
APPENDICES

Appendix A. Hydrometric and water quality stations operated in northern Canada in 2002/03. (Source: MDA Consulting Ltd. 2003)

Table A-1. Hydrometric and water quality stations operated in the Yukon in 2002/03 (N=49). Highlighted stations (N=4) operated as water quality stations during 2002/03.

Table A-2. Hydrometric and water quality stations operated in the Northwest Territories in 2002/03 (N=73). Highlighted stations (N=18) operated as water quality stations during 2002/03.

Table A-3. Hydrometric stations operated in Nunavut in 2002/03 (N=21).

Appendix B. Water quality values for selected northern rivers.



Appendix A. Hydrometric and water quality stations operated in northern Canada in 2002/03. (Source: MDA Consulting Ltd. 2003)

Table A-1. Hydrometric and water quality stations operated in the Yukon Territories in 2002/03 (N=49). Highlighted stations (N=4) operated as water quality stations during 2002/03.

Station No.	Station Name	Location (Latitude _ Longitude)
08AA003	Dezadeash River at Haines Junction	60.74833 -137.5053
08AA005	Aishihik Lake near Whitehorse	61.19806 -136.9981
08AA007	Sekulmun Lake near Whitehorse	61.53611 -137.5903
08AA008	Sekulmun River at outlet of Sekulmun Lake	61.56389 -137.5325
08AA009	Giltana Creek near the mouth	61.19667 -136.9872
08AA010	Aishihik River below Aishihik Lake	61.18444 -136.99
08AA012	Aishihik Lake near Aishihik	61.59028 -137.4111
08AB001	Aisek River above Bates River	60.11917 -137.9742
08AC001	Takhanne River at Km 167 Haines Highway	60.09722 -136.9167
08AC002	Tatshenshini River near Dalton Post	60.11833 -137.0875
09AA004	Bennett Lake at Carcross	60.16389 -134.7075
09AA012	Wheaton River near Carcross	60.13472 -134.8958
09AA017	Tagish Lake at 10 Mile Road	60.15944 -134.3755
09AB001	Yukon River at Whitehorse	60.71389 -135.0431
09AB004	Marsh Lake near Whitehorse	60.53056 -134.3653
09AB010	Lake Laberge near Whitehorse	61.09028 -135.1992
09AC001	Takhini River near Whitehorse	60.85222 -135.7392
09AC007	Ibex River near Whitehorse	60.72667 -135.485
09AE002	Teslin Lake at Teslin	60.15833 -132.7075
09AE006	Morely River at Km 1251 Alaska Highway	60.00694 -132.1444
09AH003	Big Creek near the mouth	62.56861 -137.0161
09AH004	Nordenskiold River below Rowlinson Creek	62.05 -136.2792
09AH005	Drury Creek at Km 469 Robert Campbell Highway	62.20833 -134.3861

Station No.	Station Name	Location
09BA001	Ross River at Ross River	61.99445 -132.3778
09BC001	Pelly River at Pelly Crossing	62.82972 -136.5806
09BC004	Pelly River below Vangorda Creek	62.22222 -133.3778
09CA001	Kluane Lake near Burwash Landing	61.055 -138.5033
09CA004	Duke River near the mouth	61.36028 -139.1564
09CA006	Nisling River below Onion Creek	62.20806 -139.0486
09CB001	White River at Kilometre 1881.6 Alaska Highway	61.98667 -140.5531
09CD001	Yukon River above White River	63.08389 -139.4944
09DB001	Beaver River below Matson Creek	64.015 -134.1392
09DC004	Wareham Lake at Headgate	63.65667 -135.9172
09DC005	Mayo Lake near the outlet	63.77333 -135.3881
09DC006	Stewart River near Mayo	63.59056 -135.8967
09DD003	Stewart River at the mouth	63.28194 -139.2489
09DD004	McQuesten River near the mouth	63.61111 -137.2694
09EA003	Klondike River above Bonanza Creek	64.04278 -139.4078
09EA004	North Klondike River near the mouth	64.02111 -138.5828
09EB003	Indian River above the mouth	63.77111 -139.6292
09EB004	Sixty Mile River near the mouth	63.69028 -140.1633
09FC001	Old Crow River near the mouth	67.63445 -139.6964
09FD002	Porcupine River Near International Boundary	67.42416 -140.8911
10AA001	Liard River at Upper Crossing	60.05 -128.9
10AA004	Rancheria River near the mouth	60.20972 -129.55
10AA005	Big Creek at Km 1084.8 Alaska Highway	60.15833 -129.7028
10AB001	Frances River near Watson Lake	60.47389 -129.1189
YT10MB006	Bonnet Plume R. above mouth (water quality only)	65.425 -134.83056
YT09FB0003	Porcupine R. above Old Crow (water quality only)	67.57972 -13978194



Table A-2. Hydrometric and water quality stations operated in the Northwest Territories in 2002/03 (N=73). Highlighted stations (N=18) operated as water quality stations during 2002/03.

