

TABLES

Table 2-1. Stratigraphic sequence and lithologies at the Rum Jungle mine site (adapted from Coffey, 2006)

Graphic	Lithology	Formation	Group
	Hematitic quartzite breccia	Geolsec Formation	
	Calcareous and carbonaceous pyritic pelites, marl, amphibolite dykes, and quartzite	Whites Formation	Mount Partridge
	Stromatolitic dolostone and magnesite, minor interbeds of metapelite and para amphibolite Brecciated zones are associated with faulting Vuggy recrystallized zones (from metamorphosis) occur throughout the rock and karstic zones are present near the surface	Coomalie Formation	
	Arkosic arenite, quartz arenite, and conglomerate	Crater Formation	
	Granitoid	Granitoid	Rum Jungle Complex

Table 3-1a. Summary of historic monitoring bores near White's and Intermediate Overburden Heaps

Bore ID	Installation Date	Location/description	Easting	Northing	Total depth	Screened Interval	Stickup ²	TOC ³	Screened lithology	Yield
			(MGA94 Zone 56)		(m bgs) ¹	(m bgs) ¹	(m ags) ²	(m AHD 71)		L/s
Near the White's and Intermediate Overburden Heaps										
RN022037	May-83	SE of the Intermediate Overburden Heap	717564	8562777	22.8	16 to 22	0.51	67.18	Rum Jungle Complex (wtr)	0.1
RN022039	May-83	Between White's and Intermediate Overburden Heaps (near EFDC)	717650	8562960	18.0	12 to 18	0.32	67.73	Quartz gravels	5
RN022081	May-83	Between White's and Intermediate Overburden Heaps (near EFDC)	717669	8562959	43.9	40.7 to 43.9	0.86	68.75	Coomalie Dolomite	7.5
RN022082S	June-83	On top of White's Overburden Heap	718068	8562447	17.0	11 to 17	0.49	94.24	Rum Jungle Complex (wtr)	0.1
RN022082D	June-83	On top of White's Overburden Heap	718068	8562447	52.0	37 to 52	0.33	94.38	Rum Jungle Complex	0.1
RN022083	June-83	East of White's Overburden Heap near Fitch Creek	718282	8562532	17.9	10 to 16	0.35	68.59	Rum Jungle Complex	0.6
RN022084	June-83	Near SW toe of White's Overburden Heap	717738	8562411	32.0	24 to 32	0.07	69.15	Rum Jungle Complex (wtr)	<0.1
RN022085	Jun-83	Upgradient of mine site	717224	8562457	32.0	24 to 32	0.92	73.99	Coomalie Dolomite	5
RN022410	Oct-83	East of White's Overburden Heap (near drainage channel)	718229	8562758	1.9	0.3 to 1.1	0.50	64.45	Rum Jungle Complex (wtr)	0.5
RN022411	Oct-83	East of White's Overburden Heap (near drainage channel)	718252	8562776	2.3	0.3 to 1.5	0.79	63.90	Alluvium	-
RN022412	Oct-83	East of White's Overburden Heap (near drainage channel)	718212	8562471	2.7	0.4 to 2.1	0.46	70.43	Rum Jungle Complex (wtr)	0.1
RN022413	Oct-83	East of White's Overburden Heap (near drainage channel)	718244	8562474	2.8	0.4 to 2.4	0.64	70.14	Sandy clay	0.5
RN022414	Oct-83	East of White's Overburden Heap (near drainage channel)	718282	8562524	2.9	0.4 to 2.5	0.63	68.90	Rum Jungle Complex (wtr)	0.1
RN022417	Nov-83	SW of White's Overburden Heap	717586	8562515	3.1	0.4 to 2.5	0.89	66.60	Rum Jungle Complex (wtr)	0.1
RN022418	Nov-83	Near SW toe of White's Overburden Heap	717504	8562526	2.2	0.4 to 2.0	0.53	64.02	Rum Jungle Complex (wtr)	0.1
RN023057	Oct-83	West of Intermediate Overburden Heap	717238	8562787	3.4	1.8 to 2.6	0.72	61.77	Whites Formation (wtr)	-
RN023058	Oct-83	West of Intermediate Overburden Heap	717253	8562775	4.3	2.6 to 3.7	0.65	62.29	Whites Formation (wtr)	-
RN023059	Dec-85	West of Intermediate Overburden Heap	717182	8562846	5.7	4.2 to 5.2	0.76	60.87	Whites Formation (wtr)	-
RN023060	Dec-85	West of Intermediate Overburden Heap	717164	8562818	5.1	4.2 to 5.1		60.87	Whites Formation (wtr)	-
RN023061	Dec-85	Near western toe of White's Overburden Heap	717648	8562539	3.2	1.8 to 2.5	0.74	68.69	Rum Jungle Complex (wtr)	0.1
RN023062	Dec-85	SW of White's Overburden Heap (near Wandering Creek)	717568	8562545	2.8	1.5 to 2.2	0.71	66.28	Rum Jungle Complex (wtr)	0.1
RN023063	Dec-85	SW of White's Overburden Heap (near Wandering Creek)	717489	8562429	2.1	0.9 to 1.3	0.79	65.18	Rum Jungle Complex (wtr)	0.1
RN023064	Dec-85	SW of White's Overburden Heap (near Wandering Creek)	717460	8562514	2.6	1.2 to 1.8	0.82	64.22	Alluvium	-
RN023510	Nov-84	East of White's Overburden Heap (near drainage channel)	718186	8562892	3.1	1.5 to 2.1	1.05	64.27	Laterite	-
RN023511	Nov-84	East of White's Overburden Heap (near drainage channel)	718209	8562827	2.6	1.1 to 1.6	1.12	64.20	Laterite	-
RN023512	Nov-84	East of White's Overburden Heap (near drainage channel)	718256	8562733	2.5	1.1 to 1.5	1.01	64.81	Laterite	-

1. bgs = below ground surface

2. ags = above ground surface

3. TOC = Top of casing

Note: wtr = weathered

Table 3-1a (cont.). Summary of historic monitoring bores near White's and Intermediate Overburden Heaps

