

**Table 4 Summary of Waste Materials
Mid-Station FOX C DEW Line Site**

Site Name	Location	Waste Items	Comments	Non Hazardous Volume m ³	Hazardous Volume m ³
Mid station Barrel Dump #3		NON-HAZARDOUS			
		225 empty barrels (stacked)		33.75	
		scattered metal debris below barrels		5	
		scattered wood debris below barrels		5	
		wooden cable spools		4	
		remains of aluminum antenna		1	
		rubber hoses		1	
		electrical wire		1	
		metal piping		2	
		fire extinguishers		0.5	
		generators, misc. equipment	Fluids in generator (glycol, fuel, oil etc.) must be disposed of as required	1	
		concrete		1	
		wooden crates		2	
		steel rods		2	
		HAZARDOUS			
Quonset Building #1		1 full barrel labeled lubricating oil	Confirm method of disposal		0.5
		1 full barrel labeled RCAF Diesel, blue	Confirm method of disposal		0.5
		NON-HAZARDOUS			
		Wooden Quonset hut (PCB Paint)	Approx 20 m x 5 m warehouse	40	
		weathered canvas		5	
		snow fencing	14 rolls (unused)	5	
		heaters		3	
		misc. metal products		10	
		steel shelving/scaffolding		10	
		steel cable		2	
		fire extinguishers		0.5	
		scattered wood debris		10	
		steel pipe products		5	
		HAZARDOUS			
		filter canisters	potentially containing hydrocarbons		1
		Paint on Quonset Structural wood	PCBs (50.8 ppm), paint is weathered and substrate is plywood, door frames, two by fours and larger structural wood		1

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Site Name	Location	Waste Items	Comments	Non Hazardous Volume m ³	Hazardous Volume m ³
Mid station Barrel Dump #4		NON-HAZARDOUS			
		200 barrels		30	
		NON-HAZARDOUS			
		approx 3000 barrels		450	
		cat tracks		8	
Mid station Barrel Dump #5	Across from 3 Quonset structures	large plate steel box 2 m high		3	
		scattered metal debris		5	
		scattered wood debris		5	
		NON-HAZARDOUS			
		3 -wooden Quonset huts	wood floor	50	
		weathered canvas		5	
		cat tracks		10	
		cat blade		3	
		Hyster cat hoist		0.5	
		crated engine		0.5	
Quonset Buildings #2, #3, #4		rubber tires		3	
		misc. metal products		10	
		misc. wooden products		1	
		aluminum tubing (45 m)		1	
		aluminum pipe fittings		1	
		steel grader blades		3	
		bags of cement		2	
		rubber hose (30 m)		1	
		truck frame		2	
		steel valves and pipe fittings		3	
		metal strapping		3	
		misc. steel rods, and bits		6	
		dump truck box (steel)		3	
		clam shell bucket		2	
		shovel/excavator boom and bucket		3	
		misc. excavator/truck parts		5	
		50 barrels		7.5	
		weathered plywood		3	
		HAZARDOUS			
		misc. Cat filters (air, oil and fuel), various sizes	may contain residual amounts of oil		2

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Site Name	Location	Waste Items	Comments	Non Hazardous Volume m ³	Hazardous Volume m ³
Mid station Barrel Dump #6		NON-HAZARDOUS			
		175 barrels	Between BD#6 and BD#7	26.25	
		dozer blades		2	
		cat tracks		3	
		misc. metal products		2	
		scattered wood debris/crates		5	
Mid station Barrel Dump #7	Along access road	rubber hose		1	
		HAZARDOUS			
		approximately 5 partially full barrels	Confirm method of disposal, approximately 5 partially full barrels		1
		NON-HAZARDOUS			
Mid station Barrel Dump #8	75 m above Barrel Dump #2	300 barrels	barrels piled on both sides of road	45	
Access Road	Between Barrel Dump #7 and Water Lake access road	NON-HAZARDOUS			
		150 barrels		15	
		scattered wood debris		1	
		NON-HAZARDOUS			
		250 barrels		37.5	
		scattered wood debris		5	
		scattered metal debris		10	
		wooden sleds		5	
		steel dragline bucket		5	
		HAZARDOUS			
		approximately 10 partially full barrels	Confirm method of disposal		4
		large diameter metal culverts, galvanized steel			5
		blasting caps (randomly scattered)	Potential safety concern?		0.2

