FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



APPENDIX B - SUMMARY OF SELECT UNIT COSTS

The following general notes apply to the unit costs presented below.

- RS Means data applied to:
 - Specific crew (labour and equipment) required to execute reclamation actions required to execute a complete reclamation security.
 - o Crew output.
 - Ottawa cost index factor to transform unit costs from US average to Ottawa average.
 - US average costs include worker's compensation, fixed overhead, percent overhead and percent profit.
- Nunavut index factor applied to transform unit costs from Ottawa average to Nunavut average.
- The labour, equipment, output, and unit costs were applied to develop the effective unit cost for reclamation activity.

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B1: Unit Cost for Fill Application

Fill Application

- Drilling and blasting rock, open face, over 1000 m3
- Process aggregate (crush quarried rock) and load; USING BIMC CRUSHING COST; assumes crushing plant is at quarry.
- Excavate and load with 2.86 m3 hydraulic excavator (similar to CAT 385C)
- Haul with 26 m3 haul truck (similar to CAT 740) cycle distance of 3.2 km @ 24km/h; 15 min. load/wait/unload
- Spread dumped material by dozer
- Compaction 300mm lifts plus 4 passes; riding vibrating roller

Drilling and Blasting Rock 312316300100	Crew	B47	1 Blast Foreman (outside) 1 Driller 1 Equipment Operator (light) 1 Air Track Drill, 4" 1 Air Compressor, 600 cfm 2-50' Air Hoses, 3" Daily Output (Volume) = Daily Cost (8 hour day) = Cost per m³ =	1440 \$7,151.81 \$4.97	Bm3	U.S. Ave Hourly \$59.65 \$56.55 \$71.35 \$143.00 \$75.98 \$4.10	Parage Daily \$1,144.00 \$607.86 \$32.78	Ottawa Cost Index 1.05 1.05 1.05 1.038 1.038 1.038	Ottawa Costs Hourly \$62.63 \$59.38 \$74.92 \$148.43 \$78.87 \$4.25	Nunavut Index 1.6 1.6 2.5 2.5 2.5	Nunavut Costs Hourly \$100.21 \$95.00 \$119.87 \$371.09 \$197.17 \$10.63 \$893.98	_
Exacavation of Fill Material 312316420305	Crew	B12D	1 Equipment Operator (crane) 1 Labourer 1 Hydraulic Excavator, 3.5 C.Y. Daily Output (Volume) = Daily Cost (8 hour day) =	1835 \$8,754.85	Bm3	\$76.20 \$56.55 \$335.78	\$2,686.20	1.05 1.05 1.038	\$80.01 \$59.38 \$348.53	1.6 1.6 2.5	\$128.02 \$95.00 \$871.34 \$1,094.36	_

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Fill Application

- Drilling and blasting rock, open face, over 1000 m3
- Process aggregate (crush quarried rock) and load; USING BIMC CRUSHING COST; assumes crushing plant is at quarry.
- Excavate and load with 2.86 m3 hydraulic excavator (similar to CAT 385C)
- Haul with 26 m3 haul truck (similar to CAT 740) cycle distance of 3.2 km @ 24km/h; 15 min. load/wait/unload
- Spread dumped material by dozer
- Compaction 300mm lifts plus 4 passes; riding vibrating roller

			Cost per m3 =	\$4.77	/m³	U.S. Ave	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
Haul Fill Material 312323206180	Crew Crew	B34G B34G	1 Truck Driver (heavy) 1 Dump Truck, Off Hwy., 50 Ton Daily Output (Volume) = Daily Cost (8 hour day) = Cost per m ³ =	546 \$5,869.29 \$10.75	Bm3 /m³	\$57.30 \$245.63	\$1,965.00	1.05 1.038	\$60.17 \$254.96	1.6 2.5	\$96.26 \$637.40 \$733.66 /	/hr
Spread Fill Material 312323145000	Crew	B10M B10M	1 Equipment Operator (medium) 0.5 Labourer 1 Dozer, 300 H.P. Daily Output (Volume) = Daily Cost (8 hour day) = Cost per m3 =	2424 \$6,563.22 \$2.71	Lm3 /m³	\$74.15 \$28.28 \$249.84	\$1,998.70	1.05 1.05 1.038	\$77.86 \$29.69 \$259.33	1.6 1.6 2.5	\$124.57 \$47.50 \$648.33 \$820.40	/hr
Compaction 312323235100	Crew	B10Y	1 Equipment Operator (medium) 0.5 Labourer			\$74.15 \$28.28		1.05 1.05	\$77.86 \$29.69	1.6 1.6	\$124.57 \$47.50	