Bore ID	Installation Date	Location/description	Easting	Northing	Total depth	Screened Interval	Stickup ²	TOC ³	Screened lithology	Yield
			(MGA94 Zone 56)		(m bgs) ¹	(m bgs) ¹	(m ags) ²	(m AHD 71)		L/s
RN023513	Nov-84	East of White's Overburden Heap (near drainage channel)	718262	8562692	3.2	1.5 to 2.2	0.97	65.63	Laterite	-
RN023514	Nov-84	SW of White's Overburden Heap	717738	8562415	2.8	1.4 to 1.9	0.98	70.07	Laterite	-
RN025160	Jun-87	On top of White's Overburden Heap	717843	8562789	16.9	13.9 to 16.9	0.09	87.02	Waste rock	0
RN025161	Jun-87	On top of White's Overburden Heap	717862	8562584	18.7	15.7 to 18.7	0.03	88.95	Waste rock	-
RN025162	Jun-87	On top of White's Overburden Heap	718067	8562703	20.8	17.8 to 20.8	0.12	84.63	Waste rock	0
RN025163	Jun-87	SE of White's Overburden Heap	718177	8562288	6.0	backfilled	0.31	73.91	Rum Jungle Complex (wtr)	-
RN025165	Jun-87	SW of White's Overburden Heap	717742	8562230	8.2	5.2 to 8.2	0.56	69.92	Rum Jungle Complex (wtr)	-
RN025166	Jun-87	SW of White's Overburden Heap	718059	8562038	6.2	3.2 to 6.2	0.41	77.19	Rum Jungle Complex (wtr)	-
RN025167	Jun-87	SE of White's Overburden Heap	718423	8562099	6.2	3.2 to 6.2	0.36	70.43	Rum Jungle Complex (wtr)	0.1
RN025168	Jun-87	SE of White's Overburden Heap	718352	8562371	9.5	6.5 to 9.5	0.37	69.89	Rum Jungle Complex (wtr)	0.1
RN025169	Jun-87	North of White's Overburden Heap (near EFDC)	717860	8562963	5.8	2.8 to 5.8	0.46	74.57	Laterite	-
RN025170	Jun-87	NW of White's Overburden Heap (near EFDC)	717749	8562927	8.9	5.9 to 8.9	0.43	73.31	Rum Jungle Complex (wtr)	0.1
RN025171	Jun-87	NW of White's Overburden Heap (near EFDC)	717595	8562991	6.2	2.8 to 5.8	0.52	65.97	Laterite	-
RN025172	Jun-87	Near western toe of White's Overburden Heap	717661	8562716	4.7	1.7 to 4.7	0.35	70.28	Rum Jungle Complex (wtr)	-
RN025173	Jun-87	Near SE toe of the Intermediate Overburden Heap	717506	8562747	7.8	5.1 to 8.1	0.37	64.72	Rum Jungle Complex (wtr)	-
RN029990	May-95	NE of White's Overburden Heap (near drainage channel)	718170	8562916	5.8	1.5 to 5.2	0.30	63.57	Rum Jungle Complex	0.1
RN029991	May-95	NE of White's Overburden Heap (near drainage channel)	718165	8562915	2.8	1.0 to 2.6	0.32	63.81	Rum Jungle Complex	0.1
RN029992	May-95	NE of White's Overburden Heap (near drainage channel)	718189	8562894	5.6	1.5 to 5.2	0.31	63.32	Rum Jungle Complex (wtr)	0.4
RN029993	May-95	NE of White's Overburden Heap (near drainage channel)	718208	8562826	7.5	1.0 to 7.2	0.72	63.88	Clay	-
RN029994	May-95	NE of White's Overburden Heap (near drainage channel)	718246	8562752	2.2	1.0 to 2.5	0.50	64.21	Rum Jungle Complex (wtr)	-
RN029995	May-95	NE of White's Overburden Heap (near drainage channel)	718244	8562749	3.5	1.0 to 3.0	0.56	64.39	Rum Jungle Complex	-
RN029997	May-95	SW of White's Overburden Heap	717771	8562384	3.3	1.0 to 3.3	0.36	70.27	Quartz gravels	-
RN029998	May-95	SW of White's Overburden Heap	717774	8562389	5.6	1.0 to 5.6	0.50	70.41	Quartz gravels	-
RN029999	May-95	SW of White's Overburden Heap	717742	8562398	8.5	1.0 to 7.8	0.63	69.87	Quartz gravels	-
RN030000	May-95	SW of White's Overburden Heap	717745	8562406	0.3	1.0 to 7.4	0.62	69.91	Quartz gravels	-
RN030001	May-95	SW of White's Overburden Heap	717695	8562468	6.8	1.0 to 6.6	0.37	68.53	Quartz gravels	-
RN030002	May-95	SW of White's Overburden Heap	717701	8562471	8.9	1.0 to 8.4	0.57	68.91	Quartz gravels	-
RN030003	May-95	SW of White's Overburden Heap	717644	8562535	4.4	0.9 to 3.7	0.59	68.43	Sandstone	-
RN030004	May-95	Near western toe of White's Overburden Heap	717667	8562714	3.4	1.5 to 2.9	0.52	70.80	Sandstone	-

1. bgs = below ground surface

2. ags = above ground surface

3. TOC = Top of casing

Note: wtr = weathered

Table 3-1b. Summary of historic monitoring bores in Dyson's area and in the Old Tailings Dam area

