

9749

Part

2 of 2

ASSAYS TO ACCOMPANY THE  
1981 HATSOFF DRILL REPORT  
TO BE HELD CONFIDENTIAL FOR 5 YEARS  
APPENDIX E *TEK.*  
GOLDEN M.D. 82K/7E

*Nov. 1981*

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : HATSOFF HOLE No. : HO-1 extension  
 CASING COLLAR ELEV.: 2930.4m GROUND ELEV.: 2930m DATE STARTED : July 13/81 PAGE No. 47A OF 61  
 COORDINATES : N. 11793 E. 12431 DATE FINISHED : July 24/81 REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -60° AZIMUTH : 012° TOTAL DEPTH : 914.4 m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS: See below for Sperry Sun Tests	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	Silica	Serpentine	Clay	K-feldspar													Chlorite	MnO	WO <sub>3</sub>	Zn	Fl
690								Depth													
691								Inclination													
692								Azimuth													
693								692.2	56.4°	31.5°											
694								792.4	-55.3°	33°											
695								914.4	-48.0°	39.5°											
696																					
697																					
698																					
699																					
700																					
701								Start of HO-1-81 extension 701.3m													
702								Quartz Monzonite													
703	weak - in vnlts							- med. grained, equigranular, 70% feld. (1/3 K-feldspar, 15% qtz, 15% matrix)													
704	weak							Fractures @ 35° (mainly bis, minor mag).													
705	weak							+70°, 11/m - fresh, hard, - fine (<=1mm) qtz-ser-py vnlts common													
								4mm qtz-ser-py vnlts -23/m													

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : HATSOFF HOLE No. : HO-1 extension  
 CASING COLLAR ELEV.: 2930.4 GROUND ELEV.: 2930 m DATE STARTED : July 13/81 PAGE No. 48 OF  
 COORDINATES : N. 11793 E. 12431 DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -60° AZIMUTH : 012° TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS:	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	Silica	Sericite	Clay	K-feldspar	Chlorite													Mo	WO <sub>3</sub>	Zn	Fl	
705									2-3mm qtz-ser-py unts. Quartz Monzonite								705					
706									- med. grained, similar to above		705.6											
707									Fracture w movement - rare avg 1cm <sup>2</sup> k-feld. pheno, coated w gyp, qtz, py 4-5 mm <sup>2</sup>		94	1%	NIL									
708																	708					700
709									- weak chloritization w minor epidolization of bio,		708.5											
710									- patches up to .5m high in bio, chl and ser, minor ep.		97				47553							
711																	711					
712									2mm qtz-py unlt. w 3mm qtz-ser env. 1cm qtz un w trace mo, py.		711.7											
713									4cm qtz-py unlt w minor sph w qtz-ser env.		97											
714									∴ 15 cm zone of qtz, py, musc.								714					700
715									med. grained qtz monzonite, good salt + pepper texture, homogeneous, mafic zones vary from .2-.4m 25% mafics, occasional k-feldspar in patches or as envelopes along vms.		714.8											
716									- 4 qtz-ser-py unlt/s 1m - 1.5 qtz-py vms 1m		100	1%	NIL									
717																	717					
718											717.8											
719											97.2											
720									3mm qtz-py unlt.								720					



COMPOSITE DRILL LOG

CORE SIZE : 134 SCALE : PROJECT : Hatsott HOLE No. : 40-1  
 CASING COLLAR ELEV.: 2930.4 GROUND ELEV.: DATE STARTED : July 13/81 PAGE No. 50 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -60° AZIMUTH : 012° TOTAL DEPTH : m LOGGED BY : T. Pollock

COMMENTS: Barren qtz in cuts a qtz-mo-py vn. AVG. CORE REC'Y/HOLE

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar	CHLORITE													Mo	Wb <sub>3</sub>	Zn	Fl
735								Quartz Monzonite - med. grained									735				
736																					
737								0.6 qtz-py vn w sph strong qtz-ser-py env. -736-740.5: med.-coarse grained weakly porphyritic from large pale pink feldspar YL's., mottled pink + black, locally K-feld is dark pink + stands out.			1097	2%	Trace								
738																					620
739	mod																				
740	mod							0.5 cm qtz-ser-py. 4 cm qtz vn, lower env 0.1 m			739.4										
741								0.4 cm qtz-ser-py vn w 1 cm qtz-k-feld, ser-py env. 3 mm qtz-py vlt 1 cm qtz-ser-py env.	741-744: 23 qtz-ser-py vlt.												
742																					
743																					
744								1 cm barren qtz vn w envelopes of smuss. plag (green) cuts a 4 mm qtz-mo-py vlt w 4 mm qtz-ser-py envelopes.													
745								3 cm qtz vn w sph, sph, 2 mm env													
746																					
747																					
748																					
749								3 mm qtz-py vn w minor mo 1 cm env.													
750																					



COMPOSITE DRILL LOG

CORE SIZE : 13Q SCALE : 1:100 PROJECT : Hartsoff HOLE No. : HO-1  
 CASING COLLAR ELEV.: 2930.4m GROUND ELEV.: 2930m DATE STARTED : July 13/81 PAGE No. 52 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -60° AZIMUTH : 012° TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS: Gypsum vnt cuts a qtz-py vnt.	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERPENTINE	CLAY	K-feldspar	CHLORITE													Mo	WO <sub>3</sub>	Zn	FI
765																					
766								Quartz Monzonite - coarse grained, similar to above, large feldspar phenos common.													
767								2cm qtz-py m w mo 3cm env.													
768																					
769																					
770								0.3cm barren qtz m. 1cm env.													
771								0.8cm qtz-py m, 0.5 cm env.	771-774m: 4 qtz-py												
772								0.3cm qtz-py m w 1cm env.	2 qtz												
773								Fracture w 1cm env t sph.	1 barren qtz												
774								1cm qtz-py m w minor mo, 0.4cm env.	6 qtz-ser-py												
775																					
776								few veins.	- mottled black + white plus pink, fine ms,												
777									- large feldspar crystals very common, - alteration of bio to chl + epid. constant.												
778																					
779								0.3cm qtz m w ser.													
780																					



COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff HOLE No. : HO-1  
 CASING COLLAR ELEV. : 2930.4m GROUND ELEV. : 2930m DATE STARTED : July 13/81 PAGE No. 54 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -60° AZIMUTH : 012° TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar	CHLORITE													Mo	W <sub>2</sub> O <sub>3</sub>	Zn	Fl
795									5cm aplite dyke w gyr py, mo.								795				
796						weak	py, mag, sp, mo		Quartz Monzonite - coarse grained - mottled black to white to black pink - large feldspar crystals common.			1/2	NIL								
797						weak															
798						weak			few ins, 798-801: 5 gy-ser-py mltz,		80%						798				1120
799	weak								- minor alt. of bio to ser also chlorite and epidote.		800				47583						10 58 1050
800																					
801																	801				
802						weak	py, mag, sp		1.1cm qtz-py m w sph, Plm env.			95%	NIL								
803						weak															
804																					
805									- coarse grained qtz monzonite - similar to above								804				1170
806									1cm qtz-py m w 1cm env. 2cm qtz-py m w tr mo, 1cm env.		806				47585						1 145 80 1200
807						weak to mod						1/2	NIL				807				
808	weak					weak	py, mag														
809																					
810																	810				

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff HOLE No. : 140-1  
 CASING COLLAR ELEV.: 2930.4 GROUND ELEV.: 2930. m DATE STARTED : July 13/81 PAGE No. 55 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -60° AZIMUTH : 012° TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar	CHLORITE													Mo	WO <sub>3</sub>	Zn	FI
810									0.5 cm qtz in w minor py, no env.							810	5			1170	
811									Quartz Monzonite - coarse grained, fresh - similar composition to above - rare gyp mlt.								6	17	70	1250	
812																					
813	weak					weak					812.6		12	NEL	47587		813				
814									1.5 cm qtz in w gyp, minor ser, py sem env.												
815									0.6 cm qtz-py in w, env												
816									0.6 cm qtz-py in w 1 cm env.								816	6		1120	
817											816.6										
818									1 cm ser-py-qtz in w									8	13	70	1050
819									3mm qtz-py in w 0.5 cm env.												
820									1 mm gyp mlt.												
821									- Composition : 10-15% matrix - weakly alt to dl w minor epid.												
822									- 20-25% qtz - 1% max py												
823									1 mm gyp mlt.									7		1030	
824									- rest plag, 1/3 K-feldspar									3	1	98	1050
825																					

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsof  
 CASING COLLAR ELEV.: 2930.4 m GROUND ELEV.: 2930. m DATE STARTED : July 13/81 HOLE No. : 140-1  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -60° AZIMUTH : 012° TOTAL DEPTH : m LOGGED BY : J. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
825																825				
826																				
827																				
828																				
829																				
830																				
831																				
832																				
833																				
834																				
835																				
836																				
837																				
838																				
839																				
840																				



COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : PROJECT : Hatsso ft HOLE No. : 140-1  
 CASING COLLAR ELEV.: 2930.4 GROUND ELEV.: 2930.0m DATE STARTED : July 13/81 PAGE No. 58 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -60° AZIMUTH : 012° TOTAL DEPTH : m LOGGED BY : J. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
855							Quartz Monzonite			855.2						855				
856							- medium grained phase													
857							- homogeneous, good salt & pepper texture													
858					weak		0.4 cm qtz-py-ser m. - locally the rock is pink in colour from increased K-feldspar content.			95%		.52	NIL			858	1			600
859					weak		- mag content nil													
860					weak		- larger feldspar phenos very rare													
861					weak		0.8 cm ptz-ser-py m.							47596			1	4	44	570
862					weak		0.7 cm ptz-py m w tr sph, no real env.													
863					weak		855-858: 12 ptz-ser-py vults													
864					weak		Fracture w slickensides + trace mo.			864										
865					weak		Fracture w slickensides + minor mo.			96%										
866					weak		1 cm qtz m w py, sph, WO <sub>3</sub> , hem.			862.8										
867					weak		- many colour variations due to occasional increases in K-feldspar													
868					weak		- a few large feldspar crystals			93%				47597			1	40	410	500
869					weak		0.7 cm ptz-ser-py m. - 864-867. m - 14 - ptz-ser-py env													
870					weak		1 - ptz m w py, WO <sub>3</sub> , Zn			868.1										
					weak		Contact @ 40°													
					weak		867.9-868.8 m - Aplite dyke													
					weak		no py or mineralization													
					weak		50°													
					weak		0.2 cm qtz-ser-py mlt.			96%										
					weak															

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff HOLE No. : HD-1  
 CASING COLLAR ELEV.: 2930.4 GROUND ELEV.: 2930.0m DATE STARTED : July 13/81 PAGE No. 59 OF  
 COORDINATES : 11793 N. 1243/ E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -60° AZIMUTH : 012° TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
870							Quartz Monzonite									870	22			590
871							2cm qtz-ser-py m.	- medium grained phase - magnetite has disappeared.												
872					weak	py		- mainly good salt & pepper texture - however local patches of coarse			114%	5%	NIL				9	14	42	730
873							1cm pegmatite m.	qtz + k-feldspar disrupt texture - quite fresh + hard.												
874							Contact @ 35°													
875							0.2cm py mlt, no env.	874.15 = 878.5 Adite dyke - pale pink-white, < 5% matrix, hard, trace mo, mag., washed out look, py mlts common, 2% ser.						NIL						
876	weak				weak															690
877						py		- locally mottled dark green from chlorite + sericite			95%		NIL							
878							Contact unknown													
879							Quartz Monzonite													
880							- med. grained, occasional large feldspar crystal.													
881					weak	py	0.2cm qtz-py mlt in fracture.	879-882m - 3-qtz-ser-py mlt.						NIL						
882											101%	5%								
883																				
884							1cm qtz-py m w WO <sub>3</sub> , 0.5cm env													
885							0.3cm qtz-py m w WO <sub>3</sub>													

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1/100 PROJECT : Hatsoff HOLE No. : HD-1  
 CASING COLLAR ELEV. : 2930.4 GROUND ELEV. : 2930.0m DATE STARTED : July 13/81 PAGE No. 60 OF  
 COORDINATES : 11 793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -60° AZIMUTH : 012° TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
885																885				
886								0.5cm qtz-sr-py m. - medium grained phases		885.7										
887								Aplite 885.3-.7 - quite fresh, hard, salt + pepper texture except where there is an increase in pink plag.		972		5	NIL							
888								- occasional large feldspar pling, core gyp. - quite homogeneous		972										
889								Comp: qtz -15-20%		972										
890								- bio 15% - no mag. - rest feldspar 1/2 K-feldspar.		972				47601			888	5		700
891								0.2cm qtz-py m w 0.6cm env.		972										
892								0.8cm qtz-sr-py m.		972										
893										972										
894										972										
895								894.-897m: 8 qtz-sr-py m lts. 2 qtz-py		972										
896								0.4cm qtz-py m. w 0.2cm env.		972										
897										972										
898								0.6cm qtz m w sph, 0.2cm env.		972										
899								1.8cm qtz-py m w sph, 0.5cm env.		972										
900										1000										

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff HOLE No. : HO-1  
 CASING COLLAR ELEV.: 2930.4 GROUND ELEV.: 2930.0 DATE STARTED : July 13/81 PAGE No. 61 OF 61  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : July 24/81 REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -60° AZIMUTH : 012° TOTAL DEPTH : 914.4 m LOGGED BY : T. Pollock

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILICA	SERPENTINE	CLAY	K-feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
900							Parallel gtz-sr-py mts.									900	5			550
901							Quartz Monzonite - med. grained phase.			901	5%	NEL		47603			3	7	67	570
902							- fresh, homogeneous, rare large phenos.													
903							900-903 - 8 gtz-sr-py mts.													
904							0.6 cm gtz-sr-py m.													
905							0.8 cm gtz-sr-py m.													
906							0.8 cm gtz-sr-py m. w/ tr rb, 20.5 cm w.				100%									
907							4 cm gtz-py m w sph, 1.5 cm env.	- medium grained phase of gtz monzonite,		907				47604			5			520
908							- quite homogeneous except for the occasional large (1 cm <sup>2</sup> ) feldspar and gtz (5mm dia) pheno.										10	10	120	520
909							- fresh + quite hard,													
910							- generally good salt + pepper texture except where there is pink plag.				103%									
911							- minor mag.					1%	NEL							
912							906-908m: 2 gtz-py m 8 gtz-sr-py m													
913							0.6 cm gtz-py m													
914							0.3 cm gtz-py mlt. no env.			912				47605			2	1	75	510
915							End of hole 914.4 m			92%										

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *HATSOFF* HOLE No. : *40-2*  
 CASING COLLAR ELEV.: *2930.6 m* GROUND ELEV.: *2930.0 m* DATE STARTED : *July 25/81* PAGE No. : *1 OF 82*  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : *August 5/81* REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : *1219.5 m* LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGIC	COMMENTS: <i>See below for Sparry Sun Tests.</i>	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													Chlorite	Mo	WO <sub>3</sub>	Zn
0																				
1																				
2							<i>Depth</i>	<i>Inclination</i>	<i>Azimuth</i>											
3							<i>609.6</i>	<i>86°</i>	<i>26°</i>											
4							<i>914.9</i>	<i>85.5°</i>	<i>31°</i>											
5							<i>1219.2</i>	<i>85.5°</i>	<i>41°</i>											
6																				
7							<i>Quartz Monzonite</i>													
8							<i>- coarse grained phase</i>													
9							<i>- Comp: - 20% qtz</i>													
10							<i>- 15% matrics mainly biotite</i>													
11							<i>- minor mag.</i>													
12							<i>- rest feldspar 1/3 k-feldspar</i>													
13							<i>5 cm qtz-py m</i>													
14							<i>- quite homogeneous + fresh</i>													
15							<i>1.5 cm qtz-ser py env.</i>													
							<i>- many gossanous fractures</i>													
							<i>0.7 cm qtz-py m</i>													
							<i>- weak propylitic alt of biotite</i>													
							<i>+ local smectitization of plaq.</i>													
							<i>- much of the rock is gossanous.</i>													
							<i>0.3 cm qtz-py-ser mlt.</i>													
							<i>3 cm qtz-py m, 1 cm env.</i>													
							<i>- fractures are very gossanous</i>													

