

DIAMOND DRILL HOLE LOG

Reason for Drilling Test for min² between 87-P62 & 87-P64, but at a greater depth than 88-P61.

Explanation of Results

LEGEND

ACT REMN	STR. USIN. OR STR.
RHYL DYKE	OR QRSX BY.
QFP	BRCC's
ANDS DYKE	shearing.
	Abundance of black
	minerals

PROJECT POP - GODDELL

COORDINATE N.

F

ELEVATION 1278 M

DATE STARTED SEPT 14/88

COMPLETED SEPT 24/88.

HOLE SURVEY 17+7' Corrected dip = -72.5°
(dip test)

NOI E No. 88-462

DEPTH 1747.0 ft. (532.5 m)


AZIMUTH 147°

INCLINATION -75°

DRILLED BY COATS

ASSAYED BY DONALD CLEGG & McME.

LOGGED BY TERRY BLANT & JOHN BARR

					LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT	SAMPLE		ANALYTICAL		
BOX	Run	Core	%R	R.Q.D.					Sample No.	INTERCEPT	CORE LENGTH	O.P.T. A ₈	O.P.T. A ₉
					<p><u>ALTERED QUARTZ MONZONITE (2.00-1062.6)</u></p> <p>c.g.^{ed}, equigranular; Colour is generally mottled & varies from light green to dark green to white to pink to red to brown to cream coloured; Altⁿ is chl, ac, gte/ser, leucopene, loc hem specs & loc int arg altⁿ at fsp pheno^s; From 2.00-2720, mod to int fcd sta is common, especially on fracs & shear zones; Loc ANDS dykes; Disensional xenoliths present; minor loc aplite dykelets present; Loc shears & shear zones occur; Locally, black sulfide gouge is present in shears; frequent gte/carbst & gte str^s & occasional gte/py str^s are present; py content is <1% overall & occurs as blebs, diss^d or conc^d on frac^s & str^s; Rare Ep spots exist.</p> <p>57.9-82.1 Fg^{ed} to locally porphyritic, dark green ANDS dyke; where dyke is porphyritic, fsp pheno^s are generally $\frac{1}{4}$-1mm; Upp^r & low^r contacts are irregular; several gte/carb whips, str^s & gash infillings are present.</p>								
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OMNI RESOURCES INC.

PROJECT Pop-Goddel

DIAMOND DRILL HOLE No. 88 P62 SHOT 2 OF 15

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE		CORE LENGTH	ANALYTICAL	
									Sample No.	INTEREST		O.P.T. Au	GRT Ag
								260					
								280					
								300					
								320					
								340					
								360					
								380					
								400					
								420					
								440					
								460					
								480					
								500					
								520					
								540					

<1% py (blebs,
disse or conc'd
on frac^s).

all, calcite, hematite, barite, etc. clay, rust, etc.

PROJECT POP-GODDELL

DIAMOND DRILL HOLE No. 89 P62 Sheet 3 of 15

PROJECT					DIAMOND DRILL HOLE No. 88 P62					Sheet 3 of 15			
BOX	Run	Core	% R	R.D.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL	
									Sample No.	INTERSECT	CORE LENGTH	G.P.T. Au	G.R.T. Ag
					629.0 4 m brn zone of gta + azmv @ 25° to CIA; 1 m of black ss gouge is present.			560					
					626.5-627.2 sheared azmv + white gta vein; vpp contact @ 45° to CIA; low contact @ 25° to CIA.			580					
								600					
								620					
								640					
								660					
								680					
								700					
								720					
								740					
								760					
								780					
								800					
								820					
								840					
					830.0 Int glaucophane begins.								

BOX Run Core % R R.Q.D.					LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL (PPM)									
								Sample No.	INTERMET	CORE LENGTH	Q.P.T. Au	Q.P.T. Ag	Cu	Pb	Zn	As	Sb	Bi	Hg		
						840															
						860															
						880															
						900															
						920															
						940															
						960															
						980															
						1000															
						1020															
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						1440															
						1460															
						1480															

