diss. pyrite like (89.5-91.5)										
98.3 -		LAMPROPHYNE DIKE:										
99.4		Medium, grained dark green like (91.5-95.1)										

*D.B.W.*



# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay (Peterson Option) SHEET 6 of 11

HOLE NO. GF-SB #8

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au oz/T	Ag ppm
113.2	-	GRANODIORITE (normal):	22541					
168.4		Pink and gray, 5% gray sericite, quartz alteration slightly porpheric, pink feldspars, quartz, white feldspars, amphibole, magnetite, no reaction to HCl, trace pyrite	22542					
			22543					
			22544					
			22545					
			22546					
168.4	-	BASIC DIKE:	22547					
169.0		Gnessic texture, poor reaction to HCl	22548					
			22549					
169.0	-	GRANODIORITE (Normal):	22550					
285.9		Pink gray, same as 113.2 - 168.9	22551					
			22552					
			22553					
			22554					
			22555					
			22556					

*D.B.W.*



# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option

SHEET 8 of 11

HOLE NO. GF-SB #8

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag			
							oz/T	ppb	ppm			
285.8	-	METAGORBRO DIKE:	22575									
290.5		gnessic texture, soapy appearance, green, no reaction to HCl;	22576									
		feldspars bands of about 1mm or less; pink feldspars augen	22577									
		287.8 - 288.0 white quartz, vein very irregular	22578									
		290.4 1/3" quartz, same appearance as 287.8 - 288.0	22579									
		290.3 - 290.5 quartz vein or quartz flooded L.C. sharp, broken	22580									
		at 90° to c.a.	22581									
			22582									
290.5	-	GRANODIORITE (Altered):										
294.5		Flooded with white translucent quartz about 50% granodiorite; 50% quartz;										
		the granodiorite is pink enriched in mafic minerals; 2° pyrite, no										
		reaction to HCl, no magnetite, also about 5% carbonate in patches,										
		L.C. abrupt and irregular at 67° to c.a. T.C. is gradational.										
294.5	-	GRANODIORITE (altered):										
298.8		slightly greenish gray alteration, original texture remains, no										
		reaction to HCl; minor carbonate, tourmaline; thread like stringers										
		at 40° to c.a.										
298.8	-	GRANODIORITE (Normal):	22583									
309.1		Pink with gray sericite and quartz alteration bands, slightly	22584									
		prophoritic like 113.2 - 168.4, pink feldspars, quartz white feldspars										
		amphibole, magnetite, no reaction to HCl, Alteration bands are thick and	22585									
		have a fair reaction to HCl, and are associated with thread like	22586									
		carbonate stringers at 50° to 60° to the core axis. L.C. gradational,	22587									
		no pyrite										

D. S. W.

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option

SHEET 9 of 11

HOLE NO. GF-SB #8.

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH.	Au		Ag	
							oz/T	ppb	ppm	
309.1	-	LAMPROPHYRE DIKE:								
310.0		Dark green, poor reaction to HCl, L.C. tight, sharp, planar at 45° to c.a., T.C. broken, planar, sharp at 45° to c.a.								
310.0	-	GRANODIORITE (altered) :								
327.6		Pink original texture in part destroyed by the growth of pink feldspars, also has pink feldspars rich stringers at 60° to c.a., Contacts gradational								
327.6	-	GRANODIORITE (Normal):	22588							
336.0		Pink 5% gray sericite quartz alteration like (298.8.-309.1)	22589							
			22590							
336.0	-	GRANODIORITE (altered):	22591							
344.8		Gray sericite-quartz alteration about 30% normal granodiorite sections. Alteration is associated with thread like carbonate stringers, contacts are gradational.	22592							
			22593							
			22594							
			22595							
344.8	-	GRANODIORITE (altered)	22596							
348.3		pink, original texture almost destroyed, pink feldspars enrichment	22597							
			22598							
348.3	-	GRANODIORITE (altered) :								
361.6		Gray original texture completely destroyed; bleached L.C. contact gradation, poor reaction to HCl except on abundant carbonate stringers; near T.C. 5% pyrite								
		356.1 mafic dike 1"								
		350.6 white carbonate stringers								

