


HOLE NO: 9611
 PROPERTY: Sangold - Hoodoo
 TOWNSHIP: Keith Twp., Ontario
 CLAIM NO: P. 752149
 CORE SIZE: NQ
 CONTRACTOR: Major Dominik Drilling
 LOGGED BY: B. MACRAE

DIP TESTS - Acid		
DEPTH	DIP	AZIMUTH
30 M	-40.5 deg.	--
60 M	-37.0 deg.	--
101 M	-33.0 deg.	--

LOCATION: 837.29W / 754.38S
 DIP AT COLLAR: -47 degrees
 AZIMUTH: 026.5 degrees
 ELEVATION: Surface: 2.57m
 STARTED: Sept. 16, 1996
 FINISHED: Sept. 17, 1996

TOTAL DEPTH OF HOLE: 101.00 M

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
0.00	3.00	Casing in bedrock							
.00	28.05	<p>Sheared Altered Mafic Volcanics (2% quartz carbonate)</p> <p>-grey green in colour -sheared, strong foliation: 35-40 degrees to CA -chloritic and sericitic alteration -2% quartz carbonate stringers and veins overall, parallel to direction of foliation -the wider quartz carbonate stringers contain a brown cream carbonate, ankerite -most primary volcanic features are obscured due to shearing and strong foliation -3.00 to 7.08M: coarse grained, possibly locally tuffaceous; development of white cream leucoxene? grains; possible pillows at 4.50M; trace chalcopyrite noted at 6.50M and at 7.00M associated with quartz carbonate stringers. -7.08 to 13.10M: medium to fine grained; narrow bands of brecciation; possible stretched amygdules at 8.50M; light green Mafic Dykes with dark green 1-2mm phenocrysts and 1% pyrite as tiny cubes at 10.25-10.60M, 10.80-11.25M, 11.93-12.30M, and 12.59-12.84M</p>						 010	

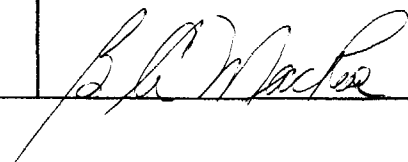
METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
		Sheared Altered Mafic Volcanics (cont'd)							
		11.35 to 11.59M, 50-60% quartz carbonate in sericitic and chloritic material with 3% sulphides (pyrite and a few grains of chalcopyrite) as lenses and disseminated grains in the altered volcanic material; lower margin has pinkish-purple hue	28402	11.25	11.90	0.65	0.07		
		-13.00 to 14.40M: steady increase on quartz carbonate stringers							
		-14.04 to 14.94M: quartz carbonate rich, 65-70% quartz carbonate over 90cm; irregularly shaped vein, inclusions of chloritic and sericitic material, occasional narrow lenses of fine grained pyrite	28403	13.72	14.40	0.68	nil		
			28404	14.40	15.50	1.10	nil		
			28405	15.50	16.35	0.85	nil		
		-after 15.50M: 3-5% quartz carbonate stringers parallel to foliation, 40-45 degrees to CA with some kinking; coarse grained volcanics (tuff?); development of cream coloured mineral, leucoxene?; beyond 20.00M, subtle banding with respect to colour and grain size parallel to the foliation; minor pyrite as fine disseminations and narrow lenses parallel to foliation							
		-at 23.66M: 18cm quartz carbonate vein, 65% quartz carbonate plus 15% cream brown carbonate, ankerite, in sericitic and chloritic material, no visible sulphides	28406	23.00	23.55	0.55	0.01		
			28407	23.55	24.30	0.75	0.03		
			28408	24.30	24.90	0.60	0.01		
		-broken and blocky core from 3.00 to 11.00M							
		-rusty brown fractures at:							
		7.35M,							
		7.75-7.00M,							
		11.90-12.24M,							
		12.43M,							
		13.00M							

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
28.05	29.00	<p>Lamprophyre</p> <p>-medium grained grey black with small white calcite phenocrysts and small clots of biotite; disseminated fine pyrite</p> <p>-in upper 45cm there are rounded to subrounded inclusions up to 6cm long, a pink granite, generally of very dark black fine grained basic material, one of the dark inclusions contains a 1.5cm wide labradorite crystal; upper contact is broken; lower contact at 40 degrees to CA; quartz carbonate stringers in volcanic rock above and below the lamprophyre have a blue tinge</p>							
29.00	44.00	<p>Sheared Altered Mafic Volcanic (10% quartz carbonate)</p> <p>-grey green/buff green</p> <p>-sericite alteration with patchy chlorite alteration, weak carbonatization</p> <p>-sheared, strong foliation at 30 to 40 degrees to CA</p> <p>-probable pillow selvages seen at 31.00M</p> <p>-possible elongated light coloured amygdules between 40.00 and 40.62M</p> <p>-overall 10% quartz carbonate stringers, generally parallel to foliation, up to 2-6.5cm wide, most are less than 1cm wide; decreasing to 1% quartz carbonate after 36.00M except between 41.63 and 43.15M.</p> <p>-41.36 to 43.15M: 40% quartz carbonate stringers, trace pyrite</p> <p>-chalcopyrite speck in 6.5cm wide quartz carbonate stringer at 30.50M</p> <p>-10% sulphides (pyrite) in 4cm wide quartz carbonate stringer at 34.00M</p>	28409	31.12	30.67	0.55	0.01		
			28410	33.20	33.85	0.65	0.01		
			28411	33.85	34.20	0.35	0.28		
			28418	42.40	42.30	0.90	0.03		
			28419	42.30	43.44	1.14	nil		

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
44.00	51.28	<p>Sheared Altered Mafic Volcanic (<1%quartz carbonate)</p> <p>-fine grained, grey to buff green in colour -sericite and chlorite alteration -less than 1% quartz carbonate stringers parallel to direction of foliation (35 degrees to CA) as well as a few sharp quartz calcite stringers at 40 degrees to CA cross cutting foliation at right angles -light green coloured Mafic dykes at: 44.00M: 34cm wide, foliated; 44.53M: 47cm wide, foliated; 47.67M: 22cm wide; 48.53M: 12cm wide; 48.83M: 36cm wide; 50.90M: 38cm wide</p>							
51.28	65.55	<p>Sheared Sericite Altered Pillowed Mafic Volcanic (5% quartz carbonate)</p> <p>-sheared, strong foliation -sericite alteration, strong chloritic alteration in pillow selvages -5% quartz carbonate stringers, generally less than 1cm wide -trace pyrite -occasional rusty brown fracture from 54.40M -62.30-66.25M: blocky, rusty brown weathered, rubbly and ground core- a Fault Zone?</p>							
65.55	74.00	<p>Quartz Carbonate Rich Zone (30-40 % quartz carbonate)</p> <p>-30 to 40% quartz carbonate stringers and veins in sheared, strongly foliated pillowed mafic volcanics - quartz carbonate stringers and veins are irregular in shape, generally parallel to foliation direction, 40 degrees to CA; sericitic and chloritic inclusions</p>							

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
74.00	97.75	Quartz Carbonate Rich Zone (cont'd)							
		-minor disseminated pyrite throughout unit; local narrow 1-2mm wide pyrite lenses in mafic volcanic rock; small pyrite clots in some of the quartz carbonate stringers and veins	28420	67.12	68.00	0.88	0.02		
			28421	68.00	68.88	0.88	0.13		
			28422	68.88	69.80	0.92	0.02		
		-68.15 to 68.60M: quartz carbonate vein and stringer running together, 65% quartz carbonate with sericite and chlorite material, minor pyrite, specks of chalcopyrite	28423	69.80	70.66	0.86	nil		
			28424	70.66	71.30	0.64	0.38		
			28425	71.30	72.00	0.70	0.06		
			28426	72.00	72.87	0.87	0.05		
			28427	72.87	73.75	0.88	0.05		
			28428	73.75	74.60	0.85	0.01		
		-69.20M: 20cm 50% quartz carbonate stringers, minor pyrite, specks of chalcopyrite							
		-69.85M: 15cm quartz carbonate vein/stringer, 70% quartz carbonate and minor disseminated pyrite; 2-3mm pyrite bands in the sericitic and chloritic material at the lower contact							
		-71.50 to 71.85M: quartz carbonate vein/stringer section which includes a 15cm vein with 90% cream brown ankerite; trace pyrite							
		Sericite Altered Mafic Pillowed Volcanic (5-10% quartz carbonate)							
		-pillows, probable to 89.00M, after which, pillows and selvages are clearly defined;							
		-91.00 to 93.50M: siliceous 2mm wide spherules, some with a fine pyrite grain							
		-strong foliation							
		-sericite alteration, patchy chloritic alteration, no carbonatization to end of hole							
		-10% quartz carbonate stringers and veins decreasing to less than 5% after 89.00M; three small 10cm wide quartz carbonate veins at 79.40M, 79.65M and 86.30M							

