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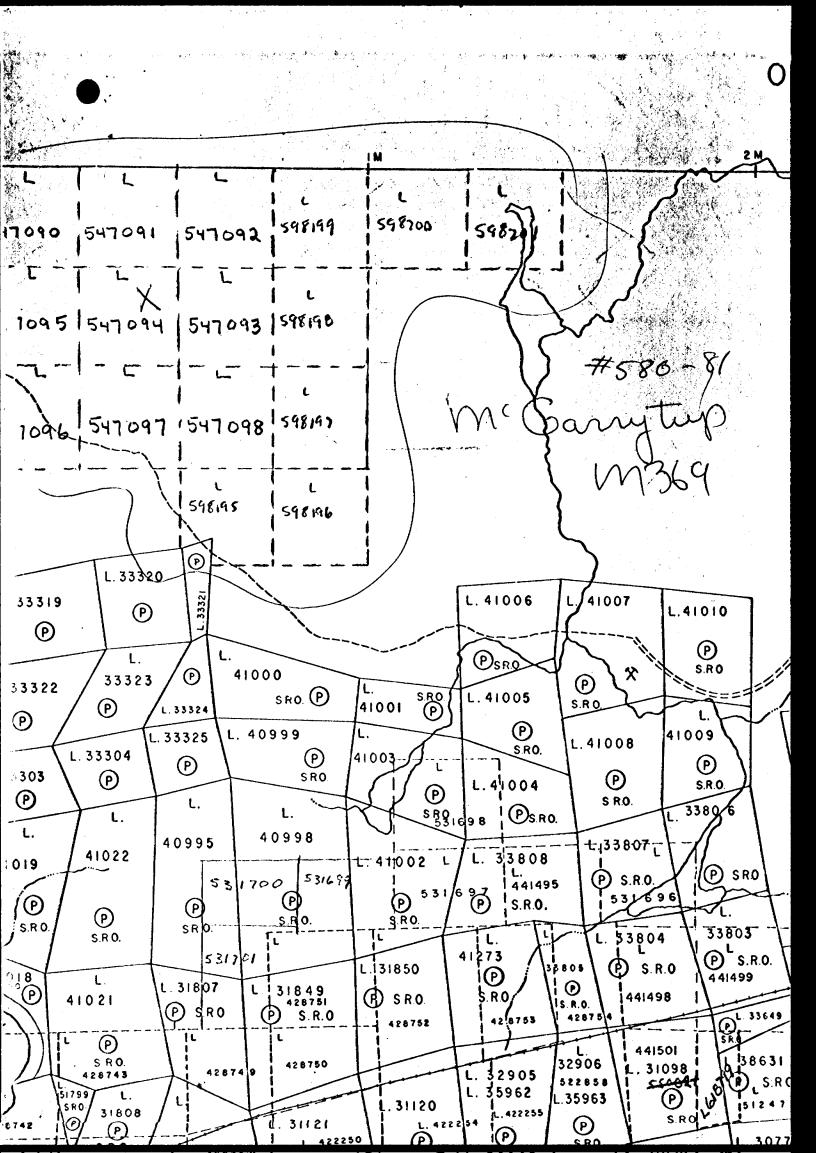
TOWNSHIP: McGarry

REPORT No.:

WORK PERFORMED BY: Noranda Exploration Co. Ltd.

CLAIM No.	HOLE No.	FOOTAGE	DATE	NOTE
ь 547094	81 - 1 81 - 2	436.0 401.0	June/81 June/81	(1) (1)
	-	-		(1)
	2	837'		

Notes: (1) #580-81



LATITUDE	2+00S					
DEPARTURE _	1+00E	-	TESTS DEPTH	DIP	MAGNETIC BEARING	CORRECTED
ELEVATION _	surface	_	300'	-53°		
BEARING	N30°E	.				
DIP AT COLLA	AR47°	•				
			TOTAL D	EPTH OF H	OLF	436'

