

Appendix 6 Mt Porter Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED MAY 2004 AT PIT GULLY												
IDENT	Job number	Project code	pH	EC	Ag_T	Al_T	As_T	Au_T	B_T	Ba_T	Be_T	Bi_T
UNITS			units	µS/cm	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SCHEME			ALK1	ALK1	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M
POWERADE BOTTLE	EL03509	ICPMS SCANS	7.1	248	<0.05	24.8	3.35	<0.01	14	54.4	<0.05	<0.05

Appendix 6 Mt Porter Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED MAY 2004 AT PIT GULLY														
Br_T	Ca_T	Ca_T	Cd_T	Ce_T	Co_T	Cr_T	Cs_T	Cu_T	Dy_T	Er_T	Eu_T	Fe_T	Ga_T	Gd_T
µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
W200M	W200M	W200I	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M
36	>LWR	18.6	0.02	0.04	0.17	0.6	0.04	57.5	0.01	0.01	<0.01	60	0.01	0.01

Appendix 6 Mt Porter Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED MAY 2004 AT PIT GULLY														
Ge T	Hf T	Hg T	Ho T	I T	In T	La T	Li T	Lu T	Mg T	Mg T	Mn T	Mo T	Nb T	Nd T
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200I	W200M	W200M	W200M	W200M
<0.1	<0.01	0.02	<0.01	5	<0.01	0.03	1.3	<0.01	>LWR	16.4	29.3	0.45	<0.02	0.03

Appendix 6 Mt Porter Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED MAY 2004 AT PIT GULLY														
Ni_T	Os_T	Pb_T	Pd_T	Pr_T	Pt_T	Rb_T	Re_T	Sb_T	Sc_T	Se_T	Sm_T	Sn_T	Sr_T	Ta_T
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M
1.07	<0.1	0.3	<0.05	0.01	<0.01	3.97	<0.05	<0.05	7	0.2	0.01	<0.1	77.7	<0.05

Appendix 6 Mt Porter Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED MAY 2004 AT PIT GULLY												
Tb_T	Te_T	Th_T	Ti_T	Tl_T	Tm_T	U_T	V_T	W_T	Y_T	Yb_T	Zn_T	Zr_T
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M	W200M
<0.01	<0.1	<0.01	4	0.05	<0.01	1.97	1.2	<0.05	0.07	<0.01	8.6	<0.05

Appendix 6 Mt Poter Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED APRIL 2005										
IDENT	EC	pH	TDS	Cl	F	NH3 N	NO3 N	SO4 F	Al T	As T
UNITS	µS/cm	units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L
PANDANA WATERHOLE	387	7.3	280	4.8	0.6	0.865	<0.005	14.8	21	152
PIT GULLY SPRING	330	7.6	240	2.2	0.3	<0.005	0.285	7	20.8	88.5
TS4 SWAMPY MEADOW	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TS5 RAINFOREST	262	6.6	190	4.7	0.5	0.085	0.06	66.5	0.16	98.5

Appendix 6 Mt Poter Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED APRIL 2005											
IDENT	B T	Ba T	Be T	Bi T	Ca T	Cd T	Co T	Cr T	Cu T	Fe T	K T
UNITS	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L
PANDANA WATERHOLE	0.04	0.1	2.4	1.7	41.9	1.54	0.025	0.04	0.05	56.5	5.7
PIT GULLY SPRING	0.03	0.075	1.25	0.5	30.3	1.1	0.025	0.06	0.09	51.5	2.4
TS4 SWAMPY MEADOW	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TS5 RAINFOREST	<0.01	0.08	0.15	<0.05	11.3	0.12	0.01	<0.02	<0.005	21.5	3.1

Appendix 6 Mt Poter Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED APRIL 2005											
IDENT	Li T	Mg T	Mn T	Mo T	Ni T	P T	Pb T	S T	Se T	Si T	Sr T
UNITS	µg/L	mg/L	mg/L	µg/L	mg/L	mg/L	µg/L	mg/L	µg/L	mg/L	mg/L
PANDANA WATERHOLE	41	29.4	3.44	0.5	0.04	0.4	133	5.86	1	57.7	0.085
PIT GULLY SPRING	30.5	28.5	--	0.45	0.05	0.3	375	2.42	1.2	46.1	0.135
TS4 SWAMPY MEADOW	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TS5 RAINFOREST	7.1	18	--	0.5	<0.01	0.1	4.33	22	0.4	12.8	0.045

Appendix 6 Mt Pater Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED APRIL 2005				
IDENT	Tl T	U T	V T	Zn T
UNITS	µg/L	µg/L	mg/L	mg/L
PANDANA WATERHOLE	0.7	4.05	0.06	0.555
PIT GULLY SPRING	0.67	2.81	0.18	0.58
TS4 SWAMPY MEADOW	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TS5 RAINFOREST	0.06	0.142	<0.01	0.105