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
97.75	101.00	<p>Massive Rhyolite</p> <p>-contact with mafic volcanic, 40 degrees to CA -fine grained -grey buff colour, -sericite alteration -quartz eyes, 1mm wide stretched to 2mm in direction of foliation -foliated at 45 degrees to CA -occasional narrow, 1-2mm quartz stringers with minor pyrite 100.60 to 101.00M(EOH): very sericitic with 15-20% quartz stringers</p>							
	101.00	<p>End of Hole</p> <p>Core stored at: Sangold Property, Keith Township, Ontario</p>							



HOLE NO: 9612
 PROPERTY: Sangold - Hoodoo
 TOWNSHIP: Keith Twp., Ontario
 CLAIM NO: P. 752149
 CORE SIZE: NQ
 CONTRACTOR: Major Dominik Drilling
 LOGGED BY: B. MACRAE

DIP TESTS - Acid

DEPTH	DIP	AZIMUTH
30 M	-43.00 deg.	--
60 M	-38.00 deg.	--
101 M	-34.50 deg.	--

LOCATION: 803.76W / 769.32S
 DIP AT COLLAR: -45 degrees
 AZIMUTH: 026.5 degrees
 ELEVATION: Surface: 4.57m
 STARTED: Sept. 17, 1996
 FINISHED: Sept. 18, 1996

TOTAL DEPTH OF HOLE: 104.00 M

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
0.00	3.00	Casing in bedrock							
3.00	23.90	<p>Sheared Altered Pillowed Mafic Volcanics (1 to 5 % quartz carbonate stringers/veins)</p> <p>-dark green to buff grey green -fine to medium grained -pillowed; most volcanic structures are obscured by shearing -sheared; strong foliation, 45 degrees to CA at top of hole to 30 degrees to CA near 23.00M -chlorite alteration; gradual increase in sericite alteration after 12.25M as seen with increase in buff grey green colour -core is weakly weathered at top of hole - <5% quartz carbonate stringers/veins parallel to foliation direction; generally quartz and cream brown carbonate, ankerite; also a few sharp, regular 1-2cm wide quartz calcite stringers at 45 degrees to CA but at right angles to direction of foliation -minor scattered pyrite cubes and local 1-2mm wide lenses of fine pyrite; increase in pyrite after 12.25M -at 7.70M: 8 to 10cm quartz carbonate vein, 60% quartz carbonate in chloritic and sericitic material, 3% chalcopryrite, trace pyrite; core is magnetic and</p>							

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
		<p>Sheared Altered Mafic Volcanics (Cont'd)</p> <p>there is a purple tint to some of the quartz carbonate</p> <p>-at 12.10M: 25cm wide quartz carbonate vein, 70% quartz carbonate (including about 35% cream brown ankerite) with chloritic and some sericitic material, specks of chalcopyrite on chlorite slip faces, a couple of narrow lenses of fine grained pyrite</p> <p>-23.60M: 19cm wide Mafic Dyke, medium grained, cream green matrix with foliated darker green phenocrysts; contacts are parallel to direction of foliation</p> <p>-rusty brown fractures from top of hole to 12.00M; 3.90M: rusty brown fracture and broken core; at 22.60M: rusty weathering and fractures</p>							
23.90	31.60	<p>Sheared Altered Mafic Volcanics (20% quartz carbonate stringers/veins)</p> <p>-mafic volcanic</p> <p>-fine grained</p> <p>-buff grey green in colour; occasional zones of alternating bands of pale buff green with darker green</p> <p>-strong sericite and chlorite alteration</p> <p>-sheared; very strong foliation, 35-45 degrees to CA</p> <p>-20% quartz carbonate and ankerite stringers and lenses, (5% quartz carbonate only); veins and stringers generally parallel to direction of foliation;</p> <p>-minor scattered pyrite and local narrow 1-2mm wide lenses of fine pyrite</p> <p>-28.60M, 35cm Mafic Dyke</p>	28459 29460 28461 28462	23.00 23.75 24.90 26.00	23.75 24.90 26.00 27.20	0.75 1.15 1.10 1.20	0.06 0.15 0.06 0.10		

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
31.60	48.70	Quartz Carbonate Rich Zone in Sheared Altered Mafic Volcanics (40% carbonate stringers/veins)	28463	30.23	31.12	0.89	0.09		
			28464	31.12	32.00	0.88	1.23		
			28465	32.00	32.80	0.80	0.09		
			28466	32.80	33.75	0.95	0.07		
		-mafic volcanic, as above	28467	33.75	35.00	1.25	0.36		
		-40% overall quartz carbonate; includes sections up to 60-70% quartz carbonate	28468	35.00	35.75	0.75	0.52		
			28469	35.75	36.60	0.85	0.42		
		-31.60-32.00M: 60% quartz carbonate, chloritic and sericitic inclusions, minor pyrite as narrow lenses in chloritic material	28470	36.60	37.25	0.65	0.27		
			28471	37.25	38.00	0.75	0.13		
			28472	38.00	39.20	1.20	0.03		
		-35.00-36.88M: 50% quartz carbonate, as above, except larger local clots and cubes of pyrite	28473	39.20	40.10	0.90	0.34		
			27474	40.10	40.75	0.65	0.78		
		-40.82M: 18cm quartz carbonate vein, 70% quartz carbonate (including ankerite), sericitic and chloritic inclusions with flakes of "silver" mica (sericite), 3-5% pyrite	28475	40.75	41.45	0.70	0.48		
			28476	41.45	42.40	0.95	0.05		
			28477	42.40	43.55	1.15	0.27		
			28478	43.55	44.55	1.00	0.56		
		-43.62-44.00M: 70% quartz carbonate with chloritic and sericitic material, minor pyrite, rusty brown fracture at 43.20M	28479	44.55	45.40	0.85	1.03		
			28480	45.40	46.00	0.60	4.83		
			28481	46.00	46.75	0.75	2.41		
		-44.10-44.50M: 50% quartz carbonate, 2% sulphides (pyrite)	28482	46.75	47.20	0.45	5.92		
			28483	47.20	47.95	0.75	0.06		
		-44.80-45.05M: 70% quartz carbonate (including 40% ankerite), 1-2% sulphides, pyrite	28484	47.95	48.65	0.70	0.01		
			28485	48.65	50.00	1.35	0.02		
		-45.25M: 25cm of quartz carbonate stringers, 5% sulphides							
		-45.70-46.27M: vein, 60% quartz carbonate with ankerite, minor sulphides: scattered 1mm cubes and irregular lenses of fine pyrite							
		-47.75-48.04M: irregular vein, 50% quartz carbonate							
		-48.35-48.70M: irregular quartz carbonate vein, 40% quartz carbonate, no visible sulphides							
		-46.70-47.40M: some rusty brown weathering, broken core							

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
48.70	59.53	<p>Sheared Altered Mafic Volcanics (5-8% quartz carbonate stringers/veins)</p> <p>-mafic volcanic, as above -5-8% quartz carbonate stringers and small veins as well as cream brown calcitic masses -50.70M: 60cm Mafic Dyke, irregular contacts, slightly brecciated and zoned, quartz carbonate fracture fillings -51.30 to 51.63M: quartz carbonate vein, 70% quartz carbonate, trace pyrite -58.70M: 10cm quartz carbonate stringer</p>	28486 28487 28488	50.00 51.30 57.90	51.30 51.83 58.45	1.30 0.53 0.55	0.01 0.58 0.01		
59.53	60.70	<p>Lamprophyre</p> <p>-bluish black mafic, zoned appearances with respect to colour, grain size and inclusions -dark black mafic inclusions as well as one granitic inclusion about 3cm long in the centre of the dyke -there are bands of inclusions of differing sizes ie. 19cm above lower contact, a 3cm wide band of elongate 3-5cm long mafic inclusions -bluish tinge to quartz carbonate stringers in the altered mafic volcanics above and below the dyke</p>							
60.70	94.10	<p>Sheared Chloritic Mafic Volcanics (5-10% quartz carbonate stringers)</p> <p>-mafic volcanic -fine to medium grained -grey buff and dark green to very light buff colour after 89.00M -sheared, foliated, 45 degrees to CA -strong alteration, chloritic and sericitic -5-10% quartz carbonate, trace pyrite</p>							

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
94.10	101.00	Sheared Chloritic Mafic Volcanics (Cont'd) (5-10% quartz carbonate stringers)							
		-63.85 to 64.15M: a concentration of quartz carbonate stringers with ankerite, 50% quartz carbonate, trace pyrite	28489	63.70	64.30	0.60	0.02		
		-64.30 to 68.40M: rusty weathering/rusty fractures, includes 1.80M section of broken/ground/lost material at 65.00M (Fault?)	28490	74.85	75.75	0.90	nil		
		-74.85 to 75.75M: three 10cm quartz carbonate sections, trace pyrite	28491	89.70	90.45	0.75	nil		
		-after 89.00M: gradual increase in sericite alteration as volcanic rock becomes very light buff grey in colour							
		-89.95 to 90.10M: 70% quartz carbonate-ankerite, no visible sulphides							
		Sheared Sericite Altered Mafic Volcanic							
		-mafic volcanic	28492	98.40	99.66	1.26	nil		
		-very light buff colour	28493	99.66	101.00	1.34	nil		
		-very fine grained to fine grained with some medium grained sections							
-strong sericite alteration									
-foliated and fractured at 45 degrees to CA									
-up to 3% carbonate stringers with pyrite, most are irregular, narrow - about 5mm wide -and not parallel to foliation									
-there are volcanic features, obscured by shearing and foliation, seen only as colour and grain size variations									
	101.00	End of Hole							
		Core stored at : Sangold Property, Keith Twp, Ont.							

