

Table 1: 1991 BW + Sept 2017 data (North of the site)

Parameters	1991 BW	0053-5b BW	0053-7D	0053-5c (Middle)	0053-5d (North)	FIGQG
Chloride	275	390	1480	300	360	100
Sulphate	194	2200	1230	36	43	100
TDS	1520	4100	4550	1500	1900	3000
Calcium	210	470	399	170	160	
Magnesium	130	360	411	130	130	
Sodium	78	380	673	210	290	
Fluoride		0.26		0.33	0.33	0.12
TSS/SS	56					

AB Tier 1

120

see note

500

200

1.5

Table 2: 1991 BW + Sept 2017 data (South of the site)(in mg/L)

Parameters	1991 BW	0053-5b BW	0053-7A	0053-5e (South)
Chloride	275	390	20.7	58
Sulphate	194	2200	162	350
TDS	1520	4100	553	950
Calcium	210	470	110	180
Magnesium	130	360	38.2	81
Sodium	78	380	16.5	41
Fluoride		0.26		0.3
TSS/SS	56			

FIGQG	AB Tier 1
100	120
100	see note
3000	500
	200
0.12	1.5

Table 3: Historical Data Range (1991 to 2018)

	Upstream	Beginning site	Mid-site	End of site, ~ 150 m to Hay River		
Parameters	1991 BW	0053-5b BW	0053-7D	0053-5c (Middle)	0053-5d (North)	0053-5e (South)
Chloride	275	300-516	1170-1500	300-690	330-869	50-86.3
Sulphate	194	1700-2569	874-1770	4.2-190	29-160	124-540
TDS	1520	3170-4850	3830-4810	1400-3359	476	652-7190
Calcium	210	350-588	260-1230	149-259	126-998	119-368
Magnesium	130	218-380	287-530	100-257	120-227	59-100
Sodium	78	280-492	369-752	179-627	93-843	27-49
Fluoride		0.19-0.7	0.4	0.33-2.1	0.33-2.2	0.2-0.43
TSS/SS	56	36.4-220	10.7-25.3	82-210	476	75-6530

FIGQG	AB Tier 1
100	120
100	see note
3000	500

	200
0.12	1.5

All Tables: 1991 BW + Aug 2017 data (All Together)								FIGQG	AB Tier 1
Parameters	1991 BW	0053-5b BW (North)	0053-7D (North)	0053-7A (South)	0053-5c (North)	0053-5d (North)	0053-5e (South)		
Chloride	275	390	1480	20.7	300	360	58	100	120
Sulphate	194	2200	1230	162	36	43	350	100	see note
TDS	1520	4100	4550	553	1500	1900	950	3000	500
Calcium	210	470	399	110	170	160	180		
Magnesium	130	360	411	38.2	130	130	81		
Sodium	78	380	673	16.5	210	290	41		200
Fluoride		0.26			0.33	0.33	0.3	0.12	1.5
TSS/SS	56								

All Tables: Historical Data Range (1991 to 2018)								FIGQG	AB Tier 1
	Upstream	Beginning site	Mid-site		End of site, ~ 150 m to Hay River				
Parameters	1991 BW	0053-5b BW (North)	0053-7D (North)	0053-7A (South)	0053-5c (North)	0053-5d (North)	0053-5e (South)		
Chloride	275	300-516	1170-1500	15.8-70.9	300-690	330-869	50-86.3	100	120
Sulphate	194	1700-2569	874-1770	162-286	4.2-190	29-160	124-540	100	see note
TDS	1520	3170-4850	3830-4810	553-887	1400-3359	476	652-7190	3000	500
Calcium	210	350-588	260-1230	143-427	149-259	126-998	119-368		
Magnesium	130	218-380	287-530	45.4-74.1	100-257	120-227	59-100		
Sodium	78	280-492	369-752	15.1-69.2	179-627	93-843	27-49		200
Fluoride		0.19-0.7	0.4	0.4	0.33-2.1	0.33-2.2	0.2-0.43	0.12	1.5
TSS/SS	56	36.4-220	10.7-25.3	10.7-65.3	82-210	476	75-6530		