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Fill Application

- Drilling and blasting rock, open face, over 1000 m3
- Process aggregate (crush quarried rock) and load; USING BIMC CRUSHING COST; assumes crushing plant is at quarry.
- Excavate and load with 2.86 m3 hydraulic excavator (similar to CAT 385C)
- Haul with 26 m3 haul truck (similar to CAT 740) cycle distance of 3.2 km @ 24km/h; 15 min. load/wait/unload
- Spread dumped material by dozer
- Compaction 300mm lifts plus 4 passes; riding vibrating roller

1 Vibrating Roller, Towed, 12 Ton Crew B10Y Daily Output (Volume) = 1988 Em3 Daily Cost (8 hour day) = \$2,972.83 Cost per m³ = \$1.50 /m³	U.S. Average \$76.89 \$615.12	Cost Index C		lunavut Index 2.5	Nunavut Costs \$199.53 \$371.60	- - /hr
TOTAL Cost per m3 = \$24.69 /m³ Using BIMC Crushing Cost = \$4.18 /m³ Assuming an average depth of 1.5m						
TOTAL Cost per m2 = \$43.31 /m ²		Unit Cost Fill Appl	lication (AR	RKTIS) =	\$43.31	/m²

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B2: Unit Cost for Grade and Re-contour

Grade and Re-Contour

- Rip medium hard till; 224 kW dozer, ideal conditions
- 306kW dozer (similar to D8T), 30m haul

						U.S. Ave	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily	COSt III CX	Hourly	macx	Hourly	-
Rip Areas	Crew	B11S	1 Equipment Operator (medium)			, \$74.15	,	1.05	\$77.86	1.6	\$124.57	
312316322830			0.5 Labourer			\$28.28		1.05	\$29.69	1.6	\$47.50	
			1 Dozer, 300 H.P.			\$249.84	\$1,998.70	1.038	\$259.33	2.5	\$648.33	
			1 Ripper, Beam & 1 Shank			\$11.19	\$89.54	1.038	\$11.62	2.5	\$29.04	_
											\$849.45	/hr
	Crew	B11S	Daily Output (Volume) =	4588.00	Bm3							
			Daily Cost (8 hour day) =	\$6,795.57								
			Cost per m ³ =	\$1.48	$/m^3$							
Dozing Ripped Material	Crew	B10X	1 Equipment Operator (medium)			\$74.15		1.05	\$77.86	1.6	\$124.57	
312316323400			0.5 Labourer			\$28.28		1.05	\$29.69	1.6	\$47.50	
			1 Dozer, 410 H.P.			\$81.37	\$650.98	1.038	\$84.46	2.5	\$211.16	
											\$383.24	/hr
	Crew	B10X	Daily Output (Volume) =	1285.000	Bm3							
			Daily Cost (8 hour day) =	\$3,065.89								
			Cost per m ³ =	\$2.39	/m³							
			TOTAL Cost per m3 =	\$3.87	/m³							
			Assuming an average depth of 0.5m									
			TOTAL Cost per m2 =	\$1.93	/m²							
							Unit C	ost Grade and	Re-contour	(ARKTIS) =	\$1.93	/m²

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B3: Unit Cost for Grade and Re-contour Significantly Disturbed Areas

Grade and Re-Contour Significantly Disturbed Areas

- Rip medium hard till; 224 kW dozer, ideal conditions
- 306kW dozer (similar to D8T), 30m haul
- Assumed 50% more man-hours and equipment than regular grade and contour.