HOLE NO: 9613
 PROPERTY: Sangold - Hoodoo
 TOWNSHIP: Keith Twp., Ontario
 CLAIM NO: P. 752149
 CORE SIZE: NQ
 CONTRACTOR: Major Dominik Drilling
 LOGGED BY: B. MACRAE

DIP TESTS - Acid

DEPTH	DIP	AZIMUTH
30 M	-43.25 deg.	--
60 M	-42.00 deg.	--
101 M	-40.50 deg.	--

LOCATION: 844.30W /742.80S
 DIP AT COLLAR: -45 degrees
 AZIMUTH: 027.5 degrees
 ELEVATION: Surface: 2.57m
 STARTED: Sept. 18, 1996
 FINISHED: Sept. 19, 1996

TOTAL DEPT OF HOLE: 104.00 M

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
0.00	3.50	Casing in bedrock							
3.50	32.40	<p>Sheared Chlorite Altered Pillowed Mafic Volcanic (1 to 5 % quartz carbonate stringers/veins)</p> <p>-dark green to buff grey green -fine to medium grained -probable pillows from 8.20M -chlorite alteration with patchy sericite and carbonate alteration -sheared, strong foliation, 12-30 degrees to CA -1 to 5% quartz carbonate stringers/veins parallel to foliation direction; also 1-2cm wide sharp quartz carbonate stringer that X- cut direction of foliation at right angles -minor disseminated sulphides (pyrite); and narrow, 1mm wide pyrite lenses parallel to direction of foliation; after 12.00M, gradual increase in sulphides as pyrite lenses get wider (2-4mm) and more commonplace apparently associated with the quartz carbonate stringers; occasional specks of chalcopyrite in the sulphide lenses ie. at 25.70M and 20.60M; -core is magnetic at 25.70M and 27.25M due to tiny, <1mm wide, black, magnetic cubes in a beige carbonate (calcitic) lens</p>							

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
32.40	36.65	Sheared Chlorite Altered Mafic Volcanics(Cont'd)							
		-other nonmagnetic, beige carbonate masses or lenses from <1 to 4cm wide are seen throughout this section in between pillows							
		-Mafic dykes with medium grained, cream green with darker green phenocrysts; trace to minor disseminated 1-2mm pyrite cubes:							
		7.82M: 32cm							
		10.00M: 50cm							
		10.60M: 40cm, elongated phenocrysts							
		11.35M: 52cm							
		-31.00M: 52cm Felsic dyke? or bleached pillow? fine grained, light green colour							
		-rusty brown fractures from top of hole to 12.00M;							
		3.65 to 3.90M: rusty brown weathering and blocky core; 3.90 to 4.25M: blocky core only							
			28437	31.00	32.00	1.00	0.53		
		Sheared Chlorite Altered Mafic Volcanics	28438	32.00	33.40	1.40	0.04		
		(25% quartz carbonate stringers/veins)	28439	33.40	34.40	1.00	0.16		
			28440	34.40	35.30	0.90	0.86		
		-mafic volcanics, as above	28441	35.30	36.25	0.95	0.03		
		-25% quartz carbonate; generally quartz carbonate stringers 1-2mm wide, parallel to foliation; 1-5mm wide lenses of fine grained pyrite are common	28442	36.25	37.15	0.90	0.04		
		-34.15M: irregular 8cm wide quartz carbonate vein, at very low angle to CA; 100% quartz carbonate, 15% of which is cream brown ankerite; no sulphide in the vein but 1-2mm lenses in adjacent wallrock							
		-34.87M: irregular 15cm wide quartz carbonate vein with quartz carbonate stringer rich sections on either side; inclusions of chlorite and sericite altered material; sulphide lenses of fine grained pyrite generally associated with the altered inclusions and pyrite cubes up to 3mm wide							

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
36.65	41.30	<p>Sheared Chlorite Altered Mafic Pillowed Volcanic (1% quartz carbonate stringers)</p> <p>-mafic volcanics, as above -dark green pillow selvages, 1-4mm wide -foliation, 35 degrees to CA -1% quartz carbonate stringers, 1-2mm wide -trace sulphides; local small clots of fine pyrite, several with grains chalcopyrite ie. at 38.62M -40.40M: 90cm Mafic Dyke, similar to those above; trace pyrite cubes</p>							
41.30	46.30	<p>Quartz Carbonate Rich Zone with Pyrite</p> <p>-in sheared altered mafic volcanics as above -41.30M: 13cm quartz carbonate vein; 60% quartz carbonate in sericitic and chloritic material; trace chalcopyrite associated with the altered material -41.55M: 17cm possible Mafic Dyke -41.95 to 46.30M: 60% quartz carbonate 41.95-42.40M: 60% quartz carbonate with cream brown ankerite, 5-10% sulphides as pyrite lenses and cubes up to 1cm, sericitic and chloritic material 43.17-44.15M: 75% quartz carbonate with cream brown ankerite, 5-7% sulphides as pyrite lenses and cubes up to 0.5cm 44.20-44.80M: 70% quartz carbonate stringers with ankerite, 1% pyrite as tiny cubes and narrow lenses 45.70-46.30M: 65% quartz carbonate stringer with ankerite, 2% pyrite, 0.5cm cubes</p>	28443 28444 28445 28446 28447 28448 28449 28450	41.30 41.90 42.85 43.54 44.33 44.33 45.45 46.40 47.40 47.40	41.90 42.85 43.54 44.33 45.45 46.40 47.40 48.25	0.60 0.95 0.69 0.79 1.12 0.95 1.00 0.85	0.02 2.22 0.85 1.37 0.13 0.25 0.01 0.01		

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
46.30	55.00	<p>Sheared Chlorite Altered Mafic Volcanics (less than 10% quartz carbonate stringers)</p> <p>-decreasing amount of quartz carbonate from 10% to 1-2%; stringers up to 1-2cm wide -possible Mafic Dykes: at 48.17M, 10cm; at 48.48M, 23cm; at 50.54M, 18cm; and at 51.40M: 40cm</p>							
55.00	58.12	<p>Sheared Chlorite Altered Mafic Volcanics (up to 30% quartz carbonate and carbonate stringers/masses)</p> <p>-altered mafic volcanics, as above -increasing to 30% quartz carbonate and brown calcitic masses; some of the calcitic lenses are magnetic with tiny cubes of magnetite ie. at 56.30M and 57.35M; chalcopyrite specks in quartz carbonate stringer at 57.55M -57.69 to 58.70M: rusty brown fractures/broken core and bleached core</p>	28451 28452 28453	54.88 56.20 57.30	56.20 57.30 58.30	1.32 1.10 1.00	nil 0.01 nil		
58.12	83.90	<p>Altered Mafic Volcanics (1-2% quartz, quartz carbonate and carbonate)</p> <p>-buff grey green and darker green -fine to medium grained -pillowed mafic volcanic; after 64.12M, well defined pillows up to 30cm and selvages -chloritic alteration. patchy sericite alteration increasing to predominately sericite alteration by 64.12M -rusty brown weathering and fractures to 65.00M -broken core: 59.30-59.95M and 60.45-61.35M</p>							

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
		<p>Altered Mafic Volcanics (Cont'd) (1-2% quartz, quartz carbonate and carbonate)</p> <p>-58.12 to 63.30M: 1-2% quartz carbonate stringers</p> <p>-63.30M: 82cm vein, 80% quartz carbonate with cream brown ankerite, sericitic and chloritic material, no visible sulphides</p> <p>64.12-83.90M: 1-2% quartz carbonate, quartz and carbonate material; two 8-10cm wide quartz stringers; occasional irregular brown calcitic lenses about 10cm wide, inter pillow?</p> <p>-trace sulphides locally concentrated in very narrow, <1mm wide, irregular lenses in the brown calcitic masses</p> <p>-81.80M: 12cm quartz carbonate vein with ankerite, 90% quartz carbonate, no visible sulphides</p>							
83.90	86.50	<p>Felsic Dyke</p> <p>-medium grained, grey green</p> <p>-vague green phenocrysts</p> <p>-siliceous</p> <p>-foliated</p> <p>-trace pyrite</p> <p>-irregular shaped quartz carbonate vein disrupts lower contact</p>							
86.50	93.00	<p>Sericite Altered Mafic Pillowed Volcanics</p> <p>-fine to medium grained</p> <p>-buff green colour</p> <p>-pillows, smaller than above, 10-15cm wide</p> <p>-sericite alteration</p> <p>-foliated</p> <p>-brown calcitic inter pillow matter</p> <p>-few quartz carbonate stringers</p>							

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
93.00	104.00	Sericite Altered Mafic Volcanics	28457	97.00	98.00	1.00	0.01		
		-fine to medium grained -sericite alteration -buff green to buff coloured -less defined pillows changing near 98.00M to a massive looking highly sericitic, buff coloured mafic volcanic -scattered pyrite clots and lenses up to 1cm, and pyrite cubes up to 4mm -1-2% quartz calcite stringers	28458	101.00	102.04	1.04	0.03		
	104.00	End of Hole Core stored at: Sangold Property, Keith Township, Ontario							

HOLE NO: **9614**
 PROPERTY: **Sangold - Hoodoo**
 TOWNSHIP: Keith Twp., Ontario
 CLAIM NO: P. 752149
 CORE SIZE: NQ
 CONTRACTOR: Major Dominik Drilling
 LOGGED BY: B. MACRAE

DIP TESTS - Acid	
DEPTH	DIP
30 M	-42.0 deg.
60 M	-40.0 deg.
100 M	-40.0 deg.