*D.G.W.*



# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option

SHEET 10 of 11

HOLE NO. GF-SB #8

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au	Ag
361.6	-	CARBONATE:						
363.5		Chorite, quartz brecciated dike, 1% pyrite, angular fragments, L.C. broken, abrupt irregular at 75% to c.a.; T.C. tight, planar abrupt at 75% to c.a.						
363.5	-	GRANODIORITE (altered):						
366.3		Gray like (248.3 - 361.6)	22599					
			22600					
366.3	-	GRANODIORITE (altered):	22601					
379.7		Pink and gray, typical gray sericite quartz alteration, pink (normal) section the crystal contacts have become cloudy	22602					
			22603					
			22604					
379.7	-	GRANODIORITE (altered):	22605					
398.6		Silicified gray sericite quartz alteration with pink feldspars enrichment, fair reaction, no original texture, L.C. and T.C. gradational	22606					
			22607					
		385.3 to 386.3 quartz stringer at 50° to c.a., gray blue transparent	22609					
		small offset of 2 inch within the quartz vein	22610					
			22611					
398.6	-	GRANODIORITE (altered):	22612					
400.5		Pink, sericite and K feldspars enrichment, no original texture, L.C. gradational, T.C. marked by broken ground	22613					
400.5	-	LAMPROPHYRE DIKE:						
426.0		Medium grained, green, strong reaction to HCl, L.C. and T.C. marked by broken ground						

*J.C.W.*

# GOLD FIELDS MINING CORP.

PROPERTY Skookum Bay, Peterson Option

SHEET 11 of 11

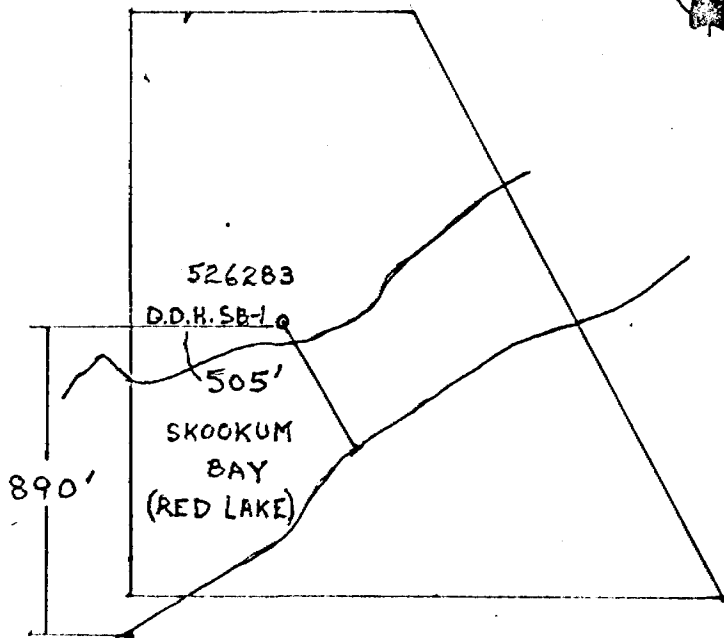
HOLE NO. GF-SB #8

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LGTH	Au		Ag		
							oz/T	ppb	ppm		
		LAMPROPHYRE DIKE:									
		Appears to have assimilated same K feldspars from the Granodiorite									
		403.6 small amount of broken ground	22614								
426.0	428.9	GRANODIORITE (altered): Pink to green, sericite and K. feldspar enrichment; original texture destroyed, like (398.6 to 400.5) T.C. gradational	22615								
			22616								
428.9	580.0	GRANODIORITE (Normal): Pinkish gray to pink; 10% gray sericite quartz alteration bands associated with carbonate stringers less than 1 mm thick; slight propheritic texture; L.C. and T.C. gradational. T.C. mark by an alteration bands (gray sericite-quartz)	22617								
			22618								
			22619								
			22620								
580.0	599.1	GRANODIORITE (Normal): White like (428.9 - 580.0)									
599.1	656.0	GRANODIORITE: (Normal): White to pinkish like (428.9 - 580.0) but with a cloudy appearance to texture									
			22621								
656.0		End of hole (10.0 ft. B.W. casing left in hole)									