Total Barrel Count	6265
Helipad dump volume estimate	3300
Total Estimated NON HAZARDOUS Volume (m3)	4488
Total Estimated HAZARDOUS Volume (m3)	40.2

Table 5 Summary of Waste Materials
Upper Station Fox -C DEW Line Site

Location	Waste Items	Comments	Non Hazardous Volume m ³	Hazardous Volume m ³	Asbestos Pipe Insulation	Asbestos Insulation (m ³)	Asbestos Floor Tile (m ²)	PCB Paint (m ²)
Garage Area (Exterior)	NON-HAZARDOUS							
	D8 Cat		2					
	Tracked bombardier		10					
	Blade for Cat		3					
	Cab for cat dozer		1					
	vehicle jack		0.5					
	square steel tank on stand		2					
	steel rack		1					
	Misc. Cat Parts		3					
	wooden ladder		0.5					
	150 mm dia. rubber hose (30m)		0.5					
	Aluminum yard light		0.5					
	Aluminum hose fittings		0.25					
	scattered wood debris		0.25					
	10 scattered barrels		0.5					
	misc. vehicle parts and metal debris		2					
	HAZARDOUS							
	4 lead acid batteries		2	0.5				
Garage Area (Interior), Includes Building Materials	NON-HAZARDOUS							
	Foundation Concrete		24					
	Structural Steel		30					
	Glass Wool Insulation	Assumed insulation is flattened	5					
	Metal Decking		3					
	Interior cladding (interior cladding paint contains PCBs)		10					
	Interior Shelving		2					
	Tracked bombardier		5					
	Compressed gas cylinders	Potentially hazardous if not vented prior to disposal						
	HVAC Units and Ducting		4					
	Miscellaneous Shelving and Equipment		6					
	Generator Units (2) and day tanks	Fluids in generator (glycol, fuel, oil etc.) must be disposed of as required, day tank paint contains PCBs and is flaking	4					

Table 5 Summary of Waste Materials
Upper Station Fox -C DEW Line Site

Location	Waste Items	Comments	Non Hazardous Volume m ³	Hazardous Volume m ³	Asbestos Pipe Insulation	Asbestos Insulation (m ²)	Asbestos Floor Tile (m ²)	PCB Paint (m ²)
	HAZARDOUS							
	PCB paint	PCB paint inside garage is on interior metal cladding and, in some areas, plywood. Paint is flaked and flakes of paint are on the garage floor						466
	Asbestos Insulation					10		
	Generator Units Fuel/Oil			0.5				
	8 Lead Acid Starter Batteries			0.5				
	Potential Mercury Inside Gauges and thermometers							
	NON-HAZARDOUS							
	Wooden remains of shed		4					
	Misc. Cat parts		1					
	Metal strapping		0.5					
Paint Shed Area	Aluminum pipe fittings		0.5					
	Wooden spool		0.5					
	electrical wire (50 m)		0.5					
	Truck (USAF)		10					
	2 fuel tanks on skids		10					
	wooden skids		3					
	scattered wood debris		5					
	scattered metal debris		5					
	10 scattered barrels		2					
	truck box		3					
	compressed gas cylinders	Potentially hazardous if not vented prior to disposal						
	HAZARDOUS							
	22 Paint Cans of Paint	Confirm method disposal		4				
	2-1 gallon cans of paint thinner	Confirm method disposal		0.25				
	Fuel within fuel tanks on skid	each with approx capacity of 10,500 L, rusted shut, one gauge indicates 1825 gallons in one tank						
				7				

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Upper Station Fox -C DEW Line Site

Location	Waste Items	Comments	Non Hazardous Volume m ³	Hazardous Volume m ³	Asbestos Pipe Insulation	Asbestos Insulation (m ²)	Asbestos Floor Tile (m ²)	PCB Paint (m ²)
Warehouse Area (Exterior)	NON-HAZARDOUS							
	Hyster hoist for Cat		0.5					
	Cat tracks		2					
	tracks for bombardier		1					
	10 m of 150 mm link heavy chain		1					
	weather station remains		1					
	18 underground electrical cables		5					
	scattered wood debris		5					
	scattered metal debris		5					
	2- 1080 L AST's and piping		1					
Warehouse Area (Interior), Includes building materials	20 scattered barrels		3					
	Compressed gas cylinders	Potentially hazardous if not vented prior to disposal						
	HAZARDOUS							
	2- 1080 L AST's Fuel	bottom tank has 25 mm of fuel		0.2				
	NON-HAZARDOUS							
	Concrete footings	poured in place	25					
	Support beams (Steel)		5					
	Aluminum Cladding		4					
	Shelving Units in Storage Area		4					
	General Domestic Garbage		2					
Modular Train Exterior	Glass Wool Insulation		2					
	Furniture, beds and desks		2					
	HAZARDOUS							
	PCB Paint	interior walls on plywood, paint is flaking						215
	Asbestos Insulation	In W 4 on heating unit duct (exposed asbestos)				30		
	Asbestos Floor Tile	On floor in north room of warehouse					25	
	NON-HAZARDOUS							
	rubber hose		1					
	scattered metal debris		3					
	scattered wood debris		3					