Bore ID	Installation Date	Location/description	Easting	Northing	Total depth	Screened Interval	Stickup ²	TOC ³	Screened lithology	Yield
			(MGA94 Zone 56)		(m bgs) ¹	(m bgs) ¹	(m ags) ²	(m AHD 71)		L/s
Dyson's Area										
RN00259	Jul-44	Army bore	718436	8564278	0.0	-	-	75.58	-	-
RN022035	May-83	Near White's Open Cut	718123	8564277	140.6	backfilled	-	68.01	Whites Formation (pyritic)	0.1
RN022036	May-83	SW of Dyson's (backfilled) Open Cut	718483	8563283	14.2	7 to 12	0.32	76.06	Geolsec Formation	0.0
RN022544	Jan-84	Near eastern edge of White's Open Cut	718087	8563322	44.5	35.2 to 44.5	0.87	65.78	Whites Formation (pyritic)	9.0
RN023051	Dec-85	SW of Dyson's Overburden Heap near upper East Finniss River	719021	8563319	3.1	1.7 to 2.4	0.60	64.06	Alluvium	-
RN023052	Dec-85	SW of Dyson's Overburden Heap near upper East Finniss River	719051	8563319	3.3	1.7 to 2.4	0.67	64.35	Alluvium	-
RN023413	Nov-84	SW of Dyson's Overburden Heap near upper East Finniss River	719155	8563351	3.2	1.3 to 1.8	1.24	64.72	Laterite	-
RN023414	Nov-84	SW of Dyson's Overburden Heap near upper East Finniss River	719196	8563337	2.4	1.0 to 1.5	0.86	64.02	Clay	-
RN023415	Nov-84	SW of Dyson's Overburden Heap near upper East Finniss River	719223	8563329	2.8	1.2 to 1.8	1.33	64.78	Clay	-
RN023416	Nov-84	SW of Dyson's Overburden Heap near upper East Finniss River	719203	8563316	2.8	1.2 to 1.8	1.11	64.30	Clay	-
RN023417	Nov-84	SW of Dyson's Overburden Heap near upper East Finniss River	719166	8563327	2.1	0.3 to 0.8	0.69	64.73	Laterite	-
RN023418	Nov-84	SW of Dyson's Overburden Heap near upper East Finniss River	719141	8563319	2.5	1.0 to 1.3	1.02	64.13	Clay	-
RN023419	Nov-84	SW of Dyson's Overburden Heap near upper East Finniss River	719113	8563309	3.1	1.2 to 1.7	1.10	64.26	Alluvium	-
RN023420	Nov-84	SW of Dyson's Overburden Heap near upper East Finniss River	719151	8563285	1.9	1.3 to 1.9	0.00	64.54	Clay	-
RN023790	May-85	Near SW batter of Dyson's (backfilled) Open Cut	718901	8563545	16.0	10 to 16	0.36	73.95	Coomalie Dolomite	10.0
RN023791	May-85	Near southern batter of Dyson's (backfilled) Open Cut	718755	8563438	2.8	13 to 19	0.78	80.04	Whites Formation	0.2
RN023792	May-85	West of Dyson's (backfilled) Open Cut	718540	8563421	26.2	20 to 26	0.52	83.80	Geolsec Formation	0.2
RN023793	May-85	West of Dyson's (backfilled) Open Cut	718369	8563384	19.3	13.2 to 19.2	0.49	71.20	Whites Formation	0.2
Near the Old Tailings Dam area										
RN023304	Oct-84	Near northern boundary of mine site	718433	8564289	26.4	20.9 to 26.4	0.58	75.97	Coomalie Dolomite	4.0
RN022547	Jan-84	Near northern boundary of mine site	718244	8564495	23.0	17 to 23	0.68	75.32	Whites Formation (pyritic)	1.5
RN022548	Jan-84	Near northern boundary of mine site	718239	8564484	30.5	27.9 to 30.5	0.06	74.82	Coomalie Dolomite	13.5
RN022107	Jun-83	NW of White's Open Cut	717630	8563565	14.8	12.8 to 14.8	0.57	62.88	Coomalie Dolomite	25.0
RN023140	Oct-84	North of Old Tailings Creek	717124	8564296	18.0	11 to 16	0.60	62.32	Coomalie Dolomite	4.2
RN023139	Sep-84	West of East Finniss River (d/s of mine site)	716496	8563833	30.0		0.68	57.37	Geolsec Formation	0.1
RN023302	Oct-84	North of Old Tailings Creek	716661	8564227	12.5	9.5 to 12.5	0.35	57.27	Coomalie Dolomite	1.3

1. bgs = below ground surface
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 3. TOC = Top of casing
 Note: wtr = weathered

Table 3-1c. Summary of historic monitoring bores near the White's and Intermediate Open Cuts

Bore ID	Installation Date	Location/description	Easting	Northing	Total depth	Screened Interval	Stickup ²	TOC ³	Screened lithology	Yield
			(MGA94 Zone 56)		(m bgs) ¹	(m bgs) ¹	(m ags) ²	(m AHD 71)		L/s
Near Open Cuts										
RN022108	May-83	'Open hole' bore near road bridge (now PMB9S/D)	717062	8563079	30.0	open hole'	0.50	59.84	Coomalie Dolomite	30
RN022543	Jan-84	Near Intermediate Open Cut	717290	8563226	33.0	23 to 33	1.08	61.25	Coomalie Dolomite	6.00
RN022546	Jan-84	Near White's Open Cut	717682	8563179	5.4	backfilled?	0.00	64.81	-	-
RN023053	Dec-85	In former copper heap leach area	717411	8563306	3.9	2.1 to 3	0.90	61.95	Whites Formation (wtr)	-
RN023054	Dec-85	In former copper heap leach area	717582	8563353	3.2	1.2 to 2.6	0.58	61.62	Whites Formation (wtr)	-
RN023055	Dec-85	In former copper heap leach area	717528	8563250	4.3	2.5 to 3.6	0.70	62.78	Whites Formation (wtr)	-
RN023056	Dec-85	In former copper heap leach area	717678	8563177	5.4	3.9 to 4.7	0.70	64.86	Whites Formation (wtr)	-
RN023516	Nov-84	Near EFDC (west of Intermediate Open Cut)	717045	8563066	4.9	3.1 to 3.9	0.92	60.40	Alluvium	-
RN023517	Nov-84	Near EFDC (west of Intermediate Open Cut)	717062	8563077	3.1	1.7 to 2.4	0.80	60.25	Alluvium	-
RN023518	Nov-84	Near EFDC (west of Intermediate Open Cut)	717032	8563116	3.0	1.3 to 1.9	0.99	59.34	Alluvium	-
RN023519	Nov-84	Near EFDC (west of Intermediate Open Cut)	717036	8563152	4.7	3.0 to 3.8	0.95	59.35	Alluvium	-
RN022085	Jun-83	Upgradient of mine site	717224	8562457	32.0	24 to 32	0.92	73.99	Coomalie Dolomite	5
On Compass property										
RN023515	Nov-84	Brown's Area	716997	8563050	3.3	1.7 to 2.5	0.77	59.68	Clay	-
RN023137	Sep-84	Brown's Area	716594	8562687	30.0	21 to 40	0.70	67.95	Laterite	-
RN023138	Sep-84	Brown's Area	716837	8562481	30.0	backfilled	0.89	63.02	Whites Formation	0.1
TPB5		Brown's Area	716921	8563048	5.2	-	0.42	59.86	-	-
TPB4		Brown's Area	716572	8563104	30.0	-	0.48	61.60	-	-