*D. B. Wright*  
R. Mc  
JAN 23/52

HOLE LOCATION

GFSB-1

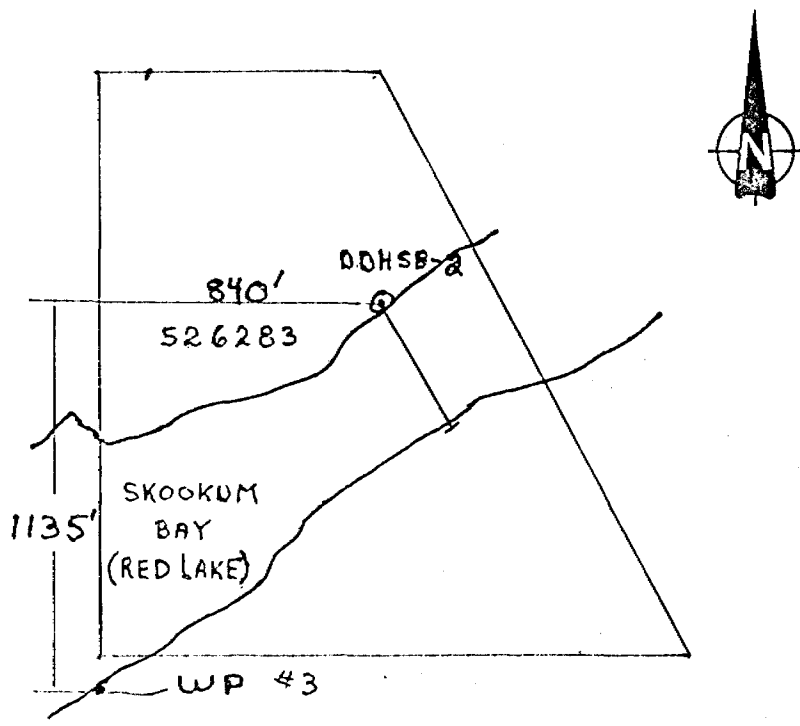


WP #3

SCALE: 1 in = 500 ft

HOLE LOCATION

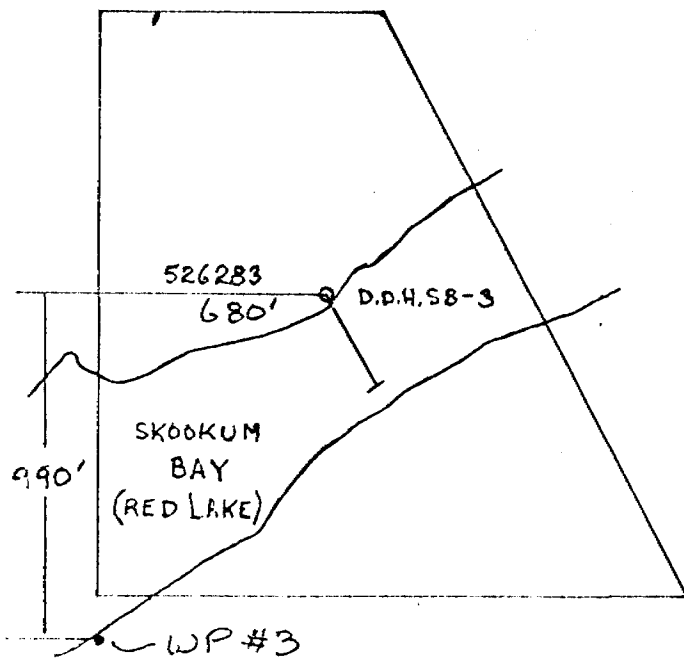
GFSB-2



SCALE: 1 in - 500 ft.