LOCATION: 787.30W / 776.33S
 DIP AT COLLAR: -45 degrees
 AZIMUTH: 026.5 degrees
 ELEVATION: Surface: 4.57m
 STARTED: Sept. 19, 1996
 FINISHED: Sept. 20, 1996

TOTAL DEPTH OF HOLE: 101.00 M

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
0.00	3.00	Casing , in bedrock							
3.00	8.85	Sheared Chlorite Altered Mafic Volcanic (1% quartz carbonate) -fine grained mafic volcanic -dark green to buff green -chlorite alteration; patchy sericite alteration -medium to strong foliation: 25-35 degrees to CA -about 1% quartz carbonate							
8.85	15.90	Sheared Chlorite Altered Mafic Volcanic (15% quartz carbonate) -altered mafic volcanic as above -15% quartz carbonate veins and stringers with sericitic and chloritic material -minor pyrite as disseminations and small clots -11.75 to 12.08M: irregular quartz carbonate and carbonate rich stringers with sericitic and chloritic material; no visible sulphides -after 12.08 pyrite increases, pyrite "clots" up to 4-7cm long, elongated in direction of foliation -14.09 to 15.11M: Mafic Dyke, foliated, coarse grained; contains 2.5-3cm wide quartz carbonate	28362 28363 28364 28365	11.80 12.22 13.24 14.00	12.22 13.24 14.00 14.87	0.42 1.02 0.76 0.87	0.02 0.03 0.04 0.03		

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
15.90	21.00	<p>Sheared Chlorite Altered Mafic Volcanic (cont'd) (15% quartz carbonate)</p> <p>ankerite stringer</p> <p>Sheared Chlorite Altered Mafic Pillowed Volcanic (3-5% quartz carbonate)</p> <p>-fine grained, pillowed mafic volcanic -foliated -chlorite alteration; sericite alteration increasing -occasional small pyrite clots</p>							
21.00	23.70	<p>Sheared Altered Mafic Volcanic (15-20% quartz carbonate)</p> <p>-mafic volcanic -chlorite and sericite alteration -21.00 to 21.20M: concentration of narrow quartz carbonate stringers; foliation, 45 degrees to CA -21.20 to 23.20M: 4-5cm wide elongated, irregularly shaped cream white coloured calcitic fragments? of unknown origin as primary geologic features are largely obscured by shearing; fragments test positive for calcite and some contain magnetite cubes and/or quartz carbonate stringers; the fragments are set in a foliated dark green chloritic matrix; disseminated pyrite throughout -22.40 to 23.70M: 30% quartz carbonate in stringers and calcitic fragments; strong foliation; chlorite and sericite alteration</p>	28366 28367 28368 28369 28370	21.00 22.10 23.00 23.86 24.90	22.10 23.00 23.86 24.90 26.00	1.10 0.90 0.86 1.04 1.10	0.08 0.12 0.17 0.24 0.01		

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
23.70	42.20	<p>Sheared Chlorite Altered Mafic Pillowed Volcanic (5% quartz carbonate)</p> <p>-fine grained, pillowed mafic volcanic -strong foliation: 50 degrees to CA -chlorite alteration with patchy sericite -5% quartz carbonate stringers/veinlets -foliated quartz carbonate and carbonate stringers and blotches -occasional cream calcitic fragments in a chloritic matrix as seen above; occurring along with the foliated stringers the "fragments" could be inter pillow material -26.57 to 26.95M: Mafic Dyke -minor pyrite on chlorite slips that are associated with most quartz carbonate stringers; from 30.88 to 32.70M, fine grained pyrite in calcite stringers up to 5cm wide and calcitic threads for local pyrite concentrations of 10% over a few cms -chalcopyrite specks with chlorite near quartz carbonate stringers at 27.76M and 28.15M</p>							
			28371	29.88	30.60	0.72	0.02		
			28372	30.60	31.67	1.07	0.09		
			28373	31.67	32.72	10.5	0.02		
42.20	42.73	<p>Quartz Carbonate Vein</p> <p>-upper 16cm: quartz carbonate including ankerite, with sericitic and chloritic material -remainder of vein is 90% quartz and 10% ankerite</p>	28374	41.70	42.20	0.50	0.14		
			28375	42.20	42.86	0.66	1.45		
			28376	42.86	43.00	0.64	0.52		
			28377	43.50	44.00	0.50	0.07		
			28378	44.00	44.92	0.92	0.01		
			28379	44.92	45.85	0.93	nil		
42.73	69.40	<p>Sheared Chlorite Altered Mafic Pillowed Volcanic (20% quartz carbonate)</p> <p>-altered mafic volcanic as above -several bands of small calcitic fragments up to 10 and 19cm wide which are strongly foliated throughout this pillowed unit</p>	28380	45.85	47.00	1.15	0.01		
			28381	47.00	48.26	1.26	nil		
			28382	48.26	49.30	1.04	nil		
			28383	49.30	50.42	1.12	0.02		

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS		
FROM	TO										
69.40	70.20	Sheared Chlorite Altered Mafic Pillowed Volcanic (20% quartz carbonate) (Cont'd)	28384	53.00	53.50	0.50	nil				
			28385	53.50	54.20	0.70	nil				
			28386	54.20	54.92	0.72	nil				
				-foliation: 30 degrees to CA							
				-20% quartz carbonate stringers/veins and ankerite rich stringers	28387	56.95	57.54	0.59	0.03		
					28388	57.54	58.50	0.96	0.01		
				-minor pyrite on chlorite slips; chalcopyrite specks at 44.50M near a quartz carbonate stringer	28389	58.50	59.00	0.50	nil		
					28390	59.00	60.17	1.17	nil		
				-several small quartz veins at 49.76-49.84M; 52.12-52.20M; 57.12-57.25M; and 68.40-68.50M	28391	60.17	61.12	0.95	0.02		
				-58.50M: 0.50m pale green Mafic Dyke	28392	62.82	63.48	0.66	0.26		
				-60.75M: 0.31m pale green Mafic Dyke	28393	63.48	64.15	0.67	0.04		
				-62.35M: rusty brown fracture	28394	64.15	65.00	0.85	0.01		
		-66.30 to 69.10M: rusty brown weathering with mostly blocky, broken and ground core: Fault Zone?	28395	65.00	66.30	1.30	0.05				
70.20	87.30	Lamprophyre									
				-fine grained at margins							
				-irregular lower contact							
				-upper contact lost in shear							
		Sheared Chlorite Altered Mafic Pillowed Volcanic (20% decreasing to 1-2% quartz carbonate)	28398	71.08	71.90	0.82	0.02				
			28399	71.90	72.72	0.82	1.27				
			28400	72.72	74.00	1.28	0.01				
		-continuation of altered mafic volcanic above	28401	74.00	75.36	1.36	0.01				
		-strong 30 degree to CA foliation									
		-decreasing amount of quartz carbonate stringers and veins, 20% at top of this unit to 1-2% in last 4 metres									

METERS		CORE DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH (m)	AU (g/t)		COMMENTS
FROM	TO								
87.30	101.00	<p>Sheared Chlorite Altered Mafic Volcanic (3-5% quartz + quartz carbonate)</p> <p>-dark green, medium grained -between 89.00M and 98.00M: small sections of core appear purple green coloured possibly due to presence of iron carbonate enrichment -chloritic alteration with patchy sericite -foliation: 45 degrees to CA -3 to 5% quartz, quartz carbonate, and quartz ankerite stringers all parallel to foliation</p>							
	101.00	<p>E. O. H.</p> <p>Core stored at: Sangold Property, Keith Twp, Ont.</p>							





Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W9660.00837 Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the information is a public record. This information is a public record. This information is a public record. This information is a public record. Questions about this collection should be directed to 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.



42B01NW0045 W9660.00837 KEITH

900

Instructions: - For work performed on Crown land holder. - Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Form with fields for Name, Address, Client Number, Telephone Number, and Fax Number. Handwritten entry: Marshall Minerals Corp., P.O. Box 356, 4776 Bridge St., Niagara Falls, Ontario L2E 2R6.