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : 1:100 PROJECT : Hatsoff HOLE No. : HO-2  
 CASING COLLAR ELEV.: GROUND ELEV.: 2930.0m DATE STARTED : July 25/81 PAGE No. 2 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS				
	SILICA	SERICITE	CLAY	K-feldspar													Chalite	Mo	WO <sub>3</sub>	Zn	FI
15								3mm m-fracture								15					
16								qtz-py-ser w mo 0.4cm qtz-py m w 1cm env.	Quartz Magnetite - c.g. phase - rare local sections highly broken due to high sericite content.		90.0	.5	fr.								
17	weak							1.5cm qtz-ser-py m.			77.0										
18									- rare large pink k-feldspar crystal - fresh looking, hard, - weak alteration of bio to chl + minor ep.		93.5					18		10	12	700	
19																					
20								0.6 cm qtz m w sph, 0.5 cm env.	- quite homogeneous		70.1		NJL	47608				13	12	74	960
21																					
22											86.6		NJL								
23								0.3 cm qtz-ser-py m.			73.2										
24																					
25								3cm qtz-py m w sph + qtz, 2cm env.	- gossanous fractures still common, some coated with sericite.		96.7		fr.			24		7	5	740	
26								1cm qtz-ser-py m.			76.2			47609				4	2	285	520
27	weak																				
28											93.5		NJL								
29											29.3										
30											103.2										

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : 1/100 PROJECT : Hatsoff HOLE No. : HO-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 PAGE No. 3 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (m)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar	Chlorite													Mo	WO <sub>3</sub>	Zn	FI
30									Quartz Monzonite								30	4	2	700	
31									- coarse grained phases												
32						weak			- moderate salt & pepper texture, partially masked by pink k-feldspar		103.2			NIL	47610			3	1	50	740
33						weak	py, mag		D. 1 cm gtz - py in weak chb.		32.3		1/2								
34											100.			NIL							
35											35.4										
36						weak			0.2 cm gtz - py in 1cm env.												
37									0.5 cm gtz - py in 1cm env.		100.0			NIL	47611						
38											38.4										
39						weak	py, mag, WO <sub>3</sub>														
40									1.5 cm gtz in w	Composition: 20% gtz,	93.5			NIL							
41									WO <sub>3</sub> 4mm w	15% bio, trace mag,											
42									matrics destroyed.	rest feldspar (1/3 k-feldspar)	41.5										
43						weak			- only alt - is weak alt of bio to chlorite,		70.0	.5%		NIL							
44									- quite homogeneous												
45									- all fractures still gossanous + commonly w sericite		44.5										
									2cm gtz - k-feldspar in w minor py												

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *H0-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *4* OF  
 COORDINATES : *11793* N. *12431* E. DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS:	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													Chalrite	Mo	WO <sub>3</sub>	Zn
45								Fracture coated Quartz Monzonite 5ms. -qtz.								45	5	3	710	
46								- coarse grained phases - occasional large (>1cm <sup>2</sup> ) feldspar crystal,		93.3		19%	NIL	47612		46	6	1	36	620
47					weak					93.5						47				
48					weak			0.5cm qtz-py m w 1cm env.								48				
49								48-51m: 1 qtz-py m 10 qtz-ser-py m lts		93.5			Tr.			49				
50								hairline fracture w Mo								50				
51								0.6cm qtz-py m w 1cm env. cuts a 0.5cm qtz-ser-py m w trace mo.		50.6						51	12	4	690	
52										94.4						52				
53								- fractures still gossanous, - locally strongly broken, - strong qtz-ser-py envelopes around some qtz ms.		52.4			NIL	47613		53	3	4	56	680
54								1cm qtz-py m w 2cm env.		87						54				
55								7cm qtz-py m w sil. mineral.		55.5						55				
56								1cm qtz-py m w 0.7 cm env.								56				
57										85.7						57				
58								2cm qtz-py m w 3 cm env.		57.6		19%				58	12	5	700	
59								2cm qtz-py m w Mo 1cm envelopes								59				
60								1cm qtz-py m 0.5cm env.		90.6			Tr	47614		60	26	8	48	770



COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : 1:100 PROJECT : Hatsof  
 CASING COLLAR ELEV.: GROUND ELEV.: 2930.0m DATE STARTED : July 25/81 HOLE No. : 40-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGUE	COMMENTS:	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	SILICA	SERICITE	CLAY	K-feldspar													Chlorite	Mo	WO <sub>3</sub>	Zn	FI
75							5cm qtz-py in w mo + mo in 2cm env.									75	10	103		780	
76								Quartz, Magnetite e.g. phase, homogeneous, fresh,		100%											
77							0.5 cm qtz-ser-py m.	76.3-76.7m: qtz-plag-ser dyke, f.g., white, homogeneous, contacts @ 45°		100				47617			18	8	38	550	
78																					
79							0.9 cm qtz-py in w quartz 1cm x 0.4cm 2cm qtz-py in w mo 1cm env.			81.3											
80								Composition: 10-15% blk bio, trace mag, 20% qtz - rest feldspar		93.3											
81							0.4 cm qtz-py m in 1cm env.	max 1/2 K-feldspar, equigranular, quite fresh, fractures still gossanous		81.1											
82								plag is pale green in mat a strong salt + pepper texture.		81.7	100										
83							1.5 cm qtz-ser-py m.			91.7				47618							
84																					
85							1cm qtz-py m; 0.5 cm det.			86.3											
86							1cm qtz-ser-py m.	aplike dykes, no sulfides.		86.5											
87																					
88							3 qtz-py ms in qtz ser-py, 5cm wide w mo.			96.5											
89								- rare large feldspar phenos,													
90							20 cm zone in qtz ms + much qtz-w py in sph, mo, cp)			99.6				47619							

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *140-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *7* OF  
 COORDINATES : *11793* N. *12431* E. DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													Chlorite	Mo	WO <sub>3</sub>	Zn
90								0.5cm qtz-py m, 1cm env.								90				
91								Quartz, Magnetite c.g. phase,												
92		weak						90.5-91.2m: qtz-plag dyke, 5% bio, (minor alt to py, hem).		79.1	5-18		NIL							
93		weak			moderate			-plag. is becoming pale green in color + softer, weak alt of bio to chl, epid + ser.		92.0						93				
94								4cm barren qtz m, 1cm env.		94.7								24	10	950
95								2cm qtz m w sil. min in ser env.		93.9								3	1	50 1050
96								Contact @ 55°		91.7										
97								1cm qtz-py m w ser + mo, 4cm env.	95.9-97.6m: f.g. qtz-plag dyke, <2% matrix, 5% ser.	96.3						96				
98								1.5cm qtz-py m. Contact @ 30°		100										
99								1cm qtz-ser py m w mo	98-99m: dyke similar to above.	97.5										
100								1cm qtz-py m w mo, 3cm env.		87										
101								.5cm qtz-py m w mo, 1.5cm env.												
102								1.2cm qtz-py m w mo, .6cm env.		100.6										
103								0.8cm qtz-py m w mo also mo in 5cm env.	-locally between ms plag is altered to clay + ser - it is pale green + soft.	105.5										
104								0.5cm qtz-py m w mo, 0.7cm env.		102.4										
105								1.3cm qtz-py m w mo, teal, 0.5cm env.	where vns not present, the rock is hard, + still quite fresh,	95.2	2%	0.03								
106								0.4cm qtz-py m w mo, 0.7cm env.		104.5										
107										95.7										

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *140-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *8* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 0080*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERPENTINE	CLAY	K-feldspar	CHLORITE													Mo	WO <sub>3</sub>	Zn	FI
105									Quartz Monzonite								105	60	11		1123
106								Fracture along a 1cm qtz-ser-py in w mo.	- c.g. phases.		85.7	1.5%	Tr	47622			106.6	110	10	130	1400
107																					
108								2 cm qtz-py in w mo + cal, 12 cm env. 0.5 cm qtz-py in w 0.6 cm env.	108-111 : 2 qtz-py ms		150						108.4				
109								14 cm qtz-ser-py in w mo. 1 cm qtz-py in narrow env.	5 qtz-ser-py ms		90.9		.02				109.9				
110																					
111								0.5 cm qtz-py in w minor mo, sph, 1 cm env.			110.6						111.6	43	9		1050
112								0.5 cm qtz-py in w cal, + minor mo, minor env.	- c.g. phases, trace mag, rock still quite fresh + hard,		84.4		Tr	47623			112.5	14	7	210	1050
113								0.5 cm qtz-py in, 1 cm env.	fractures weakly gossanous, 5/m		88.8						113.3				
114																					
115																					
116								0.6 cm qtz-py in, 1 cm env.	114-117 : 2 qtz-py, 10 qtz-ser-py		84.3						114.3				
117																	117.3				
118								0.2 cm qtz-py in w mo, 0.7 cm env.			96.7		NEL				118.3				
119								0.3 cm qtz-ser-py			96.7			47624			119.3	6	11	44	820
120																	120				

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : *July 25/81* PAGE No. *9* OF  
 COORDINATES : *11793* N. *12431* E. DATE FINISHED : REF. TO CLAIM CORNER : *53 m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% S ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
120																				
121																				
122																				
123																				
124																				
125																				
126																				
127																				
128																				
129																				
130																				
131																				
132																				
133																				
134																				
135																				

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : 1:100 PROJECT : Hatsoff  
 CASING COLLAR ELEV.: GROUND ELEV.: DATE STARTED : July 25/81  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED :  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m HOLE No. : 40-2  
 PAGE No. 10 OF REF. TO CLAIM CORNER : 53m @ 008°  
 LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHALCITE	Mo	UO <sub>3</sub>	Zn
135							Quartz Monzonite			1353						135	19	11		820
136							0.7cm gtz-py, 0.2 cm env. c.g. phase,				22		.1	47627			11	12	2100	520
137	moderate	moderate			weak		0.6cm gtz-py in minor mo 134-136 - high conc <sup>n</sup> of gtz ms (weak stockwork in intervening rock having no mafic minerals + phg spale green soft.			100				47627			53	12		920
138							0.5cm py in w mus. 40% gtz, 3% py 135.5-136: diss m in wirelike, irregular barren gtz in 3cm forms, rock here is mg.			100			.15	47628, 29			43	74	430	1150
139							fracture coated w mo. gtz in stockwork w mo, sph, ham,			100				47628, 29			65	2		1120
140							3.5cm gtz in w ham minor mo, rock through here is cut by many gtz-py ms in strong mo, the rock is mottled white to pale green from altered phg. rock essentially phg.			95.7			.25	47630			110	10	280	1100
141	moderate	moderate			strong		0.7cm gtz-py in w mo on both contacts gtz in lesser ser + py, locally gtz in stockwork, much sph in gtz ms.			100				47630			51	45		1030
142	moderate	moderate			weak		1.5cm gtz-py in w mo 1cm gtz in w sph, ham, py, mo, born?			100				47630			42	1	2700	1100
143							2-length-py ms w mo + sph, med. grained, white + dark grey mottled,			93.3				47631			19	49		1050
144							0.5cm gtz-py in w mod ch env. 20-25% gtz, fine gtz ± py mltz common,			96.8				47631			1	125	130	890
145														47631						
146														47631						
147														47631						
148	weak	weak			mod.		1cm gtz in w mus, py,			100				47632						
149														47632						
150														47632						

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : *July 25/81* PAGE No. *11* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	SILICA	SERICITE	CLAY	K-feldspar	C-HORITE													Mo	WO <sub>3</sub>	Zn	Fl	Cal
150									Quartz Monzonite							150						
151									- m.g., hard, quite fresh,		97.1	100										
152	weak								0.4 cm gtz-py in w md sph,		107.6	15%	Tr.									
153	in r along ms					moderate			15-20% gtz - rest feldspar (1/4 k-feldspar)		152.2					153						
154									5cm gtz-py in w mo, 1.5 cm env.		152.2	88.8						7	72		960	
155									0.5 cm gtz-py in w 0.4 cm env.		155	100		.03	47633		155	13	20	2200	1150	Cal 27
156									2cm gtz in w sph + sp. 8		157.3	91.5				156						
157									1cm gtz-py in w ser, hot feld env.		157.3											
158						moderate			1.5 cm gtz-py in w mo, 1cm env.		160.2	96.5										
159									1cm gtz-ser-py in		160.2					159		10	35		900	
160									0.8 cm gtz-py in w mo, 0.3 cm env.		162.8											
161	weak										162.8	96.1	3%		47634		161	8	70	57	850	Cal 14
162	weak								1cm gtz-py in, 0.6 cm env.		163.7	100										
163	weak								162-165m: 4 gtz-py ms		163.7											
164									1.5 cm gtz-py in w mo, 3cm env.		165	100										
165						mod, locally strong			11 gtz-py-ser (weak stockwork)													
									- locally rock strongly broken													
									a high py, mafic zone													

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : *July 25/81* PAGE No. *12* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53 m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS					
	SIENITE	SEALITE	CLAY	K-feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn	Fl	
165								Quartz Monzonite								165	9	36		820		
166							1.5 cm qtz in w py + tr mo, 0.5 cm env.	- milky white washed out look, individual grains do not stand out		166.9	100	2.5	Tr	47635		165	8	14	78	710	Cl 13	
167	mod. weak						1.5 cm qtz-py in w tr mo.	max 10% mafics,														
168	mod. weak						1.5 cm qtz-py in w tr mo.	167-168.3m white, qtz-plag dyke, mag. no mafics, minor py + ser, similar to dyke below but without qtz stockwork + mo.		168.9	104		Tr	47636		168	14	16		820		
169							1.5 cm qtz-py in w mo. Contact @ 45°										169	11	23	440	900	Cl 33
170							0.4 cm barren qtz in w mo	169.4-170.85- fine grained white dyke, composed mainly of qtz + plag, no mafics, py only in ms, cut by stockwork of fine qtz in w mo.														
171							0.1 qtz-py in w mo										171					
172							0.8 cm qtz in w tr mo	fg-mg. qtz-monz. w plag cause		171.9	96.7		Tr									
173							0.6 cm qtz-k-feld															
174							0.4 cm qtz-py in w mo + sph, 0.5 cm env			173.4	93.7		Tr									
175							0.4 cm qtz-py in w mo, 0.2 cm	Quartz Monzonite														
176							0.2 cm qtz-ser py in	- med. grained phase, mafic content is patchy, avg 10-15%, mag conc in high mafic patches,		175	93.7		Tr									
177							174-177: 3 qtz-py ms	qtz-k-feldspar ms (less or less common).														
178	weak									177.6	92.3											
179							0.5 cm qtz-py in															
180										179.2	95.2	2%	Tr	47637		177	13	15		750		
																180	22	10	32	860		

COMPOSITE DRILL LOG

CORE SIZE : **NQ** SCALE : **1:100** PROJECT : **Hatzoff** HOLE No. : **HO-2**  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : **July 25/81** PAGE No. **13** OF  
 COORDINATES : **11793 N. 12431 E.** DATE FINISHED : REF. TO CLAIM CORNER : **53m @ 008°**  
 INCLINATION : **-90°** AZIMUTH : TOTAL DEPTH : LOGGED BY : **J. Pollock**

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	MO	WO <sub>3</sub>	Zn
180																180				
181	weak						0.5 cm qtz-py in w mo 1cm env.	Quartz, Monzonite - siliceous, matrix altered to py+ser. matrix < 3% (present locally).		181.2	93.3	22	Tr							
182	weak						0.3cm qtz-py in w mo, 0.4cm env.	7 fractures/meter, pale green, hard, K-feld < 15%.		182	100									
183					weak			- weakly silicified,		183.5	80					183	10	10		770
184											92.3									
185	locally weak				strong		1cm qtz-py in w 0.5 cm env.			184.8	95.2		Tr	47638			7	13	33	500
186							6x3cm sil zone w mo + sph,	17 fractures/m, locally some plag crystals alt. to clay,		185.2	83.8					186				
187							3cm qtz-py in w + mo, sph 1cm env.	locally strongly broken, individual grains do not stand out - welded appearance		186.4	100		Tr							
188										187.6	100									
189							0.7cm qtz in w py, sph.			187.8	87.5					189	5	14		970
190										188.4	100									
191										189.3	100									
192							5cm qtz-py in w mo + sph, 1cm env.	mod. grained phase, Comp: 15% matrix, mainly bio - minor mag in high mafic rounded patches (xenoliths?).		190.8	92.8		Tr	47639			2	8	35	960
193								20% qtz - 1/2 of qtz felds - K-feldspar hematite staining common.		192.2	100					192				
194							1cm qtz-ser-py in	- bio weakly alt. to chlorite.		193.1	100									
195										193.8	100	1.52	Nil							
											93.3					195				