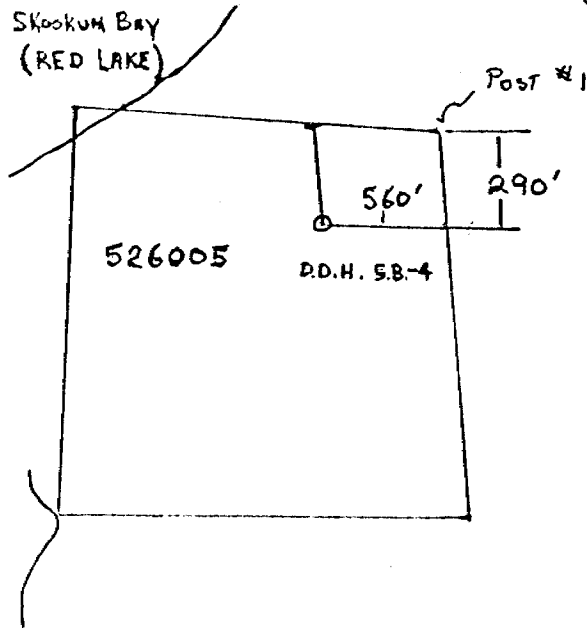
HOLE LOCATION

GFSB-3



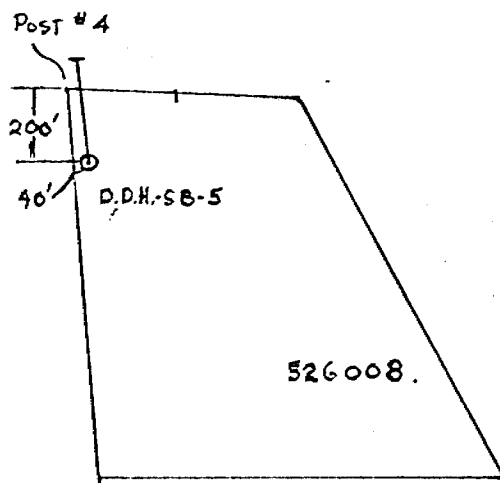
SCALE 1 in - 500 ft.

HOLE LOCATION  
GFSB-4



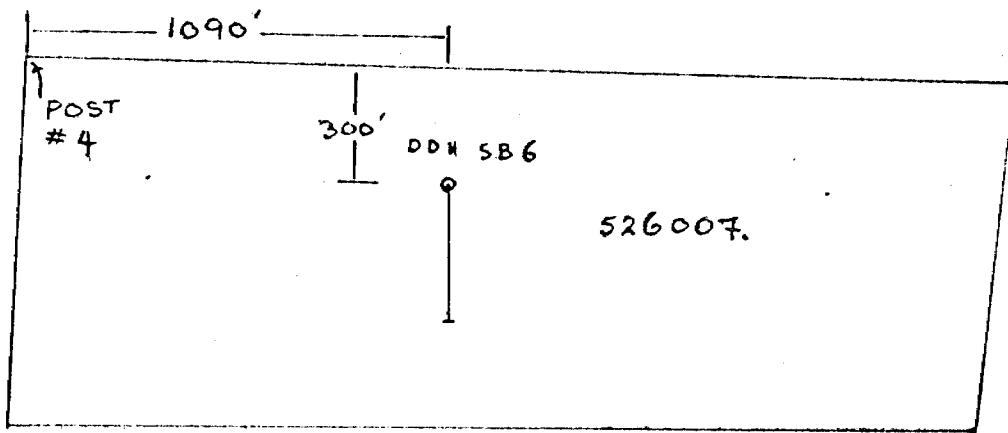
Scale 1" = 500 ft.

HOLE LOCATION  
GFSB-5



Scale: 1" - 500 ft.