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Upper Station Fox -C DEW Line Site

Location	Waste Items	Comments	Non Hazardous Volume m ³	Hazardous Volume m ³	Asbestos Pipe Insulation	Asbestos Insulation (m ²)	Asbestos Floor Tile (m ²)	PCB Paint (m ²)
Modular Train (Interior), Includes Building Materials	NON-HAZARDOUS							
	Glass Wool Insulation	Assumed insulation is flattened	8.6					
	Plywood (Interior Plywood coated with PCB Paint)		20					
	Wood Studs, widow/door top and bottom plates		30					
	Aluminum Cladding		10					
	Day Tanks							
	Wood Support Structure		83					
	Glass		1					
	HVAC Metal		4					
	Water Tanks	3 large rectangle steel water tanks	15					
	Generators (2)	Fluids in generator (glycol, fuel, oil etc.) must be disposed of as required	4					
	Electrical Equipment	Metal switchboards, compressors and shelving	5					
	Cabinets and Furniture		5					
	Red Compressed Gas Tanks (6)	Potentially hazardous if not vented prior to disposal	2					
	Day Tanks		1					
	HAZARDOUS							
	PCB Paint	PCB paint inside module train is on all interior plywood, concrete floors and steel water tanks. Paint condition varies from flaked to good condition.						940
	Asbestos Piping Insulation	Throughout piping in rooms of the module train			225			
	Asbestos Insulation (Non Piping)	On 2 water tanks in W 1				20		
	Asbestos Floor Tile						20	
	14 Lead Acid Starter Batteries		1					
	Thermometers and Valves	May contain mercury						
	Fuel Within Day Tanks		0.5					

Table 5 Summary of Waste Materials
Upper Station Fox -C DEW Line Site

Location	Waste Items	Comments	Non Hazardous Volume m ³	Hazardous Volume m ³	Asbestos Pipe Insulation	Asbestos Insulation (m ²)	Asbestos Floor Tile (m ²)	PCB Paint (m ²)
Dump/Outfall Area	NON-HAZARDOUS	Scattered debris over large area						
	40 scattered barrels		6					
	wooden crates and wood debris		2					
	wire cable		1					
	occasional piles of domestic waste/tin cans		5					
	burned wood		1					
	metal strapping		1					
	misc./scattered metal debris		1					
	rubber hose/steel pipe materials		0.5					
	HAZARDOUS							
Quonset Building	misc. Cat filters (air, oil and fuel), various sizes	May contain residual amounts of oil		1				
	approx. 2 barrels partially full	Confirm method of disposal		2				
	NON-HAZARDOUS							
	Wooden remains of Quonset		10					
	weathered canvas		3					
	heating oil tank (1400 L) empty		0.5					
	oil fired furnace		0.5					
	steel water tank (2270 L)		0.5					
	misc. house contents		5					
	75 barrels		11.25					
Antenna Base Area	NON-HAZARDOUS							
	135 m antenna structure	cut in sections	50					
	7 concrete supports		300					
	50 mm support cables (1,800 m)		10					
	Cab for tractor/truck with glass		1					
	misc. electrical equipment on antenna		10					
	scattered metal debris		10					
	scattered wood debris		15					
	remains of small 10 m antenna		1					
	support cables		2					