Station No.	Station Name	Location (Latitude_ Longitude)
10NC001	Anderson River below Carnwath River	68.643889 -128.425
10LA002	Arctic Red River near the mouth	66.788333 -133.07944
07SB013	Baker Creek at outlet of Lower Martin Lake	62.512778 -114.40333
10ED003	Birch River at Highway No. 7	61.336667 -122.08667
10ED007	Blackstone River at Highway No. 7	61.060833 -122.89444
07SB015	Bluefish Lake near Yellowknife	62.679167 -114.26444
07SB010	Cameron River below Reid Lake	62.994444 -113.28472
10JA002	Camsell River at outlet of Clut Lake	65.606667 -117.76528
10KB001	Carcajou River below Imperial River	65.297778 -127.68444
10LC007	Caribou Creek above Highway No. 8 (Dempster Highway)	68.089444 -133.49
10PB001	Coppermine River at outlet of Point Lake	65.413056 -114.00389
10PA001	Coppermine River below Desteffany Lake	64.615556 -111.95444
07SB012	Duncan Lake near Yellowknife	62.85 -113.96667
10MD001	Firth River near the mouth	69.313611 -139.56694
10EA003	Flat River at the mouth	61.530833 -125.40694
10JE002	Great Bear Lake at Hornby Bay	66.599722 -117.61917
10JC003	Great Bear River at outlet of Great Bear Lake	65.134722 -123.51806
07OB002	Great Slave Lake at Hay River	60.85 -115.79972
07SB001	Great Slave Lake at Yellowknife Bay	62.441667 -114.34972
06JB001	Hanbury River above Hoare Lake	63.601667 -105.13083
10ND004	Hans Creek above Eskimo Lakes	68.870556 -133.57833
10LC017	Havikpak Creek near Inuvik	68.314444 -133.52083
07OB008	Hay River near Alberta/NWT Boundary	60.004444 -116.96889
07OB001	Hay River near Hay River	60.744722 -115.85972
10OB001	Hornaday River near the Park Boundary	69.175833 -123.25139

Station No.	Station Name	Location
07SA004	Indin River above Chalco Lake	64.388611 -115.02083
10FB005	Jean-Marie River at Highway No. 1	61.445556 -121.24083
10HA004	Keele River above Twitya River	64.099722 -128.15
07TA001	La Martre River below outlet of Lac La Martre	63.109722 -116.97194
10ED001	Liard River at Fort Liard	60.243056 -123.47917
10ED002	Liard River near the mouth	61.746944 -121.22361
07RD001	Lockhart River at Outlet of Artillery Lake	62.896667 -108.47139
10LC013	Mackenzie River (East Channel) above Kittigazuit Bay	69.305556 -133.89278
10LC002	Mackenzie River (East Channel) at Inuvik	68.375556 -133.76278
10LC016	Mackenzie River (East Channel) at Tununuk Point	69.166667 -134.63333
10LC019	Mackenzie River (Kumak Channel) below Middle Channel	68.316389 -135.23222
10LC012	Mackenzie River (Middle Channel) at Tununuk Point	69.015556 -134.69222
10MC008	Mackenzie River (Middle Channel) below Raymond Channel	68.293056 -134.42222
10MC023	Mackenzie River (Napoik Channel) above Shallow Bay	68.638056 -134.97917
10MC003	Mackenzie River (Peel Channel) above Aklavik	68.213889 -135.11389
10MC011	Mackenzie River (Reindeer Channel) at Ellice Island	69.020556 -135.55417
10MC015	Mackenzie River (Reindeer Channel) below Louis Channel	68.883333 -135.01667
10LC014	Mackenzie River at Arctic Red River	67.458056 -133.74444
10LD001	Mackenzie River at Fort Good Hope	66.253889 -128.63306
10GC001	Mackenzie River at Fort Simpson	61.868611 -121.35694
10KA001	Mackenzie River at Norman Wells	65.272222 -126.88333
10KD001	Mackenzie River at Sans Sault Rapids	65.765 -128.75056
10FB006	Mackenzie River at Strong Point	61.817778 -120.79
10LC015	Mackenzie River below Confluence East Channel	67.794444 -134.12972
10MC010	Mackenzie River Outflow Middle Channel below Langley Island	69.077778 -135.12528
10GC003	Martin River at Highway No. 1	61.897222 -121.6075
07QD002	Nonacho Lake near Lutselk'e (Snowdrift)	61.730278 -109.67083
07KC001	Peace River at Peace Point (Alberta)	59.113889 -112.42639