COMPOSITE DRILL LOG

CORE SIZE : NP SCALE : 1:100 PROJECT : Hatsoff  
 CASING COLLAR ELEV.: GROUND ELEV.: DATE STARTED : July 25/81 HOLE No. : 140-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	UO <sub>2</sub>	Zn
195										195.3					195	3	14	1270		
196							Quartz, Magnetite similar to above, -occasional large K-feldspar phenos,			196.3	109	22	Tr	47640		6	20	270	1450	
197					strong					197.0	100									
198										197.8	75				198					
199										199.0	96.7									
200							core is locally in pieces, some plaq crystals altered to clay.			200.7	88.2		Tr							
201					strong					201.7					201	3	15	1370		
202										202.7	88.2									
203							medium grained phase, composition similar to above, quite fresh, hard, homogeneous, qtz-py ms w no dying off			202.7			NIL	47641		1	15	284	1400	
204					moderate					204.2	94.4				204					
205							204-207m: 6 qtz-w-py mlt's			205.0	100									
206							7 fractures/m.			206.0	100									
207										207.0	100									
208					moderate		few qtz ms.			207.9	88.8				207	1	12	1250		
209										209.0	104.7		NIL	47642		11	55	1250		
210										210.0					210					

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatzoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : *July 25 1981* PAGE No. *15* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn	FI
210										210						210					
211							Quartz Monzonite 0.6 cm gts in w cal mo, py 10.5 cm env.			218	94.7	1.5%	Tr.								
212					mod		1 cm gts in w silvery min thro env. ← mafic alt. to act+py			218											
213					py		0.3 cm gts - cal in w mo, minor py.			213	94.7					213					
214							0.2 cm gts in w sec. no env. &			213.7											
215					strong					214.9	108.3			47643							
216				very weak			hairline gyp unit.			216.7											
217							0.6 cm gts w WO <sub>3</sub> cuts d gts - ser - py unit + gyp unit.			218											
218				weak			hairline gyp in w gts - ser - py unit. not that black + pale pink, mafic weakly altered to chl + epid., mg, homogeneous, occasional large k-feldspar XL.			218											
219							1 cm gts - py in, 1 cm env			219	100					219					
220							2 cm gts - py in w sph + silvery min., 1 cm env. some plag X's alt to clay.			221											
221				weak						221				47644							
222							hairline gyp in. 219-222: 1 gts - py in, 11 gts - ser - py in 4 gyp hairline vults.			221						222					
223							2 cm gts - py in w mo. 1 cm env. - rock now is competent, fresh + hard.			221	100	1.5%	Tr.								
224				very weak			0.3 cm gts - py in.														
225							1 cm gts - py in w mo, 0.7 cm env.														

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *40-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : *July 25/81* PAGE No. *16* OF  
 COORDINATES : *11793 N 12431 E* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar	CHALCOPRITE													Mo	W <sub>2</sub>	Zn	Fl
225									Quartz, Monzonite		216.5	100				225	5	11	1150		
226						weak		0.2 cm gauge	med. grained, homogeneous, fresh, rare large pink K-feldspar plera, 2 fractures/m,		220.5	91.6	1%	Tr.	47645		1	12	36	1150	
227						weak			- high matric patches common (contain mag.) avg 4-5 cm across.		227.8	82.7									
228						weak		0.7 cm gtz-py m w mo, 1 det chb.								228					
229						weak		0.3 cm gtz-gyp w w sph	231-234: 2 gtz-py ms			100		Tr							
230						weak		0.9 cm gtz-py m w mo, 0.5 cm env.	15 gtz-sar-py unts												
231						weak		0.8 cm gtz-py m w Tr mo, 0.8 cm env.	1 gyp unlt.		230.7					231	3	11	1030		
232						weak		1 cm gtz-sar-py un.				100		NEL	47646		7	12	34	1100	
233						weak					233.5					234					
234						weak															
235						weak		hairline gyp unlt w py				93.3		Tr.							
236						weak		0.9 cm gtz-py m w 0.5 cm env.													
237						weak		1 cm gtz-py m w mo w 1 cm env.	medium grained phase, has the appearance of granite, equigranular, homogeneous, flesh, hard		236.5					237	3	10	1000		
238						weak			237-240m: 2 gtz-py ms			102.2									
239						weak		0.5 cm gtz-py m w 1 cm env.	20 gtz-sar-py ms			15%		47647		1	6	30	840		
240						weak			1 gyp unlt.		239.6					240					

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *H0-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : *July 25 191* PAGE No. *17* OF  
 COORDINATES : *11793* N. *12431* E. DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar	CHLORITE													Mo	W <sub>2</sub> O <sub>3</sub>	Zn	Fl
240									0.8 cm gtz-gyp-py w/ sph							240					
241									Quartz Monzonite - may similar to above			1.5-									
242									- poor salt + pepper texture because of much pink feldspar		100	22	MSL								
243									1 cm gtz-ser-py w 0.3 cm gtz-py w/ 1 cm gtz-ser-py env.		242b					243	12	2		260	
244									0.8 cm gtz-w sph, 2 chlo env.			93.5	MSL	47648			244	1	13	498	1050
245																					
246											245a						246				
247									0.3 cm gtz-py w 1 cm env.				MSL								
248									0.2 cm gyp-ser w along a fracture, 1 cm env.		100										
249									Contact @ 40°?		248a						249	17	9		830
250									Quartz Porphyry												
251									0.9 cm gtz-py w w 0.6 cm env.		100		Tr	47649			251	33	6	95	680
252									1 cm gtz-py w w mo, 1.3 cm gtz-py w w tr mo. 0.5 cm env.		251b	22									
253									hairline gyp. w/lt, 0.3 cm env.								252				
254									0.3 cm gtz-py w 0.3 cm env.		106.2		MSL								
255									- 10% of gtz is as phenos, rest of gtz is eq. in a matrix of feldspar. - no mag or high mafic clots - 2 fractures / m.		254a						255				



COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : *July 25/81* PAGE No. *19* OF  
 COORDINATES : *11793* N. *12431* E. DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *J. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS:	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
270								Quartz Porphyry								270				
271																				
272								1cm gtz(fractured) py ← 1/2 of plag alt to clay. in, w/mo? - 0.5cm env. 272.6 - 276.1m - gtz prop. - gtz matz.		93.5	22	Tr.								
273								- 10% matrics - partially alt to chly. epid + py. ser. - hum. staining throughout. - more homogeneous than gtz prop.		273.1						273	6	6		250
274																				
275										100		NEL		47653			9	4	70	900
276																				
277								0.3cm gtz-py in, 276-279: 7 gtz-py in. no env. 2 gtz-ser-py ms. 2 fractures / m.												
278										92.0		Tr.								
279								1cm gtz-py in no env, cut by 0.3cm gtz-py in w mo, 0.3cm env! - crystals have a drussy appearance crystal boundaries are no sharp,		278.6						279	5	6		200
280																				
281										96.7		NEL		47654			4	6	28	970
282								1cm gtz-py in,		282.6										
283																				
284								0.1cm gtz in w py sphy + sil. mat, no env.		96.9		1% NEL								
285								0.2cm X-cutting gtz-py in w sil. mat.		284.8						285				

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : *July 25/81* PAGE No. *20* OF  
 COORDINATES : *11793* N. *12431* E. DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-FELDSPAR													CHLORITE	Mo	Wb	Zn
285																285				
286							Quartz Porphyry													
287							1.2 cm gtz-py in, -mottled white + dark grey, no env. w gyp. -3-4% big, 5° ser from alt. big, homogeneous looking, 25-30% gtz, hard, quite fresh		46.9	22	Tr		47655			287	2	8	46	830
288							0.2 cm gtz-py in w mo, 0.5 cm env. cuts & 1 cm gtz in w sph + mo. a 1.3 gtz-py in w gyp 1 cm env.									288				
289							2 gtz-py in in mo, 288-291 m: 5 gtz-py in, 40g 0.3cm, 0.4cm env. 3 gtz-w-py 1 gtz-sph.		100		.02									
290																				
291																				
292							0.3 cm gtz-py in w mo, 0.15 cm env. cuts 0.6 cm gtz-py in w mo.													
293							0.9 cm gtz-py in w mo 1.5 cm env.		40.3		Tr		47656			291	6	9	30	1050
294																				
295							2.5 cm gtz-ser-py in.													
296							0.5 cm gtz-py in w 0.6 cm env. similar to above, rare large feldspar (pink) crystals, locally the rock varies from the typical mottled dk grey + greenish to pink from increased hem + pink plag.		100		NIL									
297							0.3 cm gtz-py in, 0.5 cm env.													
298							1 cm gyp unit.													
299							0.2 cm gtz-py in, 0.3 cm env.		46.9		2%	NIL		47657		294	21	28	220	990
300							1.5 cm gtz-py in w 1.5 cm env.													

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *H0-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : *July 25/81* PAGE No. *21* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53 m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHALCOPRITE	Mo	Wb3	Zn
300																				
301																				
302																				
303																				
304																				
305																				
306																				
307																				
308																				
309																				
310																				
311																				
312																				
313																				
314																				
315																				

*Quartz Porphyry*

*0.5cm carb-gtz in w py.*

*1.4cm gtz-py in w no, no env.*

*4cm purple gyp in 1cm env.*

*2cm gtz-py in w no, no env.*

*1cm gtz-py in w to CA. tr mag gyp, 0.7cm env.*

*0.5cm gtz-py in, 0.5cm env.*

*0.5cm gtz-py in, 1cm env.*

*0.4cm barren gtz in, no env.*

*0.3cm gtz-py in w 0.4cm env.*

*0.1cm gtz-py in w 0.5cm env.*

*1.3cm gtz-py in 0.6cm env.*

*1cm gtz-py in w tr sph.*

*1cm gtz-py in w tr sph.*

*306-309: / barren gtz in*

*1 gtz-py*

*4 gtz-ser-py*

*1 gyp. mlt.*

*312-315m: 4 gtz-py in w*

*4 gtz-ser-py in w*

*Mo Wb3 Zn F1*

*300*

*303 17 18 900*

*304 28 12 190 810*

*306*

*309 12 275 800*

*310 7 14 56 890*

*312*

*313*

*314*

*315*

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *H0-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : *July 25/81* PAGE No. *22* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : *m* LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERPICITE	CLAY	K-Feldspar	CHLORITE													Mo	W <sub>2</sub> O <sub>3</sub>	Zn	FI
315									0.1 cm qtz-py m, 0.3 cm env. <i>Quartz Porphyry</i>							315	11	274	820		
316									1.3 cm gyp m w sphy, WOs, hem, 0.5 cm env. <i>- similar to above</i>			2%	NIL	47660		2	7800	210	710		
317																					
318	weak					weak						96.7				318					
319									1 cm qtz-sr-py m.												
320									0.7 cm gyp m w py, sphy, no env. 1 cm qtz-sr-py m cut by below.				Tr.								
321									2 cm qtz-py m w mo 319.7 - 321.7 m, no env.							321	9	274	750		
322									322.8 - 324 m : hematite stained				Tr.	47661		25	14	23	860		
323												96.7									
324									0.2 cm qtz-py m <i>324-327 m: 3 qtz-py ms</i> 0.4 cm env. <i>8 qtz-sr-py m/ls.</i>							324					
325																					
326												100	NIL								
327																					
328	weak					weak			0.7 cm qtz m w sph 0.4 cm env. <i>matic content 3-4%, most bio alt to ser +/- or chl + epid. hematite staining common.</i>							327	12	5	760		
329	very weak					weak						100	22	NIL	47662		1	1	170	670	
330									0.2 cm qtz-sr-py m.							330					

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : 1:100 PROJECT : Hatsoft HOLE No. : 140-2  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : July 25/81 PAGE No. 23 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERPENTINE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
330							Quartz Porphyry			330.7						330				
331							0.6 cm gtz-py vn no env. / 10				25	Fr								
332											97									
333	weak				weak	py, sp	0.4 cm gtz-py vn no env. ← trace diss. mag									333				
334										334.1										
335							0.2 cm gtz-py vn. - rock varies from mottled dark grey + white to the same w a pink colour from hematite + pink k-feldspar + plag.				100		Nil	47663			11	1	18	740
336							3% bio, 5% bio alt to sor +/or dl.									336				
337					weak	py, sp, chl	3 cm gyp vn w py + sph, bits a 0.8 cm gtz-py vn w 0.8 cm env.	25% gtz, 5% gty phos 1/3 of feldspar K-feldspar -v.f.g 3-4 cm gty-mang. splite dykelets common.			96.6		Tr							
338																				
339							0.8 cm gtz vn w py r sph, no env.									339	13	18		850
340							1.3 cm gtz vn w tr gyp + py.			340.1			Fr	47664			5	53	225	1000
341																				
342							0.3 cm gtz-py vn w mag weak env.				96.5					342				
343							0.4 cm gtz-py vn w mo, 0.6 cm env. ← 343.1 - 344.0			343.1			Fr							
344	weak				very weak		fracture coated w py + mo.				96.9	22								
345							0.7 cm gtz-py vn w cal. in env.									345				

COMPOSITE DRILL LOG

CORE SIZE : *N4* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *24* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERPICITE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
345							Quartz Porphyry									345	27	21	820	
346							Similar to above			96.9										
347							- trace diss. m. minor hem, 2-3% max bio, 5% sericite, some plag crystals clay altered.			22				47665			23	10	25 820	
348							- minor diss. hem.			100										
349																				
350							1 cm qtz-py in w m. g.													
351							0.2 cm qtz-py in w sph, ab. lens.													
352																				
353							Two 11 fractures in no coatings							47666			54	10	295 800	
354										100										
355																				
356																				
357							Quartz Porphyry 0.5 cm qtz-ser-py in. - commonly hematite stained, max 6% bio, most of the bio alt to ser + minor chl.			100										
358							1 cm qtz-ser-py in, rd around un.													
359							- m.g. in 5% qtz phenos, 3 fractures / m							47667			24	1	40 820	
360										96.8	1.5%									

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : 1:100 PROJECT : Hatsoff HOLE No. : 40-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930. DATE STARTED : July 25/81 PAGE No. 25 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
360																				
361							1 cm qtz-py m, no env. Quartz Porphyry			361	96.8					360				
362							1 cm gyp m w py, 0.7 cm env. - mottled dark grey + green-white				22	Tr								
363							0.5 cm qtz vn w py, 0.10z, sph, hemat., 0.5 cm env. - bio 1-5%, ser 4-5%, chl ± epid 2-3%, minor diss hem,				100					363	47	5	990	
364							0.3 cm qtz-py m w tr mo, thin chv. - trace diss. mo, - qtz 25-30% max 5% planes - locally rock very weakly porp.			364										
365							0.3 cm qtz-py m w mo, thin chv. 363-366 - 6 py-ser-py ms										90	8	37	1200
366							0.2 cm qtz m w py, sph, no env. 2 qtz-py ms				96.7					366				
367							0.3 cm qtz-py m, 1 cm chv.													
368																				
369																				
370																				
371							good porphyritic texture, - no diss mo visible			370.5							20	7	48	810
372							1 cm qtz m w py + sph, drw env.				96.8					372				
373							0.1 cm qtz-py m w 0.4 cm chv.													
374							1 cm qtz-py m w gyp + mo, no env.													
375							0.2 cm qtz-py m w mo no env.				96.6					375				

COMPOSITE DRILL LOG

CORE SIZE : N4 SCALE : 1/100 PROJECT : Hatsoff HOLE No. : HD-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25 181 PAGE No. 26 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	W03	Zn
375																375	Mo	W03	Zn	Fl
376							Quartz Porphyry			96.6							12	6		920
377	weak				weak	Py, Hem.	-map 5% bio, 5% bio altered to ser + chlorite plus minor py. -rock has a red tinge from hematite staining			376.7			NIL	47670			7	5	28	950
378							0.2 cm qtz - py m 0.5 cm env. -rare large feldspar phenos -2 fractures/m, -quite fresh, hard, -moderate porphyritic texture			93.5						378				
379										377.8			NIL							
380																				
381							0.1 cm qtz - py m, 0.7 cm env.			100						381	10	6		950
382																				
383										382.8			NIL	47671			9	6	25	1000
384							1.5 cm qtz m w py, sph, & sil. min. 0.5 cm env. -good porphyritic texture, qtz phenos stand out amongst a med. to fine grained matrix, -large euhedral feldspar phenos common									384				
385							0.9 cm qtz - py m, no env.													
386										385.9			NIL							
387	weak				weak	Py, sph										387	19	6		890
388							0.6 cm qtz m w py, sph, to no, no env.			103.7										
389										388.6			NIL	47672			13	6	72	890
390							0.3 cm qtz - py m 0.5 cm env. + sph.			96.8						390				