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Location	Waste Items	Comments	Non Hazardous Volume m ³	Hazardous Volume m ³	Asbestos Pipe Insulation	Asbestos Insulation (m ²)	Asbestos Floor Tile (m ²)	PCB Paint (m ²)
Inuit House Area	NON-HAZARDOUS							
	Cement Mixer		5					
	2- generators/pump		3					
	200 barrels		30					
	wooden house remains	building partially demolished	10					
	stove		1					
	misc. house contents		10					
	scattered wood debris around site		5					
	scattered metal debris around site		1					
Fuel Storage Area	HAZARDOUS							
	creosote treated timbers	Approx 50 m of 150 mm x 150 mm		2				
	Paint on Inuit house	PCBs (109 ppm), paint is on all wood associated with inuit house, paint is weathered						10
	NON-HAZARDOUS							
	2- 75,700 L ASTs and fittings	water level-bottom of man way, both tanks	10					
	Concrete tank pads		8					
	AG/UG piping to warehouse/mod. train	approx. 200 m of 75 mm dia. steel piping	4					
	remains of metal pump house	roof and three walls missing	1					
	piping		0.5					
	pump		0.5					
Fuel Storage Area	water tank (17,100 L)		3					
	25 scattered barrels		3.75					
	scattered wood debris		1					
	rubber bladder/rubber hose (150 mm dia.)	50 m of hose - 75 mm dia.	1					
	HAZARDOUS							
	Paint on Sides of ASTs and Pump house	Paint is on the metal tanks and is weathered						300

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Upper Station Fox -C DEW Line Site

Location	Waste Items	Comments	Non Hazardous Volume m ³	Hazardous Volume m ³	Asbestos Pipe Insulation	Asbestos Insulation (m ²)	Asbestos Floor Tile (m ²)	PCB Paint (m ²)
Dump Area Below Garage	NON-HAZARDOUS							
	scattered wood debris		2					
	scattered metal debris		2					
	weathered canvas		1					
	barrels on pallets buried in fill		4					
	steel cable (various sizes)		2					
	40 scattered barrels		6					
	HAZARDOUS							
	200 leaking 10 gallon barrels	Confirm method of disposal of tar material		5				
PCB Paint Area				1931				
Total barrels				137				
Total Estimated NON HAZARDOUS Volume (m³)				994.1				
Total Estimated HAZARDOUS Volume including Asbestos				54.45				

**Table 3 Summary of Waste Materials
River Area between Water Lake and Beach
FOX-C DEW Line Site**

Site Name	Location	Waste Items	Comments	Non Hazardous Volume m ³
River Area	River bed, and banks	NON-HAZARDOUS		
		Approximately 200 barrels visible	Empty barrels, rusted, no labels	30
Dump	Approx. 400 m downstream of Water Lake	NON-HAZARDOUS		
		75 barrels visible Domestic waste (tin cans, glass, wood, paper)	Potential Fisheries issue to remove waste material along river bank	11 400
Barrel Dump	On river back, approx. 400 m north of Water Lake	NON-HAZARDOUS		
		Approximately 175 empty barrels scattered over east slope	Empty barrels, rusted, no labels	26
Total Barrel Count				450
Total Estimated Volume Non Hazardous				467