Station No.	Station Name	Location
10MC002	Peel River above Fort McPherson	67.236111 -134.9075
10MC022	Peel River at Frog Creek	67.614444 -134.67306
07SB017	Prelude Lake near Yellowknife	62.583639 -113.9735
07SB014	Prosperous Lake near McMeekan Bay	62.5225 -114.15889
10HB005	Redstone River 63 km above the mouth	63.925278 -125.30056
10LC003	Rengleng River below Highway No. 8 (Dempster Highway)	67.755833 -133.84417
10GA001	Root River near the mouth	62.475833 -123.43
10ED009	Scotty Creek at Highway No. 7	61.413889 -121.45556
07NB001	Slave River at Fitzgerald (Alberta)	59.872222 -111.58333
07SA002	Snare River below Ghost River	63.975 -115.43361
07SA008	Snare River near inlet to Indin Lake	64.200278 -114.96694
10EB001	South Nahanni River above Virginia Falls	61.642222 -125.80333
07QD007	Taltson River below Hydro Dam	60.5 -111.5
10ND002	Trail Valley Creek near Inuvik	68.738056 -133.44056
10FA002	Trout River at Highway No. 1	61.139722 -119.83556
10GB006	Willowlake River above Metahdali Creek	62.650278 -122.89722
10PA002	Yamba River at outlet of Daring Lake	64.806667 -111.67806
07SB003	Yellowknife River at inlet to Prosperous Lake	62.669167 -114.2625
07SB019	Yellowknife River at outlet of Lower Carp Lake	63.555833 -113.98
07SB002	Yellowknife River at outlet of Prosperous Lake	62.491389 -113.52472

Table A-3. Hydrometric stations operated in Nunavut in 2002/03 (N=21).

Station No.	Station Name	Location (Latitude_ Longitude)
10RC001	Back River above Hermann River	66.08583333 -96.50388889
10RA001	Back River below Beechy Lake	65.1925 -106.0769444
10RA002	Baillie River near the mouth	65.04416667 -104.5125
10QC004	Burnside River at outlet of Contwoyto Lake	66.07222222 -111.2169444
10QC001	Burnside River near the mouth	66.73611111 -108.8188889
10QC003	Contwoyto Lake at Lupin Mine	65.76638889 -111.2291667
10PC004	Coppermine River above Copper Creek	67.22805556 -115.8877778
06KC003	Dubawnt River at outlet of Marjorie Lake	64.23083333 -99.47666667
10QD001	Ellice River near the mouth	67.71166667 -108.1405556
06LA003	Ennadai Lake near Ennadai, Site No. 2	61.13305556 -100.9
10PC005	Fairy Lake River near outlet of Napaktulik Lake	66.25194444 -113.9852778
10TF001	Freshwater Creek near Cambridge Bay	69.13083333 -104.9905556
10QB001	Hood River near the mouth	67.34166667 -108.9269444
06LC001	Kazan River above Kazan Falls	63.65277778 -95.855
06LA001	Kazan River at outlet of Ennadai Lake	61.25361111 -100.9738889
10PC001	Kendall River near Dismal Lakes	67.20861111 -116.5722222
10VK001	Ruggles River at outlet of Lake Hazen	81.79416667 -70.44027778
06JC002	Thelon River above Beverly Lake	64.53111111 -101.3647222
06MA006	Thelon River below Outlet of Schultz Lake	64.77305556 -97.0675
06HB002	Thlewiaza River above Outlet Sealhole Lake	60.78361111 -98.7775
10QA001	Tree River near the mouth	67.63416667 -111.9088889

Appendix B. Water quality values for selected northern rivers¹.

