



November 16, 2012

Chuck Hubert
Senior Environmental Assessment Officer
Mackenzie Valley Environmental Impact Review Board
Box 938
#200 Scotia Centre, 5102-50th Avenue
Yellowknife, NT X1A 2N7

Dear Mr. Hubert,

De Beers Canada Inc. Gahcho Kué Project
- Fisheries and Oceans Canada Technical Report Recommendation #2

This letter provides information in response to Recommendation #2 provided in Fisheries and Oceans Canada's (DFO) technical submission for the Gahcho Kué Diamond Mine Project (Project), dated October 22, 2012:

Table 1 provides the requested summary information associated with ice thickness measurements of waterbodies within the local study area of the Project that pertains to fish overwintering habitat. The data includes waterbody size, maximum depth, dissolved oxygen, and sampling dates, where available. This table supplements the information provided in Round 1 Information Requests DFO & EC 9 (Table DFO & EC 9-1). Also, data from surveys completed in 2012 are included in Table 1, which were not available when the IR response was prepared.

Please do not hesitate to contact me should you have any questions.

Sincerely,

Veronica Chisholm
Permitting Manager

c. Sarah Olivier, Fish Habitat Management, Fisheries and Oceans Canada

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Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
A3	23.8	08-Apr-11	591071	7038680	1.2	12.2	1.0	17.1	120	1.5
							1.5	16.8	119.9	2
							2.2	15.4	112.4	3
							2.5	14.2	103.9	4
							2.6	12.6	92.9	5
							2.7	11.7	86.4	6
							2.8	10.1	74.5	7
							2.9	9.2	68.3	8
							3.0	8.1	60.7	9
							3.2	5.4	40.5	10
							3.5	3.5	26.7	11
							3.9	1.3	10.2	12
B1	8.2	06-Apr-11	588056	7038254	1.25	4.1	0.9	12.2	86.1	1.5
							1.8	11.3	80.9	2
							2.4	10.1	74.4	2.5
							2.9	6.9	51.2	3
							3.3	1.7	13	3.5
		30-Mar-12	588088	7038246	1.5	4.2	1.4	10.6	75.5	1.8
							2.5	9.0	-	2.5
							-	10.2	73.7	2
							3.2	3.7	-	3.5
							-	7.0	-	3
							-	1.2	9.3	4

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
D1	1.9	09-May-04	-	-	1.64	8.1	-	-	-	-
		29-Apr-05	-	-	1.79	8.15	-	-	-	-
		30-Mar-12	591517	7074892	1.4	7.9	0.5	-	15.94	1.7
							0.7	-	15.19	2
							1.0	96.5	13.7	3
							1.4	89.9	12.65	4
							1.7	83.0	11.58	5
							2.0	76.5	10.57	6
							2.3	-	9.49	7
		03-Apr-12	597598	7014446	1.3	17.1	0.9	15.2	106.7	1.7
							1.2	14.4	102	2
							1.7	13.0	93.6	3
							2.0	12.2	88.1	4
							2.1	11.5	83.6	5
							2.2	10.8	78.5	6
							2.3	10.4	76	7
							2.4	10.2	74	8
							2.5	9.5	69.4	9
							2.6	9.2	64.3	10
							2.5	9.0	65.8	11
							2.6	8.7	64.3	12
							2.7	8.4	62	13
							2.8	8.2	60.2	14
							2.8	7.8	58.2	15
							2.9	7.5	55.2	16
							3.0	1.0	7.7	17

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
D2	12.5	30-Mar-12	591282	7075631	1.5	2.5	0.8	15.8	110.8	1.7
							0.7	15.5	108.1	2
		02-Apr-12	590759	707983	1.3	7.9	0.8	14.7	102.8	1.6
							1.6	13.3	95.1	2
							2.5	9.5	70	3
							3.0	5.5	40.6	4
							3.2	4.1	30.5	5
							3.4	3.0	22.3	6
							3.6	1.9	14.6	7
D3	38.4	07-Apr-11	586606	7037077	1.3	2.5	1.9	7.9	57.1	1.5
							2.8	5.2	38.6	2
		30-Mar-12	590759	707983	1.4	5.6	16.0	9.9	-	0.3
							16.0	9.9	-	1
							16.0	9.9	-	2
							16.0	9.9	-	3
							16.0	9.9	-	4
							0.4	15.9	-	1.7
							0.6	15.7	-	2
							1.1	14.5	-	3
							1.4	13.5	-	4
							1.7	12.7	-	5
D4	1.9	30-Mar-12	590175	7076510	1.5	2.8	0.5	17.7	123.2	1.7
							0.6	17.1	118.4	2
							0.9	15.5	108.4	2.5
		01-Apr-12	601791	7052358	1.4	4	0.9	12.9	90.7	1.7
							2.0	11.9	85.9	2
							3.2	4.6	34.1	3
							4.0	0.6	4.7	4