						U.S. Ave	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	
Rip Areas	Crew	B11S	1 Equipment Operator (medium)			\$74.15		1.05	\$77.86	1.6	\$124.57	
312316322830			0.5 Labourer			\$28.28		1.05	\$29.69	1.6	\$47.50	
			1 Dozer, 300 H.P.			\$249.84	\$1,998.70	1.038	\$259.33	2.5	\$648.33	
			1 Ripper, Beam & 1 Shank			\$11.19	\$89.54	1.038	\$11.62	2.5	\$29.04	
											\$849.45	/hr
	Crew	B11S	Daily Output (Volume) =	3058.67	Bm3							
			Daily Cost (8 hour day) =	\$6,795.57								
			Cost per m ³ =	\$2.22	$/m^3$							
Dozing Ripped Material	Crew	B10X	1 Equipment Operator (medium)			\$74.15		1.05	\$77.86	1.6	\$124.57	
312316323400			0.5 Labourer			\$28.28		1.05	\$29.69	1.6	\$47.50	
			1 Dozer, 410 H.P.			\$81.37	\$650.98	1.038	\$84.46	2.5	\$211.16	
											\$383.24	/hr
	Crew	B10X	Daily Output (Volume) =	856.667	Bm3							
			Daily Cost (8 hour day) =	\$3,065.89								
			Cost per m ³ =	\$3.58	/m³							
			TOTAL Cost per m3 =	\$5.80	/m³							
			TOTAL Cost per m2 =	\$2.90	/m²							
					Unit Co	st Grade and Re	e-contour Sign	nificantly Dist	urbed Areas	(ARKTIS) =	\$2.90	/m²

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B4: Unit Cost for Culvert Removal

Culvert Removal

- 1.2m to 2m depth; 1.15m3 excavator
- Calculation of each based on 0.61m x 1.2m x 20m long excavation

						U.S. Av	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	_
Excavate Culvert	Crew	B12B	1 Equip. Operator			\$76.20		1.05	\$80.01	1.6	\$128.02	
			1 Labourer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Hyd. Excavator, 1.5 C.Y.			\$141.76	\$1,134.10	1.038	\$147.15	2.5	\$367.87	_
											\$590.89	/h
			Daily Output (area) =	413	m^3							
			Daily Cost (8 hour day) =	\$4,727.15								
			Cost per m ³ =	\$11.45	/m³							
			Cost per culvert =	\$549.40	/culvert							
Travel to/from Location	Crew	B12B	1 Equip. Operator			\$76.20		1.05	\$80.01	1.6	\$128.02	
(25 km average)			1 Labourer			\$56.55		1.05	\$59.38	1.6	\$95.00	
(30 km/h)			1 Hyd. Excavator, 1.5 C.Y.			\$141.76	\$1,134.10	1.038	\$147.15	2.5	\$367.87	_
											\$590.89	/h
			Travel Time (return) =	1.67	hr.							
			Daily Cost (8 hour day) =	\$984.82								
			Culverts/day =	9	culverts							
			Cost per culvert =	\$109.42	/culvert							
Long Haul Culvert	Crew	B34D	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 6x4, 380 H.P.			\$84.26	\$674.08	1.038	\$87.46	2.5	\$218.65	
			1 Dump Trailer, 20 C.Y.			\$17.35	\$138.82	1.038	\$18.01	2.5	\$45.03	_
											\$359.95	/h

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Culvert Removal

- 1.2m to 2m depth; 1.15m3 excavator

- Calculation of each based on 0.61m x 1.2m x 20	m long excavation									
						Ottawa Cost	Ottawa	Nunavut		
				U.S. Av	erage	Index	Costs	Index	Nunavut Costs	=
				Hourly	Daily		Hourly		Hourly	
	Culvert/day =	9	culverts							
	Daily Cost (8 hour day) =	\$2,879.59								
	Cost per culvert =	\$319.95	/culvert							
	TOTAL Cost per Culvert =	\$978.78	/culvert							
						Unit Cost Culver	t Removal	(ARKTIS) =	\$978.78	/culver

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B5: Unit Cost for Liner Removal

