Appendix B - 44

Sampling Details

Site 44 - Marshall Creek

Marshal Creek Sampling Record

Water Sampling Record

Sample: 44-W1

Coordinates: B2+30, 0+75

Date: September 06, 1996

Location: North end of west (large) pond.

Clarity: Clear

Water Temperature: 10°C

pH: 8.5

Comments: Silt bottom. Smell of hydrocarbons. Barrels, tire and lumber visible in pond. Grass and rhubarb

visible along shallow edge. Close to 44-S4

Sample: 44-W2

Coordinates: B1+80, 0+50

Date: September 06, 1996

Location: South end of west (large) pond, near confluence with Dezadeash River.

Clarity: Clear

Water Temperature: 10°C

pH: 8.4

Comments: Silt bottom. Grasses on pond edge along with conifers and small vegetation. Close to 44-S10.

Sample: 44-W3

Coordinates: B2+00, 0+20

Date: September 06, 1996

Location: On Dezadeash, west of western (large) pond outlet. Water 6" deep with drop off 1 metre off

shore.

Clarity: Clear

Water Temperature: 10°C

pH: 8.4

Comments: Bottom 80% silt, gravel and stone 20%.

Sample: 44-W4

Coordinates: B1+40, 0+80

Date: September 06, 1996

Location: On Dezadeash River, just prior to promontory that separates the marsh area and the main river

channel. Adjacent to a small bank indentation that is filled with garbage.

Clarity: Moderate green/gray

Water Temperature: 10°C

pH: 8.2

Comments: The pH in the indentation was 8.2.

Sample: 44-W5

Coordinates: B0+90, 1+40

Date: September 06, 1996

Location: On marsh adjacent to the Dezadeash River.

Clarity: Clear

Water Temperature: 9°C

pH: 8.4

Comments: Shallow silt bottom with drop off into centre.

Sample: 44-W6

Coordinates: B2+30, 0+98

Date: September 06, 1996

Location: East (small) pond, north west side.

Clarity: Moderate

Water Temperature: 9°C

pH: 8.8

Comments: Taken amidst swamp grass.

Sample: 44-W7

Coordinates: B1+45, 0+90

Date: September 06, 1996

Location: In Test Pit # 2 (44-TP2).

Comments: Taken at same depth as 44-S7.

Sample: 44-W8

Coordinates: B2+20, 1+06

Date: September 06, 1996

Location: East (small) pond, north west side.

Comments: Taken in the middle of the pond.

Sample: 44-W9

Coodinates: B2+20, 0+95

Date: September 06, 1996

Location: East (small) pond, north west side.

Comments: Taken in the middle of the pond.

Test Pit Sampling Record

Sample: 44-TP1

Coordinates: B1+75, 0+75

Date: September 06, 1996

Location: 4 metres south of the west (large) pond, 4 metres away from the Dezadeash River.

Ground Description: Gravel from the surface to the 1.75 metre depth, where groundwater was found.

Sample Profile: See 44-S6

Sample: 44-TP2

Coordinates: B1+45, 0+96

Date: September 06, 1996

Location: Equidistant from the west (large) pond and the marsh, 4 metres away from the Dezadeash River.

Ground Description:

Gravel from the surface to the 1.75 metre depth.

Sample Profile:

See 44-S7 and 44-W7.

Soil Sampling Record

Sample: 44-S1

Coordinates: B2+40, 0+60

Date: September 06, 1996

Location: 5 metres north of west (large) pond.

Sample Profile: Light grey, fine soil/gravel. Sample depth 1.5 feet.

Sample: 44-S2

Coordinates: B2+35, 0+45

Date: September 06, 1996

Location: 5 metres north of west (large) pond.

Sample Profile: 10 cm organic layer. Wet grey fine clay. Hitting solid (possibly rock) at 6".

Comment: 2nd auger hole. 80% stones and 20% grey fine clay. Water seeping in at 1.5 foot level.

Sample: 44-S3

Coordinates: B1+65, 0+50

Date: September 06, 1996

Location: On south side of channel joining west (large) pond and Dezadeash pond. Near 44-W2.

Sample Profile: Fine grey clay - wet.

Sample: 44-S4

Coordinates: B2+35, 0+75

Date: September 06, 1996

Location: North end of west (large) pond. Near 44-W2.

Ground Description: Grasses growing, smell of hydrocarbons.

Sample Profile: Sample 6". Silt grey clay first 2". Sand clay down to 6".

Sample: 44-S5

Coordinates: B1+80, 0+65

Date: September 07, 1996

Location: Between 44-TP1 and west (large) pond.

Ground Description: Grass, some debris.

Sample Profile: Sample depth 8 inches. Wet gravel, black fine silt.

Sample: 44-S6

Coordinates: B1+75, 0+70

Date: September 07, 1996

Location: 4 metres south of the west (large) pond, 4 metres away from the Dezadeash River.

Ground Description: Gravel from the surface to the 1.75 metre depth, where groundwater was found.

Sample Profile: Bottom of 44-TP1

Sample: 44-S7

Coordinates: B1+45,0+90

Date: September 07, 1996

Location: Equidistant from the west (large) pond and the marsh, 4 metres away from the Dezadeash River.

Ground Description:

Gravel from the surface to the 1.75 metre depth.

Sample Profile:

See 44-W7. Bottom of 44-TP2. Mostly gravel.

Sample: 44-S8

Coordinates: B2+15, 0+90

Date: September 07, 1996

Location: Taken from small (east) pond on the west side, at the end of the beaver trail connecting both

ponds

Sample Profile: Water saturated sample taken at water level; fine silt, pebbles, sand, grey in colour. 5% of

the sample was rock. This was discarded. Sample depth was 0 - 6 inches.

Sample: 44-S9

Coordinates: B2+55, 0+98

Date: September 07, 1996

Location: Taken from small (east) pond on the north side on the bank. Bank height was approx. 2 inches

above the pond water level.

Sample Profile: 1" active layer, sample silty gravel, taken from 2-8" depth.

Sample: 44-S10

Coordinates: B1+75, 0+50

Date: September 07, 1996

Location: Confluence between the large (west) pond and the Dezadeash River. Taken from the NE side of

the channel, 4 inches below the water surface and 0.5 meters from the pond bank.

Sample Profile: Very fine grey silt.

Comment: The first sample attempt was taken 0.25 metres further towards the river. The sample contained

a piece of glass and an old spring. This sample was discarded.

Sample: 44-S11

Coordinates: B0+90, 1+00

Date: September 07, 1996

Location: Promontory between the main river channel and the marsh downstream from the beaver dam.

Sample taken on the marsh side.

Sample Profile: Taken from 4-10 inches depth. Very fine silt/grey clay, very moist, 5% trace of plant matter.

Comment: Stick used to remove sample from auger, stick broke into sample. 50% of sample discarded due

to small size of sample bag.

Sample: 44-S12

Coordinates: B1+40, 0+90

Date: September 07, 1996

Location: Adjacent to 39-TP2.

Sample Profile: Gravel/grey sand mix. 60% of sample was gravel and it was not discarded. Sample not

moist.

Comment: Sample fell out of auger into sample hole. Removed and bagged by hand. 5 mm moss covering

sample site, along with scattered debris.

Sample: 44-S13

Coordinates: B1+20, 1+25

Date: September 07, 1996

Location: Mound of dry grey sand within poplar forest.

Ground Description: Mound of dry grey sand 2.5 metres in diameter. Poplar trees growing around the edge,

40 cm to 1 m. in height. These plants have white spots and brown spots on their leaves.

Sample Profile: Depth taken was 8 inches to 14 inches. Dry grey sand with 5% trace of plant material.

Sample: 44-S14

Coordinates: B1+25, 1+75

Date: September 07, 1996

Location: Mound of dry grey sand within poplar forest, about 50 metres further in that 44-S13

Adjacent Vegetation: Tall poplars, 8 metres high but very little underbrush.

Ground Description: Metal debris, scattered. Includes cans, bottles, small car parts.

Sample Profile: 1 inch surface layer of dead leaves. 2 inches - 6 inches grey silty clay.

Sample: 44-S15

Coordinates: B0+75, 2+25

Date: September 07, 1996

Location: Mound of dry grey sand within poplar forest, about 50 metres away from the beaver pond marsh.

Ground Description: No vegetation on mound. Mound diameter is 2 metres, with lots of buried metal - cans,

wheel rims etc.

Sample Profile: Grey silty clay, 2" -8" sample depth.

Comment: The mound was dug into with a shovel. Buried can and a broken concrete block were found.

Sample: 44-S16

Coordinates: B1+49, 1+45

Date: September 07, 1996

Location: Depression with lots of surface debris. Close to upside down abandoned car.

Adjacent Vegetation:

Ground Description: Depression 30 cm deep and 2 metres in diameter. Extensive small garbage: oil + pop cans,

glass, small miscellaneous: filing cabinet.

Sample Profile: 0" to 4 " composed of debris and leaves cleared by shovel. 4" to 9" grey silty clay.

Appendix C - 30

Field Laboratory Data

Site 30 - Burwash Landing

SITE	DATE	TIME	TEMP	SOIL/ WATER	SAMPLE CODE	READING (ppm)	OOMMENT
30	5-Sep-96	7:00	9.6	Soil	30-1	93 (658)	* temperature calibration off, over time
30	5-Sep-96	7:00	9.8	lios	30-2	440 (371)	* temperature calibration off, over time
30	5-Sep-96	7:00	9.8	soil	30-3	256	* temperature calibration off, over time
30	5-Sep-96	7:00	9.6	soil	30-4	143	* temperature calibration off, over time
တ္တ	5-Sep-96	7:00	9.8	Soil	30-5	291	* temperature calibration off, over time
30	5-Sep-96	7:30	8.0 8.0	soil	30-6	212	
90	5-Sep-96	7:30	8.6	soil	30-7	475	
30	5-Sep-96	7:30	9.8	soit	30-8	323	
90	5-Sep-96	7:30	8.6	lios	90-6	429	
30	5-Sep-96	7:30	9.6	soil	30-10	8	
99	5-Sep-96	7:30	9.8	soil	30-11	∞	
တ္ထ	5-Sep-96	7:30	8.0	soil	30-12	155	
80	96-deS-5	7:30	8.6	soil	30-13	23	
90	96-deS-5	7:30	8.6	soil	30-14	78	
30	5-Sep-96	7:30	9.8	soil	30-15	644	
30	96-dəS-5	7:30	9.8	soil	30-16	22	
ဓ္တ	5-Sep-96	7:30	8.0	Soil	30-17	EEEE	*sample concentration higher than test range
တ္ထ	96-deS-5	7:30	8.6	soil	30-1	564	
30	96-deS-5	7:30	8.6	Soil	30-2	318	
30	5-Sep-96	7:30	8.6	soil	30-3	234	
30	96-dəS-5	7:30	8.6	soil	30-4	154	
30	5-Sep-96	7:30	8.6	soil	30-5	317	
99	7-Sep-96	7:00	æ	soil	30-BL	11	*background level @ site 30
ဓ	7-Sep-96	2:00	∞	soil	30-19	198	
တ္ထ	7-Sep-96	2:00	æ	soil	30-24	37	
တ္ထ	7-Sep-96	2.00	80	soil	30-21	0	
စ္က	7-Sep-96	7:00	∞	soil	30-23	114	
30	8-Sep-96	9:00	16.1	soil	30-17	EEEE	*1g sample used, sample concentration too high
30	8-Sep-96	9:00	16.1	soil	30-23	112	

/3		*concentration exceeds OCME				* very high concentration, exceeds BCMOE	* concentration approaches CCME	*concentration may exceed CCME	*concentration may exceed CCME			COMMENT				*concentration exceeds CCME				
BONS (PAH's	ACTUAL	(mdd)	< 0.6 ppm	< 0.6 ppm	< 0.6 ppm	> 25 ppm	qdd 8	10.4 ppb	8 ppm	(8,8)	ACTUAL	(ppm)	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm	0.65 ppm	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm
CLIC AROMATIC HYDROCARBONS (PAH's)		READING (%)	9	9	9	79%	1%	2%	54%	DTECH ANNALYSIS AT SITE 30 : POLYCHLORINATED BIPHENYLS (PCB's)		READING (%)	O7	ro C	ro ro	13%	PO	PO	잌	잌
LICAROMA	REFER-	ENCE	460	384	434	462	410	394	346	LORINATE	REFER-	ENCE	462	338	339	598	098	339	343	314
	SAMPLE	CODE	30-1	30-7	30-15	30-17	30-w1	30-w2	30-23	POLYCH	SAMPLE	CODE	30-5	30-5	30-8	30-17	30-23	30-6	30-19	30-15
SITE 30	SOIL /	WATER	soil	soil	soil	soil	water	water	soil	T SITE 30.	SOIL /	WATER	lios	soil	soil	soil	soil	soil	soil	soil
4L YSIS AT		TEMP	æ	80	æ	æ	7	7	16.2	VAL YSIS A	TEMP	(DEG C)	12	12	15	12	18.8	18.8	18.8	15.7
 DTECH ANALYSIS AT SITE 30 : POLYC)		DATE	96-Sep-96	06-Sep-96	96-Sep-96	06-Sep-96	07-Sep-96	07-Sep-96	08-Sep-96	DTECHAN		DATE	96-Sep-96	06-Sep-96	96-deS-90	96-Seb-90	08-Sep-96	96-deS-80	08-Sep-96	08-Sep-96

Appendix C - 39

Field Laboratory Data

Site 39 - Kathleen River Crossing

		COMMENT					*39-6 too much organic								
	READING	(mdd)	0	593	1893	7		0	232	14	1081	တ	363	224	875
PETROCHEM : TOTAL HYDROCARBON (RESPONSE FACTOR 5)		SAMPLE CODE	39-1	39-2	39-3	39-5	39-6	39-8	39-9	39-10	39-11	39-1	39-4	39-7	39-3
HESPONSI	/ NOS	WATER	soil	Soil	soil	soil	Soil	soil	soil	soil	soil	soil	soil	soil	soil
ARBON (TEMP	ಜ	ಜ	ន	ឌ	ន	23	ಜ	ಜ	ಜ	ಜ	ಜ	23	16.1
. нуряос		TIME	4:30	4:30	4:30	4:30	4:30	4:30	4:30	4:30	4:30	5:45	4:30	5:45	9:00
EM: TOTAL		DATE	96-dəS-7	96-deS-7	7-Sep-96	7-Sep-96	7-Sep-96	7-Sep-96	96-dəS-7	7-Sep-96	7-Sep-96	7-Sep-96	7-Sep-96	96-dəS-2	8-Sep-96
PETROCHI		SITE	33	39	39	39	39	33	39	33	39	39	33	33	33

		*concentration exceeds CCME	*concentration may exceed CCME		*concentration may exceed CCME				לד			
*		*concentr	*concentr						COMMENT			
/5	ACTUAL	(mdd)	0.64 ppm	< 0.6 ppm	0.66 ppm			ACTUAL	(mdd)	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm
DTECH ANALYSIS: POLYCYCLIC AROMATIC HYDROCARBONS (PAH's)		READING (%)	5%	으	3%		S (PCB's)		READING (%)	ОП	07	ro C
TICHYDRO	REFER-	ENCE	363	377	389		BIPHENYL	REFER-	ENCE	340	343	344
ICAROMA	SAMPLE	CODE	36-5	E-6E	39-10		HINATED.	SAMPLE	CODE	39-2	39-3	39-11
zer reral	SOIL /	WATER	soil	soil	soil	بندسه يورون ببزد ما	301 YCHILC	SOIL /		soil	soil	soil
4 : SIS. 7		TEMP	16.2	16.2	16.2		1.5/5.17	TEMP	(DEGC)	18.8	16.5	16.5
DTECHAN		DATE	08-Sep-96	08-Sep-96	08-Sep-96		DTECH ANALYSIS : POLYCHLORINATED BIPHENYLS (PCB's)		DATE	08-Sep-96	08-Sep-96	08-Sep-96

Appendix C - 44

Field Laboratory Data

Site 44 - Marshall Creek

7. TOT.	донахн т	CARBON (,	HESPONSE	PETROCHEM : TOTAL HYDROCARBON (RESPONSE FACTOR 5)		
			SOIL /		READING	
	TIME	TEMP	WATER	SAMPLE CODE	(mdd)	COMMENT
7-Sep-96	5:45	23	lios	44-1	285	
7-Sep-96	5:45	23	soil	44-2	109	
7-Sep-96	5:45	ಜ	Soil	44-3	35	
7-Sep-96	5:45	83	Soil	44-4	12	
7-Sep-96	5:45	23	soil	44-5	288	
7-Sep-96	5:45	23	soil	44-6	0	
7-Sep-96	5:45	23	soil	44-7	0	
7-Sep-96	7:00	8	soil	44-8	117	
7-Sep-96	7:00	80	soil	44-9	86	
7-Sep-96	7:00	8	soil	44-10	108	
7-Sep-96	7:00	8	Soil	44-11	61	
7-Sep-96	7:00	80	lios	44-12	18	
8-Sep-96	9:00	16.1	soil	44-13	230	
8-Sep-96		16.1	soil	44-14	107	
8-Sep-96		16.1	soil	44-15	185	
8-Sep-96	9:00	16.1	soil	44-16	63	
8-Sep-96	9:00	16.1	lios	44-17	69	
8-Sep-96	9:00	16.1	soil	44-5	386	

DTECH ANALYSIS: POLYCYCLIC AROMATIC HYDROCARBONS (PAH's)	SAMPLE REFER- ACTUAL ACT	394 3% (2) (PP)	380 LO <8 ppb	> O1 868	44-10 400 LO < 0.6 ppm	44-8 398 LO <0.6 ppm	44-13 406 1% 0.62 *concentration may exceed CCME		DIECH ANALYSIS: FULYCCHLUHINAIED BIFHENYLS (FCDS)	SAMPLE REFER-		44-4 335 LO <0.5 ppm	44-16 356 LO < 0.5 ppm	44-14 342 LO <0.5 ppm	2	
S AROMATIC HYD.	 	╁	-	-				יחוימים מחדיוומר	JHINA I EU BIFHEI			_			-	700
301 YCYCLIA	SOIL /	WAICH	water	soil	Soil	lios	soil		となどだ	 SOIL /	WATER	soil	soil	soil	soil	-
4: SIS. 7b		EMF	7	16.2	16.2	16.2	16.2		47,272.7	TEMP	(DEG C)	1	16.5	15.7	15.7	111
DTECH AN	ļ	OA See OE	06-dec-70	08-Sep-96	08-Sep-96	08-Sep-96	08-Sep-96		ロークイナング		DATE	08-Sep-96	08-Sep-96	08-Sep-96	08-Sep-96	20 00