Appendix 6 Water Quality Analysis Results

SOIL LEACHATE ANALYSIS APRIL 2005														
Moisture	paste EC	paste pH	Cl	paste F	ste NH3 N	NO3 N	SO4 =	Al	As	B	Ba	Be	Bi	Ca
%	µS/cm	units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	µg/kg	µg/kg	mg/kg
MOIST1	EA	EA	FIA_4	FISE_P	FIA	FIA_4	C104I	G905I	G905M	G905I	G905I	G905M	G905M	G905I
47.7	359	7	5	3	4.1	3.3	600	12.3	135	0.2	0.02	<5	1	144
43.2	200	5.9	3	2	4.4	0.86	300	80.3	355	0.3	0.2	<5	1	44.5
L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
43.8	264	5	17.5	0.5	21.4	0.26	9400	27.4	155	0.3	0.54	<5	<1	59.5

Appendix 6 Water Quality Analysis Results

SOIL LEACHATE ANALYSIS APRIL 2005														
Cd	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Ni	P	Pb	S	Se
µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	µg/kg	mg/kg	µg/kg
G905M	G905I	G905I	G905I	G905I	G905I	G905M	G905I	G905I	G905M	G905I	G905I	G905M	G905I	G905M
<5	0.02	<0.05	0.22	11	36.5	110	64	0.64	30	<0.05	1	47	137	<20
<5	0.04	0.1	0.42	72.6	28	90	37	1.62	14	0.15	0.5	252	55.5	<20
L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
<5	0.44	<0.05	0.14	33.4	30.5	125	76.5	9.44	<5	0.4	0.5	188	108	<20

Appendix 6 Water Quality Analysis Results

SOIL LEACHATE ANALYSIS APRIL 2005														
Si	Sr	Tl	U	V	Zn	As	Ba	Bi	Cd	Co	Cr	Cu	Fe	Mn
mg/kg	mg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	ppm	mg/kg	mg/kg	ppm	ppm	ppm	ppm	ppm
G905I	G905I	G905M	G905M	G905I	G905I	G310M	G310I	G310M	G310M	G310I	G310I	G310I	G310I	G310I
76	0.16	<0.5	1	<0.05	0.22	33.5	44	3.22	1.15	14	50	62	52000	480
164	0.22	2	8	0.2	0.48	328	114	1.5	0.75	22	95	165	104000	872
L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
78	0.2	3.5	10	<0.05	2.48	123	136	0.78	1.25	30	40	56	77300	488

Appendix 6 Water Quality Analysis Results

SOIL LEACHATE ANALYSIS APRIL 2005										
Mo	Ni	P	Pb	S	Se	Sr	Ti	U	V	Zn
mg/kg	ppm	ppm	mg/kg	ppm	mg/kg	ppm	mg/kg	mg/kg	ppm	ppm
G310M	G310I	G310I	G310M	G310I	G310M	G310I	G310M	G310M	G310I	G310I
0.25	34	130	89.8	1240	2	14	0.56	1.6	28	644
2.4	68	250	418	400	4	28	0.87	7.25	152	460
L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
4.4	40	330	403	3000	4	18	0.74	4.85	76	512

Appendix 6 Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED JUNE 2006															
IDENT	Job number	Project code	pH	EC	Alkalinity	CO3	HCO3	OH	Turbidity	TSS	TDS	NO2 N	NO2	NO3 N	NO3
UNITS			units	µS/cm	mg/L	mg/L	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SCHEME			ALK1	ALK1	ALK1	ALK1	ALK1	ALK1	TURB	TSSTDs	TSSTDs	FIA 4	FIA 4	FIA 4	FIA 4
M1 SPRING	EL06064	WATER SAM	7.2	220	94	<1	94	<1	3	<10	180	<0.005	<0.02	0.01	0.04
M4 RAINFOREST	EL06064	WATER SAM	6.7	242	110	<1	110	<1	<1	<10	190	<0.005	<0.02	0.015	0.08

Appendix 6 Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED JUNE 2006																	
Cl	PO4 P	NH3 N	F	Ca F	K F	Mg F	Na F	SO4 F	SiO2	Al F	As F	B F	Ba F	Be F	Bi F	Cd F	Co F
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FIA 4	FIA 4	FIA	FISE1	W108I	W108I	W108I	W108I	W108I	W108I	W100M	W100M	W100M	W100M	W100M	W100M	W100M	W100M
1.3	0.02	0.005	0.3	14.7	1.2	13.8	12.1	18.3	43.8	14.9	5.4	11	42.2	<0.05	<0.05	0.02	0.43
2.3	0.015	<0.005	0.2	16.3	2.2	17.5	10.7	12.6	45.6	2	1.65	12	57.2	<0.05	<0.05	0.1	0.38

Appendix 6 Water Quality Analysis Results

WATER QUALITY ANALYSIS PERFORMED JUNE 2006															
Cr F	Cu F	Fe F	Li F	Mn F	Mo F	Ni F	Pb F	Sb F	Se F	Sr F	Th F	Tl F	U F	V F	Zn F
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
W100M	W100M	W100M	W100M	W100M	W100M	W100M	W100M	W100M	W100M	W100M	W100M	W100M	W100M	W100M	W100M
<0.1	0.82	20	2.1	59	0.4	1.35	0.05	<0.05	0.4	57.2	<0.01	0.05	0.357	1.3	3.2
<0.1	0.55	40	4.7	51.2	0.25	1.76	0.67	0.05	0.2	49.8	<0.01	0.02	0.222	0.6	20.6