Liner Removal

- Cost data is for installation of 2.0mm HDPE liner
- For removal it is assumed that removal takes a 1/3 the amount of time as installation

Liner Removal	Crew	B47H	1 Skilled Worker Foreman			U.S. Ave Hourly \$76.35	rage Daily	Ottawa Cost Index	Ottawa Costs Hourly \$80.17	Nunavut Index	Nunavut Costs Hourly \$128.27	_
25613100730			3 Skilled Workers (\$73.25/hr.) 1 Flat bed Truck, Gas, 3 Ton			\$219.75 \$45.79	\$366.30	1.05 1.04	\$230.74 \$47.53	1.60 2.50	\$369.18 \$118.82	
			Daily Output (area) = Daily Cost (8 hour day) = Cost per m ² =	1550 \$4,930.13 \$3.18							\$616.27	/hr
Short Haul Liner	Crew	B34D	1 Truck Driver (heavy) 1 Truck Tractor, 6x4, 380 H.P. 1 Dump Trailer, 20 C.Y.			\$57.30 \$84.26 \$17.35	\$674.08 \$138.82	1.05 1.04 1.04	\$60.17 \$87.46 \$18.01	1.60 2.50 2.50	\$96.26 \$218.65 \$45.03 \$359.95	- /hr
			Daily Output (area) = Daily Cost (0.5 hour) = Cost per m ² =	1550 \$359.95 \$0.23	m2							
			TOTAL Cost per m2 =	\$3.41	/m²			Unit Cost Line	r Removal	(ARKTIS) =	\$3.41	/m²

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B6: Unit Cost for Light Equipment Disposal

Light Equipment Disposal

						U.S. Ave	rage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	_
Disassemble and Decontaminate	Crew	N/A	0.5 Labor Foreman			\$29.83		1.05	\$31.32	1.6	\$50.11	
Decontaminate	Clew	IN/A	1 Skilled Worker			\$29.83 \$73.25		1.05	\$76.91	1.6	\$123.06	
			1 Skilled Worker			\$75.25		1.03	\$70.51	1.0		- /b=
	Crew	N/A	Daily Output (Volume) =	1.14	each						\$173.17	/111
	Crew	N/A			eacii							
			Daily Cost (8 hour day) =	\$1,385.33	00 ob							
			Cost each =	\$1,212.16	each							
Load	Crew	N/A	1 Labor Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21	
			1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator (light)			\$71.35		1.05	\$74.92	1.6	\$119.87	
			1 Light Equipment			\$50.22	\$401.72	1.038	\$52.12	2.5	\$130.31	
											\$445.39	/hr
	Crew	N/A	Daily Output (Volume) =	8	each							
			Daily Cost (8 hour day) =	\$3,563.14								
			Cost each =	\$445.39	each							
Have	0	N1/A	4 Tarrels Deissen (Is a sun)			ć=7.20		4.05	¢60.47	1.5	¢06.26	
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30	ć 402 O 4	1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	- ,,
	_										\$281.24	/hr
Haul (cont'd)	Crew	N/A	Daily Output (Volume) =	17.7777778	each							

\$2,249.88

Daily Cost (8 hour day) =



Light Equipment Disposal										
						Ottowa Cost	Ottown	Numarus		
				11.6.4.		Ottawa Cost	Ottawa	Nunavut		
				U.S. Av	erage	Index	Costs	Index	Nunavut Costs	-
				Hourly	Daily		Hourly		Hourly	
	Cost each =	\$126.56								
	TOTAL Cost per m3 =	\$1,784.11	each							
					Unit Cos	t Light Equipme	nt Disposal	(ARKTIS) =	\$1,784.11	each