DIAMOND DRILL HOLE No. 09-162 SHAW 5 21 15																				
BOX	Run	Core	% R	R.O.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE		ANALYTICAL (PPM)									
									Sample No.	INTEREST	CORE LENGTH	O.P.T. Au	O.P.T. Ag	Cu	Pb	Zn	As	Sb	Bi	Hg
107	10.0	9.9	79	.94	Low contact @ 70" to 2/A. 1080.8 - 1089.3 Black breccia bands consisting of rounded to sub-rounded frags of RHYL, gte, loc bleached quartz + loc. black frags of unknown identity, all in a fine black ss matrix; 1% py; low contact @ 25" to 2/A. 1075.0 - 1091.2 Crackle fractured & brecciated. 1090.5 4 in gte / py breccia.	1080 1% py.	SCV.	20	57716	1080.0 - 1095.0	5.0	Tr (Greenish)	.003 (Greenish)	3	34	42	1750			
	10.0	10.0	100	.87	NORTH QUARTZ-FELDSPAR PORPHYRY (RHYL dyke) (1091.2 - 1142.2) Porphyritic in a fine matrix; 10% gte eyes, generally 1-2 mm; 0% fsp phenos; generally 1-2 mm; colour is greenish-buff & locally reddish-brown; Al ²⁺ is loc. here & loc. ser & ankerite; 10% QFP xenoliths present; the xenoliths have a lower density of fsp phenos & gte eyes; minerals thin gte/carb str.	1090 1100 1110 NONE 1120 1130			57717	1095.0 - 1096.0	5.0	.001 (Greenish)	.003 (Greenish)	3	31	47	973			
107							2c. here, 1137" & ankerite. 2.5 gte / ser.	42	57718	1090.0 - 1091.2	1.2	.013 (Greenish)	.03 (Greenish)	19	165	491	156			
	10.0	9.9	99	.75	1137.9 - 1139.9 Breccia & crackle fractured; locally, black ss gouge exists between breccia frags; from 1139.5 - 1139.8 is a quartz inclusion; low contact @ 70" to 2/A. ALTERED QUARTZ MONOMITE (1142.2 - 1224.8) As before; Al ²⁺ is int. gte/ser; QFP contact @ 42" to 2/A; loc. sil; loc. crackle breccia.	< 1% py. 1% py			57686	1137.9 - 1139.9	2.0	.001	.01	30	70	180	24	2	.22	
107	10.0	10.0	100	.68	1149.4 - 1153.4 Loc. breccia & sheared mylonitic bands containing rounded or streaked out frags of gte & bleached quartz within a black fine ss matrix; loc. gte ser; black ss bands are @ 25" to 2/A. 1153.4 - 1156.4 Loc. sheared & black ss gouge & loc. minor gte str.	1150 1155 4% py.	57687	1146.4 - 1152.4	5.0	.001	.03	19	45	460	19	2	.17			
							57688	1153.4 - 1156.4	3.0	.001	.04	13	93	972	10	2	.15			

PROJECT POP - GODDELL

DIAMOND DRILL HOLE No. 88-P62 6 15

[illegible]