1. bgs = below ground surface

2. ags = above ground surface

3. TOC = Top of casing

Note: wtr = weathered

Table 3-2. Summary of bores installed in 2010

Bore ID	Installation Date	Location/description	Easting	Northing	Total depth	Screened Interval	Stickup ²	TOC ³	Screened lithology	Yield
			(MGA94 Zone 56)		(m bgs) ¹	(m bgs) ¹	(m ags) ²	(m AHD 71)		L/s
PMB1a	Nov-10	In drainage channel from Dyson's (backfilled) Open Cut	719072	8563353	3.4	1.4 to 3.4	0.74	69.88	Saprolite	n.d.
PMB1b	Nov-10	Adjacent to braided channel south of Dyson's (backfilled) Open Cut	718974	8563405	3.7	2.2 to 3.7	1.22	70.73	Alluvium	n.d.
PMB2	Nov-10	Bedrock beneath Dyson's area	719062	8563378	18.7	12.7 to 18.7	0.68	70.73	Rum Jungle Complex	0.1
PMB3	Nov-10	Saprolite (and some alluvium) near the head of EFDC	718152	8562971	3.5	1.97 to 3.47	0.66	68.56	Saprolite/alluvium	n.d.
PMB4	Nov-10	Bedrock beneath the EFDC (near White's Overburden Heap)	718157	8562971	15.3	9.34 to 15.34	0.73	68.76	Rum Jungle Complex	0.1
PMB5	Nov-10	Near Intermediate Overburden Heap	717211	8562906	5.0	2.0 to 5.0	0.77	65.44	Overburden	n.d.
PMB6	Nov-10	Bedrock near Intermediate Overburden Heap (next to EFDC)	717200	8562906	25.5	13.5 to 25.5	0.73	66.29	Whites Formation	2
PMB7	Dec-10	Downgradient of Intermediate Open Cut near East Finniss River	717190	8563258	18.0	9 to 18	0.55	65.70	Coomalie Dolomite	1.5
PMB8S	Nov-10	West of the East Finniss River	716781	8563726	14.6	5.56 to 14.56	0.62	65.78	Laterite	n.d.
PMB8D	Nov-10	West of the East Finniss River	716783	8563725	23.0	20 to 23	0.71	65.95	Geolsec Formation	0.1
PMB9S	Dec-10	Near East Finniss River (formerly RN022108)	717059	8563074	29.2	23.4 to 29.4	1.00	65.44	Coomalie Dolomite	n.d.
PMB9D	Dec-10	Near East Finniss River (formerly RN022108)	717059	8563074	61.3	46.26 to 62.26	0.92	65.51	Coomalie Dolomite	n.d.
PMB10	Dec-10	In former copper heap leach area	717515	8563269	32.0	16 to 32	0.55	67.66	Whites Formation	n.d.
PMB11	Dec-10	In former copper heap leach area	717479	8563264	34.5	31.5 to 34.5	0.55	67.61	Alluvium	8
PMB12	Dec-10	North of former heap leach area	717251	8563402	24.6	12.62 to 24.62	0.44	66.73	Coomalie Dolomite	2
PMB13	Dec-10	North of former heap leach area	717248	8563404	60.8	48.77 to 60.77	0.58	66.85	Coomalie Dolomite	2
PMB14	Dec-10	North of White's Open Cut	717548	8563705	16.2	14.23 to 16.23	0.70	69.96	Coomalie Dolomite	50
PMB15	Dec-10	North of White's Open Cut	717695	8563743	24.4	12.41 to 24.41	0.43	68.48	Coomalie Dolomite	1
PMB16	Dec-10	North of former heap leach area	717088	8563304	22.6	13.5 to 22.5	0.26	66.22	Coomalie Dolomite	1
PMB17	Dec-10	North of former heap leach area	717222	8563711	26.0	20 to 26	0.60	68.59	Coomalie Dolomite	10
PMB18	Nov-10	Near Old Tailings Creek	717387	8564067	8.0	1.97 to 7.97	0.48	66.40	Saprolite/alluvium	n.d.
PMB19	Nov-10	Near Old Tailings Creek	717386	8564071	24.5	12.53 to 24.53	0.57	66.35	Coomalie Dolomite	1
PMB20	Nov-10	Downstream of site	715885	8564609	6.9	2.87 to 6.87	1.27	60.48	Alluvium	n.d.
PMB21	Nov-10	Downstream of site	715856	8564636	32.1	12.14 to 32.14	0.67	60.47	Rum Jungle Complex	0.1
PMB22	Dec-10	Near former heap leach area	717363	8563324	24.6	12.58 to 24.58	0.70	67.01	Coomalie Dolomite	n.d.
PMB23	Dec-10	Near former heap leach area	717369	8563209	25.0	13 to 25	0.50	67.25	Coomalie Dolomite	n.d.
PMB24	Dec-10	Near former heap leach area	717342	8563211	16.0	4 to 16	0.61	65.98	Coomalie Dolomite	n.d.

1. bgs = below ground surface

2. ags = above ground surface

3. TOC = Top of casing

Note: wtr = weathered

Table 3-3. Summary of hydraulic testing, Rum Jungle Mine Site (status January 2011)