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : 1:100 PROJECT : Hatsoff HOLE No. : HO-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 PAGE No. 27 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	Wb <sub>3</sub>	Zn
390							0.3 cm qtz - py in w mo 0.3 cm env.									390				
391							Quartz Porphyry													
392	weak				weak		0.1 cm qtz - py in w mo - ruffled pink + dark grey - 4% bio, 5% bio alt to ser + lessor alt + rapid + trace py.			391.7	16.8	22	Tr							
393			very weak		weak	py horn mo	1 cm barren qtz in no env.									393	23	19		820
394							- 25-30% qtz 5-10% in phenos - good porphyritic texture - hematite stain common - 2 fractures / m													
395										394.9			NEL	47673			36	7	43	780
396																396				
397							2-0.6 cm qtz in w py, sph, sil. min, no env.				100									
398							1.5 cm fault zone? gouge + qtz.			398			Tr							
399							- more siliceous looking here, hematite stain not prominent, where this occurs no blk bio exists - all altered to ser + burn bio?									399	39	23		800
400							0.2 cm qtz - py in				100									
401					← string	py				401.1			NEL	47674			19	45	73	800
402																402				
403							0.2 cm qtz - py in w mo 0.2 cm env.				83.3									
404					weak	py	0.7 qtz - py in, 0.3 cm env. 0.4 cm qtz - py in w mo irregular env.													
405							0.7 cm qtz - py in w mo no env.									405				

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Katsoff* HOLE No. : *140-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930* DATE STARTED : *July 25/81* PAGE No. *28* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
405							Fracture w to mo + py.									405	40	24	810	
406							Quartz Porphyry													
407					weak		0.6 cm gt <sub>2</sub> -py in w mo 1.3 cm env.	- mottled white + dark grey - little pink feldspar		96.7	3%		.08	47675			62	16	85	830
408					weak		3.5 cm gt <sub>2</sub> -py in w mo, no env. Fracture w to mo, py.	- trace diss. mo, - no black bio - all altered to ser plus minor chl.		407.2						408				
409										96.8										
410								402-405: 6 gt <sub>2</sub> -py ms, 3 w mo 2 gt <sub>2</sub> -ser py ms												
411										410.3						411	41	52	880	
412							0.4 cm gt <sub>2</sub> -py in w mo, no env.	pink feldspar + hematite staining has returned giving the rock a pink tinge, map 5% bio		100.							38	12	265	810
413							0.4 cm gt <sub>2</sub> in w minor py	- no diss. mo.		98.3										
414							Fracture w mo coating									414				
415							0.2 cm gt <sub>2</sub> -py in, no env.			100.										
416																				
417					weak		0.2 cm gt <sub>2</sub> -py in w mo, no env. 0.7 cm gt <sub>2</sub> in w py, sph, WO <sub>3</sub> , hln no env.			416.4						417	25	47	870	
418										96.7							23	128	98	1000
419							1 cm gt <sub>2</sub> -py in													
420										419.4						420				

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *40-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930m* DATE STARTED : *July 25/81* PAGE No. *29* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
420							Quartz Porphyry									420	Mo	WO <sub>3</sub>	Zn	FI
421							- locally good porphyritic texture													
422							- large feldspar phenos common													
422							- hematite stain common.													
423							- 40 ± 7%													
423							0.3 cm qtz-py in, no env.													
424							20 cm qtz-ply dyke	420-423 - 10 qtz-ser-py mltz												
424							w no S	1 qtz-py												
425																				
426																				
427							0.5 cm qtz-py in	rock is quite consistent												
427							no env.	quite fresh, hard.												
428							0.1 cm qtz-py in w mag hem													
428							0.3 cm qtz-py in													
428							no env.													
429																				
430																				
431							0.1 cm qtz-ser-py in													
431							w 0.2 cm env. py													
432																				
433																				
434							1 cm qtz-ser-py in	similar to above.												
435																				

COMPOSITE DRILL LOG

CORE SIZE : *1/4* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *140-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *30* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : *m* LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	WDS	Zn
435								Shear zone (0.2 cm) w mo + py coating.								435	9	3		910
436			locally weak					2 cm qtz-py in w gyp. 0.2 cm qtz-py in w them 0.5 cm env.		100	1.5	Tr	47680			436	15	1	26	970
437										437										
438																438				
439								0.2 cm qtz-py in w mo no env.		100		Tr								
440								0.1 cm qtz-py in w mo 0.1 cm env.		440										
441																441	11	7		950
442								0.1 cm qtz-py in 0.3 cm env.		442	96.9		NSL	47681			11	12	48	1000
443								0.3 cm barren qtz, va, no env.		443										
444			locally weak													444				
445								0.8 cm qtz-py in w tr mo, hem, 0.4 cm env.		445	103.3		Tr							
446								10 cm aplite dyke w diss. hem.		446										
447								0.3 cm qtz-py in w mo, 0.2 cm env.								447	10	8		900
448										448	93.5		NSL	47682			7	7	52	880
449								2 cm qtz-sar-py in.		449						450				
450																				

COMPOSITE DRILL LOG

CORE SIZE : NP SCALE : 1:100 PROJECT : Hatsoff  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : July 25/81 HOLE No. : HD-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	SILICA	SERICITE	CLAY	K-FELDSPAR													CHLORITE	Mo	WDS	Zn	Fl
450								Quartz Porphyry (Qtz-feld-Porphyry)								450					
451								- large pink k-feldspar phenos very common.				2%	NEL								
452								- hematite staining predominant.		100											
453	very weak				weak			fracture w py, gyp + hum smear.		453						453	15	9		860	
454																					
455										96.8			Tr	97683			13	4	26	830	
456								0.4 cm qtz-py in w mo, no selv.		456						456					
457								0.8 cm qtz-py in w mo 0.3 cm env.					Tr								
458								0.1 cm qtz-py in w 0.3 cm env.		100											
459					weak			0.3 cm qtz-w-py v.		459						459	17	10		780	
460								0.1 cm qtz-py in w mo 0.2 cm env.					Tr	47684							
461								0.6 cm qtz-py in w env.									26	15	980	860	
462								0.8 cm qtz-py in w mo + 1/2 sph. + sil. min.		98.4						462					
463	weak				weak																
464								0.4 cm qtz-py in w mo, no selv, in 15 cm aplite dyke				15	Tr								
465																465					

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : 1/100 PROJECT : Hatsoff HOLE No. : 110-2  
 CASING COLLAR ELEV.: GROUND ELEV.: 2930.0m DATE STARTED : July 25/81 PAGE No. 32 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
465										46.1					46.5		12	11	740	
466							Quartz Porphyry (Qtz-Feld Porp). - large K-feld. phenos very common - mottled dk grey + pink										12	12	190	650
467							0.2 cm Qtz-py in w mo. H <sub>2</sub> O - K-feldspar clowbling 1/2 total feldspar - bio 5-10%, only weakly alt.			98.4	1.5			47685						
468							0.2 cm Qtz-py in									468				
469	very weak																			
470							468-471 : 5 Qtz-ser-py vms 3 Qtz-py vms													
471							0.1 cm Qtz-py in 0.3 cm chert aplite dykes @ 466.3-466.4 + 467.7-467.8 m			471.6						471	10	9	730	
472							1 cm Qtz-py in w no 0.2 cm chert 0.2 cm Qtz-py in smeared along a fracture w horn.										15	6	28	710
473																				
474							0.6 cm Qtz-ser-py in cuts a 0.3 cm Qtz									474				
475							0.1 cm Qtz-py in inreg. bed.			98.3										
476																				
477							- good porphyritic texture - overall pink colour - quite fresh hard.									477	15	10	800	
478							1.5 cm Qtz-ser-py in. - min 5% Qtz phenos			477.6										
479										98.2	1.5									
480							0.2 cm Qtz-py in.									480	22	8	26	830

COMPOSITE DRILL LOG

CORE SIZE : **NQ** SCALE : **1:100** PROJECT : **Hatsoff** HOLE No. : **H0-2**  
 CASING COLLAR ELEV. : GROUND ELEV. : **2930.0m** DATE STARTED : **July 25/81** PAGE No. **33** OF  
 COORDINATES : **11793 N. 12431 E.** DATE FINISHED : REF. TO CLAIM CORNER : **53 m @ 008°**  
 INCLINATION : **-90°** AZIMUTH : TOTAL DEPTH : LOGGED BY : **T. Pollock**

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOG	COMMENTS :	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	W <sub>3</sub>	Zn
480								0.2 cm qtz-py in w hem								480				
481								0.5 cm qtz-py in w hem												
482			locally weak					ser + hem.				1.5	Tr							
483			locally weak					- similar to above but local sections have a washed-out silicious look, here all bio is altered to sericite,			98.2					483				
484					mod-strong			Fracture in no coating												
485								- other core sections have plagiocl. to clay + appear to have a higher than normal												
486								Fracture in no coating												
487								0.1 cm qtz-py in w mag + hem, 0.5 cm env.												
488								- qtz-py was in hem + mag commonly,												
489								0.2 cm qtz-py in w hem + mag, 0.5 cm env.												
490								- good porphyritic texture, pinkish from hem stain to green white												
491								0.2 cm qtz-py in w mo,												
492																				
493								0.2 cm qtz-py in w hem + mag, no env.												
494								0.1 cm qtz-py in w mag cuts												
495								0.2 cm qtz-py in w mag, hem, 0.5 cm env.												
								- washed-out - drussy appearance												
								- hard, 3% bio,												
492																				
493																				
494								0.2 cm qtz-py in w hem + mag.												
495								0.3 qtz-py in w mo, no env.												

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsof* HOLE No. : *40-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *35* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53 m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS:	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERPICITE	CLAY	K-Feldspar	CHERTITE													Mo	Wb3	Zn	FI
510						weak			0.2 cm qtz-py in w mo							570	258	10	240		
511									Contact @ 20°												
512									51.9 to 57.5: Qtz-plag dyke, similar to above in fine diss mo, equigranular, fresh, hard, w mo, no env.		51.9	100	1.5%	.1	47693		7250	11	12	840	
513						weak			30-35% Qtz, 5% ser, < 1% mafic - 7/5 of total felds - k-feldspar.							513	290	16	830		
514									0.4 cm qtz-py in w mo, had env												
515									Fracture w mo, py coating. 0.9 cm qtz-py in w mo, had env.								120	7	15	790	
516									1 cm qtz-py in w mag + tr mo, 1 cm env.								516	124	20	790	
517									Parallel qtz-py in w mo, tr mag, hem, no env.												
518									0.2 cm qtz-py in 1 cm env w mag, hem								230	30	24	860	
519	weak					weak											519				
520																					
521									0.8 cm qtz-py-ser in w hem.												
522									Silicified Qtz Porphyry to Qtz Monzonite, - rock has a washed out siliceous look, hard, fresh, - bio varies from 1-7%, bio alt mainly by ser + minor chl. - occasional large K-feld phen.												
523																					
524									0.9 cm qtz-py in w hem, mag, no env.												
525									0.1 cm qtz-py in w mo, hem, mag, no env.												

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *36* OF  
 COORDINATES : *11793* N. *12431* E. DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	SILICA	SERICITE	CLAY	K-Feldspar													CHALCOPRITE	Mo	Wb3	Zn	Fl
525																525					
526								Quartz, Porphyry -5-10% bio, weakly alt by chly, ser tpy. -locally washed out look,		526.0	100	1-2%	Tr								
527					weak			0.8 cm qtz - py in m mo, mixed mag. 526-527 - diffuse qtz ms in mo common,													
528					weak			0.3 cm barren qtz m, no env. 0.3 cm qtz - py in m w gpp, no env.								528	59	13		660	
529											100										
530								0.2 cm qtz - py in m no, no env.					Tr	47697				9	8	26	590
531								1 cm qtz - py in m mag, hem tr cp, no env.		531.0								61	9		620
532																					
533								2 cm qtz - py in m w mo, hem, mag, 1 cm env. 0.2 cm qtz - py in m w mo, no env. 2 qtz - py in m w hemat mag	Qtz Porphyry - mag. Qtz Mag. -hard, quite fresh -0-8% bio Coccuris in much smaller flakes than in normal qtz mag.				.03	47698			140	9	37	570	
534								Fracture w mo, py coating. -this bio weakly altered by py, chly +ser.			91.3						534	85	9		610
535																					
536								0.9 cm qtz - py in m w mag + hem					Tr	47699				33	11	20	690
537					weak			Fracture w mo coating Fractures along thin qtz - py mo ms.		536.8							537				
538																					
539								0.2 cm qtz in m w mo, rock has pretty well lost its qtz porphyry texture, rock has a sil to creamy look, locally plag crystals			100		.08								
540								0.1 cm qtz in m w py hem, mag, mo, no env.	alt to clay								540				

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV.: GROUND ELEV.: *2930.0m* DATE STARTED : *July 25/81* PAGE No. *37* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS:	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	UO <sub>3</sub>	Zn
540																				
541							<i>Quartz Porphyry - Qtz Monzonite</i>													
542							<i>0.2 cm qtz - py in w mag, hbl, mb, no env.</i>	<i>- rock varies from a greenish white</i>												
543	<i>weak</i>	<i>weak</i>	<i>weak</i>		<i>weak</i>		<i>0.8 cm qtz - py in w mo, hbl, mag, sp, no env.</i>	<i>qtz porp. w no mafics to a</i>		<i>100</i>	<i>2-3%</i>	<i>Tr</i>		<i>47700</i>						
544							<i>0.1 cm qtz in w ma + py</i>	<i>homogeneous rock that is pink from</i>												
545								<i>fresh k-feldspar (secondary) + 5-8% bio (partially alt. to chl + ser.)</i>												
546								<i>- avg 3% of phg alt. to clay</i>												
547							<i>0.1 cm qtz - py in w mo, no env.</i>													
548							<i>1.5 cm qtz in w mo on edges, 1cm chl.</i>			<i>94.5</i>										
549							<i>0.3 cm qtz - py in w mag, mag sp no env.</i>	<i>Quartz Monzonite (fine bio)</i>												
550																				
551							<i>0.4 cm qtz - py in w mo, tr hbl, no env.</i>	<i>- 15% blk bio - different than</i>												
552							<i>1.5 cm barren qtz in.</i>	<i>usual because flakes are much</i>												
553							<i>0.5 cm qtz - py in w mo, mag, no env.</i>	<i>finer than usual</i>												
554							<i>0.5 cm qtz - py in w mo, mag, no env.</i>	<i>- fg - mg, regular amt of qtz + feld.</i>												
555							<i>0.3 cm qtz - py in w mo, no env.</i>													
556							<i>0.9 cm qtz - py in w tr mo, sph, 0.5 cm env.</i>													
557							<i>Un - fracture w mo.</i>													
558							<i>0.5 cm qtz - py in w mag, mo, hbl, 0.5 cm env.</i>	<i>552-555: 3 qtz - py in w</i>												
559							<i>2 cm qtz - py in w mo, mag, no env.</i>													
560							<i>0.3 cm qtz - py in w mo, no env.</i>													
561							<i>Fracture along 3cm</i>													
562							<i>qtz - py in w mo</i>													

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoft* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *38* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS:	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	Wb <sub>3</sub>	Zn
555																				
556							<i>Quartz Magnetite (Fine Biotite)</i>													
557							<i>0.8cm qtz-py in w mag, mo, hb, 0.5cm env.</i>													
558							<i>0.7cm qtz-py in w mag, hb, mb, 0.6cm env.</i>													
559							<i>1.5cm sheared + broken zone w qtz-py + mo</i>													
560							<i>0.5cm qtz-py in w mag, hb, hb, mb</i>													
561							<i>0.7cm qtz-py in w mo, mag</i>													
562							<i>0.1cm py in w mo, mag</i>													
563							<i>0.3cm gyp in w mo, mag</i>													
564							<i>0.1cm gyp in w mo, mag cut by gyp in</i>													
565							<i>0.2cm gyp in w mo, mag, hb, 0.5cm env.</i>													
566							<i>0.3cm qtz-py in w mo, mag, 0.2cm env.</i>													
567							<i>0.2cm qtz-py in w mo, mag, hb, 0.5cm env.</i>													
568							<i>0.4cm qtz-py in w mo, mag, hb, 0.5cm env.</i>													
569							<i>0.3cm qtz-py in w py, mag, hb, tr cp, 0.5cm env.</i>													
570							<i>0.5cm qtz-py in w mag, tr cp, 0.6cm env.</i>													

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *39* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED %	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
570								Quartz Monzonite (fine biotite)		570.3						570	24	32		970
571							0.7cm qtz-py m w mag, mag, tr, cp, no env.	- bio weakly altered by chl + epid.				15	.04	47705			26	90	120	840
572							0.5cm qtz-py m w sph, 1cm env.	- rare large feldspar phen												
573							0.6cm qtz-py m w mag, mo, hem, sed, 0.3cm chr.													
574							3cm sheared zone w py, qtz, mo, 12cm qtz m w mo, py, 1cm env.			98.7										
575							0.3cm qtz-py m w mo, tr mag, no mo.													
576							0.5cm qtz-py m w mag, no env.	576-579: 6 qtz-py ms (usually w mo & mag)									38	90		1110
577							0.9cm qtz-k-feldspar m w py, mag, 0.9cm env.	5 qtz-sr-py ms		576.7							10	17	67	1300
578							1cm qtz-py m ll to CA, w tr spl + gyp.													
579							1.3cm qtz-py m w mo, 0.5cm env.													
580							1cm qtz-py m w mo, 1cm env.			100										
581							qtz-py blk w mag, sph													
582							0.7cm qtz-py m w mo, mag, tr, hem, no env.	582-585: 14 qtz-py ms (many w mo)												
583							2cm qtz-py m w mo, gyp, no env.													
584																				
585							Contact @ 60° Diss. mo + weak stockwork of qtz-py-mo ms.	White - plaq-qtz dyke		101.6			.08	47707			77	13	41	1260

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *H0-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *40* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mg	WO <sub>3</sub>	Zn
585																				
586								0.8cm gty py in w mo, tr gty, 0.5cm env.												
587								Quartz Magnetite (fine biotite)												
588								- f.g.y dirty looking from the fine bio												
588								0.1cm gyp in cuts a 0.3cm gty-py in, no env. 3cm aphanitic k-feld. dyke.												
589								0.8cm gty-py in w mag, mo, tr sp, 0.7cm env.												
590																				
591																				
592																				
593								591-594: 4 gty-py ms 3 gty-ser-py ms												
593								0.7cm gty-k-feld. in w mo, 0.8cm env, 1.1cm aphanitic k-feld dyke cuts 0.7cm gty-py in w mag, mo, 0.2cm env.												
594								0.8cm gty-py in w mo, 0.1cm env.												
595																				
596								Fracture w mo coating												
597								0.7cm gty-py in w mag, mo, gty, 0.2cm env.												
598								Fracture coated w mo 0.2cm gty in w py, mo, no env.												
599								0.7cm gty-ser in w sph WO <sub>3</sub> , 1cm env.												
600								0.2cm gty in w mo no env.												

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *H0-2*  
 CASING COLLAR ELEV.: GROUND ELEV.: *2930.0m* DATE STARTED : *July 25/81* PAGE No. *41* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53 m @ 008°*  
 INCLINATION : *-80°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
600								Quartz Monzonite								600	Mo	WO <sub>3</sub>	Zn	FI
601							0.8 cm qtz - py in sil. minor tr mo.	- f.g. - mag. 10-15% bio, bio weakly chlorit.									63	38		1430
602							0.2 cm qtz in sil. mo, tr py, no lens.	alt. qtz 15%, homogeneous, relatively hard, fresh		44.3	22	Tr		47710			24	9	58	1400
603							0.4 cm qtz - py in sil. mag, mo, 0.5 cm env.	- rock has a dirty appearance.		60.3							603			
604													Tr							
605																				
606										98.1							34	23		1470
607							1.5 cm py - ser in													
608							0.2 cm py in sil. mo, 0.5 cm env.							47711			29	14	130	1500
609							0.3 cm qtz, py in sil. mo tr mag, 0.2 cm env.	609-612: 6 qtz - py in sil. mo, 5 py - ser - py in sil. mo		60.3							609			
610							0.2 cm qtz, in sil. mo, py, no env but rock has some plag.							Tr						
611							Sperry - Sun @ 609.6m Azimuth 26°, Inc. 86°													
612							rock is locally strongly broken,			95.6										
613							0.2 cm qtz in sil. mo + py no env cut by a 1 cm k-feld in sil. mo										47	23		1420
614							mo coated fracture.			61.3				47712			50	46	220	1500
615							2-0.2 cm py - mo in sil. mo, 1.0 cm split dyke in diss mo, tr sph, minor py.			96.8		.02					615			

COMPOSITE DRILL LOG

CORE SIZE : NP SCALE : 1:100 PROJECT : Hatsoff HOLE No. : HO-2  
 CASING COLLAR ELEV.: GROUND ELEV.: 2930.0m DATE STARTED : July 25/81 PAGE No. 42 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERPICITE	CLAY	K-feldspar	QUARTZITE													Mo	Wt	Zn	Fl
615								Quartz Monzonite									615				
616								0.4 cm qtz vn w py, mo, drag, 0.3 cm env.	- medium grained phase, approaching a salt & pepper texture, bio				26	04							
617								0.5 cm qtz vn w py, sph, mo, gyp, sil. min., 1.5 cm env.	weakly alt. to alt epid.												
618						weak		1 cm qtz - k-feldspar in w py + mo	614.3 - 4 cm qtz vn w mo, py wds, lens												
619						weak		0.5 cm qtz - ser py vn.	614.6 m! 0.7 cm qtz vn w py, sph, sil. min, gyp 1 cm env envs												
620								0.2 cm qtz - py vn w mo, 0.2 cm env.	a 0.3 cm qtz vn w mo, py, gyp. 0.3 cm env												
621									-619.4-619.5: pink splite dyke w mo, py, mag.												
622									-fresh, hard,												
623								0.2 cm qtz - py vn w mag, mo, 0.3 cm env.													
624																					
625								0.4 cm qtz - py vn w mo no envs													
626								1 cm qtz vn w sph, py 2 cm env.													
627						weak		0.4 cm qtz - py vn w mo, no env.													
628								1.2 cm qtz - py vn w mo, 4 cm env.													
629								0.6 cm py vn w, 3 cm env.													
630								0.3 cm qtz - py vn w mo, no env.													

COMPOSITE DRILL LOG

CORE SIZE : **NQ** SCALE : **1:100** PROJECT : **Hatsoff** HOLE No. : **140-2**  
 CASING COLLAR ELEV.: GROUND ELEV.: **2930.0m** DATE STARTED : **July 25/81** PAGE No. **43** OF  
 COORDINATES : **11793 N. 12431 E.** DATE FINISHED : REF. TO CLAIM CORNER : **53m @ 008°**  
 INCLINATION : **-90°** AZIMUTH : TOTAL DEPTH : LOGGED BY : **T. Pollock**

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	W <sub>2</sub> O <sub>3</sub>	Zn
630																130	282	14		1020
631							0.8 cm gt, m <sub>2</sub> mo, py, mag, sph. 0.8 m env.	Quartz, Magnetite												
632							1cm gt-py in m <sub>2</sub> mo, 1.5 cm env.	-m.g. phase to fine bio phase			98%	65	Tr	477/5						
633							0.6 cm gt, v <sub>2</sub> m <sub>2</sub> mo, py, no env.	-locally gt, phenos present as is local clay alt. of plg.												
634							0.5 cm gt, v <sub>2</sub> m <sub>2</sub> mo, no env.													
635							0.7 cm gt-py v <sub>2</sub> m <sub>2</sub> mo, no env.	633-636: 6 gt, v <sub>2</sub> m <sub>2</sub> mo												
636							20 cm clay alt + broken zone.	4 gt - ser-py												
637							0.3 cm gt-py m <sub>2</sub> mo, mag + h <sub>2</sub> o, 0.2 m env.													
638							0.2 cm gt, m <sub>2</sub> mo, py, no env.													
639							0.8 cm gt-py m <sub>2</sub> mo, mag + h <sub>2</sub> o, 10.2 m env.													
640							0.2 cm gt, m <sub>2</sub> mo, py, no env.													
641							0.8 cm gt-py m <sub>2</sub> mo, mag + h <sub>2</sub> o, 10.2 m env.													
642							0.8 cm gt-py m <sub>2</sub> mo, mag + h <sub>2</sub> o, 10.2 m env.													
643							0.8 cm gt-py m <sub>2</sub> mo, mag + h <sub>2</sub> o, 10.2 m env.													
644							0.8 cm gt-py m <sub>2</sub> mo, mag + h <sub>2</sub> o, 10.2 m env.													
645							0.2 cm gt-py v <sub>2</sub> m <sub>2</sub> mo, 0.5 m env.													

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : 1:100 PROJECT : Hatso H  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 HOLE No. : 40-2  
 COORDINATES : 11793 N. 11243 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Block

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mg	WO <sub>3</sub>	Zn	Fl
645							Quartz Magnetite	0.3 cm qty vms ma + py								645					
646							- dirty - pink colour, biotite partially altered to chl.														
647							- 2% qtz phenos, fg - mg,	0.4 cm qty vms w ma + py, 0.2 cm env.			98.3		Tr								
648					weak			1.2 cm qtz - sph in w py, tr hb in 2cm env.		648.3						648	43	25		1300	
649																					
650																					
651																					
652								0.5 cm qtz - py vms ma, mag, 0.5 cm env.			98.3		Tr								
653								0.3 cm qtz - py vms ma, sph, 0.5 cm env.													
654								0.6 cm qtz - py vms ma, 0.3 cm env.													
655								0.3 cm qtz - py vms ma, 0.7 cm env.													
656								1cm qtz - py vms ma, hem, sp, 0.5 cm env.													
657								Contact @ 20°													
658								0.3 cm qtz - py vms sph, 1cm env.													
659								Qtz - Biotite - Feldspar Porphyry Dyke - matrix vfg. - black, 10% feldspar phenos, 10% black bio phenos, occasional qtz phenos - matrix mainly plag, K-feldspar (25%) + bio. - dyke has many hairline white vltz.			100		Tr								
660								0.8 cm qtz - py vms sph, hld, tr sil. min.			96.6		Tr								

COMPOSITE DRILL LOG

CORE SIZE : NP SCALE : 1:100 PROJECT : Hatzoff HOLE No. : 40-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 PAGE No. 45 OF  
 COORDINATES : 11793 N. 11243 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (m)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS:	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS				
	SILICA	SERICITE	CLAY	K-Feldspar	CALORITE													Mo	WO <sub>3</sub>	Zn	Fl	
660									1.5m qtz, m in py, m mag, m hem. Contact sharp @ 15°.								660	68	12	1350		
661									2cm qtz-py m mag, m hem, 2cm env.			2%		F	47720		661	125	13	100	1450	Cl 105 Ag 0.2
662									1.5m qtz-py m mag, m hem, 1cm env. ← this m cut by a v-f.g., aplite dyke, pink.			9.6					662					
663									0.3cm qtz-py m mag, m hem, 0.5cm env.								663					
664									1.3cm qtz-py m mag, m hem, 2cm env.								664					
665									0.1cm qtz-py m mag, m hem, 0.5cm env.								665					
666									0.5cm qtz-py m mag, m hem, 0.5cm env.								666	174	15		1400	
667									666-669: 7 qtz-py m mag, m hem, 3 qtz-ser-py m.								667	46	20	140	1200	
668																	668					
669																	669					
670									0.8cm qtz, m in mag, py m env. Contact ± 90°.								670					
671									0.4cm qtz-py m mag, m hem, 0.2cm env.								671					
672									0.3cm qtz-py m mag, m hem, 0.2cm env.								672	172	17		1330	
673									Contact sharp @ 40°.								673					
674									Quartz Monzonite - locally minor plg clay altered.								674	220	11	77	1550	
675									0.3cm qtz-py m mag, m hem, 0.2cm env.								675					0.035%

COMPOSITE DRILL LOG

CORE SIZE : *N9* SCALE : *1:100* PROJECT : *Hatso ft* HOLE No. : *1402*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *46* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	W <sub>3</sub>	Zn
675																				
676							Quartz Monzonite			685.7	1.5					675				
677							0.5 cm qtz-py m <sub>2</sub> w gyp, 2 cm env.	- m.g., fresh, hard, bio. weakly alt. to chlorite,					Tr							
678							1 cm qtz m <sub>2</sub> w sph + mo, 2 cm env.									678	197	18	1170	
679							0.1 cm qtz-py m <sub>2</sub> mo + gyp, no env.			95.0			Tr	47723			70	19	80	1250
680							0.1 cm qtz-py m <sub>2</sub> w mo, no env.									681	0.012%			
681																				
682							1.5 cm pink aplite m w tt mo.			681.8			Tr							
683							0.5 cm qtz-py m <sub>2</sub> w gyp, 0.3 cm env.													
684							0.8 cm qtz-py m <sub>2</sub> w tr sph, mb, gyp, 10 cm env.	locally good salt & pepper texture, m.g. qtz porphyry.								684	347	20	1020	
685										95.0			Tr	47724			63	25	150	720
686																				
687							687.7m - 696.0m: rock has diss mo, rock varies in colour, locally looks like qtz monzonite other spots is like a qtz porphyry - green in colour, 5% mafics, hard, fresh, occasional large k-fold. pheno.									687	0.012%	513	17	1020
688							Mo coated fracture.													
689													0.35	47725			>250	16	74	1100
690							0.3 cm qtz-py m <sub>2</sub> w mo no env.			96.7						690	0.080%			

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoft* HOLE No. : *H0-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *47* OF -  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53 m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS:	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
690							2 cm gtz m w tr py + mo, no env.									690				
691																				
692																				
693							0.2 cm gtz - py m w mag, hard, fmo,									693				
694																				
695																				
696							0.2 cm gtz - py m w mo, 0.3 cm env.									696				
697							0.2 cm gtz - py m w mo, no env.													
698							0.3 cm gtz - py m w mo, no env.													
699							0.5 cm gtz m, no env.									699				
700																				
701							0.5 cm gtz m w py no env.									701				
702							0.2 cm gtz m w mo, py, no env.									702				
703							0.2 cm gtz m w py w mo, no env.													
704																				
705							0.5 cm gtz m w mo + tr py, 0.5 cm env.									705				

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-1*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *48* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION , : *-90°* AZIMUTH : TOTAL DEPTH : *m* LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	SILICA	SEQUESTITE	CLAY	K-Feldspar													CHALCOPRITE	Mo	WO <sub>3</sub>	Zn	FI
705							Mo coated fracture along a 2cm g <sub>2</sub> - 10m.									705	58	13		1220	
706							Mo coated fracture.	Quartz Monzonite			98.4										
707							2-0.2m g <sub>2</sub> -py ms in mo, 0.3m env. - weak salt + pepper texture - m.g.; hard, fresh				15.6	Tr		47728			72	12	55	1250	
708							0.8m g <sub>2</sub> in 5 py, sph, WO <sub>3</sub> - 2cm env. - comp similar to above,														
709							0.8cm g <sub>2</sub> -py in w mo, mag, hem 0.5cm env. < this in offset by fracture (reverse) @ 15°.				100	Tr									
710								708-711: 5 g <sub>2</sub> -py ms													
711							0.4cm g <sub>2</sub> in w sph, 2cm env. 5 g <sub>2</sub> -ser-py ms										711	58	12		1250
712							0.6cm g <sub>2</sub> -py in w WO <sub>3</sub> , 1.5cm env.														
713							2cm g <sub>2</sub> in w mo, 8YPI PY 1cm env.				72.2	Tr		47729			47	14	43	1200	
714							0.4 g <sub>2</sub> in w mo, py, 0.3cm env.														
715							1cm g <sub>2</sub> -ser in w py, mo, 1cm env. 5% of plaq phenos are clay altered.				95.3						714				
716							avg 0.5cm g <sub>2</sub> in stockwork w mo, py. - occasional large (1cm <sup>2</sup> ) pink K-feld. phenos. hematite stain common														
717							1cm g <sub>2</sub> in w mo, minor py + mo, 0.7cm env. Mo coated fracture 1cm g <sub>2</sub> in w ser, mo, & sph				76.6	Tr					717	62	13		1090
718																					
719							no coated fracture washed out, drussy look				77.8	Tr		47730			54	9	58	1300	
720											95.5										

COMPOSITE DRILL LOG

CORE SIZE : *NQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *49* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : *m* LOGGED BY : *T. Pollock*

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS				
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	W	Zn	Fl
720																720					
721							<i>0.5 cm qt. with py</i>										720	<i>67</i>	<i>11</i>	<i>1150</i>	
722					<i>weak</i>		<i>mo, mag, hem, rhomb.</i>	<i>- bio 15%, weakly chloritized</i>										<i>85</i>	<i>15</i>	<i>50</i>	<i>760</i>
723					<i>weak</i>		<i>mo coated fracture.</i>	<i>- local clay alt of plag</i>													
724																					
725																					
726							<i>1.7 cm qt. - py with</i>														
727							<i>minor ha, mag, mo, km env.</i>														
728							<i>0.1 cm gyp with w / cm env</i>	<i>- approaching regular m.g. phase</i>													
729							<i>minor qt, in stockwork w mo</i>														
730							<i>0.7 cm qt. with sph t</i>														
731							<i>0.3 cm qt. with py, hem,</i>	<i>- plag. is weakly altered to clay.</i>													
732							<i>mo, mag, 0.4 cm env.</i>	<i>- the rock has been silicified</i>													
733							<i>hardline qt. - mo in</i>	<i>along fracture with.</i>													
734							<i>Fracture with minor mo</i>														
735																					

COMPOSITE DRILL LOG

CORE SIZE : N4 SCALE : 1:100 PROJECT : Hatsof  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 HOLE No. : HO-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : J. Pollock

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	W	Zn
735							Quartz Monzonite									735	Mo	W	Zn	Fl
736							0.2m qtz-mo in - m.g. occasionally has patches of fine bio.				12					735	87	17		1170
737							0.2m qtz-mo in gyp py - Comp: 10% bio relatively unaltered									737	140	23	45	1300
738							0.2m qtz-mo in - 20% qtz - 75 of feldspar k-feldspar				12.2					738	97	17		1140
739							0.5cm gouge zone to gyp, cal + black gouge. - homogeneous, quite hard.									739				
740							no coated fractures									740				
741							where altered plag is altered to soft white clay, qtz increases to = 30% black bio is altered bio.									741	87	19	39	960
742							0.2cm qtz-mo in - qtz-mo inls are common, trace									742				
743							0.8cm qtz-mo in py diss mo.									743				
744							hairline qtz-mo in 735-738: min 3qtz-mo inls/m.									744				
745							0.3cm qtz-mo in - qtz-mo inls have no alt. envelopes									745				
746																746				
747							0.1cm qtz-mo in Fracture along ad in									747				
748							gyp on the next									748				
749							0.5cm qtz-mo in. 744.8-745.1m: qtz-plag-ser dyke in									749				
750							0.5cm qtz-k-feld. in diss mo.									750				
							0.1cm qtz-mo in													
							1.5cm qtz-k-feld. in cuts - many of the qtz-mo inls are													
							9 0.1cm qtz-mo in. - some													
							0.4cm qtz-mo in, 0.4cm cav. - chloritization of bio is present													
							0.1cm qtz-mo in. where the rock has not been													
							0.4cm qtz-mo in, no cov. alt. to clay or as no drussy look													
							fracture in partial no coating.													

COMPOSITE DRILL LOG

CORE SIZE : SCALE : 1:100 PROJECT : Hatsoff  
 CASING COLLAR ELEV.: GROUND ELEV.: 2930.0m DATE STARTED : July 25/81 HOLE No. : H0-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mg	WO <sub>3</sub>	Zn
750							Quartz monomite									750				
751							1.8 cm v.f.g. st-plag m - mag, salt & pepper texture, no no.													
752							0.3 cm st, va in pyrox - large (avg len) feld phenos quite common.			101.7	12	Tr								
753							0.4 cm dnd 0.2 cm st - mo m - weak diss mag, no, trace diss ro													
754							2-0.1cm st-mo m in 6cm st-plag dyke.			752						753	49	11		1100
755							0.2 cm st-mo m. no coated fracture													
756							0.3 cm st-mo m w py.			92.9				47736						
757																				
758							0.2 cm st-mo m. 0.2 cm st-mo m.			754										
759										92.6										
760							0.2 cm st-mo m.			757										
761																				
762							Fracture along 0.2 cm st-py m w thom, mag, mo.			759										
763							0.2 cm st-mo m.			97.6										
764																				
765										762										

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : *Hatsoff* HOLE No. : 140-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : *July 25/81* PAGE No. 52 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	Wb3	Zn
765																765	53	12	1180	
766							2-0.1 qtz-mo in either side of a v.g. qtz-ser field dyke - <i>Quartz Monzonite</i>									766	42	11	45	1150
767							0.3 cm qtz-mo in w py. partially alt. to saussurite									767				
768							0.5 cm gouge, mainly chl. - where plag alt. bio alt. buny									768				
769							0.4 cm qtz-mo in									769				
770							0.6 cm pt-py mo to hem, mag, 0.6 cm env.									770				
771							0.9 cm qtz-mo in alteration of plag to clay + bio to ser (?) weak to moderate									771	53	15	1320	
772							0.7 cm qtz-py mo mag, hem, ep, 1cm env.									772	68	14	38	1200
773							0.2 cm qtz-mo va, no env.									773				
774							3.5 cm clay-chl gouge hairline no mts.									774	122	17	1400	
775							0.1 cm qtz-mo in									775	48	20	78	1600
776							1 cm qtz-mo va.									776				
777							0.5 cm qtz-py mo, 1cm env altered m.g. qtz monzonite,									777				
778							0.9 cm qtz-py mo to hem, mo, mag, 1cm env. 777-780 m: 10 ptz-mo ms.									778				
779							0.3 cm qtz-py mo mag, hem, mo, ep.									779				
780																780				

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1/100 PROJECT : Hatsoff HOLE No. : H0-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25 1981 PAGE No. 53 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : J. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	Wb	Zn
780								1.7cm qtz in py, mo, minor								780	174	17	1480	
781	weak							0.9cm qtz - py in mo + hem, low cov. - mg. pale green colour from 10cm zone of qtz, ser-mo, minor py altered plagi.		97.5	12	0.2				780				
782	moderate							no coated fracture cuts 2 hairline large field phenos common, no mltz. - the rock has suffered		98.2						782	17	26	1400	
783	moderate							Alum qtz - mo in some silicification from the 0.6 cm qtz in cuts + offsets v. ring		98.3						783	181	14	1400	
784	weak							0.5cm qtz - mo in, minor py + hem.								783				
785	moderate							0.3cm qtz - mo in py, hem		96.5		0.15				785	225	13	50 1450	
786								1cm qtz in py. 783-786 - min 17 qtz - mo vms		96.6						786				
787								1cm pink aphanitic dyke in no on contacts								786				
788																786				
789								0.1 cm qtz - mo in. gtz - mo vms, max 0.1cm		96.7		0.05				789	127	12	1170	
790								- mg. large feldspar phenos common - where the rock has not been alt								789				
791	locally weak							0.2cm qtz - mo in partially to clay ± minor silicification bio is weakly alt to chl + epid.								791	87	13	35 1350	
792	locally weak							0.2cm qtz - mo in. local hematite stain, may present								792				
793								2-0.3 cut gtz - mo va. where only prophyllitic alt exists								792				
794								0.3cm qtz - mo in offset by no coated fracture		96.7						794				
795								3cm aphanitic cream dyke in diss mo.								795				

COMPOSITE DRILL LOG

CORE SIZE : Bφ SCALE : 1:100 PROJECT : Hatsoff HOLE No. : 140-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 PAGE No. 54 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m E 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (m)	ALTERATION					COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar	CHLORITE										Mo	WO <sub>3</sub>	Zn	Fl
795						Quartz Monzonite								795	70	13		1020
796						2-0.3cm gt-mo ms			220			47743			69	11	32	720
797						local weak gt-mo stockworks.				.02				798				
798																		
799																		
800						Contact @ 35° 1cm gt-mo w 319 mo, 799.45-801.05m: Quartz - Biotite - Feldspar 0.5cm gt-mo w py, mag, tr mo. Porphyry Dyke. Contact @ 33°			97.1		.01							
801														801	67	14		950
802						0.2cm gt-mo va 6cm of sec-py zone w hem, hdy, cp.			80.8			47744			54	15	40	990
803						0.2cm gt-mo va 0.3cm gt-mo m w py, mag.								804				
804						0.5cm gt-mo w tr mo, 319 py, hem, 0.5cm en.												
805						804-807: 7 gt-mo ms			100									
806																		
807						0.3cm gt-py m w mo, mag, phan			80.5					807	67	15		1040
808						0.3cm gt-mo va.												
809						0.2cm gt-mo sec m w py, mag.			92.3			47748			77	16	42	1150
810														810				

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff HOLE No. : HD-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2920.0m DATE STARTED : July 25/81 PAGE No. 55 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m LOGGED BY : J. Pollock

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar	CHLORITE													Mo	WO <sub>3</sub>	Zn	Fl
810									0.1 m qtz - mon. Quartz Monzonite								810				
811									0.2 m qtz - mon. m.g. phase, large feld. phases quite common, 10-15% bi partially alt. to chl.			1%	Tr								
812									0.5 m qtz - mon w hem, mag, horn.			93.7									
813						weak			0.3 m qtz - mon, mon. - contains fine diss hem, mag, - quite hard, 20% qtz.								813	79	14		1100
814																					
815									1 m qtz - mus. w w tr ms, 1 cm cov.					Tr	47749			70	14	39	990
816									813-816: 10 qtz - mon ms max 0.2 cm.								816				
817									0.3 m qtz - mon w pp.					Tr							
818									0.5 m qtz - mon w mus, py 0.6 cm cov.												
819																					
820									0.3 m qtz - mon.												
821									0.4 m qtz - py w w mag, horn, ms, 0.3 m qtz - mon.					Tr	47750			90	12	36	1150
822						weak															
823									0.3 m qtz - mon					Tr							
824													1%								
825									30 cm qtz - ss zone w sph + nio								825				

COMPOSITE DRILL LOG

CORE SIZE : **BQ** SCALE : **1:100** PROJECT : **Hatsoff** HOLE No. : **#0-2**  
 CASING COLLAR ELEV.: GROUND ELEV.: **2930.0m** DATE STARTED : **July 25 1981** PAGE No. **56** OF  
 COORDINATES : **11793 N. 12431 E.** DATE FINISHED : REF. TO CLAIM CORNER : **53m @ 008°**  
 INCLINATION : **-90°** AZIMUTH : TOTAL DEPTH : LOGGED BY : **T. Pollock**

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldsp	CHLORITE													Mo	W <sub>2</sub> O <sub>3</sub>	Zn	Fl
825									0.3 cm gty-mo m								825	Mo	W <sub>2</sub> O <sub>3</sub>	Zn	Fl
826									0.2 cm gty-mo m									71	19		1200
827	locally weak								0.5 cm gty-mo m w 0.2 cm clay gouge									62	29	150	1200
828	locally weak								2-0.2 cm gty-mo m												
829	weak								0.4 cm barren gty m												
830									Cuts a 0.4 cm gty-py m w sph, mo, & sil. min.												
831									0.3 cm gty-mo m w py.												
832									0.3 cm gty-mo m w py.												
833									0.3 cm gty-mo m w py.												
834									0.3 cm gty-mo m w py.												
835									0.3 cm gty-mo m w py.												
836									0.3 cm gty-mo m w py.												
837									0.3 cm gty-mo m w py.												
838									0.3 cm gty-mo m w py.												
839									0.3 cm gty-mo m w py.												
840									0.3 cm gty-mo m w py.												

COMPOSITE DRILL LOG

CORE SIZE : SCALE : 1:100 PROJECT : Hatzoff  
 CASING COLLAR ELEV.: GROUND ELEV.: 2130.0m DATE STARTED : July 25/81 HOLE No. : HO-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : - 90 AZIMUTH : TOTAL DEPTH : m LOGGED BY : T. Pollack

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn	Fl
840																840					
841							0.6 cm gt-py in 5 sph, gyp, sil. min, lim env.	Quartz, Montmorillonite		840.9											
842							0.6 cm gt-mo in 5 py	-mg, hard, locally weak salt & pepper texture, bio weakly alt. to chl, dis mag,			12	.03									
843							0.1 cm gt-mo m	sph in lms + envelopes common 10-15% bio, k-feldspar phenos (large) common,									843	102	17	870	
844																					
845																					
846							0.6 cm gt-mo m	843-846: 19 gt-mo m									846				
847							2-0.6 cm gt-k-feldspar in s														
848							cut a py-mo m, ms here 1.5m env.														
849							0.7 cm gt-mo m														
850							2-1cm pink k-feldspar														
851							3.5 cm gt-ser-py in 5 sph	849-852: 12 gt-mo m													
852							cuts a 0.1 cm gt-mo m														
853							4cm gt-k-feld in w tr sph plus														
854							Fl, sph, py.														
855							0.2 cm gt-mo m														
856							4cm pink gt-k-feld. m														
857							beside this a 0.5 cm gt-mo m.														
858																					
859							0.1 cm gt-mo m.														
860							2-0.2 cm gt-mo m														

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hetsoff HOLE No. : 140-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 PAGE No. 58 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	W <sub>3</sub>	Zn	Fl
855							0.5 cm qtz - py in mag. Quartz Monzonite									855	108	23		890	
856							0.5 cm chv. 0.1 cm qtz - mon.														
857							0.2 cm qtz - mo m. - good salt & pepper texture starting to show up.					1.5	Tr				53	38	17	920	
858							1 cm qtz - k-feldspar m. fresh looking & hard, 15% bio - weakly alt. to chl.				100										
859							0.2 cm qtz - mo m. 1-2% diss mag, trace horn 20% qtz - locally almost porphyritic form														
860							0.3 cm qtz - ser-py m. qtz phenos - 1/3 of field - k-feldspar						Tr								
861							2 cm qtz - py in mag 4 cm hard 858-861: 4 qtz - mo m s											93	22		930
862							0.9 cm qtz - ser-py m. 9 qtz - ser - py m s														
863							0.6 cm qtz m in mo, sph + ser, 1 cm env.											120	15	165	880
864																					
865							0.2 cm qtz - mo m. 0.5 cm qtz in mag, sp, ser														
866							1.5 cm qtz m in mag, py, mag, sp, no env.														
867							0.5 cm qtz - ser m														
868							- salt & pepper texture, k-feld. phenos up to 2.5 x 3 cm.														
869							0.4 cm qtz - mo m 0.3 cm qtz - mo m														
870																					



COMPOSITE DRILL LOG

CORE SIZE : Bφ SCALE : 1:100 PROJECT : Hatsoff HOLE No. : HO-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 PAGE No. 60 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS				
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn	Fl
885							Qtz Monzonite										Mo	WO <sub>3</sub>	Zn	Fl	
886							0.2cm gtz-ser-py m														
887				weak			2-0.2cm gtz-mo mns 1m fracture coated in chl + hem.				98.4	12	Tr								
888				weak			0.1cm gtz-mo m py											70	104	1340	
889				weak																	
890				weak			1cm gtz m w ser, mo, py, 1.5cm env.							47762				52	13	115	1050
891																					
892							1.5cm gtz-ser-py m strong salt + pepper texture gtz heavy from here, fresh looking hardy, b/c weakly chloritized.					97.8	Tr								
893																					
894							0.5cm gtz m w minor mo,														
895							0.1cm gtz-mo m, 0.5cm gtz-py m w 1.5cm env w sph,							47763				94	12	475	920
896				weak																	
897																					
898				locally weak			where salmon pink k-feldspar exists salt + pepper texture is lost.														
899							no coated fracture 1cm gtz-mo m														
900							0.3cm gtz m w mo, k-feld, rag, hem, py. 0.2cm qpp m														

COMPOSITE DRILL LOG

CORE SIZE : *BQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *NO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *61* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53M @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar	CHLORITE													Mo	WO <sub>3</sub>	Zn	Fl
900									0.8 cm gtz-ser m to py + r hem + mo.		900					900	71	12		820	
901									0.2 cm gyp m cuts a 0.3 cm m. g. phasing large white feld phos			12	Tr	47764		902	66	14	171	790	
902									0.1 cm gtz-mo m. common, generally good salt + pepper texture, fresh + hard,							903					
903									1.5 cm gtz-ser-py m, 2 cm gtz-ser-k-fld, chl env. bio weakly alt. to chl-epid. - occasional gyp m.		98.4		Tr			906					
904																					
905																					
906									0.2 cm gtz-mo m.		906.5					906	95	15		800	
907									0.3 cm gtz-mo m.												
908									0.3 cm gtz m to mo, ser.				Tr	47765		909	54	10	30	760	
909									0.1 cm gyp m. Fluorine (purple) in patches begins here.												
910									0.2 cm gtz-mo-ser m. - where much salmon pink k-feld spar present → diss mo + mo mltz + much fl.												
911									0.5 cm gtz m to mo, fl.												
912									0.3 cm gtz-ser-py m.												
913									1 cm gtz-ser-py m to mo, no env.		100					912	220	16		820	
914									0.2 cm gtz-mo m.												
914									1.2 cm gtz m to fl, mus., no env.												
914									1.5 cm gtz-ser-py m.												
915									0.4 cm gtz m to dr mo, 1.5 cm env to k-fld, ser, fl, py.		914.9					915	165	22	250	860	

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hartsoft  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 HOLE No. : HO-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : J. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
915							Quartz Monzonite									915	235	14		850
916							0.3 cm gty in w to mo. m.g. hard, fresh, mottled pink-black, diss mag.													
917							10-15% bio., bio unaltered except where potassic alt present then bio				12			47767			7250	15	78	850
918							0.3 cm gty-mo in, ser+py alt. to ser+py. fluorine ends here.			98.2						918	0.044%			
919							0.3 cm barren gty in			98.7										
920							0.1 cm gty-mo in.	915-918 - 9 gty mss some w mo												
921							0.1 cm gty-mo in. 0.2 cm gty-mo in.			96.2						921	199	12		850
922							0.2 cm gty-mo in.			92.1										
923							0.3 cm gty-mo in 0.3 cm gty-mo in w py. 1.2 cm gty-ser-py in.	chloritization of biotite continues, fl present where potassic alt. occurs.						47768			100	6	56	890
924							0.4 cm gty in w 0.5 cm env w ser-py, gty to mo.			95.6						924				
925							0.5 cm gty in w ser, mo, py, 0.5 cm env			96.0										
926							0.4 cm gty in w mo, py			93.3						927	70	12		870
927							0.4 cm gty in w py, musc.			92.5										
928							0.3 cm gty in.			100										
929										100				47769			54	14	26	850
930										100	52					930				

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED :  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m HOLE No. : H0-2  
 PAGE No. 63 OF REF. TO CLAIM CORNER : 53m @ 008°  
 LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar	CHLORITE													Mo	WDS	Zn	FI
930									2-0.1 cm gty-mo ms								930				
931									Beginning @ 931m good salt & pepper textures begins												
932									0.1 cm gty-mo m		100	12%	Tr								
933									0.4 cm gty-mo m w fl								933	62	13		860
934									0.3 cm gty m cuts w offsets												
935									a 0.1 gty-mo m		100		Tr	47770				55	15	38	930
936									0.2 cm gty-mo m.												
937									936-939: 7 gty-mo ms												
938									0.1 cm gty-mo m.												
939									0.2 cm gty-py m 5 mo, 0.6 cm env												
940									0.2 cm gty-mo m.												
941									0.5 cm gty-mo m w 0.3 cm syp m cuts a 0.1 cm gty-mo m.												
942									diss. mo on side of core.												
943									0.1 cm gty m.												
944																					
945									1.3 cm gty m w mo, py												
									0.2 cm env.												
									1.3 cm gty-s-cr-py m.												

COMPOSITE DRILL LOG

CORE SIZE : 130 SCALE : 1:100 PROJECT : Hatsoff HOLE No. : 40-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 PAGE No. 64 OF 11  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS						
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mn	Mo	W03	Zn	Fl	
945							0.5 cm qtz - ser-py m	945									75	12		840			
946							0.2 cm qtz - ser-py m. cuts a 0.1 cm qtz - no m.	946				12	Tr										
947					very weak		ser filled fracture @ 45 cm qtz - k-feld. env.	947						47772						73	12	58	900
948					weak			948			98.3												
949					mod, locally strong		0.3 cm qtz, m w py no, ser.	949			98.5												
950					mod, locally strong		0.1 cm qtz - no m.	950			99.3		Tr										
951					mod, locally strong		0.7 cm qtz, m w py, mag, km ser along edges.	951			91.6												
952					mod, locally strong		3 - 0.1 cm qtz - no m.	952			100												
953					mod, locally strong		0.3 cm qtz - ser-py m w no, mag, km.	953					Tr	47773									
954					mod, locally strong			954			94.1												
955					mod, locally strong		0.6 cm qtz, m plus mag, py, km, 0.3 cm env.	955															
956					mod, locally strong		0.5 cm qtz, m w py, mag, k-feld, ft. 0.5 cm qtz, m w gyp, km, ser	956															
957					mod, locally strong		0.5 cm qtz, m w 0.5 cm env w mo. 4 cm potassic zone in th, diss mo.	957			100												
958					mod, locally strong			957-960: 5 gtz - no m 4 gtz - ser-py m															
959					mod, locally strong									47774									
960					mod, locally strong		0.3 cm qtz - no m w py	960			100		Tr	47774									

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 HOLE No. : H0-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Block

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGU	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar	CHLORITE													Mo	W <sub>3</sub>	Z <sub>1</sub>	F1
960								Qtz-sr-py ms in mag.	Quartz Monzonite		960	12	Tr			960	Mo	W <sub>3</sub>	Z <sub>1</sub>	F1	
961								3-0.1 cm qtz-mo ms.	-m.g. phase, large fld.		961										
962								0.8 cm qtz-mo m.	pheno common,		962										
963								2 cm gtz-sr-py m.	-locally strongly broken, commonly where there is zoned k-feldspar		963						11	9		720	
964								0.4 cm qtz m in fl, mo	gtz-sr-py ms much more common than over the last 200m.		964										
965								0.6 cm dens.			965										
966								0.9 cm pt m in k-fld, mag, py, mo			966										
967								8 cm ap. l. dyke			967										
968								0.5 cm gtz m in mo.			968										
969								1 cm gtz m in k-fld, mo.			969										
970								0.3 cm gtz-mo m.			970										
971								0.3 cm gtz-mo m.			971										
972								0.3 cm gyp m.			972										
973								0.3 cm gtz-mo m.			973										
974								0.7 cm gtz-k-feld m in tr gyp, mo.			974										
975								1.5 cm gtz m in mo, fl, 0.6 cm cov.	970-972: drussy, locally crumbly strongly broken.		975										
								0.5 cm gtz m in mo plus py.			976										
								1 cm gtz-py m in mo, horn, mag			977										
								0.3 cm gyp m.			978										
								0.3 cm gtz-mo m.			979										
								0.7 cm gtz-k-feld m in tr gyp, mo.			980										
								1.5 cm gtz m in mo, fl, 0.6 cm cov.	972-975: 4 gtz m in mo 5 gtz-sr-py m 2 gtz-py m		981										
								0.2 cm gtz-mo-py m.			982										
								0.2 cm gtz-py m in mag.			983										

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoft HOLE No. : HO-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 PAGE No. 66 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar	CHLORITE													Mo	WB <sub>3</sub>	Zn	Fl
975									0.3 cm qtz-py in w ser.								975	98	8	660	
976						moderate			0.1 cm qtz in w 0.1 cm env.			1.5					975	105	8	550	
977						moderate			0.1 cm qtz-ser-py in cuts a 0.2 cm qtz-mo in								975				
978						moderate			2 cm qtz in w k-feld along contacts tr py.								978				
979						moderate			0.6 cm qtz in w mo, py, mag, 0.3 cm env.								978				
980						moderate											978				
981						moderate											981	72	7	760	
982						moderate			0.4 cm qtz-py in w mag, 981-984: 9 qtz-ser-py in 4 qtz in w mo.								981	50	8	910	
983						moderate											981				
984						moderate											981				
985						moderate			0.2 cm qtz in w ser, py.								984				
986						moderate			0.3 cm qtz-mo in.								984				
987						moderate			0.5 cm qtz-mo in.								984				
988						moderate			1 cm qtz in w py, mo, mag, fl. 0.3 k-feld. env.								987	80	15	850	
989						moderate			0.1 cm py in w ser, qtz, 0.3 cm env.								987				
990						moderate			0.4 cm qtz-py in w mag, 0.6 cm env.								987	61	5	830	
						moderate			1.5 cm qtz-mo, py in.								987				

COMPOSITE DRILL LOG

CORE SIZE : *B4* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *40-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *67* OF  
 COORDINATES : *11793* N. *12431* E. DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	W <sub>2</sub> O <sub>3</sub>	Zn	Fl
990							0.1 cm gyp in.	Quartz Monzonite								990					
991							0.1 cm gty - py in w 0.3 cm env.	-m.g., good salt pepper texture, hard, fresh, large feldspar				120	Tr								
992							0.8 cm gty in, 0.5 cm env cuts	phenos, common, locally weakly porphyritic from gty phenos.													
993							a 0.2 cm gty in w no									993	170	16		830	
994							0.6 cm gty in w ser, mo, py, mag, no env														
995							0.7 cm gty in w py, k-feld, mo, fl, mag						Tr	47780			995	130	32	5	810
996							0.4 cm gty in w py + fl cuts														
997							a gty - ser - py in.														
998							4 cm gty in w py, mo, fl, mag	minor k-feldspar, no env, rather othshoots.									998				
999							0.3 cm gty - no in.														
1000							0.1 cm gty - no in.														
1001							0.1 cm gty - no in.														
1002							0.1 cm gty - no in.														
1003							0.3 cm gty in w mag, 0.3 cm env.										1002	0.032%			
1004																					
1005							0.7 cm gty - k-feld. in w mo, fl,														
							0.3 cm at - ser - no in.														

COMPOSITE DRILL LOG

CORE SIZE : B9 SCALE : 1:100 PROJECT : Katsoff  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 HOLE No. : HO-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53 n @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILOX	SERICITE	CLAY	K-feldsp													CHLORITE	Mo	WO <sub>3</sub>	Zn
1005							0.2 cm qtz-ser-pym.	Quartz Monzonite								1005	142	9	80	
1006								- weakly porphyritic from qtz phenos.			2%	Tr		47782			32	10	19	870
1007							0.2 cm qtz-ser-py va.	- large k-feldsp phenos common.												
1008							0.3 cm qtz-pym w 0.6 cm env.									1008				
1009							1 cm qtz w k-feld, py, mo, fl													
1010								1008-1011: 6 qtz-mo ms					Tr							
1011							0.6 cm qtz-pym w mag, ma	3 qtz-ser-py ms												
1012							0.2 cm qtz-mo w 2 cm env.									1011	54	11	900	
1013							0.3 cm qtz-mo w py						Tr	47783			74	7	30	850
1014							0.3 cm qtz-mo va.									1014				
1015							0.9 cm qtz w mo, fl, py						Tr							
1016																				
1017							1.3 cm qtz-pym, 2 cm env, tr ma	approaching a qtz porphyry in place, weak hematitic stain.								1017	205	14	925	
1018							0.2 cm qtz-mo va.						Tr	47784			62	16	30	970
1019							0.4 cm gyp.													
1020																1020				

COMPOSITE DRILL LOG

CORE SIZE : *BQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *HO-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : *2930.0m* DATE STARTED : *July 25/81* PAGE No. *69* OF  
 COORDINATES : *11793* N. *12431* E. DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar	CHLORITE													Mo	W <sub>2</sub> O <sub>3</sub>	Zn	Fl
1020									5cm qtz-ser-py un <sup>w</sup> mo. <i>Quartz Monzonite - Qtz Porphyry</i>								1020	179	15	930	
1021			<i>mod</i>						7cm qtz un <sup>w</sup> mo, 1cm env.												
1022			<i>weak</i>						0.5cm qtz-ser-py un <sup>w</sup> cal, mo, <i>-rock is approaching a qtz porphyry with qtz phenos, slight loss of bio, loss of salt &amp; pepper texture.</i>			<i>1%</i>	<i>.05</i>	<i>47785</i>			1022	<i>&gt;250</i>	<i>18</i>	<i>46</i>	<i>950</i>
1023			<i>very weak</i>						1cm qtz un <sup>w</sup> mo, py, K-feld. <i>porphyry with qtz phenos, slight loss of bio, loss of salt &amp; pepper texture.</i>								1023	<i>2048%</i>			
1024									0.2cm qtz-mo m.												
1025									0.2cm qtz-mo m.												
1026									1023-1026m: 4 qtz-mo m 9 qtz-ser-py un <sup>w</sup>												
1027									0.4cm qtz un <sup>w</sup> ser-py 1.2cm qtz un <sup>w</sup> mo, py, mag								1026	187	13	910	
1028									clay alt. zone has all feldspar white + very soft, w a stock work of qtz un <sup>w</sup> , all mafics alt. to ser, 22px								1027	40	12	33	880
1029									0.2cm qtz un <sup>w</sup> mo.												
1030									1cm qtz un <sup>w</sup> ser-py, mo, weak pot. alt. 1/1cm.								1029				
1031			<i>mod</i>						fracture w minor mo.												
1032			<i>weak</i>						fracture w good mo. <i>weak porphyritic texture</i>												
1033									0.2cm qtz-mo m.												
1034									1032-1035 : 5 qtz un <sup>w</sup> mo 10 qtz-ser-py un <sup>w</sup>								1032	37	10	80	
1035									2-0.5cm qtz un <sup>w</sup> mo, minor fl, py, ser, pot. alt. env.								1035	42	8	36	780

COMPOSITE DRILL LOG

CORE SIZE : *BQ* SCALE : *1:100* PROJECT : *Hutsoff* HOLE No. : *H0-2*  
 CASING COLLAR ELEV.: GROUND ELEV.: *2930.0m* DATE STARTED : *July 25/81* PAGE No. *70* OF  
 COORDINATES : *11793 N. 12431 E.* DATE FINISHED : REF. TO CLAIM CORNER : *53m E008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : LOGGED BY : *J. Block*

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERPENTINE	CLAY	K-feldspar													CHLORITE	Mo	WO3	Zn
1035																1035				
1036																				
1037																				
1038																				
1039																				
1040																				
1041																				
1042																				
1043																				
1044																				
1045																				
1046																				
1047																				
1048																				
1049																				
1050																				

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatzoff  
 CASING COLLAR ELEV.: GROUND ELEV.: 2930.0m DATE STARTED : July 25/81 HOLE No. : 140-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED %	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mg	Wb <sub>3</sub>	Zn
1050							0.2 cm qtz-mo m.									1050	73	19	90	
1051							0.3 cm qtz-mo m w py, mag, H, mo.	Quartz Monzonite m.g. good salt + pepper												
1052							0.3 qtz-ser-py m w fl, 0.1 cm env.	extreme, hard fresh,			15	Tr		47790			52	10	28 940	
1053							0.5 cm qtz-mo m w K-feldspar, tr fl.	large fld. phenos quite												
1054							2-0.5 cm qtz-ser-py m	common, diss mag,												
1055							0.1 cm qtz-ser-py m, 0.8 cm env.	bro. very weakly replaced by chl + py.												
1056							0.2 cm qtz m w py, mo, 0.8 cm env.													
1057							0.1 cm qtz-mo m w py.													
1058																				
1059							0.9 cm qtz-ser-py m													
1060							0.5 cm qtz m w mo, py, mag K-feldspar.													
1061							0.1 cm qtz-mo m.	1059-1062 : 7 qtz-ser-py m. 2 qtz m w mo.												
1062																				
1063							0.7 cm qtz-mo m.													
1064							0.3 cm qtz-mo m	Rock is a mixture of K-feldspar + sericite												
1065							0.3 cm env.	w py, fl, qtz plus minor unaltered bio.												
							0.4 cm qtz m w mo, py, ser.	plus sph.												
							0.5 cm env.													

COMPOSITE DRILL LOG

CORE SIZE : **BQ** SCALE : **1:100** PROJECT : **Hatsoff** HOLE No. : **140-2**  
 CASING COLLAR ELEV. : GROUND ELEV. : **2930.0m** DATE STARTED : **July 25/81** PAGE No. **72** OF  
 COORDINATES : **11793 N. 12431 E.** DATE FINISHED : REF. TO CLAIM CORNER : **53m @ 008°**  
 INCLINATION : **-90°** AZIMUTH : TOTAL DEPTH : LOGGED BY : **T. Pollock**

DEPTH (M)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
1065							7cm gty-ser-py in cuts a 0.2cm gty-mo in.									1065	Mo	WO <sub>3</sub>	Zn	Fl
1066							Quartz Monzonite - similar to above. - .5% diss mag.				1.5%	Tr								
1067							- increase in mo here													
1068																1068	645	9		930
1069							0.2cm gty-mo in.													
1070							1.3cm gty-mo in w py.	1068-1071m: 3 gty-mo in 3 gty-ser-py in						47793		1070	7250	7	32	900
1071							1.4cm gty in w py, mo, mag, fl. - in changes into pink gty-plag-k-feld in	- good large gty-mo in here								1071	0.060% 1027	6		80
1072							0.3cm gty-mo in.													
1073							1.5cm gty in w mo, py, mag													
1074							0.3cm gty-mo in.													
1075							0.1cm gty-mo in.													
1076							0.5cm gty-ser-py in, weak pot. alt. env.													
1077							0.3cm gty-mo in, 3cm gty-k-feld env, bio alt. to chl.													
1078							0.6cm gty in w mo, py, mag, k-feld, fl.													
1079							0.3cm in of fl, py, mo, 0.5cm k-feld env.	very weakly porphyritic from gty phenos,												
1080							peg. patch in mo, fl.	rock has been strained,												
1081							0.1cm gty in w py, ser, 0.6cm gty-k-feld. env.	gty phenos are broken & rock has weak												
1082							0.8cm gty-musc-py in w 1.5cm envs w tr sph.	foliations.												
1083							0.4cm gty in w 0.2cm env then 1cm pot. alt. env.													
1084							7cm gty-ser-py in, minor k-feld. @ contacts.													
1085							0.2cm gty in w ser + py plus mo weak pot. env.													



COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 HOLE No. : 40-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 808°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED %	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar	CHLORITE													Mo	WDS	Zn	Fl
1095									Quartz, Monzonite							1095	Mo	WDS	Zn	Fl	
1096									weakly porphyritic, from gty phenos, large feld. phenos common,												
1097									1.3 cm gty in w mo, py, 0.9 cm pot. env. basically salt & pepper textured. - k-feld alteration around fractures			5%	Tr								
1098									0.2 cm gty in w tr mo. ± gty in s containing mo. - diss mag., - generally fresh & hard.							1098	947	19		920	
1099														47802							
1100									1 cm gty in w mo, py, fl, 1 cm pot. env.												
1101									0.3 cm gty in w mo, py mag, 0.5 cm env.							1101	0.116%				
1102									0.7 cm gty in w py, mo, tr sph.												
1103									0.5 cm gty - mo in w py, 0.5 cm pot. env. cuts a 0.1 cm gty - mo in.												
1104									0.3 cm gty - musc in, 0.6 cm pot. env. 0.2 cm gty - mo in.												
1105									fracture along gyp in w mo.												
1106									1 cm gty in w tr py, mag, fl, 0.4 cm pot. env.												
1107									0.5 cm gty in w py, musc.												
1108									0.2 cm gty - mo in.												
1109									0.3 cm gty - sr in w sph.												
1110									0.1 cm gty - mo in.												
									0.1 cm gty - mo in.												
									2-0.2 cm gty - mo in s												

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Watson  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930m DATE STARTED : July 25/81  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED :  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH :  
 HOLE No. : 40-2  
 PAGE No. 75 OF  
 REF. TO CLAIM CORNER : 53n 0008°  
 LOGGED BY : J. Pollock

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar													CHLORITE	Mo	WO <sub>3</sub>	Zn
1110							0.3 cm gty - py m in sph, 1 cm gty - ser - ent. 2-0.2 cm gty - mo mns 1.3 cm gty m in mo, py, sph, mag, ty 0.1 cm gty - mo m									1110	122	34		920
1111							Quartz Monzonite - salt & pepper textured, - m.g., weakly porphyritic, - larger white to pale pink feld. phenos common.				12	02		47804			120	75	1400	1000
1112							0.1 cm gty - mon m, mns.													
1113							1110-1113m 6 gty, mns in mo 9 gty - ser - py mns									1113				
1114																				
1115							1 cm gty - k - fld. m.													
1116																				
1117																				
1118							- generally good salt & pepper texture - weakly porphyritic							47805			106	16	40	790
1119							2.5 cm barren gty, m in w 1 cm env in mo, <sup>mag</sup> then 1 cm weak put. alt. 1.2 cm gty - k - fld. w mo, py, mag. Fracture in mo.									1119				
1120							1 cm gty - k - fld m w 0.9 cm env in mo.													
1121																				
1122																				
1123							2-0.1 cm gty - mo mns in py k sph, some pot. alt in mo. 0.2 cm gty - mo m.									1122	89	27		870
1124							2 cm zone of gty, ser - py - k - fld. 3 cm gty - ser - py m.							47806			100	20	100	770
1125																1125				

COMPOSITE DRILL LOG

CORE SIZE : **BQ** SCALE : **1/100** PROJECT : **Hatsoff** HOLE No. : **140-2**  
 CASING COLLAR ELEV. : GROUND ELEV. : **2930.0m** DATE STARTED : **July 25/81** PAGE No. **76** OF  
 COORDINATES : **11793 N. 12431 E.** DATE FINISHED : REF. TO CLAIM CORNER : **53m @ 008°**  
 INCLINATION : **-90°** AZIMUTH : TOTAL DEPTH : LOGGED BY : **T. Pollock**

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS: First appearance of beryl.	AVG. CORE RECY/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS					
	SILICA	SERPENTINE	CLAY	K-Feldspar	CHLORITE													Mo	WO <sub>3</sub>	Zn	Fl		
1125									0.1cm gty - mo in w ser.								1125						
1126									Quartz, Monzonite mg. salt and pepper texture				12										
1127									0.5 cm gty - ser - pyrox, some pot alt.					Tr									
1128									0.2 cm gty - mo in w py 1cm gty - k-feld in w fl + py	1125-1128m: 3 gty - mo in w							1128	97	290		1810		
1129									1cm gty in w fl, mo, k-feld, ser, 1.5cm potassic alt in ser env.														
1130									3.5cm gty - ser - py in 2.5cm gty - py in w mo, beryl, cal, fl, sph, 3cm env in mo.	129.6m - 0.5cm WO <sub>3</sub> in w py cal. 2cm env.			2.5	.03				1131	62	7800	150	1050	
1131									1cm py in w ser, gty, mo, lam env														
1132									0.8cm gty in w sph, lam env.	129.5 → : rock has been well altered, much gty - ser - py, large pink k-feld K <sub>2</sub> 's common								1131	177	290		1970	
1133									0.2cm gty - mo in 1.5cm gty in w py, sph, fl	plg alt. to ser.											Ag		
1134									1.5cm gty in w sph, py, fl, WO <sub>3</sub> , silic, lam env in sph.					.07				1134	130	50	1300	3600	2.5
1135									0.3cm gty - ser - py in w mo. 0.3cm gty - mo in									1134	170	33		1970	
1136									1cm gty - py in w beryl, ser - mo, 2cm gty - ser - py env. in mo.									1137	7250	25	40	1250	
1137									1.5cm gty - ser - py in	- weakly to moderately porphyritic								1137	0.0349%				
1138																							
1139									0.2cm gty in w mo, py, ser 5-0.2cm gty - mo in w	rock has a drussy look, diss mag - 3%								1139					
1140																							

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 HOLE No. : 140-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar	CHLORITE													Pb	WB	Zn	FI
1140									Quartz Monzonite - mag. drusy							1140	155	32	1300		
1141																					
1142																					
1143									0.1 cm gyp in.												
1144									Fracture in no.												
1145									0.1 cm gyl-mam. 0.2 cm stz-mam. 0.1 cm gyp in to lam env to no.												
1146																					
1147									Several fractures in no. Fracture coated in no.												
1148									strongly broken, rock has a mottled green + pink colour, plag is pale green & slightly softer than granod, bio altered to all where secondary K-feld present.												
1149									0.9 cm gyl-py in WB, no.												
1150									no coated fracture fracture coated in no.												
1151									0.8 cm gouge zone in gyp + clay.												
1152																					
1153									no coated fracture 0.1 cm gyl-mam.												
1154									locally porphyritic from gyl phenos.												
1155																					

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : *Habsoft* HOLE No. : *H0-2*  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : *July 25/81* PAGE No. *78* OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : *53m @ 008°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : m LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar	CHALCOPRITE													Mo	Wb <sub>3</sub>	Zn	Fl
1155								Quartz Monzonite								1155					
1156																					
1157																					
1158								0.4cm glt-mw mo. white + pink) common, 0.1cm glt-mo m. - 0.3 Zn diss pent mag. - weak salt + pepper texture from pink - k-feldspar.								1158					
1159																					
1160								0.2cm glt-mo m w 1155-1158: 3 glt-mo ms py mag phen, lim pot. env. 4 glt-sec-py ms.								1160					
1161								0.5cm glt-k-feld m w mo, lim glt-sec-py env.								1161					
1162																					
1163								0.3cm glt-m w mo 0.1cm glt-m w sph + Wb <sub>3</sub> , 1.5cm glt-sec env.								1163					
1164																1164					
1165								0.1cm glt-sec-py m, 0.6cm env.								1165					
1166																1166					
1167																1167					
1168																1168					
1169																1169					
1170								0.3cm glt-mo-py m. 0.2cm fl, py, sph m w lim pot. env.								1170					

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff HOLE No. : 110-2  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 PAGE No. 79 OF  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : REF. TO CLAIM CORNER : 53m @ 008°  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m LOGGED BY : J. Pollock

DEPTH (m)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE NO.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS			
	SILICA	SERICITE	CLAY	K-feldspar	CHLORITE													Mo	WO <sub>3</sub>	Zn	FI
1170									Quartz Monzonite								1170	39	22	910	
1171									0.4 cm qtz, m <sub>2</sub> mo, fl, py, 0.3 cm pot. env.												
1172									0.1 cm qtz - mo m.	similar to above		1.5	Tr	47815				80	15	60	830
1173									0.7 cm qtz m <sub>2</sub> fl, ser, mo, py, 1 cm pot. env.	mainly salt & pepper texture											
1174									0.5 cm qtz - py m <sub>2</sub> mo, fl, 1 cm env.												
1175									0.2 cm qtz - ser - py m.	1170-1173: 5 qtz, m <sub>2</sub> mo											
1176									0.3 cm qtz, m <sub>2</sub> py, ser, mo, fl, 0.5 cm pot. env.	5 qtz - ser - py m <sub>2</sub>											
1177									1 cm qtz - ser - py m <sub>2</sub> mo, fl, 0.8 cm pot. env. w mo												
1178									0.3 cm qtz - py m <sub>2</sub> sph, wds.												
1179									0.2 cm qtz - k-feld. m <sub>2</sub> py, mo, ser.												
1180																					
1181									2 cm qtz - k-feld m <sub>2</sub> to mo.												
1182									3 cm qtz - ser - py m	small pink apite m <sub>2</sub>											
1183									2 cm aplite dyke, pale pink	common.											
1184									3 cm pink apite m <sub>2</sub> cuts a 0.1 cm qtz - mo m.												
1185									1.5 cm qtz m <sub>2</sub> py, fl, sph, sil m <sub>2</sub> . cuts a 0.1 cm qtz - mo m.												
1186									2-2 cm pink apite m <sub>2</sub>												
1187									14 cm pink apite dyke												

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930.0m DATE STARTED : July 25/81 HOLE No. : 110-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : Aug 5/81 PAGE No. 80 OF 82  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m REF. TO CLAIM CORNER : 53m @ 008°  
 LOGGED BY : T. Pollock

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar	CHLORITE													Mo	WO <sub>3</sub>	Zn	Fl
1185								Quartz Monzonite								1185					
1186								1.5cm gtz-k-feld. in w/ft, 1cm env.				5									
1187								0.1cm gtz - no m.	aplite dykes + ms cut gtz - no ms.												
1188								4cm pink aplite m.	1185-1188- 2 gtz ms 5 m.							1188	95	18		710	
1189								0.5cm gtz-ser py m	6 gtz-ser py ms												
1190								0.3cm gtz-no m	1 aplite m.								478/B	48	13	50	650
1191																					
1192								0.4cm gtz-py m, 0.9cm env.													
1193								1.5cm gtz-k-feld m w py, ms, 1cm env	fracture in trace ms.												
1194								0.3cm gtz-no m w py, 0.5cm pot env.													
1195																					
1196								0.5cm gtz-ser-py m.													
1197								1cm gtz m w no, py mag, k-feld, tr cp, 0.5cm pot. env.													
1198								1.5cm gtz-k-feld-ser m.													
1199								0.1cm gtz-no m.													
1200								0.1cm gyp m.	← strong hematite stain.												

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : 1:100 PROJECT : Hatsoff  
 CASING COLLAR ELEV. : GROUND ELEV. : 2930 DATE STARTED : July 25/81 HOLE No. : HO-2  
 COORDINATES : 11793 N. 12431 E. DATE FINISHED : Aug. 5/81 PAGE No. 81 OF 82  
 INCLINATION : -90° AZIMUTH : TOTAL DEPTH : m REF. TO CLAIM CORNER : 53m @ 008°  
 LOGGED BY : J. Pollock.

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS				
	SILICA	SERICITE	CLAY	K-Feldspar	CHALCOPRITE													Mo	WO <sub>3</sub>	Zn	FI	
1200								Quartz Monzonite								1200	48	12		890		
1201																						
1202								0.5cm qtz-ser m, 0.5cm pot. env. texture, weakly porphyritic from				5	NR		47820		1202	54	15	40	950	
1203								0.5cm qtz m w py, ser, tr ma, 0.3cm rounded qtz phenos. 1cm qtz-ser-py m, 0.5cm pot. env. fresh, hard,									1203					
1204																						
1205																						
1206								1.5cm qtz - k-feld, musc m. 1.5cm qtz m w k-feld, fl, musc, tr ma 0.5cm potassic alt. env.									1206	39	12		1020	
1207																						
1208								20cm qtz - prop. dyke.										1208	28	8	45	910
1209								2-0.5cm qtz - ser-py ms.														
1210																						
1211								0.2cm qtz - ser-py m. 0.3cm qtz - mo m. 0.5cm qtz - ser-py m.														
1212								1212-1215m: 6 qtz - ser-py ms. 2 qtz - mo ms.														
1213								0.3cm qtz - mo m.										1212	25	10		980
1214								3cm qtz - ser-py m.														
1215								7cm qtz - ser-py m w fl.														

COMPOSITE DRILL LOG

CORE SIZE : *BQ* SCALE : *1:100* PROJECT : *Hatsoff* HOLE No. : *H0-2*  
 CASING COLLAR ELEV.: *2930.6* GROUND ELEV.: *2930.0m* DATE STARTED : *July 25/81* PAGE No. *82* OF *82*  
 COORDINATES : *11743* N. *12431* E. DATE FINISHED : *Aug. 5/81* REF. TO CLAIM CORNER : *53 m @ 808°*  
 INCLINATION : *-90°* AZIMUTH : TOTAL DEPTH : *1219.5 m* LOGGED BY : *T. Pollock*

DEPTH (M)	ALTERATION					FRACTURING	MINERALS	GEOLOGY	COMMENTS :	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	% ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (M)	ASSAYS			
	SILICA	SERICITE	CLAY	K-Feldspar	CHLORITE													Mo	WO <sub>3</sub>	Zn	F1
1215									3cm qtz in w py, sph, fl, silicified 1.5cm env.							1215					
1216									0.5cm qtz in w py, fl. 1cm qtz-py in w mo, 2cm env.			5									
1217									1.3cm qtz-ser-py in w 0.6cm pot env.												
1218									0.5cm qtz-py in sph, 3cm env. 3cm pink qtzite in, 2cm qtz-ser-py env.							1218					
1219															47823						
1220									End of Hole 1219.5 m							1219.5	10	9	40	840	