APPENDIX G

REFERENCE REPORTS

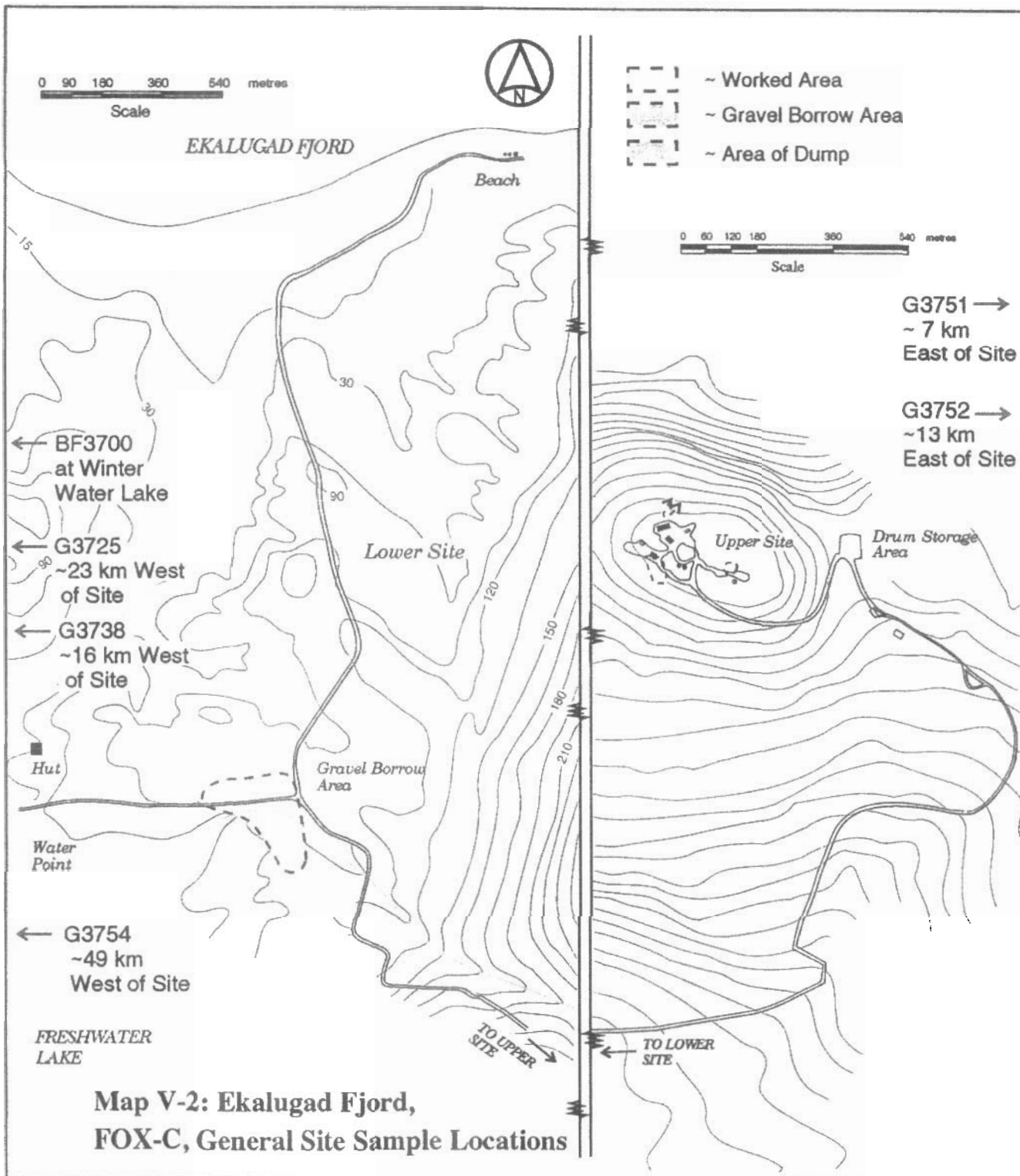
Environmental Study of Abandoned DEW Line Sites:

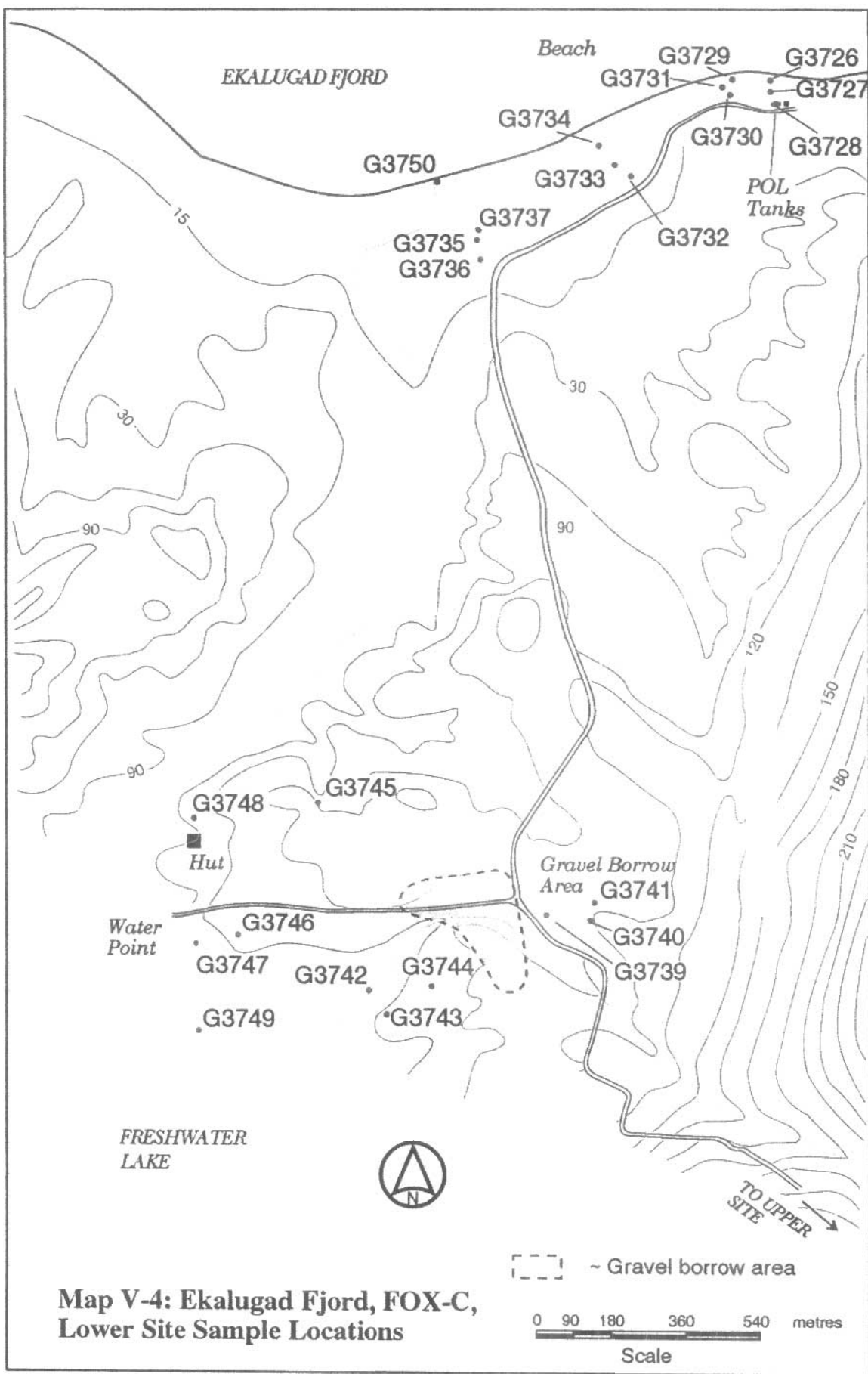
II. Six Intermediate Sites in the Eastern Arctic

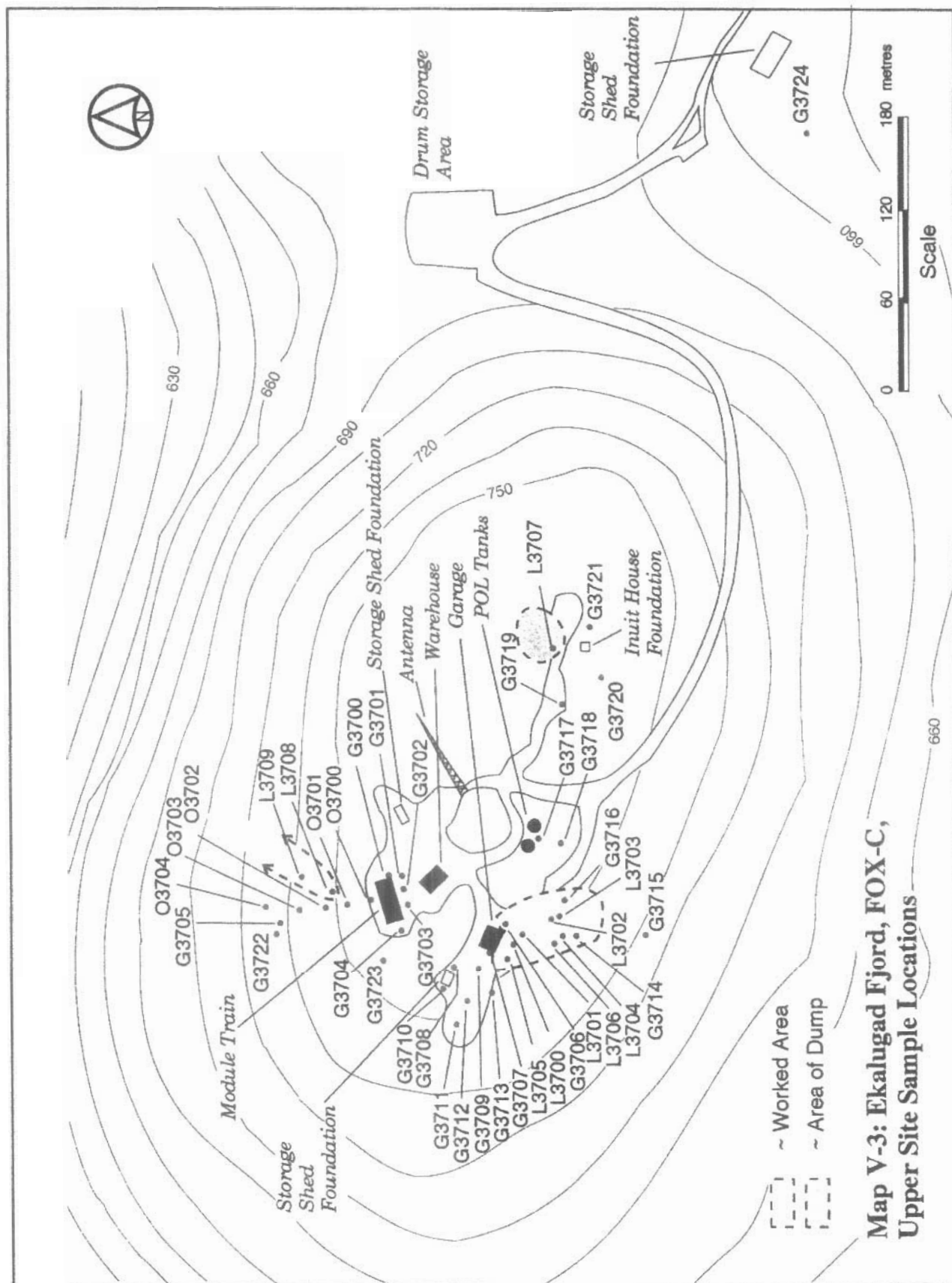
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VII. SAMPLING LOCATIONS, WILDLIFE OBSERVATIONS, PLANT LIST AND ANALYTICAL RESULTS FOR EKALUGAD FJORD, FOX-C

A. Sampling Locations and Descriptions for FOX-C

1. Freshwater Lake and Remote Background

One freshwater lake sample was collected. Site background samples were not possible at this location due to the restrictive topography and the accumulated snow. Nine remote background samples, however, were collected from five different locations, ranging from 7.2 to 51 kilometres from FOX-C.

- BF3700 - The east end of the winter water lake. Fish were observed in the lake, and feathers were noted around the sampling location. No marker was placed.
- Sand, stones and roots; moss on the surface.
 - No vegetation was sampled.
 - Vegetation present: *Carex* sp., species of moss.
 - 68° 42.82' N, 68° 47.31' W.
- G3725 - Sediment sample. 24 km west of FOX-C, in a river tributary, in a large river valley. No marker was placed.
- Sand, silt and stones.
 - No vegetation was sampled.
 - 68° 43.51' N, 69° 09.82' W.
- G3738A - 16 km west of FOX-C, at the edge of a river bed. No marker was placed.
- Sand with a few rocks.
 - *Cassiope tetragona* was sampled.
 - Other vegetation present: *Polygonum* sp., *Salix* sp., *Carex* sp., species of grass, moss and lichen.
 - 68° 42.78' N, 68° 00.32' W.

- G3738B - Field duplicate of G3738A.
- G3751A - 7.2 km east of FOX-C, ~ 1/3 of the way to Florence Point, in lowlands below rocky slopes. Approximately 150 m from a radio antenna which was down on the beach. No marker was placed.
- Sand, clay and stones.
 - *Salix arctica* was sampled.
 - Other vegetation present: *Vaccinium* sp., *Cassiope* sp., *Pedicularis* sp., *Salix herbacea*, *Carex* sp., species of lichen.
 - 68° 43.81' N, 68° 23.16' W.
- G3751B - Field duplicate of G3751A.
- G3752A - 13 km east of FOX-C, on a plateau above beach and below some hills, ~ 1 m from a creek. Valley area which receives drainage from the surrounding hills; overlooks Ekalugad Fjord. No marker was placed.
- Fine sand, silt, clay and stones.
 - *Salix arctica* was sampled.
 - Other vegetation present: *Carex* sp., *Pedicularis* sp., *Cassiope* sp., *Salix herbacea*.
 - 68° 42.53' N, 68° 13.27' W.
- G3752B - Field duplicate of G3752A.
- G3754A - 51 km west of FOX-C and 57.4 km east of FOX-3. At the top of a gradual slope leading down to a river valley. A large lake was present to the west and northwest. A caribou was observed nearby. No marker was placed.
- Sand over clay; black lichen on the surface.
 - No vegetation was sampled.

- Vegetation present: *Carex* sp., *Ranunculus* sp., *Cassiope* sp., *Oxyria* sp., *Saxifraga nivalis*, *Poa* sp., reindeer lichen, species of moss.
- 68° 40.82' N, 69° 48.57' W.

G3754B - Field duplicate of G3754A.

2. Area A: Station Proximity

The operations station is located approximately 3 km from the beaching area and is at an elevation of 770 m asl. The vegetation at this upper site is restricted mainly to patches of moss and lichen, therefore, plant material for analytical purposes was limited.

- G3700 - ~ 8 m from the east end of the module train (boiler room). RRMC tag # 1.
- Coarse sand and stones.
 - No vegetation was present in the sampling area.
 - 68° 43.888' N, 68° 35.320' W.
- G3701 - South side of the module train, at the back end of the staircase. Some debris present which included metal bed frames, cans, other metal and wood debris. RRMC tag # 2.
- Coarse sand with a few stones.
 - No vegetation was sampled.
 - Vegetation present: small patch of moss ~ 0.5 m from sampling location.
 - 68° 43.832' N, 68° 35.323' W.
- G3702 - ~ 0.5 m from the front end of the stairs on the south side of the module train. Some glass, metal and wood debris around the sampling area. RRMC tag # 3.
- Coarse sand and stones.
 - No vegetation was sampled.

- Vegetation present: Small patches of moss.
 - No GPS coordinates were taken.
- G3703
- 1 m from the door at the west end of the module train, on the south side of the building. Some glass and small pieces of metal littered the area. RRMC tag # 4.
 - Coarse sand and crushed pebbles.
 - No vegetation was present in the sampling area.
 - No GPS coordinates were taken.
- G3704
- 1 m from the back end of the staircase at the west end of the module train (generator end). RRMC tag # 5.
 - Coarse sand and stones, very wet.
 - No vegetation was present in the sampling area.
 - No GPS coordinates were taken.
- G3705
- Large, black stained area (10 m x 3 m). Sample collected beside old rusted barrel, ~ 80 m north of the module train, down the cliff. Barrel had been punctured several times. Debris in the area included old grommets, nails, piping and other assorted metal pieces. RRMC tag # 10..
 - Coarse sand, stones and pebbles; hydrocarbon odour present.
 - *Rhacomtrium lanuginosum* was sampled.
 - No other vegetation was present in the sampling area.
 - No GPS coordinates were taken.
- G3706A
- Stain (4 m x 4 m). 1.5 m east of the garage, 2 m from the door. Debris in the area included chains, jack, barrel, broom, door, metal rings and a variety of wood and metal pieces. RRMC tag # 21.
 - Sand and stones; there was a hydrocarbon odour to the substrate.
 - No vegetation was present in the sampling area.
 - 68° 43.589' N, 68° 34.841' W.

- G3706B - Field duplicate of G3706A.
- G3707 - Stain (2 m x 2.5 m). 2 m west of the garage, near an old transformer mount. 4 batteries, 1 bulldozer and 2 barrels were noted near the garage. RRMC tag # 22.
- Sand and stones; hydrocarbon odour present.
 - No vegetation was present in the sampling area.
 - 68° 43.885' N, 68° 35.411' W.
- G3708 - Stain (3 m x 1 m). Tar stain at the edge of the remnants of an old shed. The shed still contained numerous paint cans and a variety of metal debris. The shed was located ~ 25 m northwest of the garage. RRMC tag # 23.
- Sand and stones.
 - No vegetation was present in the sampling area.
 - 68° 43.855' N, 68° 35.310' W.
- G3709 - Drainage from the paint shed, ~ 10 m south of G3708, adjacent to a large paint spill. RRMC tag # 24.
- Sand and stones, wet.
 - No vegetation was present in the sampling area.
 - 68° 43.860' N, 68° 35.370' W.
- G3710 - Drainage catchment, ~ 4 m west of the paint shed. Sampled adjacent to a large puddled area. Slight sheen on the surface of the puddle. Scattered wood debris and nails were observed around the sampling location. RRMC tag # 25.
- Sand.
 - No vegetation was present in the sampling area.
 - 68° 43.874' N, 68° 35.418' W.