Bore ID	Lithology (Formation)	Test	Yield (L/s)	Transmissivity T (m ² /day)	Thickness b (m)	Hydr. Cond. K (m/s)	Source
<i>Coomalie Dolomite</i>							
TPB1	Weathered Dolostone (CD)	Pump test	12.5	180	6	3.5E-04	Coffey, 2006
RN22548	Quartz-breccia - Fracture zone (CD)	Pump test	18.8	140	25	6.5E-05	Coffey, 2006
				370	25	1.7E-04	Coffey, 2006
RN23140	Weathered Tremolite Schist & Dolomite (CD)	Pump test	8.0	420	4	1.2E-03	Coffey, 2006
				1050	4	3.0E-03	Coffey, 2006
RN23304	Weathered Tremolite Schist (CD)	Pump test	4.6	15	13	1.3E-05	Coffey, 2006
				40	13	3.6E-05	Coffey, 2006
PMB19	Tremolite schist, fractured (CD)	Slug test	2 to 3	n.a.	n.a.	2.0E-05	RGC, 2011
<i>Whites Formation</i>							
Trial Pit	Schist & Dolostone (CD&WF)						
TPB2	Weathered Dolostone - Fracture Zone (WF)	Pump test	9.5	40	10	4.6E-05	Coffey, 2006
				100	10	1.2E-04	Coffey, 2006
TPB3	Fault Zone (WF)	Pump test	20.0	55	5.5	1.2E-04	Coffey, 2006
RN23137	Meta - Amphibolite (WF)	Pump test	2.9	18	30	6.9E-06	Coffey, 2006
				30	10	3.5E-05	Coffey, 2006
PMB6	Fractured black shale (WF)	Slug test	2.0	n.a.	n.a.	2.0E-05	RGC, 2011
<i>Rum Jungle Complex</i>							
RN22411	Weathered Granite (RJC)	Mini Pump test	0.05	8.9	1.5	6.9E-05	unpubl. data
RN22412	Weathered Granite (RJC)	Mini Pump test	0.05	0.6	0.8	8.7E-06	unpubl. data
RN22417	Weathered Granite (CF)	Mini Pump test	0.01	1	1.1	1.1E-05	unpubl. data
RN25165	Weathered Granite (RJC)	Slug Test	n.a.	n.a.	n.a.	2.0E-07	RGC, 2011
RN25170	Weathered Granite (RJC)	Slug Test	n.a.	n.a.	n.a.	2.0E-06	RGC, 2011
RN25173	Weathered Granite (RJC)	Slug Test	n.a.	n.a.	n.a.	4.0E-06	RGC, 2011
RN22083	Weathered Granite (RJC)	Slug Test	0.5	n.a.	n.a.	1.0E-05	RGC, 2011
RN22084	Weathered Granite (RJC)	Slug Test	0.3	n.a.	n.a.	3.0E-06	RGC, 2011
PMB4	Weathered Granite (RJC)	Slug Test	0.1	n.a.	n.a.	4.0E-07	RGC, 2011
<i>Geolsec Formation</i>							
RN25792		Slug Test	n.a.	n.a.	n.a.	1.0E-05	RGC, 2011

Notes: n.a. = not available/ not applicable

Table 3-4. Seepage water quality data, 2008 to 2010

ID	Sample Description	Date	FIELD		LAB			MAJOR IONS (in mg/L)							METALS (in ug/L)									
			pH	EC uS/cm	pH	EC uS/cm	Alk mg/L	HCO3	SO4	Ca	Mg	Na	K	Cl	Al_d	Fe_d	Cu_d	Co_d	Mn_d	Ni_d	Pb_d	U_d	Zn_d	
Dyson's Area																								
Site 08	Dyson's Overburden Heap	6-Aug-10	3.7	4520	3.1	3324	0.5	1	2710	94.9	511	8.4	3.8	<5	87600	5800	157	395	5060	1240	<0.2	1170	175	
Site 08	Dyson's Overburden Heap	15-Apr-09	-	-	2.9	4851	0.5	1	3430	115	497	4	1	-	155000	49000	188	648	10700	2100	-	1980	265	
Site 11	Dyson's (backfilled) Open Cut	15-Apr-09	-	-	2.8	6980	0.5	1	4880	446	780	6	5	-	8670	15050	29100	75650	15950	55450	-	385	2150	
White's																								
Site 04	Seepage from White's Overburden Heap	6-Aug-10	3.7	6000	3.1	5410	0.5	1	5190	318	1120	7.6	4.3	<5	12900	4800	4400	5180	11100	3840	28.7	568	7140	
Site 04	Seepage from White's Overburden Heap	14-Apr-09	-	-	3.7	6580	0.5	1	4710	427	895	2	3	-	10900	2600	3890	4390	5860	3750	-	547	8050	
Site 05	Seepage from White's Overburden Heap	14-Apr-09	-	-	3.5	7980	0.5	1	5100	357	947	1	3	-	14600	8000	5680	5260	8080	4490	-	756	9390	
Intermediate																								
-	Seepage from Intermediate Overburden Heap	6-Aug-10	3.3	12600	2.7	10400	0.5	1	13800	362	2760	9	3.6	<5	199000	3E+05	34900	74700	84300	64900	26.8	1840	156000	

Note: Red numbers indicate that the concentration was below the indicated detection limit and hyphens indicate that data is unavailable

Alkalinity concentrations (when available) are given in mg/L as CaCO3

Table 4-1a. Annual flow-weighted mean contaminant concentrations at gauges GS8150212, GS8150212, GS8150200, and GS8150097, 1993 to 2001