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
D5	1.4	30-Mar-12	590813	7075201	1.3	9.8	15.9	10.09	10.09	0.3
							15.9	10	10	1
							16.0	9.99	9.99	2
							16.0	9.98	9.98	3
							16.0	9.98	9.98	4
							16.0	9.97	9.97	5
							16.0	9.97	9.97	6
							15.9	9.97	9.97	7
							15.9	9.97	9.97	8
							0.7	15.8	15.8	1.7
							0.7	15.26	15.26	2
							1.0	14.3	14.3	3
							1.4	13.65	13.65	4
							1.7	13.18	13.18	5
							2.0	12.2	12.2	6
							2.3	10.9	10.9	7
							2.7	9.53	9.53	8
							2.9	8.3	8.3	9
D7	40.2	09-May-04	-	-	1.75	9.4	-	-	-	-
		29-Apr-05	-	-	1.71	9.6	-	-	-	-
E1	20.2	09-May-04	-	-	1.68	8.6	-	-	-	-
		05-Apr-11	506663	7035331	1.35	3.4	1.2	10.8	76.4	1.5
							2.5	5.8	43.2	2
							3.4	1.0	7.5	2.5
		01-Apr-12	506701	7035320	1.5	2.8	1.6	9.9	78.5	1.8
							2.1	8.4	61	2
							2.9	4.7	34.7	2.5

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
F1	3.9	09-Apr-11	588454	7033953	1.15	6.8	1.4	5.6	39.6	1.5
							1.9	4.1	30.5	2
							2.4	2.6	18.9	2.5
							2.7	1.2	9.3	3
							2.9	0.6	4.8	3.5
							3.1	0.4	2.8	4
		01-Apr-12	580533	7033865	1.5	3.2	1.4	13.2	93.8	1.8
							1.7	9.9	70.6	2
							2.3	1.4	10.3	2.5
							2.9	0.8	5.8	3
Kennady Lake - Area 2	815 ^(a)	06-May-04	589025	7036713	2	15.5	1.4	14.4	-	3
							1.6	9.8	-	4
							1.9	7.1	-	5
							2.2	6.2	-	6
							2.4	4.4	-	7
							2.4	4.7	-	8
							2.7	3.6	-	9
							2.9	3.7	-	10
							3.3	2.5	-	11
							3.6	1.2	-	12
							3.8	0.5	-	13
							4.2	0.2	-	14
							4.5	0.1	-	15
		06-May-04 ^(b)	-	-	1.8	14.5	-	-	-	-
					1.8	15.5	-	-	-	-
					1.8	14.8	-	-	-	-
					1.8	14.2	-	-	-	-
					2	14.5	-	-	-	-
					2	15.2	-	-	-	-
					2	14.5	-	-	-	-

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
Kennady Lake - Area 2 (continued)	815 ^(a)	06-May-04 ^(b)	-	-	2	13	-	-	-	-
					2	14.4	-	-	-	-
					2	12.9	-	-	-	-
					2	13.8	-	-	-	-
					2	15	-	-	-	-
					1.8	14.8	-	-	-	-
					1.8	12.1	-	-	-	-
Kennady Lake - Areas 3+5	815 ^(a)	08-Apr-11	589018	7036735	1.08	14	1.2	16.9	119.4	1.5
							1.5	16.6	118.5	2
							1.9	15.5	111.9	3
							2.3	13.6	98.9	4
							2.7	12.3	91.3	5
							2.9	10.6	78.3	6
							3.2	8.6	63.9	7
							3.4	7.2	54	8
							3.6	6.1	46	9
							3.9	3.8	28.8	10
							4.1	1.5	11.7	11
							4.3	0.6	4.6	12
							4.5	0.2	1.8	13
							4.8	0.2	1.2	14
Kennady Lake - Area 4	815 ^(a)	04-May-04	589234	7035427	2	17	1.6	13.6	-	3
							2.9	9.5	-	4
							2.5	8.8	-	5
							2.7	7.6	-	6
							2.9	7.4	-	7
							3.0	3.4	-	8
							3.0	3.7	-	9

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
Kennady Lake - Area 4 (continued)	815 ^(a)	04-May-04	589234	7035427	2	17	3.1	3.3	-	10
							3.2	3.2	-	11
							3.3	2.3	-	12
							3.2	2.5	-	13
							3.3	1.7	-	14
							3.4	1.4	-	15
							3.5	1.0	-	16
							3.5	0.0	-	17
		06-May-04 ^(b)	-	-	1.2	11	-	-	-	-
					1.2	9.5	-	-	-	-
					1.2	11	-	-	-	-
					1.2	9.5	-	-	-	-
					2	10	-	-	-	-
					2	12	-	-	-	-
					2	10	-	-	-	-
					2	9.5	-	-	-	-
					2	9	-	-	-	-
					2	8	-	-	-	-
					2	11	-	-	-	-
					2	13	-	-	-	-
					2	15	-	-	-	-
					1.6	11	-	-	-	-
					2	10	-	-	-	-
					2	8.5	-	-	-	-
					2	8	-	-	-	-

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
Kennady Lake - Area 4 (continued)	815 ^(a)	07-May-04	589946	7036451	1.2	11	0.7	14.9	-	2
							1.4	9.5	-	3
							1.7	8.8	-	4
							2.1	6.6	-	5
							2.3	5.5	-	6
							2.5	5.9	-	7
							2.7	4.3	-	8
							2.9	4.0	-	9
							3.1	3.8	-	10
							3.2	0.5	-	11
		09-Apr-11	589925	7036298	1.25	11.8	0.6	17.9	124.8	1.5
							1.2	17.5	123.8	2
							1.9	16.1	116.3	3
							2.3	15.2	111.3	4
							2.7	13.9	102.6	5
							2.9	11.6	86.6	6
							3.1	10.3	77.5	7
							3.4	8.1	60.9	8
							3.5	6.5	48.8	9
							3.6	5.6	42.3	10
							3.8	4.3	32.9	11

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
Kennady Lake - Area 6	815 ^(a)	06-May-04 ^(b)	-	-	2	-	-	-	-	-
					2	11	-	-	-	-
					2	11	-	-	-	-
					2	-	-	-	-	-
					2	12	-	-	-	-
					2	21	-	-	-	-
					2	20	-	-	-	-
					2	18	-	-	-	-
					2	16	-	-	-	-
					2	17	-	-	-	-
		07-Apr-11	589260	7035403	1.18	13.6	0.8	15.7	109.8	1.5
							0.4	14.8	102.5	2
							1.7	13.4	96.2	3
							2.4	11.8	86.2	4
							2.8	9.9	73.3	5
							3.0	8.2	61.1	6
							3.2	7.4	55.1	7
							3.3	7.1	53	8
							3.4	6.3	47.1	9
							3.4	5.5	41.8	10
							3.5	4.9	36.9	11
							3.9	4.1	30.8	12
							3.7	3.4	25.8	13

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
Kennady Lake - Area 7	815 ^(a)	06-May-04 ^(b)	-	-	2	9	-	-	-	-
					2	7.5	-	-	-	-
					2	7.5	-	-	-	-
					2	7.5	-	-	-	-
					2	8	-	-	-	-
					2	7	-	-	-	-
					2	7	-	-	-	-
					2	8.5	-	-	-	-
					2	12	-	-	-	-
					2	12	-	-	-	-
					2	11.5	-	-	-	-
					2	11	-	-	-	-
					2	11.5	-	-	-	-
					2	8.5	-	-	-	-
		07-Apr-11	590144	7034987	1.25	9.5	0.5	17.0	117.7	1.5
							1.0	16.4	115.6	2
							1.7	15.5	111.2	3
							2.3	13.9	101.6	4
							2.7	11.1	82.4	5
	3.2						7.0	52	6	
	3.5						4.0	30.7	7	
	3.8						1.6	12.3	8	
	3.9						0.6	4.5	9	

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
Kennady Lake - Area 8	815 ^(a)	05-May-04	591934	7035751	2	9.3	2.2	13.7	-	3
							3.0	7.6	-	4
							3.4	5.5	-	5
							3.6	4.3	-	6
							3.7	3.0	-	7
							3.9	1.5	-	8
							4.2	0.1	-	9
		06-May-04 ^(b)	-	-	1.6	2.35	-	-	-	-
					1.6	2.4	-	-	-	-
					1.6	2.2	-	-	-	-
					1.6	2.9	-	-	-	-
					1.6	2.4	-	-	-	-
					1.6	3.15	-	-	-	-
					1.6	3	-	-	-	-
					1.6	3.1	-	-	-	-
					1.6	3.1	-	-	-	-
					1.6	9.9	-	-	-	-
					1.6	8.6	-	-	-	-
					1.6	9.2	-	-	-	-
					1.6	6.9	-	-	-	-
					1.6	7.5	-	-	-	-
					1.6	2.3	-	-	-	-
					1.6	4.4	-	-	-	-
					1.6	8.4	-	-	-	-
					1.6	6.85	-	-	-	-
					1.6	6.15	-	-	-	-
					1.6	6.1	-	-	-	-
					1.6	8.3	-	-	-	-
					1.6	7.5	-	-	-	-
		09-May-04	-	-	1.65	7.14	-	-	-	-

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Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
Kennady Lake - Area 8 (continued)	815 ^(a)	18-Jan-05	-	-	1.74	7.16	-	-	-	-
		12-Apr-11	591853	7035753	1.2	9.8	0.6	15.9	110.8	1.5
							1.1	15.1	106.5	2
							2.0	14.4	104.1	3
							2.3	13.1	95.6	3.5
							2.6	12.6	93	4
							3.0	9.8	73.5	5
							3.3	8.7	66.5	6
							3.5	6.4	48	7
							3.8	3.4	25.8	8
							4.0	1.7	13.8	9
							4.2	1.0	7.7	9.8
L1b	5.4	11-Apr-11	-	-	1.25	-	-	-	-	-
L2	12.6	11-Apr-11	-	-	1.25	-	-	-	-	-
		01-Apr-12	593422	7039005	1.7	2.3	1.4	6.4	45.4	1.7
							2.0	4.9	35.2	2
L16	0.7	11-Apr-11	-	-	1.25	-	-	-	-	-
L410	579	09-May-04	595528	7049182	2	6.5	0.2	10.7	-	3
							1.6	6.1	-	4
							3.0	5.2	-	5
							3.4	0.3	-	6
		09-Apr-11	597094	7047535	1.25	9.1	0.4	16.2	112.3	1.5
							1.2	15.3	108.8	2
							1.6	14.8	106.5	2.5
							2.3	13.9	102.2	3
							2.7	9.7	71.3	3.5
							3.0	8.3	65.6	4
							3.5	6.0	46.6	4.5
							3.5	5.1	38.5	5
M1	11.0	11-Apr-11	-	-	1.25	-	-	-	-	-

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Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
M2	32.1	30-Mar-12	596953	7045109	1.2	4.1	1.2	12.2	85.9	1.7
							2.0	9.7	70.2	2
							2.6	7.8	57.4	2.5
							3.0	5.0	37.4	3
							3.5	1.8	13.6	3.5
							3.9	0.8	5.9	4
M3	91	11-Apr-11	597425	7043953	1.3	7.5	1.7	14.8	106.7	1.5
							1.9	14.7	106.4	2
							2.2	13.9	101.4	2.5
							2.6	13.3	97.7	3
							2.8	12.3	91.1	3.5
							3.1	10.8	82.1	4
							3.4	8.7	67.2	5
							3.9	3.3	26.4	6
M4	80.6	11-Apr-11	595226	7040172	1.3	13	0.6	16.5	114.3	1.5
							1.0	16.8	117.8	2
							1.7	15.8	113.2	3
							2.2	13.6	100.1	4
							2.6	11.2	84.1	5
							2.9	9.4	69.8	6
							3.0	8.5	63.9	7
							3.1	7.7	57.9	8
							3.2	7.1	53.2	9
							3.3	6.3	46.5	10
							3.4	4.8	36.3	11
N1	375.5	09-May-04	-	-	1.72	8	-	-	-	-
		29-Apr-05	-	-	1.8	8	-	-	-	-

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
N2	27.1	29-Apr-05	-	-	1.86	8.5	-	-	-	-
		11-Apr-11	591599	7044342	1.2	5.5	0.7	14.9	107.4	1.5
							1.7	14.6	105.3	2
							2.5	13.1	97.1	2.5
							2.9	11.8	87	3
							3.1	9.8	72.9	3.2
N9	100.0	08-Apr-11	590944	7039568	1.23	-	1.5	15.9	113.9	1.5
							1.6	15.0	107.8	2
							1.8	14.7	105.9	2.3
N11	537.9	06-Apr-11	587413	7040208	1.08	3	1.9	13.9	100.2	1.5
							1.8	13.4	96.5	2
							2.3	12.3	90	2.5
N12	100.8	06-Apr-11	588442	7039302	1.3	5.8	2.0	12.6	91.5	1.5
							2.4	11.0	80.7	2
							3.2	6.6	49.1	2.5
N14	21.1	30-Mar-12	586011	7036099	1.4	2.6	2.5	3.8	28	1.7
							2.4	3.1	22.5	2
							3.5	1.4	11	2.5
N16	1069	09-May-04	582818	7039529	2	10	1.3	7.4	-	3
							1.5	6.8	-	4
							1.8	7.3	-	5
							2.2	6.6	-	6
							2.1	6.0	-	7
							2.2	5.7	-	8
							2.2	0.1	-	9
							2.2	0.1	-	10
		05-Apr-11	582818	7039529	1.08	-	0.6	17.2	119.9	1.5
							1.1	15.5	109.5	2
							1.4	14.8	105.6	2.5
							1.5	14.3	102.5	3

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
N16 (continued)	1069	05-Apr-11	582818	7039529	1.08	-	1.8	13.6	98.2	3.5
							2.0	12.5	90.5	4
							2.2	12.0	86.5	4.5
							2.3	11.4	83.4	5
N17	91.5	05-Apr-11	584508	7036583	1.05	11.8	1.3	15.6	110.2	1.5
							2.1	14.7	106.8	2
							2.5	14.1	103	2.5
							2.9	12.5	93.4	3
							3.1	11.0	82.2	3.5
							3.4	9.3	70.7	4
							3.6	7.9	60.3	4.5
							3.7	7.0	53.7	5
							3.8	6.0	46.6	6
							3.9	5.0	38.4	7
							3.9	4.4	33.6	8
							4.0	3.0	22.9	9
							4.3	2.4	18.8	10
							4.5	1.8	13.6	11
Kirk Lake	6,400	09-Apr-11	592327	7061012	1.25	2.7	1.6	8.2	55.5	1.5
							2.9	7.8	57.3	2
							3.0	5.0	37.3	2.5
							3.3	3.2	25	2.7
		30-Mar-12	592305	7061034	1.4	2.3	1.6	8.3	60	1.7
							2.4	3.2	25.1	2
East Lake (Reference)	578	11-Apr-11	599138	7040849	1.2	11.8	2.0	16.6	120.2	1.5
							1.6	16.2	115.8	2
							1.7	15.8	114.1	2.5
							1.6	15.5	111.3	3
							1.7	15.0	110.7	3.5
							1.7	14.5	104.3	4

Table 1 Ice Thickness and Associated Dissolved Oxygen Measurements Recorded in Waterbodies Located with the Gahcho Kué Project Local Study Area (continued)

Site	Lake Area (ha)	Sampling Date	UTM		Ice Thickness (m)	Lake Depth at Sampling Location (m)	Temperature (°C)	DO (mg/L)	DO (%)	Profile Depth (m)
			Easting (m)	Northing (m)						
East Lake (Reference) (continued)	578	11-Apr-11	599138	7040849	1.2	11.8	1.9	13.9	100.8	5
							1.9	13.5	98.2	6
							2.1	13.0	94.1	7
							2.2	12.3	90.2	8
							2.3	11.7	85.7	9
							2.4	11.3	82.6	10
							2.5	10.7	78.5	11
X6	571.2	07-Apr-11	586134	7032524	1.2	4.2	0.9	15.8	111.3	1.5
							1.9	14.4	104	2
							2.1	14.0	101.4	2.5
							2.6	13.5	99.6	3
							2.9	11.7	87.4	3.5
							3.3	8.2	61.3	4
		01-Apr-12	-	-	1.4	5.5	0.9	14.8	103.7	1.7
							1.4	14.3	101.6	2
							2.5	12.0	87.7	3
							3.1	7.1	53.4	4
							3.7	2.6	20	5

Notes: ha = hectare; m = metre; °C = degrees Celsius; mg/L = milligrams per litre; % = percent; - = data not recorded or not available

^(a) Area for entire Kennady lake – not by basin; ^(b) Multiple lake measurements during hydrometric survey

Sources: JWEL, 2002b. Data Compilation (1995-2001) and Trends Analysis Gahcho Kué (Kennady Lake), Report ABC50310;

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