FOO	TAGE					ASS	SAYS		·	C	ORE LENG	гн
FROM	то	DESCRIPTION	SAMPLE NO.	AU OZ	AG OZ	% CU	% ZN	% NI		FROM	то	ACC. WIDTH
0 .	12	CASING					_		_			
12	13.5	RHYOLITE: dark grey to black, weakly porphyritic; 5-10% white sub-										
_		hedral phenorysts 0.01" to 0.05" long in aphanitic groundmass; a				-			·			
		few qtz and py amygdules (<3%) 0.05-0.1" diameter.										
		- fine chloritic strgs at 30° to core; fine silica-filled fractures										4
		at all angles.										\$
13.5	26.3	DIORITE DIKE: dark green-grey, porphyritic; 40% hornblende and										
		pyroxene phenocrysts in a very fine grained groundmass of feldspar										
		and chloritic ferromagnesium minerals; rare irregular reddish										
<u>.</u>		siliceous patches; weakly magnetic, tr py; upper contact at 30°										
(10.0 - 1		to core axis; lower contact obscured by strong silicification with										
) 		epidote, minor py and hematite.								٠٠٠ ميو		
•	CONTRACT	TOR BENOIT DIAMOND DRILLING		LOG	GED BY	list	2 5/1	Brown				

PROPERTY McGarry 1-79

F00	TAGE					ASS	AYS			C	ORE LENG	ГН
FROM	то	DESCRIPTION	SAMPLE NO.	AU OZ	AG OZ	% CU	% ZN	% NI	4	FROM	то	ACC. WIDTH
26.3	47.7	RHYOLITE: as above; brecciated by pale green qtz-epidote-chlorite	,									
		stringers up to 2" wide and by a network of very fine silica and										
		chlorite filled fractures; 1-3% py and minor calcite in stringers;										
		coarse fragments show bleached pale green rims. Alteration	<u>.</u>									
•		strongest from 26.3 to 40.3'.										
												
47.7	64.4	DIORITE DIKE: as above; minor epidote as thin stringers and fine										
		dissem. patches; lower contact at 20° to core axis.										
64.4	202.0	RHYOLITE: as above; strong epidote alt'n only within 5" of diorite				-						
		contact; minor epidote, tr py in seams throughout the section;										
•		numerous slips at 55° to core axis.										
		97-101' - moderate biotite alteration (brownish coloured porphy-										
		ritic rhyolite).										
		118' - increasing silica-epidote alt'n.						-				
		126.0-128.5 - strong grid fracturing (closely spaced qtz-calcite										
		fractures at 80°-90° to core axis).										
	·	131-168.5 - rock begins to appear andesitic-dark grey, higher										

PROPERTY McGarry 1-79

F00	TAGE					ASS	AYS			, c	ORE LENGT	гн
FROM	то	DESCRIPTION	SAMPLE NO.	AU OZ	AG OZ	% CU	% ZN	% N1	į,	FROM	то	ACC. WIDTH
		mafic content, softer than rhyolite, fine grained equigranular; no							*.			
		definite contacts.										
		168.5-174.0 - pale green, highly altered to silica, epidote;										
		slightly brecciated; grid fracturing.										
		174.0-183.0 - highly altered porphyritic rhyolite; numerous										
		stringers of chlorite + epidote with 1-3% py.										
		191-200 - strong biotite alt'n, 1-3% py in strgs.										
202.0	251.2	DIORITE DIKE: reddish-green, medium grained equigranular; 50%			-							
		euhedral hbld-bio., 50% pale green subhedral feldspar; reddish										
		tint is not uniform but occurs in bands and patches - apparently										
•	·	a late addition (K20?); rare coarse phenocrysts of hbld; moderately								-		
		magnetic; epidote occurs in thin fractures throughout.										
251.2	436.0	RHYOLITE: as above.										
·		260-275 - moderate biotite alt'n, 1-3% py-po in chloritic strgs.										
		275-288 - silica, epidote, chlorite alteration; pale green alter-										
		ation haloes around fine sulfide stringers; minor magnetite in stre	s.									

PROPERTY _____McGarry 1-79

FOO	TAGE					ASS	AYS			C	ORE LENGT	гн
FROM	то	DESCRIPTION	SAMPLE NO.	AU OZ	AG OZ	% CU	% ZN	% NI	4	f FROM	то	ACC. WIDTH
·		314-327 - appears andesitic; higher mafic content (biotite,							1.	,		
	·	chlorite), very few faint feldspar phenocrysts; probably an alter-									·	
		ation feature as the lower contact with porphyritic rhyolite is		,								
		not sharp (90° to core axis).				-						
	-	343-357 - moderate biotite alteration with occasional coarse										
		patches and stringers of py-po.										
		269-372.5 - slightly brecciated, silicified qtz-carb-chlorite					ļ.					
		stringer zone; trace fine dissem. py.										
		374-432 - sections of strong biotite alteration with irregular	-									
-		stringers of up to %" nearly massive py-po and rare magnetite										
		stringers up %" wide. Generally the rock is non-porphyritic and										
•	,	appears dacitic-dark green, very fine grained; numerous slips at										
		35° to core.										
		Strongest magnetite-epidote-biotite alteration is from 400' to										
		412'.										
•	436.0	END OF HOLE.					,					
										,		