Gauge	Flow, L	Description	Flow-weighted contaminant concentrations (in mg/L)										
			SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t
1993/1994 (1367 mm rainfall)													
GS8150213	8.8E+09	Inflow to Whites Open Cut	50	0.03	0.09	0.14	0.20	0.14	0.21	0.03	0.05	0.03	0.47
GS8150212	7.0E+09	Outflow from Intermediate Open Cut	96	0.36	0.41	1.11	1.12	0.18	0.17	0.14	0.14	0.02	0.10
GS8150200	2.2E+10	East Finniss River d/s of mine site	98	0.20	0.52	0.70	0.75	0.22	0.30	0.13	0.16	0.02	1.54
GS8150097	2.4E+10	East Finniss River 5.6 km d/s of mine site	92	0.18	0.51	0.68	0.72	0.18	0.21	0.12	0.12	0.01	1.26
ratio:	1.09		0.94	0.93	0.98	0.96	0.96	0.80	0.73	0.96	0.76	0.24	0.82
1994/1995 (1580 mm rainfall)													
GS8150213	1.3E+10	Inflow to Whites Open Cut	48	0.04	0.09	0.16	0.18	0.06	0.08	0.03	0.04	0.06	0.39
GS8150212	1.9E+10	Outflow from Intermediate Open Cut	77	0.20	0.27	0.76	0.78	0.10	0.10	0.09	0.10	0.02	0.17
GS8150200	2.8E+10	East Finniss River d/s of mine site	112	0.22	0.37	0.70	0.74	0.32	0.34	0.19	0.21	0.02	0.52
GS8150097	3.3E+10	East Finniss River 5.6 km d/s of mine site	90	0.13	0.32	0.53	0.57	0.15	0.17	0.12	0.12	0.02	0.59
ratio:	1.18		0.80	0.62	0.87	0.76	0.77	0.47	0.52	0.63	0.60	1.04	1.13
1995/1996 (996 mm rainfall)													
GS8150213	7.6E+09	Inflow to Whites Open Cut	48	0.07	0.05	0.16	0.13	0.06	0.03	0.03	0.12	0.45	0.19
GS8150212	7.2E+09	Outflow from Intermediate Open Cut	90	0.24	0.13	0.92	0.90	0.10	0.08	0.13	0.07	0.22	0.01
GS8150200	1.0E+10	East Finniss River d/s of mine site	158	0.17	0.62	1.07	1.11	0.33	0.42	0.24	0.25	0.01	3.96
GS8150097	8.9E+09	East Finniss River 5.6 km d/s of mine site	150	0.19	0.33	0.93	0.99	0.29	0.34	0.17	0.22	0.01	0.59
ratio:	0.87		0.95	1.16	0.54	0.87	0.89	0.85	0.82	0.73	0.89	0.96	0.15
1996/1997 (1716 mm rainfall)													
GS8150213	2.4E+10	Inflow to Whites Open Cut	42	0.03	0.05	0.12	0.14	0.05	0.05	0.06	0.07	0.05	0.28
GS8150212	2.3E+10	Outflow from Intermediate Open Cut	71	0.17	0.24	0.73	0.77	0.08	0.08	0.86	0.11	0.00	0.14
GS8150200	6.7E+10	East Finniss River d/s of mine site	73	0.11	0.24	0.48	0.59	0.10	0.13	0.09	0.11	0.01	0.65
GS8150097	8.9E+10	East Finniss River 5.6 km d/s of mine site	50	0.05	0.13	0.21	0.28	0.07	0.09	0.04	0.08	0.03	0.97
ratio:	1.32		0.69	0.44	0.56	0.44	0.48	0.69	0.69	0.48	0.71	2.06	1.51
1997/1998 (1688 mm rainfall)													
GS8150213	1.5E+10	Inflow to Whites Open Cut	34	0.05	0.03	0.16	0.11	0.03	0.02	0.04	0.02	0.35	0.06
GS8150212	1.5E+10	Outflow from Intermediate Open Cut	68	0.12	0.21	0.74	0.81	0.06	0.07	0.12	0.13	0.01	0.21
GS8150200	4.2E+10	East Finniss River d/s of mine site	102	0.09	0.37	0.64	0.78	0.18	0.23	0.13	0.16	0.00	1.81
GS8150097	4.5E+10	East Finniss River 5.6 km d/s of mine site	102	0.09	0.26	0.53	0.60	0.12	0.14	0.14	0.15	0.02	0.73
ratio:	1.08		1.00	1.00	0.71	0.82	0.77	0.68	0.62	1.09	0.94	8.74	0.40
1998/1999 (1888 mm rainfall)*													
GS8150097	5.3E+10	East Finniss River 5.6 km d/s of mine site	69	0.03	0.15	0.17	0.26	0.07	0.10	0.07	0.10	0.04	0.52
1999/2000 (1712 mm rainfall)*													
GS8150097	4.6E+10	East Finniss River 5.6 km d/s of mine site	66	0.02	0.20	0.14	0.33	0.02	0.10	0.05	0.09	0.04	0.78
2000/2001 (1911 mm rainfall)*													
GS8150097	6.5E+10	East Finniss River 5.6 km d/s of mine site	61	0.03	0.19	0.08	0.31	0.05	0.10	0.03	0.06	0.05	1.15
Ratio: GS8150097/GS8150200													
* - Flows not updated in Moliere et al. (2007)													
Contaminant concentrations are annual flow-weighted means provided in Appendix B													

Table 4-1b. Summary of annual contaminant concentrations in surface water, 1993 to 1998

Gauge	Flow, L	Description	Flow-weighted contaminant concentrations (in mg/L)										
			SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t
GS8150213	1.4E+10	Inflow to Whites Open Cut	44	0.04	0.06	0.15	0.15	0.07	0.08	0.04	0.06	0.19	0.28
GS8150212	1.4E+10	Outflow from Intermediate Open Cut	81	0.22	0.25	0.85	0.87	0.10	0.10	0.27	0.11	0.05	0.12
GS8150200	3.4E+10	East Finniss River d/s of mine site	109	0.16	0.42	0.72	0.79	0.23	0.28	0.16	0.18	0.01	1.69
GS8150097	4.0E+10	East Finniss River 5.6 km d/s of mine site	97	0.13	0.31	0.58	0.63	0.16	0.19	0.12	0.14	0.01	0.83
ratio:	1.18		0.89	0.83	0.74	0.80	0.80	0.70	0.68	0.77	0.78	1.22	0.49
Ratio: GS8150097/GS8150200													
Mean flows, concentrations, and loads calculated from data provided in Tables 5-9a													

Table 4-2a. Annual contaminant loads for surface water, 1993 to 2001

Gauge	Flow, L	Flow-weighted contaminant concentrations (in mg/L)											Annual contaminant loads (in t/yr)										
		SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t	SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t
1993/1994 (1367 mm rainfall)																							
GS8150213	8.8E+09	50	0.03	0.09	0.14	0.20	0.14	0.21	0.03	0.05	0.03	0.47	447	0.25	0.83	1.21	1.73	1.28	1.84	0.30	0.44	0.29	4.16
GS8150212	7.0E+09	96	0.36	0.41	1.11	1.12	0.18	0.17	0.14	0.14	0.02	0.10	676	2.52	2.89	7.78	7.85	1.24	1.19	0.96	1.00	0.15	0.68
GS8150200	2.2E+10	98	0.20	0.52	0.70	0.75	0.22	0.30	0.13	0.16	0.02	1.54	2201	4.44	11.62	15.79	16.91	4.93	6.64	2.89	3.52	0.47	34.49
GS8150097	2.4E+10	92	0.18	0.51	0.68	0.72	0.18	0.21	0.12	0.12	0.01	1.26	2242	4.49	12.45	16.58	17.61	4.29	5.25	3.01	2.92	0.12	30.87
ratio:	1.09	0.94	0.93	0.98	0.96	0.96	0.80	0.73	0.96	0.76	0.24	0.82	1.02	1.01	1.07	1.05	1.04	0.87	0.79	1.04	0.83	0.26	0.90
1994/1995 (1580 mm rainfall)																							
GS8150213	1.3E+10	48	0.04	0.09	0.16	0.18	0.06	0.08	0.03	0.04	0.06	0.39	635	0.58	1.13	2.11	2.41	0.84	1.13	0.37	0.57	0.76	5.25
GS8150212	1.9E+10	77	0.20	0.27	0.76	0.78	0.10	0.10	0.09	0.10	0.02	0.17	1436	3.79	5.03	14.12	14.51	1.90	1.92	1.70	1.81	0.28	3.10
GS8150200	2.8E+10	112	0.22	0.37	0.70	0.74	0.32	0.34	0.19	0.21	0.02	0.52	3114	6.01	10.15	19.41	20.57	8.82	9.37	5.32	5.72	0.44	14.59
GS8150097	3.3E+10	90	0.13	0.32	0.53	0.57	0.15	0.17	0.12	0.12	0.02	0.59	2946	4.42	10.44	17.30	18.58	4.93	5.72	3.97	4.03	0.54	19.38
ratio:	1.18	0.80	0.62	0.87	0.76	0.77	0.47	0.52	0.63	0.60	1.04	1.13	0.95	0.73	1.03	0.89	0.90	0.56	0.61	0.75	0.70	1.23	1.33
1995/1996 (996 mm rainfall)																							
GS8150213	7.6E+09	48	0.07	0.05	0.16	0.13	0.06	0.03	0.03	0.12	0.45	0.19	367	0.57	0.36	1.23	0.97	0.44	0.24	0.22	0.91	3.47	1.46
GS8150212	7.2E+09	90	0.24	0.13	0.92	0.90	0.10	0.08	0.13	0.07	0.22	0.01	644	1.69	0.96	6.61	6.41	0.71	0.60	0.91	0.54	1.57	0.06
GS8150200	1.0E+10	158	0.17	0.62	1.07	1.11	0.33	0.42	0.24	0.25	0.01	3.96	1613	1.69	6.29	10.85	11.32	3.40	4.23	2.44	2.51	0.06	40.29
GS8150097	8.9E+09	150	0.19	0.33	0.93	0.99	0.29	0.34	0.17	0.22	0.01	0.59	1332	1.70	2.95	8.26	8.81	2.54	3.01	1.55	1.94	0.05	5.25
ratio:	0.87	0.95	1.16	0.54	0.87	0.89	0.85	0.82	0.73	0.89	0.96	0.15	0.83	1.01	0.47	0.76	0.78	0.74	0.71	0.63	0.77	0.83	0.13
1996/1997 (1716 mm rainfall)																							
GS8150213	2.4E+10	42	0.03	0.05	0.12	0.14	0.05	0.05	0.06	0.07	0.05	0.28	1013	0.62	1.31	2.90	3.42	1.10	1.28	1.45	1.65	1.27	6.84
GS8150212	2.3E+10	71	0.17	0.24	0.73	0.77	0.08	0.08	0.86	0.11	0.00	0.14	1613	3.74	5.42	16.53	17.36	1.71	1.71	19.53	2.38	0.07	3.14
GS8150200	6.7E+10	73	0.11	0.24	0.48	0.59	0.10	0.13	0.09	0.11	0.01	0.65	4884	7.37	16.10	32.27	39.15	6.80	8.39	6.18	7.20	0.84	43.25
GS8150097	8.9E+10	50	0.05	0.13	0.21	0.28	0.07	0.09	0.04	0.08	0.03	0.97	4451	4.27	11.94	18.78	24.89	6.17	7.68	3.92	6.81	2.29	86.31
ratio:	1.32	0.69	0.44	0.56	0.44	0.48	0.69	0.69	0.48	0.71	2.06	1.51	0.91	0.58	0.74	0.58	0.64	0.91	0.91	0.63	0.95	2.73	2.00
1997/1998 (1688 mm rainfall)																							
GS8150213	1.5E+10	34	0.05	0.03	0.16	0.11	0.03	0.02	0.04	0.02	0.35	0.06	491	0.71	0.39	2.27	1.56	0.49	0.27	0.56	0.32	5.17	0.93
GS8150212	1.5E+10	68	0.12	0.21	0.74	0.81	0.06	0.07	0.12	0.13	0.01	0.21	995	1.71	3.12	10.72	11.72	0.84	1.00	1.70	1.87	0.19	3.00
GS8150200	4.2E+10	102	0.09	0.37	0.64	0.78	0.18	0.23	0.13	0.16	0.00	1.81	4237	3.79	15.33	26.73	32.31	7.56	9.67	5.48	6.60	0.08	75.33
GS8150097	4.5E+10	102	0.09	0.26	0.53	0.60	0.12	0.14	0.14	0.15	0.02	0.73	4575	4.10	11.74	23.65	26.98	5.52	6.48	6.41	6.67	0.77	32.71
ratio:	1.08	1.00	1.00	0.71	0.82	0.77	0.68	0.62	1.09	0.94	8.74	0.40	1.08	1.08	0.77	0.88	0.83	0.73	0.67	1.17	1.01	9.42	0.43
1998/1999 (1888 mm rainfall)*																							
GS8150097	5.3E+10	69	0.03	0.15	0.17	0.26	0.07	0.10	0.07	0.10	0.04	0.52	3682	1.43	8.17	9.26	13.94	3.84	5.53	3.61	5.15	1.97	27.45
1999/2000 (1712 mm rainfall)*																							
GS8150097	4.6E+10	66	0.02	0.20	0.14	0.33	0.02	0.10	0.05	0.09	0.04	0.78	3023	1.05	9.01	6.21	15.12	0.77	4.51	2.25	4.20	1.79	35.79
2000/2001 (1911 mm rainfall)*																							
GS8150097	6.5E+10	61	0.03	0.19	0.08	0.31	0.05	0.10	0.03	0.06	0.05	1.15	3925	1.86	12.34	5.34	20.10	3.44	6.31	1.96	3.84	3.43	74.01

Ratio: GS8150097/GS8150200

* - Flows not updated in Moliere et al. (2007)

Contaminant concentrations are annual flow-weighted means provided in Appendix B

Table 4-2b. Summary of annual surface water flows and contaminant loads, historic Rum Jungle mine site

Gauge	Flow, L	Flow-weighted contaminant concentrations (in mg/L)											Annual contaminant loads (in t/yr)										
		SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t	SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t
GS8150213	1.4E+10	44	0.04	0.06	0.15	0.15	0.07	0.08	0.04	0.06	0.19	0.28	608	0.60	0.84	2.01	2.06	0.94	1.08	0.52	0.83	2.61	3.85
GS8150212	1.4E+10	81	0.22	0.25	0.85	0.87	0.10	0.10	0.27	0.11	0.05	0.12	1128	3.03	3.55	11.92	12.22	1.43	1.40	3.74	1.53	0.76	1.73
GS8150200	3.4E+10	109	0.16	0.42	0.72	0.79	0.23	0.28	0.16	0.18	0.01	1.69	3672	5.28	14.26	24.27	26.81	7.80	9.50	5.30	5.92	0.39	57.28
GS8150097	4.0E+10	97	0.13	0.31	0.58	0.63	0.16	0.19	0.12	0.14	0.01	0.83	3864	5.19	12.43	22.97	25.26	6.42	7.66	4.84	5.49	0.56	33.13
ratio:	1.18	0.89	0.83	0.74	0.80	0.80	0.70	0.68	0.77	0.78	1.22	0.49	1.05	0.98	0.87	0.95	0.94	0.82	0.81	0.91	0.93	1.45	0.58

Ratio: GS8150097/GS8150200

Mean flows, concentrations, and loads calculated from data provided in Tables 5-9a

Table 4-3a. Net contaminant loads from the flooded Open Cuts																							
Gauge	Flow, L	Flow-weighted contaminant concentrations (in mg/L)											Annual contaminant loads (in t/yr)										
		SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t	SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t
GS8150213	1.4E+10	44	0.04	0.06	0.15	0.15	0.07	0.08	0.04	0.06	0.19	0.28	608	0.60	0.84	2.01	2.06	0.94	1.08	0.52	0.83	2.61	3.85
GS8150212	1.4E+10	81	0.22	0.25	0.85	0.87	0.10	0.10	0.27	0.11	0.05	0.12	1128	3.03	3.55	11.92	12.22	1.43	1.40	3.74	1.53	0.76	1.73
difference:	2.9E+08												520	2.42	2.71	9.91	10.16	0.49	0.32	3.22	0.71	-1.84	-2.12
Ratio: GS8150097/GS8150200																							
Difference represents the loads derived from deep, highly-contaminated waters within the Open Cuts																							
Loads at gauge GS8150213 are representative of a proportion of the loads delivered from Dysons area																							
Table 4-3b. Preliminary contaminant load balance for the East Finnis River at gauge GS8150201																							
Gauge	Flow, L	Flow-weighted contaminant concentrations (in mg/L)											Annual contaminant loads (in t/yr)										
		SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t	SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t
<i>Flow-weighted mean contaminant concentrations from 1993 to 199t</i>																							
GS8150212	1.4E+10	81	0.22	0.25	0.85	0.87	0.10	0.10	0.27	0.11	0.05	0.12	1128	3.03	3.55	11.92	12.22	1.43	1.40	3.74	1.53	0.76	1.73
EFDC	2.0E+10	127	0.11	0.54	0.62	0.73	0.32	0.41	0.08	0.22	-0.02	2.78	2544	2.25	10.70	12.36	14.59	6.37	8.11	1.56	4.38	-0.37	55.56
<i>Contaminant concentrations for GS8150209 from 1990/1991 wet season</i>																							
EFDC	2.0E+10	152	0.15	0.40	0.23	0.32	0.29	0.33	-	-	-	-	3049	3.06	7.94	4.58	6.43	5.88	6.51	-	-	-	-
<i>Contaminant concentrations on 15-Dec-2009 at GS8150209 (from HAR Resources)</i>																							
EFDC	2.0E+10	174	0.15	0.35	0.48	0.48	0.41	0.44	0.25	0.26	0.04	0.44	3480	2.92	6.96	9.52	9.66	8.26	8.76	5.06	5.24	0.80	8.80
GS8150200	3.4E+10	109	0.16	0.42	0.72	0.79	0.23	0.28	0.16	0.18	0.01	1.69	3672	5.28	14.26	24.27	26.81	7.80	9.50	5.30	5.92	0.39	57.28
GS8150097	4.0E+10	97	0.13	0.31	0.58	0.63	0.16	0.19	0.12	0.14	0.01	0.83	3864	5.19	12.43	22.97	25.26	6.42	7.66	4.84	5.49	0.56	33.13
Flow at GS8150209 inferred as difference between GS8150200 and GS8150212																							
Concentrations in EFDC inferred as the EFDC load divided by annual flow for the EFDC																							
Table 4-3c. Net annual contaminant loads from the Whites and Intermediate Overburden Heap:																							
Gauge	Flow, L	Flow-weighted contaminant concentrations (in mg/L)											Annual contaminant loads										
		SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t	SO4	Cu_d	Cu_t	Mn_d	Mn_t	Zn_d	Zn_t	Ni_d	Ni_t	Fe_d	Fe_t
<i>Flow-weighted mean contaminant concentrations from 1993 to 199t</i>																							
GS8150212	1.4E+10	81	0.22	0.25	0.85	0.87	0.10	0.10	0.27	0.11	0.05	0.12	1128	3.03	3.55	11.92	12.22	1.43	1.40	3.74	1.53	0.76	1.73
EFDC	2.0E+10	127	0.11	0.54	0.62	0.73	0.32	0.41	0.08	0.22	-0.02	2.78	2544	2.25	10.70	12.36	14.59	6.37	8.11	1.56	4.38	-0.37	55.56
<i>Contaminant loads in EFDC from Whites & Intermediate Overburden Heap:</i>																							
Heaps	2.0E+10	-	-	-	-	-	-	-	-	-	-	-	2240	1.95	10.28	11.35	13.56	5.90	7.57	1.30	3.97	-1.67	53.63