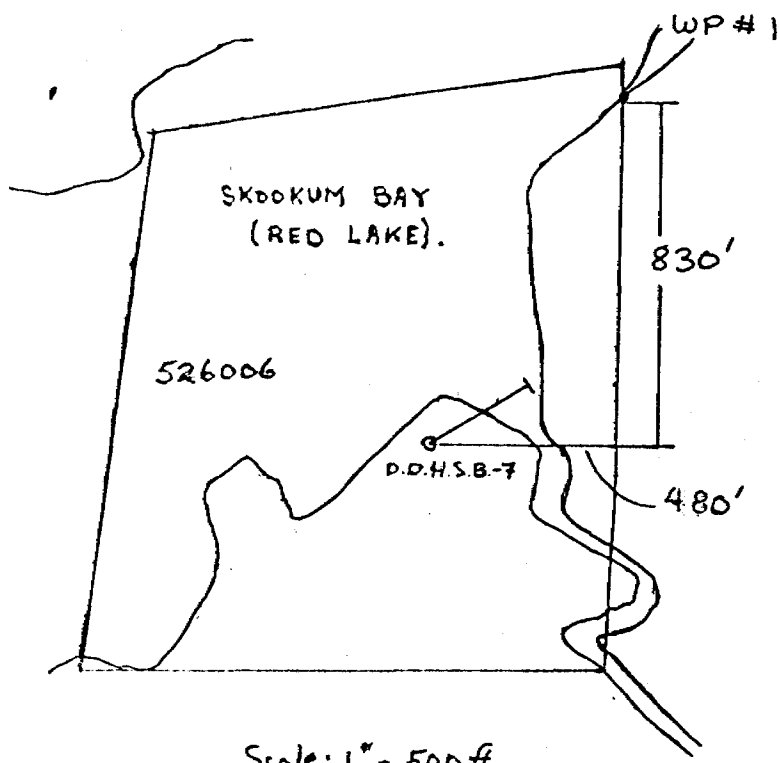
HOLE LOCATION  
GFSB-6



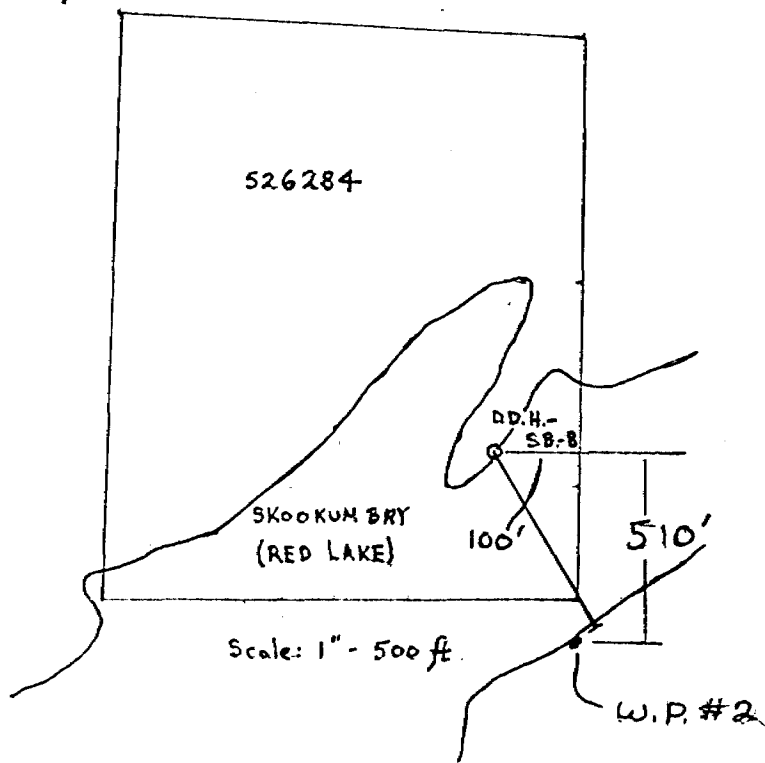
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HOLE LOCATION  
GFSB-7