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

- Geotechnical: prospecting, surveys, assays and work under section 18 (regs)
Physical: drilling, stripping, trenching and associated assays
Rehabilitation

Work Type: Diamond Drilling. Office Use: Commodity, Total \$ Value of Work Claimed (30,015), NTS Reference, Mining Division (Porcupine), Resident Geologist District (Timmins).

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.

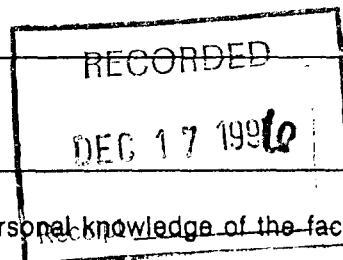
3. Person or companies who prepared the technical report (Attach a list if necessary)

Form with fields for Name, Address, Telephone Number, and Fax Number. Handwritten entry: W. MacRae, P.O. Box 417, Timmins, Ont P4W 1E3.

4. Certification by Recorded Holder or Agent

I, William MacRae, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: William MacRae. Date: Dec 17/96. Agent's Address: P.O. Box 417, Timmins, Ont. Telephone Number: 705-267-3081. Fax Number: 705-267-3081.



5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining, the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 752149	1	30,015	400	4000	\$25,615
2 968206	1		400		
3 968207	1		400		
4 968208	1		400		
5 968209	1		400		
6 723987	1		400		
7 723988	1		400		
8 723989	1		400		
9 723990	1		400		
10 996922	1		400		
11 996923	1		400		
12					
13					
14					
15					
Column Totals		30,015	4400	4000	\$25,615

I, William E. MacRae, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: [Signature] Date: Dec 17/96

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp RECORDED DEC 17 1996 <i>[Signature]</i>	Deemed Approved Date <u>Mar 17/97</u>	Date Notification Sent
	Date Approved	Total Value of Credit Approved <u>830,015</u>
Approved for Recording by Mining Recorder (Signature)		

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Diamond Drilling	4 10.0 metres	\$56.25	\$23063
Geological	14 days	\$352.14	\$4930
Sampling and Assaying	124 samples	\$16.31	\$2022
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
Total Value of Assessment Work			30,015

Calculations of Filing Discounts:

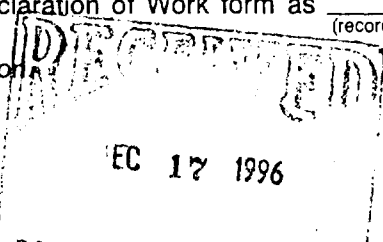
1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK × 0.50 = Total \$ value of worked claimed.

Note:
 - Work older than 5 years is not eligible for credit.
 - A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, William MacRae, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent I am authorized to make this certification.
(please print full name)
(recorded holder, agent, or state company position with signing authority)



Signature: [Signature] Date: Dec 17/96

REFERENCE

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
①			S.R.O.	135263
②			S.R.O.	2247
③	SEC. 36/80	7/2/80	S.R.O.	188543
④	MNR OPERATIONS BASE	3/01/95	S.R.O.	LND. ROLE

SAND AND GRAVEL

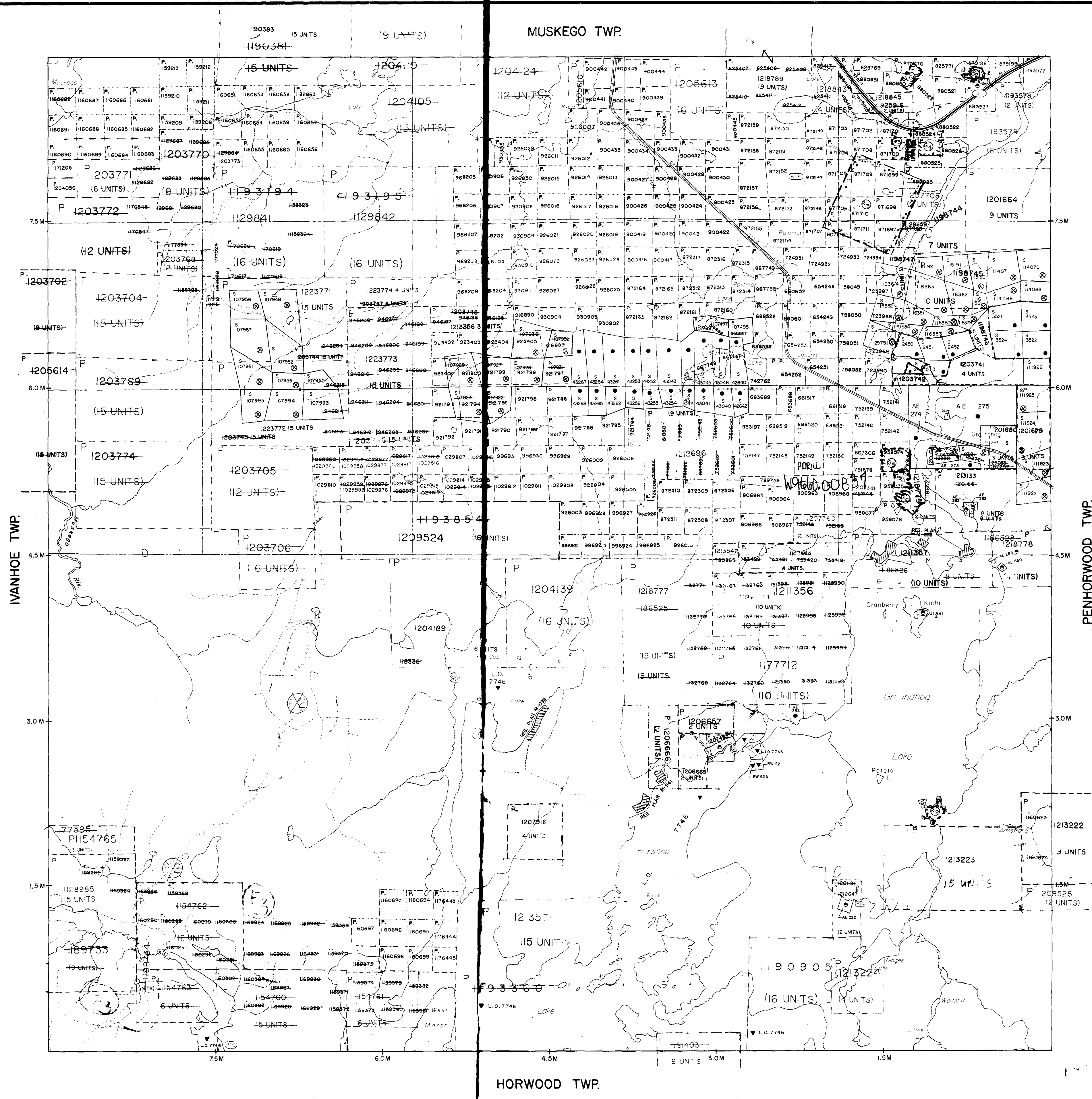
⑤ M.T.C. PIT
 ⑥ M.T.C. PIT 3A-15
 ⑦ M.T.C. PIT 3A-16
 ⑧ M.T.C. PIT 10B5
 ⑨ GRAVEL FILE 177587
 ⑩ M.N.R. PIT 3A-1 (M.O.E. WASTE DISP. SITE)

SURVEY LINES SHOWN THUS ARE FOR CONTROL ONLY. CLAIMS CLASSIFIED AS BEING IN UNSUBDIVIDED TERRITORY. — March 7, 1947. Surveyor General

FLOODING

Flooded areas on Hoodoo & Horwood Lakes and Groundhog R. to contour elev. 1117 L.O. 7746 File: 75166.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



LEGEND

HIGHWAY AND ROUTE No.

OTHER ROADS

TRAILS

SURVEYED LINES

TOWNSHIP BASE LINES ETC.

LOTS, MINING CLAIMS, PARCELS, ETC.

UNSURVEYED LINES

LOT LINES

PARCEL BOUNDARY

MINING CLAIMS ETC.

RAILWAY AND RIGHT OF WAY

UTILITY LINES

NON-PERENNIAL STREAM

FLOODING OR FLOODING RIGHTS

SUBDIVISION OR COMPOSITE PLAN

RESERVATIONS

ORIGINAL SHORELINE

MARSH OR MUSKEG

MINES

TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	○
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	■
" MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	□
ORDER-IN-COUNCIL	□
RESERVATION	□
CANCELLED	□
SAND & GRAVEL	□

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913 VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.C. 1910, CHAP. 280, SEC. 63, SUBSECT. 1.

SCALE: 1 INCH = 40 CHAINS

FEET: 0 1000 2000 4000 6000 8000
 METRES: 0 200 400 600 800 1000

① REMOTE TOURIST CAMPS

② THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1993/94. FURTHER INFORMATION ON FILE.

③ THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1994/95. FURTHER INFORMATION AVAILABLE ON FILE.

