Table 2. Surface Water Analytical Results - Middle Creek Catchment

Field ID	Lab Report No.	Sampled Date	HM in water - dissolved									HM in water - Total		
			Arsenic (Filtered)	Cadmium (Filtered)	Chromium (III+VI) (Filtered)	Copper (Filtered)	Iron (Filtered)	Lead (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	Aluminium	Iron	Manganese
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.001	0.0001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001	0.01	0.01	0.005
SW1 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan			<0.0042	<0.004	<6	<0.002*		<0.0056			<0.015			
SW1	176828	29/09/2017	<0.001	<0.0001	<0.001	0.003	-	<0.001	<0.00005	<0.001	0.001	0.19	0.67	0.03
SW1	178779	30/10/2017	<0.001	<0.0001	<0.001	0.003	-	<0.001	<0.00005	0.001	0.003	0.2	0.84	0.02
SW1	181019	30/11/2017	<0.001	<0.0001	<0.001	0.004	-	0.001	<0.00005	0.001	0.013	0.57	0.62	0.037
SW1	183004	8/01/2018 (December round)	<0.001	<0.0001	<0.001	0.002	-	<0.001	<0.00005	<0.001	0.004	0.06	0.67	0.026
SW1	184219	31/01/2018	<0.001	<0.0001	<0.001	0.009	-	0.001	<0.00005	0.002	0.016	0.94	0.92	0.025
SW1	186096	27/02/2018	0.0001	<0.0001	0.006	0.007	-	<0.001	<0.00005	0.003	0.002	0.46	0.41	0.019
SW2 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan			<0.0042	<0.004	<6	<0.0018		<0.0056			<0.015			
SW2	176828	29/09/2017	<0.001	<0.0001	<0.001	0.002	-	<0.001	<0.00005	<0.001	0.004	0.06	0.46	0.007
SW2	178779	30/10/2017	<0.001	<0.0001	<0.001	0.002	-	<0.001	<0.00005	<0.001	0.012	0.06	1.0	0.024
SW2	181019	30/11/2017	<0.001	<0.0001	<0.001	0.003	-	<0.001	<0.00005	<0.001	0.007	0.21	1.2	0.036
SW2	183004	8/01/2018 (December round)	<0.001	<0.0001	<0.001	0.002	-	<0.001	<0.00005	<0.001	0.005	0.1	0.71	0.019
SW2	184219	31/01/2018	<0.001	<0.0001	<0.001	0.005	-	0.001	<0.00005	<0.001	0.015	0.21	0.79	0.027
SW2	186096	27/02/2018	<0.001	<0.0001	<0.001	0.003	-	<0.001	<0.00005	0.001	0.012	0.54	0.61	0.021
SW3 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan			<0.0042	<0.004	<6	<0.0018		<0.0056			<0.0175*			
SW3	176828	29/09/2017	<0.001	<0.0001	<0.001	<0.001	-	<0.001	<0.00005	<0.001	0.006	0.13	1.4	0.046
SW3	178779	30/10/2017	<0.001	<0.0001	<0.001	<0.001	-	<0.001	<0.00005	<0.001	0.012	0.05	1.5	0.1
SW3	181019	30/11/2017	<0.001	<0.0001	<0.001	0.002	-	<0.001	<0.00005	<0.001	0.013	0.05	1.5	0.05
SW3	183004	8/01/2018 (December round)	<0.001	<0.0001	<0.001	<0.001	-	<0.001	<0.00005	<0.001	0.007	0.1	1.2	0.025
SW3	184219	31/01/2018	<0.001	<0.0001	<0.001	<0.001	-	<0.001	<0.00005	<0.001	0.004	0.04	1.1	0.021
SW3	186184	27/02/2018	<0.001	<0.0001	<0.001	0.002	-	<0.001	<0.00005	0.001	0.033	0.09	0.65	0.04

Field ID	Lab Report No.	Sampled Date	Miscellaneous Inorg - water									
			Ammonia	Electrical conductivity *(lab)	Total Nitrogen	Nitrate (as N)	Nitrite (as N)	Phosphate (as P)	pH (Lab)	Phosphorus	TDS	TSS
			mg/L	µS/cm	mg/L	mg/L	mg/L	mg/L	pH_Units	mg/L	mg/L	mg/L
EQL			0.005	1	0.1	0.005	0.005	0.005		0.05	5	5
SW1 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan				125-2,200		<3.4	<0.0065*	<0.021	6.5-8.5			<50
SW1	176828	29/09/2017	<0.005	440	0.8	0.17	0.01	-	6.9	0.06	260	7
SW1	178779	30/10/2017	0.021	500	1.2	0.06	0.016	-	8.1	<0.05	280	<10
SW1	181019	30/11/2017	<0.005	420	0.5	0.01	<0.005	-	8	<0.05	280	<5
SW1	183004	8/01/2018 (December round)	0.02	1200	8	0.43	0.011	-	7.6	<0.05	750	<10
SW1	184219	31/01/2018	<0.005	380	0.9	0.31	0.058	-	7.7	0.05	230	13
SW1	186096	27/02/2018	0.055	510	1.7	0.79	0.42	-	9.4	<0.05	320	10
SW2 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan				125-2,200		<3.4	<0.062*	<0.014*	6.5-8.5			<50
SW2	176828	29/09/2017	0.014	430	2.7	1.8	0.018	-	7.1	<0.05	270	<10
SW2	178779	30/10/2017	0.076	490	1.4	0.51	0.064	-	7.5	0.08	260	<10
SW2	181019	30/11/2017	0.008	250	0.5	0.02	<0.005	-	7.8	0.1	150	<5
SW2	183004	8/01/2018 (December round)	0.076	530	8.8	0.83	0.095	-	7.6	0.07	300	<10
SW2	184219	31/01/2018	0.3	380	1.7	0.75	0.11	-	7.5	0.1	220	<10
SW2	186096	27/02/2018	0.27	590	1.7	0.79	0.11	-	7.7	<0.05	380	<5
SW3 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan				125-2,200		<3.4	<0.006*	<0.005	6.5-8.5			<50
SW3	176828	29/09/2017	0.053	260	0.7	0.14	<0.005	-	6.9	<0.05	150	6
SW3	178779	30/10/2017	0.1	310	0.9	0.099	<0.005	-	6.3	<0.05	160	<10
SW3	181019	30/11/2017	0.044	270	0.4	0.062	<0.005	-	7.2	<0.05	160	<5
SW3	183004	8/01/2018 (December round)	0.012	310	0.5	0.03	<0.005	-	7	<0.05	160	<10
SW3	184219	31/01/2018	<0.005	300	0.5	0.006	<0.005	-	7.3	<0.05	180	<10
SW3	186184	27/02/2018	0.16	340	1	0.61	0.008	-	7	<0.05	210	<10

Field ID	Lab Report No.	Sampled Date	PAHs in Water																
			Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(b)&(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Carcinogenic PAHs (as B(a)P TPE)	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Pyrene
			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	µg/L
EQL			1	1	1	1	1	2	1	1	1	5	1	1	1	1	1	1	1
SW1 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan																			
SW1	176828	29/09/2017	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW1	178779	30/10/2017	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW1	181019	30/11/2017	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW1	183004	8/01/2018 (December round)	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW1	184219	31/01/2018	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW1	186096	27/02/2018	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW2 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan																			
SW2	176828	29/09/2017	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW2	178779	30/10/2017	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW2	181019	30/11/2017	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW2	183004	8/01/2018 (December round)	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW2	184219	31/01/2018	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW2	186096	27/02/2018	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW3 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan																			
SW3	176828	29/09/2017	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW3	178779	30/10/2017	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW3	181019	30/11/2017	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW3	183004	8/01/2018 (December round)	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW3	184219	31/01/2018	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1
SW3	186184	27/02/2018	<1	<1	<1	<1	<1	<2	<1	<1	<1	<5	<1	<1	<1	<1	0	<1	<1

Field ID	Lab Report No.	Sampled Date	TRH Water(C10-C40) NEPM							vTRH & BTEXN in Water NEPM								
			C10-C16	C16-C34	C34-C40	F2-NAPHTHALENE	C10 - C14	C15 - C28	C29-C36	Benzene	Ethylbenzene	Naphthalene	Toluene	C6 - C9	Xylene (m & p)	Xylene (o)	C6-C10 less BTEX (F1)	C6-C10
			mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL			0.05	0.1	0.1	0.05	50	100	100	1	1	1	1	10	2	1	0.01	0.01
SW1 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan																		
SW1	176828	29/09/2017	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW1	178779	30/10/2017	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW1	181019	30/11/2017	0.15	0.1	<0.1	0.15	130	120	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW1	183004	8/01/2018 (December round)	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW1	184219	31/01/2018	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW1	186096	27/02/2018	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW2 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan																		
SW2	176828	29/09/2017	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW2	178779	30/10/2017	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW2	181019	30/11/2017	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW2	183004	8/01/2018 (December round)	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW2	184219	31/01/2018	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW2	186096	27/02/2018	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW3 - Adopted Surface Water Trigger Values (Table 5.1) Water Management Plan																		
SW3	176828	29/09/2017	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW3	178779	30/10/2017	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW3	181019	30/11/2017	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW3	183004	8/01/2018 (December round)	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW3	184219	31/01/2018	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01
SW3	186184	27/02/2018	<0.05	<0.1	<0.1	<0.05	<50	<100	<100	<1	<1	<1	<1	<10	<2	<1	<0.01	<0.01

* Median value derived from background water quality dataadopted as criteria in the SWQMP (SMEC, November 2015)