PROJECT - POP - GODDELL					DIAMOND DRILL HOLE No. 88-162															8		15	
BOX	Run	Core	% R	R.O.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE	ANALYTICAL (PPM)													
									Sample No.	INTERCPT	CORE LENGTH	O.P.T. Au	QRT Ag	Cu	Pb	Zn	As	Sb	Bi	Hg			
	10.0	10.0	100	.86	1313.2-1317.2 AN ⁴ 22mm. 1317.2-1319.7 7.5" AN ⁴ dyke, in situ, dark grey; v. fine grained, 0.1" to 0.2" in c/a, low contact 10° to c/a. 1319.7-1321.7 Int'ly sheared, brown & locally mylonite banded; mylonite bands are 0.1" to 0.2" to c/a & have black ex. gauge; shearing is 0° to 25° to c/a. 1321.7-1323.0 F. g. dyke - gte eye porphyry; several thin frac' have black ex. material in between. 1323.0-1325.7 AN ⁴ 22mm. dyke. 1325.7-1328.2 Int'ly sheared & banded; shears are 0° to 25° to c/a. 1328.2-1332.7 Brown & mylonite banded; mylonite bands are 0.1" to 0.2" to c/a & are commonly filled w/ black ex. gauge.	1% py.		59693	1347.7-1349.7	5.0	.004	.03		31	147	96	160	2	.01				
1313						<1% py.		59694	1349.7-1351.7	5.0	.005	.03		20	212	685	50	2	.01				
	10.0	9.7	97	.63		2% py.		59695	1351.7-1353.7	5.0	.013	.05		17	92	1058	48	2	.01				
1313						3% py.		59696	1353.7-1355.7	5.3	.003 (Geechem)	.003 (Geechem)		4	23	36	213						
1313	4.0	3.5	88	.63		4% py.		59697	1355.7-1357.7	3.2	.002 (Geechem)	.01 (Geechem)		11	10	43	164						
1313						<1% py.		59698	1357.7-1359.7	3.8	Tr (Geechem)	.003 (Geechem)		4	9	36	33						
	10.0	9.8	97	.84		2-3% py.		59699	1359.7-1361.7	3.7	.001 (Geechem)	.003 (Geechem)		14	14	53	241						
1313						3% py.		59700	1361.7-1363.7	2.4	.002 (Geechem)	.003 (Geechem)		4	16	60	160						
						<1% py.		59751	1363.7-1365.7	3.6	.001 (Geechem)	.003 (Geechem)		4	11	52	66						
	97		.57		1343.3 FAULT ZONE (HEALED) of QUARTZ MONZONITE BRECCIA w/ BROWN TO BLACK MATRIX - occas. frags to 20cm. Mainly <3cm. - upper contact 10° to c/a. - lwr. contact 30° to c/a. - Banding mainly 30° to c/a. - matrix supported (60% black or brown) 1346.3-151.3 = Occas. silver needles (<0.3mm) 1351.3-156.3 = shearing 5-10° to c. axis. 1356.3-161.3 = banding 20° to c/a.	1-2% PY 146.5-171.9 = 5% PY Overall 20% PY 150.8-151.3 = 10% PY 151.3-152.5 = Strong (100%) disc py. Silver specks Overall PY = 3-4%		C 59651	1343.3-1346.3	3'	.139	.03		20	16	163	1117						
	98		.97					C 59652	1346.3-1351.3	5'	.164	.05		20	19	149	5004						
								C 59653	1351.3-1356.3	5'	.160	.06		23	34	286	4344						
	100		.88					C 59654	1356.3-1361.3	5'	.044	.05		14	41	193	367						
								C 59655	1361.3-1366.3	5'	.097	.04		13	37	175	571						
1361	2.0	2.0	100%	.20	South QUARTZ-FELDSPAR PORPHYRY (AN ⁴ DYKE) (1366.3-1463.4) Porphyritic = f. g. of groundmass; 20% fsp phen ^o , generally 2-4 mm; 1% gte eyes, generally 2-2 mm; color is generally greenish-green but locally pink; all white spaces are fsp phen ^o are pink & smaller in size than the white ones; all fsp are antedated; all fsp are in size 10-15 (generally 10-15); occasional gte/act etc.	1-2% py		59722	1366.3-1368.3	1.9	.010	.02		30	104	102	27	2	.01				
1361								1370															
1361	8.0	7.4	93%	.16				1370															
1361	4.0	3.1	78%	.09				1380															

PROJECT POP - GODDELLDIAMOND DRILL HOLE No. 88-PC-2 SHAL 9 ST 15

PROJECT POP - GODDELL					DIAMOND DRILL HOLE No. 88-062 SHAL 9 of 15								
BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE		ANALYTICAL		
									Sample No.	INTEREST	CORE LENGTH	Q.P.T. An	Q.P.T. Ag
1381					1381.2 - 1381.8 matrix has a generally pervasive pink coloration (Fig. 44, item 3).	1380							
					1381.8 - 1385.3 Core is bleached & has a generally washed out texture.	1390							
					1385.7 - 1386.6 Bleached & locally sheared & gray; locally, there are black gouge which runs about 1/4".	1400							
						1410							
						1420							
						1430							
						1440							
						1450							
						1455							