TOWNSHIP
KEITH
 M.N.R. ADMINISTRATIVE DISTRICT
 CHAPLEAU
 MINING DIVISION
 PORCUPINE
 LAND TITLES / REGISTRY DIVISION
SUBBURY

Ministry of Natural Resources
 Land Management Branch
 Ontario

Date: APRIL 1985
 Number: **G-3238**

KEITH LWB

G-3538

KEITH LWB

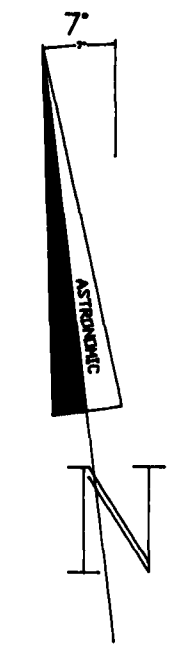
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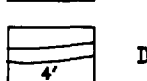
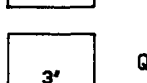
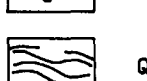
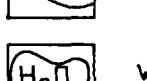
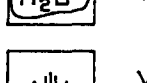

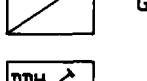
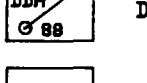
688520

752149

752148



Symbols

-  SHEAR
-  FAULT W/DOWN THROW
-  PIT/DEPRESSION
-  HILL
-  DIKE W/WIDTH
-  QUARTZ/CARBONATE VEIN W/WIDTH
-  QUARTZ/CARBONATE IRREGULAR STRINGERS
-  WATER POOL
-  VEGETATION
-  GEOLOGICAL CONTACT
-  DIAMOND DRILL HOLE W/YEAR DRILLED
-  OVERBURDEN

TO JOBURKE ROAD

ROAD

ROAD

? GRADUATION

DDH 50° DIP

RUBBLE PILE

RUBBLE PILE

PIT

PIT

PIT

9602
80.0 m

9613
104.0 m

9611
107.0 m

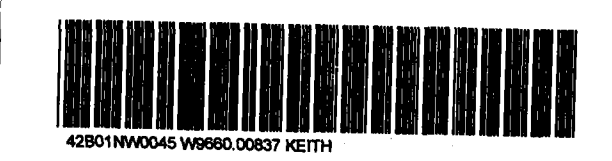
9601
83.0 m

9612
101.0 m

9614
101.0 m



Scale in Metres



210

MARSHALL MINERALS CORP.

SANGOLD PROJECT
 DRILL HOLE LOCATIONS
 HOODOO SHOWING
 1996 DRILL PROGRAM

DATE	BY	CHKD	DATE	BY	CHKD	DATE	BY
1996
SCALE	1:500						

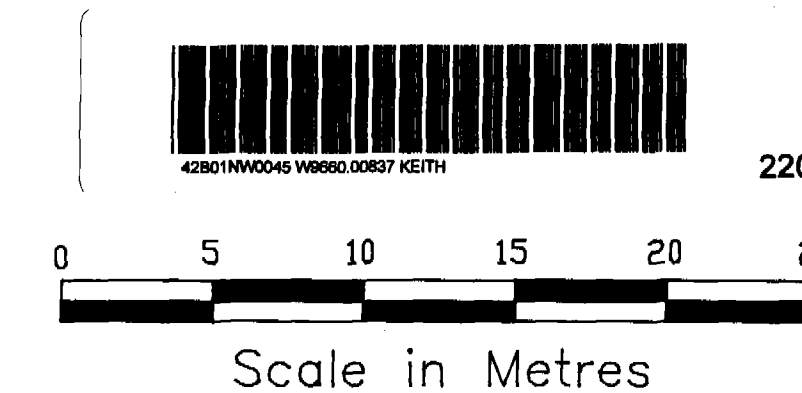
GEOLOGY LEGEND

- 8 Lamprophyre
- 7 Serpentinite
- 6 Felsic Intrusive
 - (a) Altered (Quartz) Feldspar Porphyry
- 5 Intermediate to Basic Intrusive
- 4 Metasediments
 - (a) Conglomerate
 - (b) Arkose/Greywacke
 - (c) Argillite
 - (d) Quartzite
 - (e) Iron Formation
- 3 Felsic Metavolcanics
 - (a) Fragmental
 - (b) Tuff
 - (c) Massive
- 2 Intermediate to Mafic Metavolcanics
 - (a) Pillowed
 - (b) Tuff
 - (c) Massive
- 1 Ultramafic Metavolcanics
 - (a) Spinifex Textured
 - (b) Massive

MODIFIERS

- F.Z. Fault Zone
- cb Carbonitized
- bx Breccia
- ser Sericitized
- gf Graphite
- cl Chloritized
- q-cb Quartz-Carbonate Vein
- q Silicified
- lx Leucoxene Rich