Variable (units)	Statistic	Sampling Sites ²						
		Northwest Territories Sites				Nunavut Sites		
pH (pH units)	Mean	Flat River near the mouth	Great Bear River at outlet of Great Bear Lake	Liard River near the mouth	Mackenzie River above Arctic Red River	Yellowknife River upstream of Yellowknife Bay	Coppermine River at outlet of Point Lake	Thelon River at outlet of Schultz Lake
	Minimum	8.1	7.6	8.0	7.8	7.2	7.0	6.8
	Maximum	6.9	6.2	7.0	6.5	6.0	5.8	5.2
	No. Samples	8.9	8.7	9.3	9.0	8.4	8.6	7.9
	Sampling period	1973-2003	1971-2003	1972-2003	1972-2003	1972-2001	1973-2000	1978-2001
Field Conductivity (µsie /cm)	Mean	268.6	151.7	286.5	253.2	41.7	12.7	35.0
	Minimum	80.0	70.0	130.0	59.6	10.0	4.6	10.0
	Maximum	496.0	380.0	704.5	423.0	90.0	23.0	90.0
	No. Samples	166	117	187	198	120	60	31
	Sampling period	1972-2003	1971-2003	1972-2003	1972-2003	1987-2001	1973-2000	1979-2001
Total Suspended Solids (mg/L)	Mean	85.2	6.4	210.8	120.1	17.2	2.4	2.6
	Minimum	L1.0	0.5	L1.0	L1.0	L1.0	L1.0	1.0
	Maximum	1,624.0	183.0	3,627.0	1,385.0	308.0	12.0	9.0
	No. Samples	153	146	210	236	143	91	34
	Sampling period	1972-2003	1969-2002	1962-2002	1966-2002	1973-1999	1979-1998	1979-1998
Total Dissolved Solids (mg/L)	Mean	174.8	85.7	190.7	184.9	23.2	7.1	120.7
	Minimum	85.0	5.0	5.0	113.0	1.0	4.0	12.0
	Maximum	256.0	150.0	400.0	264.0	42.0	12.0	1,040.1
	No. Samples	60	58	86	83	100	62	20
	Sampling period	1980-1994	1969-2002	1993-2002	1993-2002	1987-1996	1980-1996	1980-1988

¹ Adapted from MDA Consulting Ltd. (2003); based on data available to March 2003.

² Locations of stations are provided in Appendix A.

Variable (units)	Statistic	Sampling Sites ²							
		Northwest Territories Sites					Nunavut Sites		
Total Phosphorus (mg/L)	Mean	Flat River near the mouth	Great Bear River at outlet of Great Bear Lake	Liard River near the mouth	Mackenzie River above Arctic Red River	Yellowknife River upstream of Yellowknife Bay	Coppermine River at outlet of Point Lake	Thelon River at outlet of Schultz Lake	
	Minimum	0.1209	0.0117	0.2200	0.1314	0.0127	0.0099	0.021	
	Maximum	0.0020	L0.0010	L0.0020	0.0025	L0.0020	L0.0020	L0.0020	0.003
	No. Samples	4.1000	0.3630	10.6000	1.5380	0.2000	0.1000	0.16	
	Sampling period	57	119	231	206	86	85	28	
Total Hardness (mg/L)	Mean	1973-1995	1969-2002	1960-2002	1960-2002	1991-1999	1973-1998	1975-1998	
	Minimum	159.9	70.1	156.8	125.7	18.2	4.6	29.8	
	Maximum	73.8	30.4	71.6	60.1	0.7	0.7	8.9	
	No. Samples	225.5	89.3	248.6	205.0	42.9	8.0	193.5	
	Sampling period	59	114	168	195	100	63	21	
Total Zinc (mg/L)	Mean	1980-1994	1969-1996	1969-1996	1967-1996	1987-1996	1980-1996	1980-1988	
	Minimum	0.0328	0.0014	0.0225	0.0140	0.0027	0.0024	0.0103	
	Maximum	0.0008	L0.0005	L0.0001	L0.0005	L0.0002	L0.0002	L0.0002	
	No. Samples	0.4268	0.0176	0.3830	0.1850	0.0284	0.0197	0.0620	
	Sampling period	146	110	171	185	113	67	21	
		1984-2002	1983-1998	1983-2002	1980-2003	1987-1998	1984-1998	1984-1998	