PROJECT POP - GOODELLDIAMOND DRILL HOLE No. 88-PG-2Sheet 11 of 15

PROJECT				DIAMOND DRILL HOLE No.				88-PS-2				Sheet 11 of 15												
BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL (PPM)												
									Sample No.	INTERCPT	CORE LENGTH	O.P.T. Au	O.P.T. Ag	Cu	Pb	Zn	As	Si	Bi	Hg				
	10.0	10.0	100	.83		1530																		
1537					1539.4-1542.5 Int'y silica flooded.	1540				59556	1539.4-1542.5	3.1	.011	.01		21	69	584	34	2	.03			
1547					1545.5-1547.5 Int'y silica flooded.																			
					1554.8-1566.5 Med'y sil'd.	1550 2-3% py, Trace aspy needles.																		
						1560																		
1567					1569.5-1570.4 Med. sh zone. 1570.4-1575.3 Top porphyritic ANV. DYKE; 15% euhedral fsp phen's; occasional qtz, euh; then spers common; w/ser. alt's; fsp phen's have int. arg. alt's; upr' contact @ (65") to c/a; low contact @ 70" to c/a. 1575.3-1576.0 Stained & bear' Q.M.N. & much blank ex. material present. 1576.0-1581.2 Sil'd & crackle fractured @ low shearing.	1570 Trace py.				59557	1575.3-1577.0	1.7	.020	.04		46	66	1343	54	2	.25			
1577	10.0	10.0	100	.69		1580 2-3% py, 2-3% aspy needles.				59558	1577.0-1581.2	4.2	.069	.05		64	145	3721	97	2	.70			
1587				.74	1581.2-1585.2 = QTZ MONZONITE BRECCIA = Strongly alt'd Lwr contact, isoz. at 200' to c/a = 5% black gauge banding 500' to c/a	1580 2-3% py, <10% aspy needles, minor aspy & sl.				C59658	1581.2 -1585.2	4'	.02 (wet assay)	.13 (wet assay)		64	70	159	3194					
1597					1585.2 MIXED ZONE OF MINERALIZED ANDESITE and ALT'D QTZ. MONZ. - Andesite is gray and clgs. 10% bright green sericitic specks 1/4-1mm. across 1585.2-86.4' = And. Strongly min'd w. 20% py 1% Aspy; 1-2% aspy needles, 8 mm. Q.M.N. at lwr. contact 1586.4-1589.2 = Q.M. bxa. Lwr. cont. 45' ca 2% Bl. gauge #1588.4 = Str. min'd frag. of Q.M. BRATED w. 10% sl, 10% py, 3% aspy 1589.2-1594.2 = AND. DYKE - lwr. cont. 7450 to c/a. FRAGS. RECD. w. 10-50% sulphides	1585 20% py, 1% Aspy 1-2% aspy needles Minor sl. Patchy lwr. circ. blast of py (10%) across aspy needles. 1590 Str. min'd frag. at contact 1592.5' aspy needles			C59659	1585.2- 1590.2'	5'	.382	.15		49	35	197	123						
1607						1590.5' aspy needles				C59660	1590.2 -1595.2'	5'	.214	.01		15	17	146	10					

PROJECT POP GODDELL

DIAMOND DRILL HOLE No. 88 PG 2 12 15

BOX	Run	Core	%R	R.D.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL (PPM)									
									Sample No.	INTERCUT	CORE LENGTH	O.P.T. Au	O.R.T. Ag	Cu	PL	Zn	As	Sb	Bi	Hg	
84				88	2 events of minz. (1) Early MS. sulphid frags & later Qtz - carb. - aspy needles - Py. AND ch. by Q-carb. ms. 1594.2 - 1596.9' = ALT'D QTZ. MONZ. - lwr. contact 35-40° to c.a. → Low GRADE (<1% Py) 1596.9 - 1601.4' = MINZ'D ANDESITE	1592.5 3-5% sulphides incl. clusters of radiating aspy needles 1595			C59661	1595.2' - 1600.2'	5'	<.01 (wet assay)	.02 (wet assay)	122	14	779	4655				
				99	1598.5' - 1599.2' = FRAG of QTZ. MONZ. 1601.4' = Q. MONZ. Lwr. contact 10-20° to c.a.	1600 Weakly minz'd <1/10% Py			C59662	1600.2' - 1605.2'	5'	.01 (wet assay)	.03 (wet assay)	28	19	104	7101				
				98	1603.5 = ANDESITE - 10% Q-Carb. gashes & patches Lwr. contact ground at 80° to c.a.; Contact brecciated 1605.8' = ALT'D QTZ. MONZ. 1606.7 - 1607' = Minor Black Bio Gouge	5% Py; 1/2% aspy needles 1605 30% Py Minor Cpx or Pl 3 specks 1610 10% Pl & L oxide or sulphide 5-10% white Q-carb. 50% Py; 1/2% aspy needles			C59663	1605.2' - 1610.2'	5'	.291	.12	57	54	128	7611				
85				94	Lwr. contact 20° to c.a. 1611.2' = AND. DYKE - 1613.3'	1610 5-10% white Q-carb. 50% Py; 1/2% aspy needles			C59664	1610.2' - 1615.2'	5'	<.01 (wet assay)	.01 (wet assay)	28	10	150	4559				
				99	Lwr. contact 40° to c.a. 1613.3' = ALT'D QTZ. MONZ. Lwr. contact 50° to c.a. 1616.2' = Q-CARB VINED ANDESITE, DYKE - 1627.8'	1615 1-2% Py Some aspy needles			C59665	1615.2' - 1620.2'	5'	<.01 (wet assay)	.02 (wet assay)	21	17	127	4762				
				94	Replacement of sulphides along irreg. fract. Very fine sulphides 10% Qtz. - Carb. BEST GRADE ZONE!	1620 5-7% Py 2-3% aspy needles, black sphalerite 1625 1/2% Minor cpx			C59666	1620.2' - 1625.2'	5'	.01 (wet assay)	.04 (wet assay)	62	65	231	6452				
86				99	Lwr. contact 30° to c.a. 1627.8' = Qtz. Monz	1625 Minz. as at 1615'			C59667	1625.2' - 1630.2'	5'	<.01 (wet assay)	.03 (wet assay)	54	28	97	4445				
				72		1630															

					DIAMOND DRILL HOLE No. 88-PG-2															
					Sheet 13 of 15															
BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE		ANALYTICAL (PPM)									
									Sample No.	INTERCUT	CORE LENGTH	O.P.T. Au	O.P.T. Ag	Cu	Pb	Zn	As	Sb	Bi	Hg
					1630 Contact 20° to c.a. 1631.3 - 1636.5 = MIN'D ANDESITE DYKE Inclusion of Qtz. Monz. from 1633.4 - 1634.2 - BRECCIATED & Mineralized	3% Py 1/2% aspy needles.			C 59668	1630.2' - 1635.2'	5'	<.01 (wet assay)	<.01 (wet assay)	21	17	130	5101			
					1635 ALTERED QUARTZ MONZONITE (1636.5 - 1682.0) e.g., equigranular; color is mottled light green to white to dark gray; dit ^e is int stibite; loc glau-sibite str; loc frac filled & black ss gouge.	2-3% Py 1/4% aspy needles 2% py, 1-2% fig'd aspy. 1/4% aspy needles.			C 59669	1635.2' - 1638.2'	3'	.189	.01	17	13	177	520			
					1640 1643.8 - 1644.5 F.g.d ANDS dykelet; low contact @ 20° to c/a.				C 59670	1638.2 - 1643.8	5.6	.062	.05	44	40	76	3280	200		
					1645 1645.5 1/2 in fracture @ 15° to c/a containing black ss gouge.	2% py, 2% aspy needles. 3% f.g.d aspy.			C 59671	1643.8 - 1648.8	5.0	.070	.04	36	46	123	2157	72		
					1650 1648.7 - 1649.2 High concentration of ex ^d deoz; 5% py, 5% aspy needles & 10% unknown f.g.d black ex.	2% py, 1% aspy needles, 1% f.g.d aspy.			C 59672	1648.8 - 1653.8	5.0	.033	.13	45	15	77	2648	47		
					1655 1653.4 - 1654.3 F.g.d ANDS dykelet; upper contact @ 50° to c/a; lower contact is v. irregular. 1654.6 1/4 in gte/stibite str @ 75° to c/a; 40% stibnite, 5% brown sl.	5% py, 5% aspy needles, 41% sl; 5% stibnite.			C 59673	1653.8 - 1658.8	5.0	.070	.08	27	40	600	5057	2501		
					1660 1657.0 4 in gte/stibite str @ 65° to c/a; 35% stibnite, 4% brown sl.	2% py, 1 1/2% aspy needles.			C 59674	1658.8 - 1663.8	5.0	.003	.05	19	28	80	2604	63		
					1665 1664.6 3/4 in gte/stibite str @ 90° to c/a; 15% stibnite, 3% py, 3% brown sl. 1667.0 - 1667.5 F.g.d ANDS dyke inclusion.	5% py, 1% aspy needles.			C 59675	1663.8 - 1666.4	2.6	.030	.30	164	46	253	2387	212		

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PROJECT POP - GODDELL

DIAMOND DRILL HOLE No. 88-952 15 15

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