1000 100 Grams per Tonne Au and Sample Interval in Metres

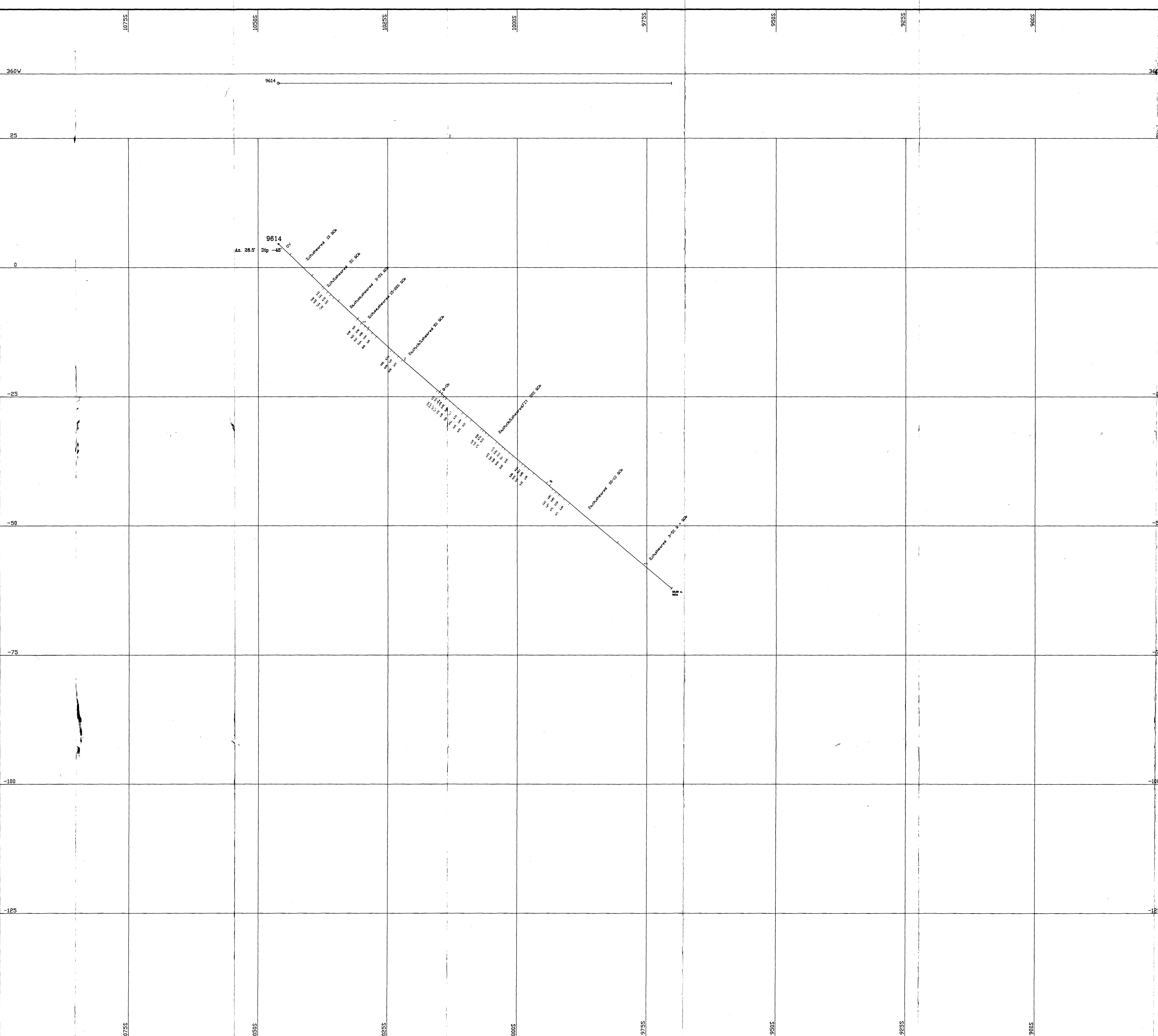


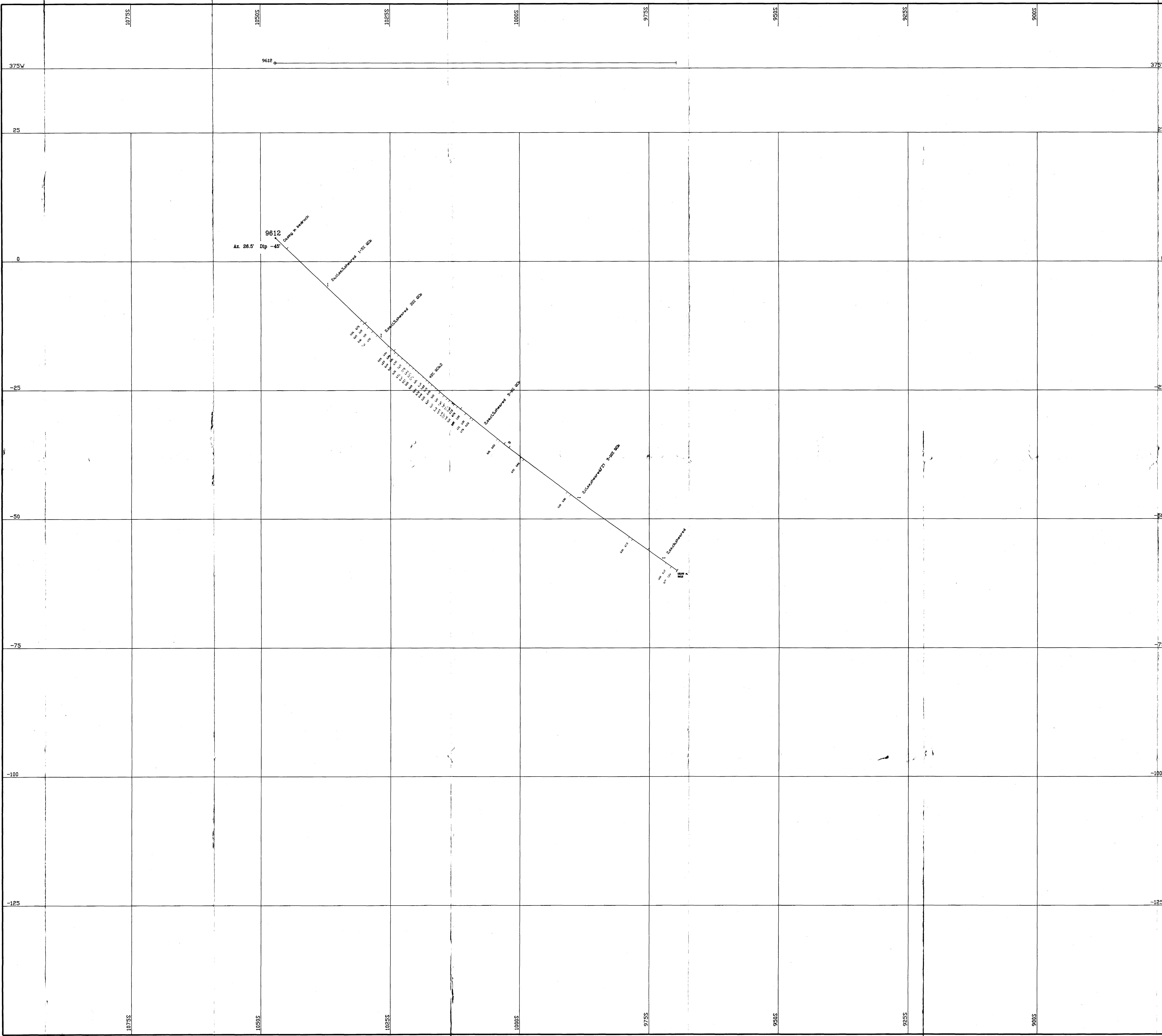
MARSHALL
Minerals Corp.

Sangold Property

HOODOO ZONE
SECTION 360 W

CLAIM: P752149	DATE: Dec. 6, 1996
DRAWN BY: W. MacRae	SCALE: 1:250
COMPILED:	REVISED:





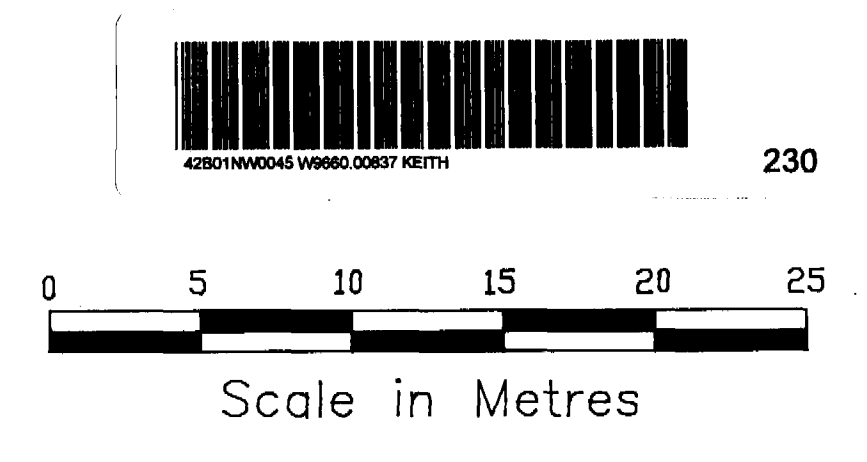
GEOLOGY LEGEND

- 8 Lamprophyre
- 7 Serpentinite
- 6 Felsic Intrusive
 - (a) Altered (Quartz) Feldspar Porphyry
- 5 Intermediate to Basic Intrusive
- 4 Metasediments
 - (a) Conglomerate
 - (b) Arkose/Greywacke
 - (c) Argillite
 - (d) Quartzite
 - (e) Iron Formation
- 3 Felsic Metavolcanics
 - (a) Fragmental
 - (b) Tuff
 - (c) Massive
- 2 Intermediate to Mafic Metavolcanics
 - (a) Pillowed
 - (b) Tuff
 - (c) Massive
- 1 Ultramafic Metavolcanics
 - (a) Spinifex Textured
 - (b) Massive

MODIFIERS

- F.Z. Fault Zone
- cb Carbonitized
- bx Breccia
- ser Sericitized
- gf Graphite
- cl Chloritized
- q-cb Quartz-Carbonate Vein
- q Silicified
- lx Leucoxene Rich

Grams per Tonne Au and Sample Interval in Metres

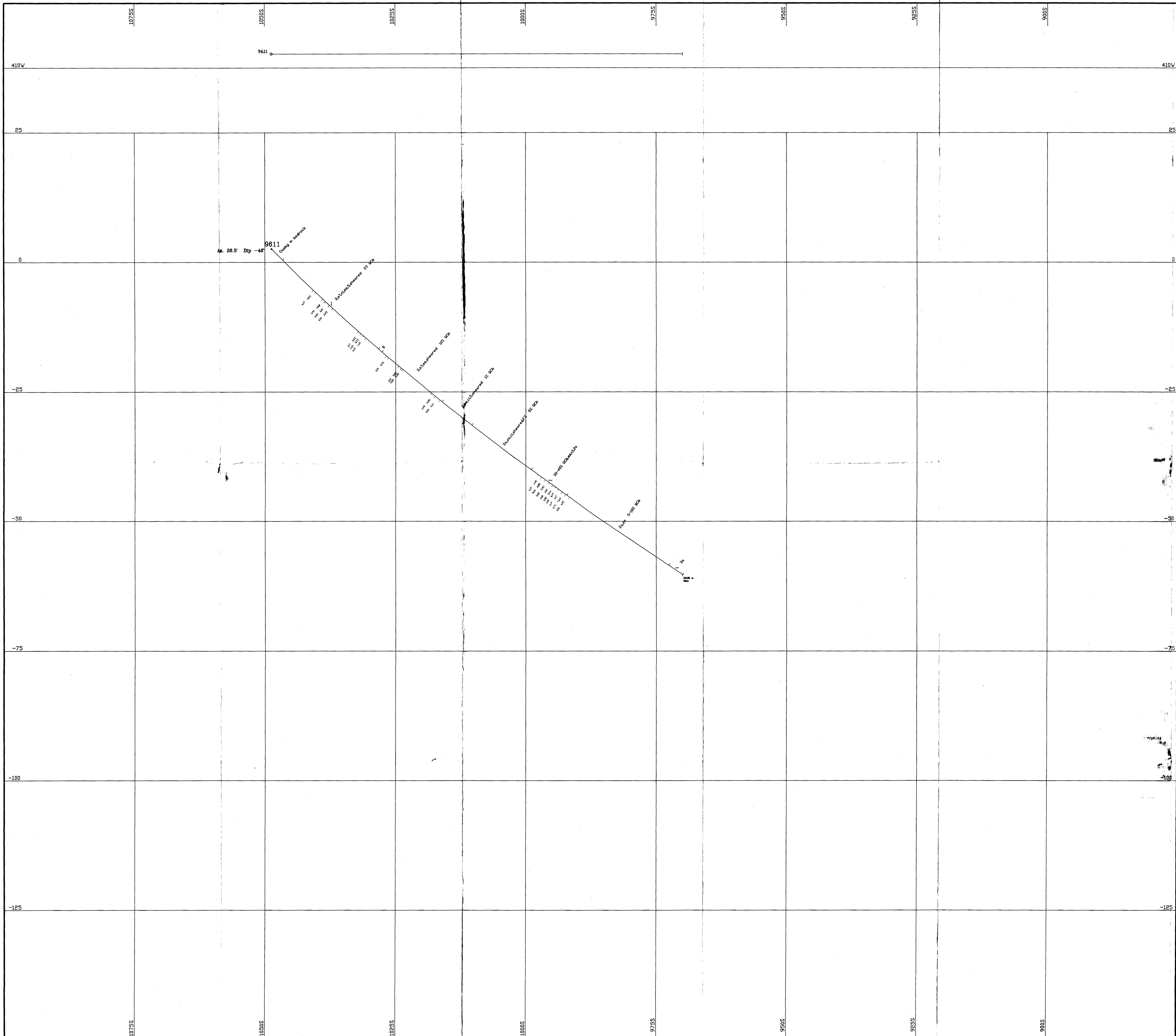


B. MacRae
MARSHALL
 Minerals Corp.

Sangold Property

HOODOO ZONE
 SECTION 375 W

CLAIM: P752149	DATE: Dec. 6, 1996
DRAWN BY: W. MacRae	SCALE: 1:250
COMPILED:	REVISED:



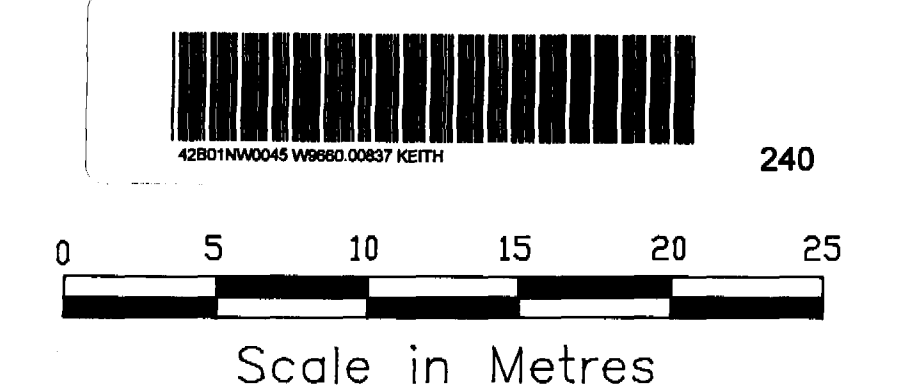
GEOLOGY LEGEND

- 8 Lamprophyre
- 7 Serpentinite
- 6 Felsic Intrusive
 - (a) Altered (Quartz) Feldspar Porphyry
- 5 Intermediate to Basic Intrusive
- 4 Metasediments
 - (a) Conglomerate
 - (b) Arkose/Greywacke
 - (c) Argillite
 - (d) Quartzite
 - (e) Iron Formation
- 3 Felsic Metavolcanics
 - (a) Fragmental
 - (b) Tuff
 - (c) Massive
- 2 Intermediate to Mafic Metavolcanics
 - (a) Pillowed
 - (b) Tuff
 - (c) Massive
- 1 Ultramafic Metavolcanics
 - (a) Spinifex Textured
 - (b) Massive

MODIFIERS

- F.Z. Fault Zone
- cb Carbonitized
- bx Breccia
- ser Sericitized
- gf Graphite
- cl Chloritized
- q-cb Quartz-Carbonate Vein
- q Silicified
- lx Leucoxene Rich

GRAMS PER TONNE AU AND SAMPLE INTERVAL IN METRES

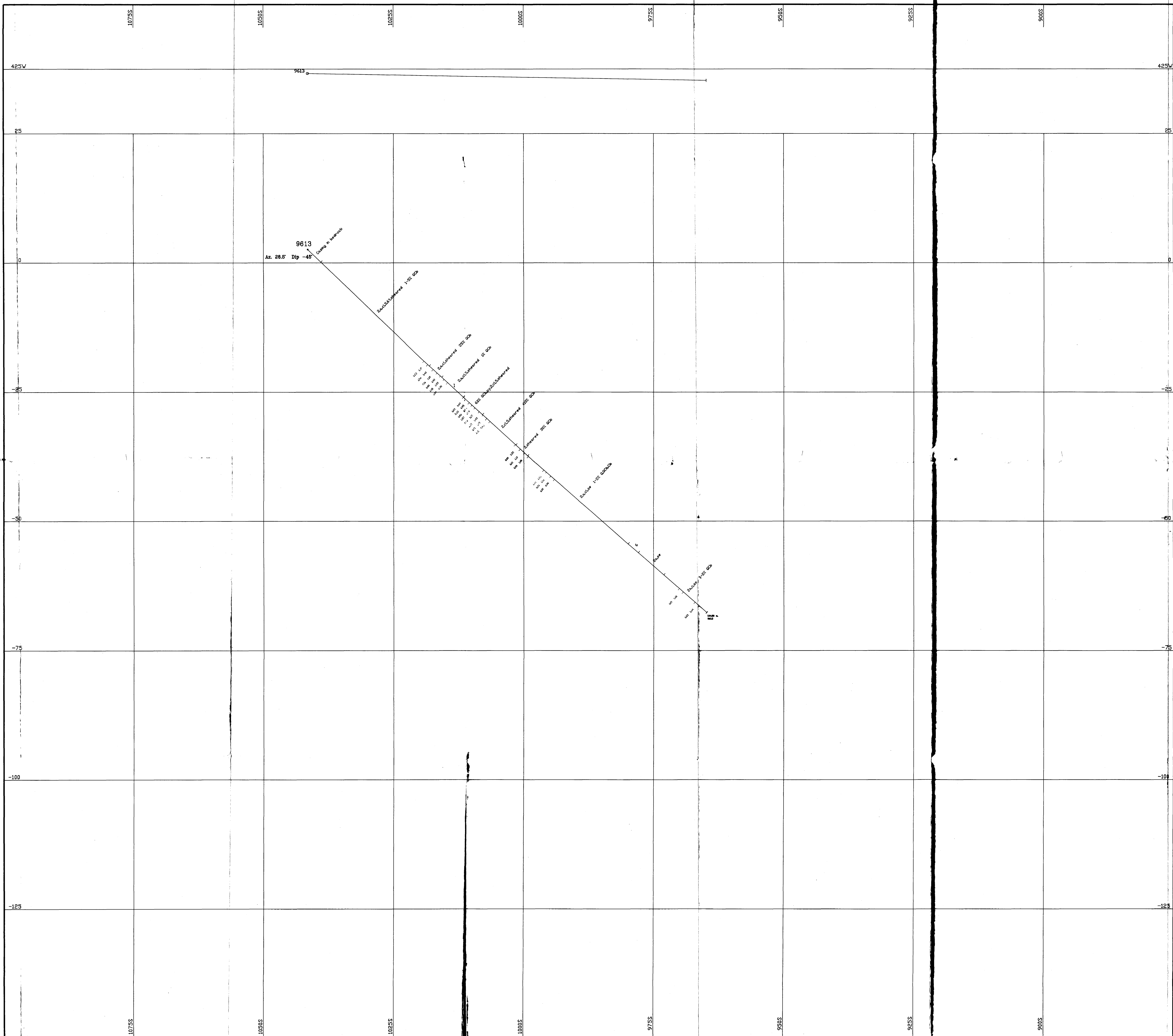


B.A. MacRae
MARSHALL
 Minerals Corp.

Sangold Property

HOODOO ZONE
 SECTION 410 W

CLAIM: P752149	DATE: Dec. 6, 1996
DRAWN BY: W. MacRae	SCALE: 1:250
COMPILED:	REVISED:



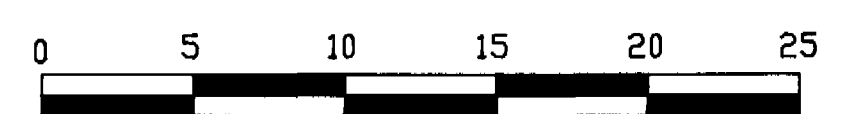
GEOLOGY LEGEND

- 8 Lamprophyre
- 7 Serpentinite
- 6 Felsic Intrusive
 - (a) Altered (Quartz) Feldspar Porphyry
- 5 Intermediate to Basic Intrusive
- 4 Metasediments
 - (a) Conglomerate
 - (b) Arkose/Greywacke
 - (c) Argillite
 - (d) Quartzite
 - (e) Iron Formation
- 3 Felsic Metavolcanics
 - (a) Fragmental
 - (b) Tuff
 - (c) Massive
- 2 Intermediate to Mafic Metavolcanics
 - (a) Pillowed
 - (b) Tuff
 - (c) Massive
- 1 Ultramafic Metavolcanics
 - (a) Spinifex Textured
 - (b) Massive

MODIFIERS

- F.Z. Fault Zone
- cb Carbonitized
- bx Breccia
- ser Sericitized
- gf Graphite
- cl Chloritized
- q-cb Quartz-Carbonate Vein
- q Silicified
- lx Leucoxene Rich

Grams per Tonne Au and Sample Interval in Metres



Scale in Metres

W. MacRae
MARSHALL
 Minerals Corp.

Sangold Property

HOODOO ZONE
 SECTION 425 W

CLAIM: P752149	DATE: Dec. 6, 1996
DRAWN BY: W. MacRae	SCALE: 1:250
COMPILED:	REVISED: