

Table D8: Aquifer 560 – Field, General, Major Ions and Microbiological Parameters (Town Wells and Water Distribution Points)

Sample Location	Sample Date	Field			General Chemistry													Major Ions								Microbiological Analysis						
		Field Specific Conductivity	Temperature	pH	Colour	Alkalinity, Total (as CaCO <sub>3</sub> )	Conductivity (EC)	Hardness (as CaCO <sub>3</sub> )	Langelier Index	Total Dissolved Solids-Calculated	Turbidity	pH	Fluoride (F)	Iron (Fe)-Dissolved	Manganese (Mn)-Dissolved	Nitrate-N	Nitrite-N	Bicarbonate (HCO <sub>3</sub> )	Calcium (Ca)-Dissolved	Carbonate (CO <sub>3</sub> )	Chloride (Cl)	Hydroxide (OH)	Magnesium (Mg)-Dissolved	Potassium (K)-Dissolved	Sodium (Na)-Dissolved	Sulphate (SO <sub>4</sub> )	E. Coli	Total Coliforms	Heterotrophic Plate Count	E. Coli	Total Coliforms	Heterotrophic Plate Count
		µS/cm	°C	-	TCU	mg/L	µS/cm	mg/L	-	mg/L	NTU	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	MPN/100 mL	MPN/100 mL	MPN/100 mL	CFU/100 mL	CFU/100 mL	CFU/100 mL	
Guidelines	GCDWQ AO	-	15	7-10.5	15	-	-	-	-	500	0.1	7-10.5	-	0.3	0.02	-	-	-	-	-	250	-	-	-	200	500	-	-	-	-	-	-
	GCDWQ MAC	-	-	-	-	-	-	-	-	-	-	-	1.5	-	0.12	10	1	-	-	-	-	-	-	-	-	0	0	-	0	0	-	-
Davis Road WDP	2021-09-24	131.2	15.3	7.37	<5.0	51.8	121	39.2	-1	64.4	0.13	7.83	<0.10	<0.010	<0.00020	0.453	<0.0050	63.2	8.31	<1.0	4.44	<1.0	4.49	2.29	6.14	7.1	-	-	-	<1	<1	<1
Davis Road WDP	2022-09-15	138	16.7	6.57	<5.0	64.7	124	42.3	-1.5	77.1	<0.10	7.28	<0.10	<0.010	0.00026	0.531	<0.010	78.9	8.66	<1.0	5.12	<1.0	5.03	2.56	7.29	6.6	<1	<1	3	-	-	-
Davis Road WDP	2022-09-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-	
Davis Road WDP	2022-10-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-	
Davis Road WDP	2023-09-14	147	16.3	6.80	<5.0	61.8	136	49.6	-1.2	79.1	0.17	7.45	<0.10	<0.010	<0.00020	0.46	<0.010	75.4	11	<0.600	6.07	<0.340	5.89	2.88	7.8	6.9	-	-	-	<1	<1	<1
Parkland Reservoir WDP	2021-09-24	126.4	11.9	7.24	<5.0	52	119	42.8	-1	65.4	0.12	7.81	<0.10	<0.010	<0.00020	0.46	<0.0050	63.4	8.71	<1.0	3.96	<1.0	5.1	2.52	6.47	7.1	-	-	-	<1	<1	<1
Parkland Reservoir WDP	2022-09-15	137	13.4	6.88	<5.0	66.6	126	42	-1.4	76.9	<0.10	7.35	<0.10	<0.010	<0.00020	0.531	<0.010	81.3	8.42	<1.0	4.62	<1.0	5.1	2.56	6.8	6.6	<1	<1	6	-	-	-
Parkland Reservoir WDP	2022-09-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-	
Parkland Reservoir WDP	2022-10-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-	
Parkland Reservoir WDP	2023-09-14	146	12.5	6.73	<5.0	64.2	134	49.3	-1.4	77.8	0.12	7.28	<0.10	<0.010	<0.00020	0.462	<0.010	78.3	10.2	<0.600	4.9	<0.340	5.97	2.85	7.42	5.6	-	-	-	<1	<1	<1
School Road WDP	2021-09-23	123.9	12.7	7.3	<5.0	51.1	119	42.3	-1	63.6	0.12	7.81	<0.10	<0.010	<0.00020	0.458	<0.0050	62.3	8.6	<1.0	4.15	<1.0	5.05	2.47	6.35	6.8	-	-	-	<1	<1	<1
School Road WDP	2022-09-15	141	11.3	6.36	<5.0	35.8	70.3	42.7	-2	58.8	<0.10	7	<0.10	<0.010	<0.00020	0.544	<0.010	43.7	8.25	<1.0	4.73	<1.0	5.36	2.58	6.99	6.5	<1	<1	75	-	-	-
School Road WDP	2022-09-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-	
School Road WDP	2022-10-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-	
School Road WDP	2023-09-14	138	11.4	6.63	<5.0	64.6	129	46.4	-1.5	76.1	0.13	7.22	<0.10	<0.010	<0.00020	0.477	<0.010	78.8	9.83	<0.600	4.85	<0.340	5.82	2.76	7.22	5.3	-	-	-	<1	<1	<1
TW1	2015-10-01	-	-	-	<5.0	41.4	103	38.8	-	-	<0.10	7.74	0.056	-	-	0.364	<0.005	50.5	-	<0.5	2.8	<0.5	-	-	-	7.21	-	-	-	<1	<1	-
TW1	2016-10-18	94	9.3	7.66	<5.0	45	119	37.6	-	59.5	<0.10	7.6	<0.1	<0.1	<0.002	0.404	<0.01	45	8	<1	3.07	<1	4.26	2.27	5.53	7.3	<2	<2	-	-	-	-
TW1	2017-10-03	83	9.2	7.37	<5.0	49.8	113	42.1	-	-	<0.10	6.94	<0.1	<0.01	<0.0002	0.572	<0.005	49.8	9.6	<1	2.93	<1	4.95	2.81	6.65	7.8	NC	NC	-	-	-	-
TW1	2019-02-06	118	9.1	7.65	-	43.5	111	39.6	-	60	-	7.61	<0.10	<0.010	0.00023	0.42	<0.0050	53.1	8.3	<0.600	2.54	<0.340	4.57	2.44	5.94	8	NC	NC	-	-	-	-
TW1	2019-09-19	117	10.4	7.52	<5.0	43.4	112	38.2	-1.5	59.7	<0.10	7.47	<0.10	<0.010	<0.00020	0.373	<0.010	53	8.26	<0.600	2.63	<0.340	4.27	2.33	5.8	8.2	<2	<2	-	-	-	-
TW1	2020-10-09	131	8.5	8.80	-	40.7	114	38.2	-	57.9	0.23	7.62	<0.10	<0.010	0.0002	0.402	<0.010	49.7	8.19	<0.600	2.91	<0.340	4.31	2.37	5.72	7.8	<1.8	<1.8	-	-	-	-
TW1	2021-09-23	87.3	9.3	7.30	<5.0	51.2	117	39.3	-1	66	0.11	7.81	<0.10	<0.010	<0.00020	0.414	<0.0050	62.5	8.4	<1.0	3.06	<1.0	4.44	2.35	5.87	8.5	-	-	-	<1	<1	<1
TW1	2022-09-15	136	10.5	6.11	<5.0	68.7	122	43.9	-1.4	79.1	<0.10	7.28	<0.10	<0.010	<0.00020	0.498	<0.010	83.8	9.24	<1.0	4.07	<1.0	5.04	2.46	6.38	7.8	<1	<1	1	-	-	-
TW1	2022-09-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-	
TW1	2022-10-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-	
TW1	2023-09-14	142	9.5	6.65	<5.0	71.7	131	47.9	-1.5	82.4	0.11	7.12	<0.10	<0.010	<0.00020	0.446	<0.010	87.5	10.9	<0.600	4.03	<0.340	5.48	2.76	6.84	7.6	-	-	-	<1	<1	<1



Table D8: Aquifer 560 – Field, General, Major Ions and Microbiological Parameters (Town Wells and Water Distribution Points)

Sample Location	Sample Date	Field			General Chemistry													Major Ions							Microbiological Analysis							
		Field Specific Conductivity	Temperature	pH	Colour	Alkalinity, Total (as CaCO <sub>3</sub> )	Conductivity (EC)	Hardness (as CaCO <sub>3</sub> )	Langelier Index	Total Dissolved Solids-Calculated	Turbidity	pH	Fluoride (F)	Iron (Fe)-Dissolved	Manganese (Mn)-Dissolved	Nitrate-N	Nitrite-N	Bicarbonate (HCO <sub>3</sub> )	Calcium (Ca)-Dissolved	Carbonate (CO <sub>3</sub> )	Chloride (Cl)	Hydroxide (OH)	Magnesium (Mg)-Dissolved	Potassium (K)-Dissolved	Sodium (Na)-Dissolved	Sulphate (SO <sub>4</sub> )	E. Coli	Total Coliforms	Heterotrophic Plate Count	E. Coli	Total Coliforms	Heterotrophic Plate Count
		µS/cm	°C	-	TCU	mg/L	µS/cm	mg/L	-	mg/L	NTU	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	MPN/100 mL	MPN/100 mL	MPN/100 mL	CFU/100 mL	CFU/100 mL	CFU/100 mL	
Guidelines	GCDWQ AO	-	15	7-10.5	15	-	-	-	-	500	0.1	7-10.5	-	0.3	0.02	-	-	-	-	-	250	-	-	-	200	500	-	-	-	-	-	-
	GCDWQ MAC	-	-	-	-	-	-	-	-	-	-	-	1.5	-	0.12	10	1	-	-	-	-	-	-	-	-	0	0	-	0	0	-	-
TW3	2015-10-01	121	9.4	6.74	<5.0	49.4	136	48.9	-	-	<0.10	7.69	<0.01	-	-	0.969	<0.005	60.2	-	<0.5	6.7	<0.5	-	-	-	7.08	-	-	-	<1	<1	-
TW3	2016-10-18	117	9.6	7.49	<5.0	52	148	47.2	-	73.5	<0.10	7.48	<0.1	<0.1	<0.002	0.978	<0.01	52	8.9	<1	6.12	<1	6.06	2.69	7.22	6.7	<2	<2	-	-	-	-
TW3	2017-10-03	107	10	7.19	<5.0	54.5	145	55.7	-	-	<0.10	7.16	<0.1	<0.01	<0.0002	0.951	<0.005	54.5	10.4	<1	7.33	<1	7.2	3.27	8.76	7.1	NC	NC	-	-	-	-
TW3	2019-02-06	153	8.2	8.31	-	52.5	143	50.3	-	77	-	7.5	<0.10	<0.010	0.00083	0.919	<0.0050	64.1	9.01	<0.600	7.19	<0.340	6.73	2.88	7.94	7.2	NC	NC	-	-	-	-
TW3	2019-09-19	154	11.2	8.06	<5.0	51.9	146	49.2	-1.4	76	<0.10	7.46	<0.10	<0.010	0.00061	0.917	<0.010	63.4	9.06	<0.600	7.52	<0.340	6.45	2.73	7.58	7.1	<2	<2	-	-	-	-
TW3	2020-10-09	152	8.7	8.47	-	54.5	148	48.4	-	77.4	<0.10	7.51	<0.10	0.016	0.00219	0.911	<0.010	66.5	8.95	<0.600	7.69	<0.340	6.31	2.7	7.36	7.1	<1.8	<1.8	-	-	-	-
TW3	2021-09-23	147.8	10.4	7.21	<5.0	57.3	142	45.2	-1	74	0.13	7.74	<0.10	<0.010	0.00029	0.83	<0.0050	69.9	8.46	<1.0	6.8	<1.0	5.83	2.54	6.81	7.8	-	-	-	<1	<1	<1
TW3	2022-09-15	157	10.6	6.09	<5.0	79.8	140	50.5	-1.5	94.4	<0.10	7.15	<0.10	<0.010	0.00026	1.01	<0.010	97.4	9.43	<1.0	7.1	<1.0	6.55	2.77	7.68	7	<1	<1	1	-	-	-
TW3	2022-09-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-
TW3	2022-10-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-
TW3	2023-09-14	160	9.8	6.57	<5.0	74.6	152	54.7	-1.5	91.4	0.12	7.12	<0.10	<0.010	0.00059	0.891	<0.010	91.0	10.4	<0.600	6.77	<0.340	7.19	3.13	8.08	6.6	-	-	-	<1	<1	<1
TW4	2015-10-01	90	9.4	6.16	<5.0	42.7	103	37.7	-	-	<0.10	7.78	0.046	-	-	0.339	<0.005	52.1	-	<0.5	3.6	<0.5	-	-	-	4.55	-	-	-	<1	<1	-
TW4	2016-10-18	122	11.3	7.55	<5.0	54	150	49.7	-	75.6	0.49	7.51	<0.1	<0.1	0.0073	0.905	<0.01	54	9.7	<1	5.88	<1	6.17	2.71	7.39	6.9	<2	<2	-	-	-	-
TW4	2017-10-03	86	12.2	7.52	<5.0	50	106	40.3	-	-	<0.10	6.93	<0.1	<0.01	0.00055	0.42	<0.005	50	8.09	<1	3.5	<1	4.98	2.57	6.5	4.9	NC	NC	-	-	-	-
TW4	2019-02-06	116	9.9	8.71	-	44.5	107	38.6	-	58	-	7.6	<0.10	<0.010	0.00035	0.389	<0.0050	54.3	7.39	<0.600	3.56	<0.340	4.88	2.42	6.18	4.9	NC	NC	-	-	-	-
TW4	2019-09-19	112	10.3	8.3	<5.0	42	107	36.5	-1.6	56.1	<0.10	7.45	<0.10	<0.010	<0.00020	0.367	<0.010	51.2	7.22	<0.600	3.78	<0.340	4.47	2.22	5.78	4.9	<2	<2	-	-	-	-
TW4	2020-10-09	128	8.5	7.22	-	45.3	108	37.1	-	58.1	<0.10	7.61	<0.10	<0.010	<0.00020	0.384	<0.010	55.3	7.45	<0.600	4.03	<0.340	4.5	2.26	5.75	4.7	<1.8	<1.8	-	-	-	-
TW4	2021-09-23	81.4	10	7.19	<5.0	49	109	36.2	-1.1	59.4	0.64	7.82	<0.10	<0.010	<0.00020	0.366	<0.0050	59.8	7.21	<1.0	3.83	<1.0	4.42	2.17	5.56	5.5	-	-	-	<1	<1	<1
TW4	2022-09-15	126	10.6	6.93	<5.0	67.2	113	39.3	-1.5	73.7	<0.10	7.24	<0.10	<0.010	<0.00020	0.409	<0.010	82	7.84	<1.0	4.52	<1.0	4.79	2.3	6.18	5	<1	3	16	-	-	-
TW4	2022-09-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-
TW4	2022-10-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-
TW4	2023-09-14	126	9.8	6.60	<5.0	63.7	120	43.4	-1.5	72.5	0.19	7.25	<0.10	<0.010	<0.00020	0.374	<0.010	77.7	8.76	<0.600	4.4	<0.340	5.44	2.62	6.66	4.6	-	-	-	<1	<1	<1
TW6	2019-08-11	126	14	7.16	-	54.3	141	52.8	-	78.1	0.17	7.7	<0.10	0.011	0.00054	0.513	<0.010	66.3	11.8	<0.600	6.55	<0.340	5.64	3	6.99	8.7	NC	NC	-	-	-	-
TW6	2019-08-12	126	11.5	7.21	<5.0	51.7	144	51.8	-1	76.7	0.16	7.63	<0.10	0.011	0.00052	0.48	<0.010	63.1	11.7	<0.600	6.02	<0.340	5.49	2.96	6.9	10	<1	<1	-	-	-	-
TW6	2023-09-14	165	9.9	6.53	<5.0	68.6	154	57.8	-1.3	87.1	<0.10	7.32	<0.10	<0.010	<0.00020	0.465	<0.010	83.7	13	<0.600	5.63	<0.340	6.38	3.12	7.66	7.8	-	-	-	<1	<1	<1

**Notes:**  
 GCDWQ represents the Guidelines for Canadian Drinking Water Quality, Summary Table (Health Canada, September 2022). Guidelines are health based and listed as maximum acceptable concentrations (MAC), or based on aesthetic considerations and listed as aesthetic objectives  
 Laboratory results that were less than detection limits and greater than the applied guidelines are not shown as exceedances.  
**Violet highlight** - Value exceeds the Aesthetic Objectives (AO).  
**Yellow highlight** - Value exceeds the Maximum Allowable Concentration (MAC).  
 mg/L means milligrams per litre, µS/cm means micro Siemens per centimeter, °C means degrees celcius, TCU means True Color Unit, NTU means Nephelometric Turbidity Unit, CFU means Colony Forming Unit, MPN means Most Probable Number, NC means not collected.



Table D9: Aquifer 560 – Dissolved Metal Results (Town Wells and Water Distribution Points)

Sample Location	Sample Date	Aluminum (Al)-Dissolved	Antimony (Sb)-Dissolved	Arsenic (As)-Dissolved	Barium (Ba)-Dissolved	Boron (B)-Dissolved	Cadmium (Cd)-Dissolved	Chromium (Cr)-Dissolved	Copper (Cu)-Dissolved	Lead (Pb)-Dissolved	Mercury (Hg)-Dissolved	Selenium (Se)-Dissolved	Strontium (Sr)-Dissolved	Uranium (U)-Dissolved	Zinc (Zn)-Dissolved
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>Guidelines</b>		<b>0.1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5</b>
		<b>2.9</b>	<b>0.006</b>	<b>0.01</b>	<b>2</b>	<b>5</b>	<b>0.007</b>	<b>0.05</b>	<b>2</b>	<b>0.005</b>	<b>0.001</b>	<b>0.05</b>	<b>7</b>	<b>0.02</b>	<b>-</b>
Davis Road WDP	2021-09-24	<0.0050	<0.00020	0.00306	0.0357	<0.0500	<0.000010	0.00071	0.00838	0.00051	<0.000010	<0.00050	0.0293	0.000187	0.0041
Davis Road WDP	2022-09-15	<0.0050	<0.00020	0.00338	<0.0050	<0.0500	<0.000010	0.00083	0.00657	0.00047	<0.000010	<0.00050	0.0336	0.00022	0.0063
Davis Road WDP	2023-09-14	<0.0050	<0.00020	0.0033	<0.0050	<0.0500	<0.000010	0.00062	0.0159	0.00028	<0.000010	<0.00050	0.0384	0.000289	0.0054
Parkland Reservoir WDP	2021-09-24	<0.0050	<0.00020	0.00337	<0.0050	<0.0500	<0.000010	0.0008	0.00372	<0.00020	<0.000010	<0.00050	0.0309	0.000219	0.0065
Parkland Reservoir WDP	2022-09-15	<0.0050	<0.00020	0.0034	<0.0050	<0.0500	<0.000010	0.00075	0.0025	<0.00020	<0.000010	<0.00050	0.0334	0.000241	0.0086
Parkland Reservoir WDP	2023-09-14	<0.0050	<0.00020	0.00337	<0.0050	<0.0500	<0.000010	0.00064	0.00492	<0.00020	<0.000010	<0.00050	0.0378	0.000285	0.0144
School Road WDP	2021-09-23	<0.0050	<0.00020	0.00305	<0.0050	<0.0500	<0.000010	0.00073	0.00049	<0.00020	<0.000010	<0.00050	0.0304	0.00021	0.0083
School Road WDP	2022-09-15	<0.0050	<0.00020	0.00335	<0.0050	<0.0500	<0.000010	0.00078	<0.00040	<0.00020	<0.000010	<0.00050	0.0337	0.000228	0.0075
School Road WDP	2023-09-14	<0.0050	<0.00020	0.00321	<0.0050	<0.0500	<0.000010	0.00075	0.00075	<0.00020	<0.000010	<0.00050	0.0352	0.000233	0.0061
TW1	2017-10-03	<0.005	<0.0002	0.00382	<0.005	0.0108	<0.00001	0.0006	0.00206	<0.0002	-	0.00065	0.0318	0.000303	0.0043
TW1	2019-02-06	<0.0050	<0.00020	0.00381	0.0073	0.0067	0.000073	0.00069	0.00321	<0.00020	<0.000010	0.00065	0.0302	0.00028	0.014
TW1	2019-09-19	<0.0050	<0.00020	0.00373	0.0104	0.0109	<0.000010	0.00074	0.0032	<0.00020	<0.000010	0.00055	0.0308	0.000305	0.0093
TW1	2020-10-09	<0.0050	<0.00020	0.00383	0.0061	<0.0500	<0.000010	0.00069	0.00545	0.00023	<0.000010	0.00057	0.0309	0.000282	0.0084
TW1	2021-09-23	<0.0050	<0.00020	0.00316	<0.0050	<0.0500	<0.000010	0.00064	0.00243	<0.00020	<0.000010	0.00051	0.0286	0.000266	<0.0040
TW1	2022-09-15	<0.0050	<0.00020	0.00361	<0.0050	<0.0500	<0.000010	0.00068	0.00059	<0.00020	<0.000010	0.0005	0.0333	0.000323	<0.0040
TW1	2023-09-14	<0.0050	<0.00020	0.00357	<0.0050	<0.0500	<0.000010	0.00059	0.00057	<0.00020	<0.000010	0.00056	0.0361	0.000337	<0.0040
TW3	2017-10-03	<0.005	<0.0002	0.00251	<0.005	0.0146	<0.00001	<0.0005	0.00746	0.00054	-	<0.0005	0.0514	0.000178	0.0044
TW3	2019-02-06	<0.0050	<0.00020	0.00239	<0.0050	0.0099	<0.000010	<0.00050	0.012	0.00054	<0.000010	<0.00050	0.0488	0.000164	0.0074
TW3	2019-02-06	<0.0050	<0.00020	0.0024	<0.0050	0.0077	<0.000010	0.00057	0.0143	0.00087	<0.000010	<0.00050	0.0484	0.000162	0.0132
TW3	2019-09-19	<0.0050	<0.00020	0.00237	<0.0050	0.0124	<0.000010	0.00066	0.00757	0.0003	<0.000010	<0.00050	0.0488	0.000177	0.007
TW3	2020-10-09	<0.0050	<0.00020	0.00224	<0.0050	<0.0500	<0.000010	<0.00050	0.00696	0.00045	<0.000010	<0.00050	0.0474	0.000178	0.0098
TW3	2021-09-23	<0.0050	<0.00020	0.00199	<0.0050	<0.0500	<0.000010	<0.00050	0.0048	0.00037	<0.000010	<0.00050	0.0403	0.000154	0.0073
TW3	2022-09-15	<0.0050	<0.00020	0.00222	0.0098	<0.0500	<0.000010	<0.00050	0.00476	0.00023	<0.000010	<0.00050	0.0484	0.000177	0.0101
TW3	2023-09-14	0.0054	<0.00020	0.00224	<0.0050	<0.0500	<0.000010	<0.00050	0.0063	0.00037	<0.000010	<0.00050	0.0507	0.000187	0.0224



Table D9: Aquifer 560 – Dissolved Metal Results (Town Wells and Water Distribution Points)

Sample Location	Sample Date	Aluminum (Al)-Dissolved	Antimony (Sb)-Dissolved	Arsenic (As)-Dissolved	Barium (Ba)-Dissolved	Boron (B)-Dissolved	Cadmium (Cd)-Dissolved	Chromium (Cr)-Dissolved	Copper (Cu)-Dissolved	Lead (Pb)-Dissolved	Mercury (Hg)-Dissolved	Selenium (Se)-Dissolved	Strontium (Sr)-Dissolved	Uranium (U)-Dissolved	Zinc (Zn)-Dissolved
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Guidelines		0.1	-	-	-	-	-	-	1	-	-	-	-	-	5
		2.9	0.006	0.01	2	5	0.007	0.05	2	0.005	0.001	0.05	7	0.02	-
TW4	2017-10-03	<0.005	<0.0002	0.00374	<0.005	0.0087	<0.00001	0.00086	0.00343	0.00021	-	<0.0005	0.0267	0.000163	0.0334
TW4	2019-02-06	<0.0050	<0.00020	0.00373	<0.0050	0.0052	<0.000010	0.0013	0.00525	0.00035	<0.000010	<0.00050	0.0263	0.00017	0.0082
TW4	2019-09-19	<0.0050	<0.00020	0.00357	0.0077	0.0089	<0.000010	0.00101	0.00652	0.00026	<0.000010	<0.00050	0.0263	0.000172	0.0061
TW4	2020-10-09	<0.0050	<0.00020	0.00348	<0.0050	<0.0500	<0.000010	0.00097	0.00151	0.00027	<0.000010	<0.00050	0.0265	0.000166	0.0084
TW4	2021-09-23	<0.0050	<0.00020	0.00303	<0.0050	<0.0500	<0.000010	0.00087	0.00164	<0.00020	<0.000010	<0.00050	0.0237	0.000151	<0.0040
TW4	2022-09-15	<0.0050	<0.00020	0.00345	0.0086	<0.0500	<0.000010	0.00094	0.00454	0.00024	<0.000010	<0.00050	0.0267	0.000157	0.0047
TW4	2023-09-14	<0.0050	<0.00020	0.00354	<0.0050	<0.0500	<0.000010	0.00091	0.00369	<0.00020	<0.000010	<0.00050	0.0295	0.000194	0.0146
TW6	2019-08-11	<0.0050	<0.00020	0.00362	0.0106	0.0104	<0.000010	0.00088	0.0024	<0.00020	<0.000010	<0.00050	0.0487	0.00051	0.0059
TW6	2019-08-12	<0.0050	<0.00020	0.00365	0.0108	0.0095	<0.000010	0.00077	0.00136	<0.00020	<0.000010	<0.00050	0.0478	0.000483	0.0109
TW6	2023-09-14	<0.0050	<0.00020	0.00338	<0.0050	<0.0500	<0.000010	<0.00050	0.0012	<0.00020	<0.000010	<0.00050	0.0475	0.000466	<0.0040

**Notes:**

GCDWQ represents the Guidelines for Canadian Drinking Water Quality, Summary Table (Health Canada, September 2022). Guidelines are health based and listed as maximum acceptable concentrations (MAC), or based on aesthetic considerations and listed as aesthetic objectives (AO).

**Violet highlight** - Value exceeds the Aesthetic Objectives (AO).

**Yellow highlight** - Value exceeds the Maximum Allowable Concentration (MAC).

mg/L means milligrams per litre.



Table D10: Aquifer 560 – Total Metal Results (Town Wells and Water Distribution Points)

Sample Location	Sample Date	Aluminum (Al)-Total	Antimony (Sb)-Total	Arsenic (As)-Total	Barium (Ba)-Total	Boron (B)-Total	Cadmium (Cd)-Total	Calcium (Ca)-Total	Chromium (Cr)-Total	Copper (Cu)-Total	Iron (Fe)-Total	Lead (Pb)-Total	Magnesium (Mg)-Total	Manganese (Mn)-Total	Mercury (Hg)-Total	Potassium (K)-Total	Selenium (Se)-Total	Sodium (Na)-Total	Strontium (Sr)-Total	Uranium (U)-Total	Zinc (Zn)-Total
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Guidelines		0.1	-	-	-	-	-	-	-	1	0.3	-	-	0.02	-	-	-	200	-	-	5
		2.9	0.006	0.01	2	5	0.007	-	0.05	2	-	0.005	-	0.12	0.001	-	0.05	-	7	0.02	-
Davis Road WDP	2021-09-24	<0.0050	<0.00020	0.00309	<0.0050	<0.0500	<0.000010	8.7	0.00084	0.00726	<0.010	0.0006	4.39	<0.00020	<0.000010	2.37	0.00051	5.82	0.0268	0.000203	<0.0040
Davis Road WDP	2022-09-15	<0.0050	<0.00020	0.00326	<0.0050	<0.0500	<0.000010	9.35	0.00079	0.0067	<0.010	0.00068	4.93	<0.00020	<0.000010	2.5	<0.00050	6.73	0.0337	0.000238	0.0048
Davis Road WDP	2023-09-14	0.0153	<0.00020	0.0032	<0.0050	<0.0500	<0.000010	10.6	0.00094	0.0558	<0.010	0.00026	5.59	<0.00020	<0.000010	2.76	<0.00050	7.36	0.0381	0.00029	0.0055
Parkland Reservoir WDP	2021-09-24	<0.0050	<0.00020	0.00359	<0.0050	<0.0500	<0.000010	8.79	0.00098	0.00258	<0.010	<0.00020	4.96	<0.00020	<0.000010	2.57	<0.00050	6.27	0.0281	0.000226	0.0053
Parkland Reservoir WDP	2022-09-15	<0.0050	<0.00020	0.00324	<0.0050	<0.0500	<0.000010	9.02	0.00074	0.00332	<0.010	<0.00020	4.99	<0.00020	<0.000010	2.48	<0.00050	6.26	0.033	0.000236	0.0044
Parkland Reservoir WDP	2023-09-14	<0.0050	<0.00020	0.00329	<0.0050	<0.0500	<0.000010	10.3	0.0009	0.00442	<0.010	<0.00020	5.74	<0.00020	<0.000010	2.77	<0.00050	7.29	0.0374	0.00029	0.0141
School Road WDP	2021-09-23	<0.0050	<0.00020	0.00332	<0.0050	<0.0500	<0.000010	8.26	0.00077	<0.00040	<0.010	0.00023	4.81	<0.00020	<0.000010	2.49	<0.00050	5.87	0.0268	0.000186	0.0059
School Road WDP	2022-09-15	<0.0050	<0.00020	0.00323	<0.0050	<0.0500	<0.000010	9.15	0.00075	<0.00040	<0.010	<0.00020	5.18	<0.00020	<0.000010	2.54	<0.00050	6.53	0.0338	0.00023	0.0045
School Road WDP	2023-09-14	<0.0050	<0.00020	0.00318	<0.0050	<0.0500	<0.000010	9.46	0.00077	<0.00040	<0.010	<0.00020	5.53	<0.00020	<0.000010	2.67	<0.00050	6.85	0.0352	0.00024	0.0066
TW1	2015-10-01	<0.003	<0.0005	0.00394	0.0026	<0.050	<0.00001	8.63	<0.001	0.00161	<0.005	<0.0002	4.19	<0.001	<0.00005	2.43	0.00058	5.87	0.0295	0.00019	<0.005
TW1	2016-10-18	<0.005	<0.0001	0.004	<0.005	0.01	<0.00001	9.5	0.0011	0.0034	<0.01	0.0001	4.3	<0.0002	<0.00002	2.38	0.0006	5.99	0.033	0.0003	0.005
TW1	2017-10-03	<0.005	<0.0002	0.00357	<0.005	0.0123	<0.00001	8.46	0.0011	0.00242	<0.01	<0.0002	5.08	<0.0002	<0.00001	2.52	0.00068	6.79	0.0311	0.000323	0.0041
TW1	2019-09-19	<0.0050	<0.00020	0.00348	<0.0050	0.012	<0.000010	8.07	0.00074	0.00234	<0.010	<0.00020	4.21	<0.00020	<0.000010	2.41	0.00051	6.04	0.0303	0.000298	0.0079
TW1	2020-10-09	<0.0050	<0.00020	0.00389	<0.0050	<0.0500	<0.000010	9.68	0.00069	0.00295	<0.010	<0.00020	4.93	<0.00020	<0.000010	2.53	0.00061	6.32	0.0323	0.000304	0.0053
TW1	2021-09-23	<0.0050	<0.00020	0.00391	<0.0050	<0.0500	0.000017	9.46	0.00091	0.00048	<0.010	0.00075	4.8	<0.00020	<0.000010	2.63	0.00058	6.26	0.0284	0.000368	<0.0040
TW1	2022-09-15	<0.0050	<0.00020	0.00344	<0.0050	<0.0500	<0.000010	9.36	0.00065	0.00052	<0.010	<0.00020	4.91	<0.00020	<0.000010	2.5	<0.00050	6.34	0.0326	0.000311	<0.0040
TW1	2023-09-14	<0.0050	<0.00020	0.00343	<0.0050	<0.0500	<0.000010	10.5	0.00078	0.00052	<0.010	<0.00020	5.27	<0.00020	<0.000010	2.68	0.00052	6.61	0.0357	0.000378	<0.0040
TW3	2015-10-01	<0.003	<0.0005	0.0023	0.0029	<0.050	<0.00001	9.41	<0.001	0.00381	<0.005	0.00037	6.16	<0.001	<0.00005	2.87	0.00032	7.28	0.0471	0.00013	<0.005
TW3	2016-10-18	<0.005	<0.0001	0.0023	<0.005	0.008	<0.00001	10.5	0.0009	0.0085	<0.01	0.0007	6.44	<0.0002	<0.00002	2.83	<0.0005	7.66	0.052	0.00018	0.013
TW3	2017-10-03	<0.005	<0.0002	0.00228	<0.005	0.021	<0.00001	9.41	0.00073	0.00889	<0.01	0.00069	7.22	<0.0002	<0.00001	3.01	<0.0005	8.79	0.0498	0.000185	0.0046
TW3	2019-09-19	<0.0050	<0.00020	0.00214	<0.0050	0.0144	<0.000010	8.82	0.00061	0.00805	0.033	0.00036	6.29	0.00089	<0.000010	2.76	<0.00050	7.7	0.0479	0.000175	0.0081
TW3	2020-10-09	<0.0050	<0.00020	0.00253	<0.0050	<0.0500	<0.000010	10.6	<0.00050	0.00773	<0.010	0.00047	7.02	0.00089	<0.000010	2.91	<0.00050	8.01	0.0512	0.00019	0.0115
TW3	2021-09-23	<0.0050	<0.00020	0.00209	<0.0050	<0.0500	<0.000010	8.95	<0.00050	0.00482	<0.010	0.00033	5.9	0.00021	<0.000010	2.74	<0.00050	6.77	0.038	0.000153	0.0063
TW3	2022-09-15	<0.0050	<0.00020	0.00214	<0.0050	<0.0500	<0.000010	9.55	<0.00050	0.00369	<0.010	0.00027	6.59	<0.00020	<0.000010	2.87	<0.00050	8.19	0.0484	0.00018	0.005
TW3	2023-09-14	0.0182	<0.00020	0.00224	<0.0050	<0.0500	<0.000010	10.5	0.00101	0.00691	<0.010	0.00043	6.94	0.00063	<0.000010	3.04	<0.00050	8.2	0.0517	0.000197	0.0182



**Table D10: Aquifer 560 – Total Metal Results (Town Wells and Water Distribution Points)**

Sample Location	Sample Date	Aluminum (Al)-Total	Antimony (Sb)-Total	Arsenic (As)-Total	Barium (Ba)-Total	Boron (B)-Total	Cadmium (Cd)-Total	Calcium (Ca)-Total	Chromium (Cr)-Total	Copper (Cu)-Total	Iron (Fe)-Total	Lead (Pb)-Total	Magnesium (Mg)-Total	Manganese (Mn)-Total	Mercury (Hg)-Total	Potassium (K)-Total	Selenium (Se)-Total	Sodium (Na)-Total	Strontium (Sr)-Total	Uranium (U)-Total	Zinc (Zn)-Total
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>Guidelines</b>		<b>0.1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>0.3</b>	<b>-</b>	<b>-</b>	<b>0.02</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>200</b>	<b>-</b>	<b>-</b>	<b>5</b>
		<b>2.9</b>	<b>0.006</b>	<b>0.01</b>	<b>2</b>	<b>5</b>	<b>0.007</b>	<b>-</b>	<b>0.05</b>	<b>2</b>	<b>-</b>	<b>0.005</b>	<b>-</b>	<b>0.12</b>	<b>0.001</b>	<b>-</b>	<b>0.05</b>	<b>-</b>	<b>7</b>	<b>0.02</b>	<b>-</b>
TW4	2015-10-01	<0.003	<0.0005	0.00355	0.0026	<0.050	<0.00001	7.69	<0.001	0.00193	<0.005	<0.0002	4.48	<0.001	<0.00005	2.4	0.00034	5.78	0.0247	0.00012	<0.005
TW4	2016-10-18	<0.005	<0.0001	0.0022	<0.005	0.007	<0.00001	11.3	0.0009	0.0057	0.06	0.0008	6.23	0.008	<0.00002	2.77	<0.0005	7.46	0.05	0.0002	0.681
TW4	2017-10-03	<0.005	<0.0002	0.00347	<0.005	0.0095	<0.00001	7.39	0.00108	0.00397	<0.01	0.00036	5.3	0.00081	<0.00001	2.45	<0.0005	6.77	0.0268	0.000176	0.034
TW4	2019-09-19	<0.0050	<0.00020	0.00344	<0.0050	0.0106	<0.000010	7.2	0.00104	0.00208	0.035	0.00024	4.5	<0.00020	<0.000010	2.33	<0.00050	6.17	0.0264	0.000164	0.0199
TW4	2020-10-09	<0.0050	<0.00020	0.00381	<0.0050	<0.0500	<0.000010	8.68	0.00108	0.00191	<0.010	0.00026	5.01	<0.00020	<0.000010	2.39	<0.00050	6.17	0.0282	0.000175	0.0048
TW4	2021-09-23	<0.0050	<0.00020	0.00368	<0.0050	<0.0500	<0.000010	7.56	0.00103	0.00204	<0.010	0.00029	4.62	<0.00020	<0.000010	2.39	<0.00050	5.64	0.023	0.000147	0.0048
TW4	2022-09-15	<0.0050	<0.00020	0.0034	<0.0050	<0.0500	<0.000010	8.06	0.00108	0.00138	<0.010	<0.00020	4.9	<0.00020	<0.000010	2.39	<0.00050	6.11	0.0271	0.00017	<0.0040
TW4	2023-09-14	<0.0050	<0.00020	0.00349	<0.0050	<0.0500	<0.000010	8.75	0.00097	0.00374	<0.010	<0.00020	5.22	<0.00020	<0.000010	2.56	<0.00050	6.55	0.0291	0.000185	0.0169
TW6	2019-08-12	0.0054	<0.00020	0.0033	<0.0050	0.0143	<0.000010	11.6	0.00059	0.00096	0.012	<0.00020	5.4	0.00044	<0.000040	2.63	0.00053	6.73	0.0446	0.000516	<0.0040
TW6	2023-09-14	0.0066	<0.00020	0.00324	<0.0050	<0.0500	<0.000010	13	0.00063	0.00111	<0.010	<0.00020	6.15	<0.00020	<0.000010	3.03	<0.00050	7.55	0.0467	0.000478	<0.0040

**Notes:**

GCDWQ represents the Guidelines for Canadian Drinking Water Quality, Summary Table (Health Canada, September 2022). Guidelines are health based and listed as maximum acceptable concentrations (MAC), or based on aesthetic considerations and listed as aesthetic objectives (AO).

**Violet highlight** - Value exceeds the Aesthetic Objectives (AO).

**Yellow highlight** - Value exceeds the Maximum Allowable Concentration (MAC).

mg/L means milligrams per litre.