HEET	NO.	5	of	5	

PROPERTY McGarry 1-79

FOO	TAGE					ASS	AYS			C	ORE LENG	тн
FROM	то	DESCRIPTION	SAMPLE NO.	AU OZ	AG OZ	% CU	% ZN	% NI	4	; FROM	то	ACC. WIDTH
		NOTE: In dd holes McG 81-1 to McG 81-6 "RHYOLITE" may be							1.			
		silicified andesite; "PORPHYRITIC DIORITE" may be a more										
		equigranular phase of porphyritic andesite.										
		•										
												<u> </u>
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J												
				-								

LATITUDE_	4+30S	_				
DEPARTURE	0+75E		TESTS		MAGNETIC	CORRECTED
ELEVATION	surface		350°	-53°	BEARING	BEARING
BEARING	N30°E		 			
DIP AT COL		_				
			TOTAL	DEPTH OF H	101 F 4	01'

TOTAL DEPTH OF HOLE -

McGarry 1-79 PROPERTY L-547094 CLAIM NO. McG 81-2 HOLE NO. AQ CORE SIZE June 20, 1981 STARTED. June 22, 1981 FINISHED.

AGE					ASS	SAYS			C	ORE LENGT	гн
то	DESCRIPTION	SAMPLE NO.	AU OZ	AG OZ	% CU	% ZN	% NI		FROM	то	ACC. WIDTH
20	CASING										
76.4	PORPHYRITIC DIORITE: dark grey, weakly magnetic; 30-40% white										
	feldspar phenocrysts 0.05" to 0.1" long; 20% dark green to										
	black hornblende phenocrysts 0.1" to 0.2" long; tr py; near lower										
	contact are stringers of red-tinted feldspar with epidote in frac-										
	tures; appears nearly equigranular medium grained in places.										
	•										
180.7	PORPHYRITIC ANDESITE: dark grey-brown, very weakly magnetic; 40-50	\$									
	hornblende + pyrox. phenocrysts largely altered to chlorite and										
	diorite; 5-10% white feldspar phenocrysts; tr py.										
	76.4-90 - 3-5% coarse patches of epidote.										
	103.0-134.3 - altered zone-silicified with moderate biotite										
	alteration; numerous bleached silicified stringers and patches of										
	brown fine grained biotite with 1% py-po; strongest biotite										
	76.4	TO 20 CASING 76.4 PORPHYRITIC DIORITE: dark grey, weakly magnetic; 30-40% white feldspar phenocrysts 0.05" to 0.1" long; 20% dark green to black hornblende phenocrysts 0.1" to 0.2" long; tr py; near lower contact are stringers of red-tinted feldspar with epidote in fractures; appears nearly equigranular medium grained in places. 180.7 PORPHYRITIC ANDESITE: dark grey-brown, very weakly magnetic; 40-50% hornblende + pyrox. phenocrysts largely altered to chlorite and diorite; 5-10% white feldspar phenocrysts; tr py. 76.4-90 - 3-5% coarse patches of epidote. 103.0-134.3 - altered zone-silicified with moderate biotite alteration; numerous bleached silicified stringers and patches of	TO 20 CASING 76.4 PORPHYRITIC DIORITE: dark grey, weakly magnetic; 30-40% white feldspar phenocrysts 0.05" to 0.1" long; 20% dark green to black hornblende phenocrysts 0.1" to 0.2" long; tr py; near lower contact are stringers of red-tinted feldspar with epidote in fractures; appears nearly equigranular medium grained in places. 180.7 PORPHYRITIC ANDESITE: dark grey-brown, very weakly magnetic; 40-50% hornblende + pyrox. phenocrysts largely altered to chlorite and diorite; 5-10% white feldspar phenocrysts; tr py. 76.4-90 - 3-5% coarse patches of epidote. 103.0-134.3 - altered zone-silicified with moderate biotite alteration; numerous bleached silicified stringers and patches of	TO 20 CASING 76.4 PORPHYRITIC DIORITE: dark grey, weakly magnetic; 30-40% white feldspar phenocrysts 0.05" to 0.1" long; 20% dark green to black hornblend phenocrysts 0.1" to 0.2" long; tr py; near lower contact are stringers of red-tinted feldspar with epidote in fractures; appears nearly equigranular medium grained in places. 180.7 PORPHYRITIC ANDESITE: dark grey-brown, very weakly magnetic; 40-50% hornblende + pyrox. phenocrysts largely altered to chlorite and diorite; 5-10% white feldspar phenocrysts; tr py. 76.4-90 - 3-5% coarse patches of epidote. 103.0-134.3 - altered zone-silicified with moderate biotite alteration; numerous bleached silicified stringers and patches of	TO DESCRIPTION SAMPLE NO. AU OZ AG OZ 20 CASING 76.4 PORPHYRITIC DIORITE: dark grey, weakly magnetic; 30-40% white feldspar phenocrysts 0.05" to 0.1" long; 20% dark green to black hornblende phenocrysts 0.1" to 0.2" long; tr py; near lower contact are stringers of red-tinted feldspar with epidote in fractures; appears nearly equigranular medium grained in places. 180.7 PORPHYRITIC ANDESITE: dark grey-brown, very weakly magnetic; 40-50% hornblende + pyrox. phenocrysts largely altered to chlorite and diorite; 5-10% white feldspar phenocrysts; tr py. 76.4-90 - 3-5% coarse patches of epidote. 103.0-134.3 - altered zone-silicified with moderate biotite alteration; numerous bleached silicified stringers and patches of	TO DESCRIPTION SAMPLE NO. ALOX AGOX %CU 20 CASING 76.4 PORPHYRITIC DIORITE: dark grey, weakly magnetic; 30-40% white feldspar phenocrysts 0.05" to 0.1" long; 20% dark green to black hornblende phenocrysts 0.1" to 0.2" long; tr py; near lower contact are stringers of red-tinted feldspar with epidote in fractures; appears nearly equigranular medium grained in places. 180.7 PORPHYRITIC ANDESITE: dark grey-brown, very weakly magnetic; 40-50% hornblende + pyrox. phenocrysts largely altered to chlorite and diorite; 5-10% white feldspar phenocrysts; tr py. 76.4-90 - 3-5% coarse patches of epidote. 103.0-134.3 - altered zone-silicified with moderate biotite alteration; numerous bleached silicified stringers and patches of brown fine grained biotite with 1% py-po; strongest biotite	TO DESCRIPTION SAMPLE NO. 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BENOIT DIAMOND DRILLING CONTRACTOR

leter & Lower LOGGED BY.

Peter S. LeBaron

PROPERTY McGarry 1-79

FOC	OTAGE					ASS	AYS			C	ORE LENGT	гн
FROM	то	DESCRIPTION	SAMPLE NO.	AU OZ	AG OZ	% CU	% ZN	% NI	4	FROM	то	ACC. WIDTH
		alteration is from 116 to 133'; faint remnants of feldspar pheno-								4		
		crysts are visible throughout.										
		134.3-180.7 - porph. andesite; lower contact at 20° to core axis.			-							
180.7	201.7	ALTERED ZONE: possibly altered andesite; silicified, similar to										
		103.0-134.3 but less biotite and more chlorite-epidote alteration;										
		magnetite stringers up to 3" wide; brecciated with coarse epidote							<u> </u>			
		patches from 199-201.7.										
		188.0-189.0 - broken core, possible fault.	-									
201.7	248.9	PORPH ANDESITE: as above; reddish stained stringers and patches;								·		
		epidote in fractures.										
248.9	279.1	PORPHYRITIC DIORITE DIKE: as above; upper contact at 70° to core										
		axis; lower contact irregular at about 90°.										
<u> </u>					<u> </u>							
279.1	401.0	RHYOLITE: dark grey-purple, weakly porphyritic; fine white feld-								-		<u> </u>
		spar phenocrysts in an aphanitic siliceous matrix; non-magnetic;	<u> </u>									

McGarry 1-79

FOO	TAGE					ASS	AYS			co	RE LENGT	Н
FROM	то	DESCRIPTION	SAMPLE NO.	AU OZ	AG OZ	% CU	% ZN	% NI	4	FROM	то	ACC. WIDTH
		strong silica alteration as bleached stringer zones with tr-1% py.							₹.	•		
		314.0-316.8 - red-brown porphyritic diorite dike; weakly magnetic				-						
		similar to porph andesite.										
		336-337 - siliceous band with strong biotite alteration nearly										
		parallel to core; silica alteration decreasing past 329', but small							-			
		patches and stringers of py-po continue throughout; porphyritic										
		texture more evident.										
		379-401.0 - weak to moderate biotite alteration; numerous small										
		patches and stringers of py-po.										
						-						
<u></u>	401.0	END OF HOLE.										
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4										-		