HOLE LOCATION  
G.F.S.B-8





52N04SW0059 40 DOME TWP

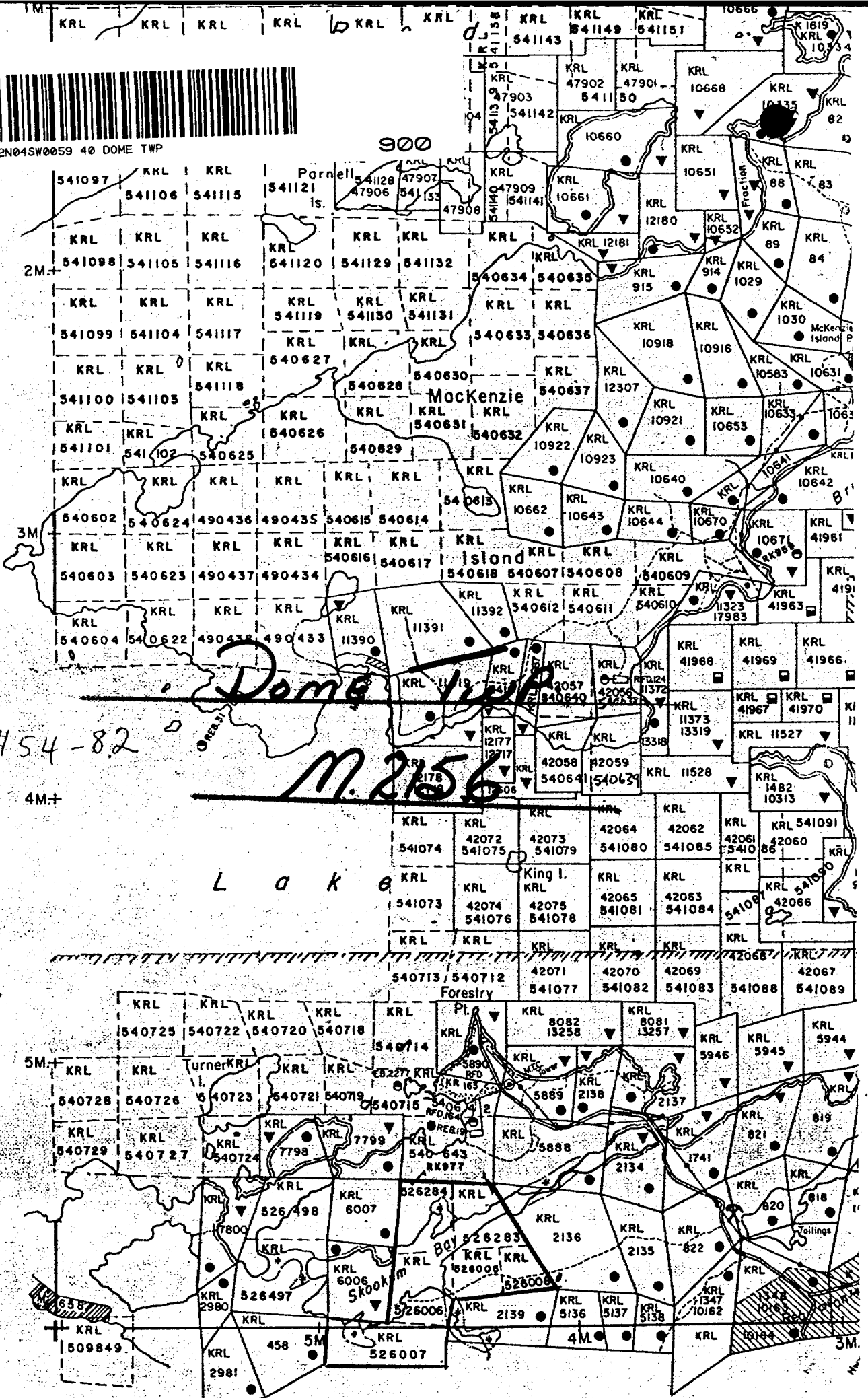
FAIRLIE TP. M.2158

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4M+

M.2156

L a k e



HEYSON T