Table B7: Unit Cost of Medium Equipment Disposal

Medium Equipment Disp	oosal											
								Ottawa	Ottawa	Nunavut		
						U.S. Ave	rage	Cost Index	Costs	Index	Nunavut Costs	_
						Hourly	Daily		Hourly		Hourly	
Disassemble and	C	21/2	0.5.1.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.			¢20.02		4.05	624.22	4.6	Ć50.44	
Decontaminate	Crew	N/A	0.5 Labor Foreman			\$29.83		1.05	\$31.32	1.6	\$50.11	
			1 Skilled Worker			\$73.25		1.05	\$76.91	1.6	\$123.06	-
											\$173.17	/hr
	Crew	N/A	Daily Output (Volume) =	0.44	each							
			Daily Cost (8 hour day) =	\$1,385.33								
			Cost each =	\$3,116.99	each							
Load	Crew	N/A	1 Labor Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21	
			1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator (light)			\$74.15		1.05	\$77.86	1.6	\$124.57	
			1 Medium Equipment			\$51.34	\$410.74	1.038	\$53.29	2.5	\$133.23	
											\$453.02	/hr
	Crew	N/A	Daily Output (Volume) =	4	each							
			Daily Cost (8 hour day) =	\$3,624.17								
			Cost each =	\$906.04	each							
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	_
											\$281.24	/hr
	Crew	N/A	Daily Output (Volume) =	8.888888889	each							
			Daily Cost (8 hour day) =	\$2,249.88								
			Cost each =	\$253.11								



Medium Equipment Disposal		

ד	OTAL Cost per m3 = \$4,2	4,276.14 each			
			Unit Cost Medium Equipment Disposal (ARKTIS) =	\$4,276.14	each



Table B8: Unit Cost for Heavy Equipment Disposal

						U.S. Ave	rage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	-
Disassemble and						,	•		•		·	
Decontaminate	Crew	N/A	0.5 Labor Foreman			\$29.83		1.05	\$31.32	1.6	\$50.11	
			1 Skilled Worker			\$73.25		1.05	\$76.91	1.6	\$123.06	_
											\$173.17	/
	Crew	N/A	Daily Output (Volume) =	0.05	each							
			Daily Cost (8 hour day) =	\$1,385.33								
			Cost each =	\$29,091.89	each							
Load	Crew	N/A	1 Labor Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21	
			1 Equipment Operator			\$76.20		1.05	\$80.01	1.6	\$128.02	
			1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Crane			\$120.18	\$961.40	1.038	\$124.74	2.5	\$311.85	
											\$635.09	_ /h
	Crew	N/A	Daily Output (Volume) =	0.5	each							
			Daily Cost (8 hour day) =	\$5,080.69								
			Cost each =	\$10,161.38	each							
				, ,								
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	
			,			, -	,		,		\$335.47	_
	Crew	N/A	Daily Output (Volume) =	1	each			I	I	I	1 +3	, .

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Heavy Equipment Disposal

Cost per m3 =

\$2,683.77

Unit Cost Heavy Equipment Disposal (ARKTIS) =

\$41,937.03 each

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B9: Unit Cost for Light Mobile Equipment Disposal

Light Mobile Equipment Disp	osal									,		
								Ottawa Cost	Ottawa	Nunavut		
						U.S. Ave	_	Index	Costs	Index	Nunavut Costs	=
						Hourly	Daily		Hourly		Hourly	
Disassemble and		21/2	4.61:11.11.44			672.25		4.05	676.04	4.6	4422.06	
Decontaminate	Crew	N/A	1 Skilled Worker			\$73.25		1.05	\$76.91	1.6	\$123.06	_
											\$123.06	/hr
	Crew	N/A	Daily Output (Volume) =	1.6	each							
			Daily Cost (8 hour day) =	\$984.48								
			Cost each =	\$615.30	each							
Load	Crew	N/A	1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator Medium			\$74.15		1.05	\$77.86	1.6	\$124.57	
			1 F.E. Loader, W.M., 2.5 CY			\$71.89	\$575.08	1.038	\$74.62	2.5	\$186.54	
											\$406.12	/hr
	Crew	N/A	Daily Output (Volume) =	24	each							
		-	Daily Cost (8 hour day) =	\$3,248.94								
			Cost each =	\$135.37	each							
			0000 0000	4 -55.51	50.5.1							
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
		,	1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	
			Triatbed framer, 40 for			\$20.90	\$107.20	1.038	\$21.09	2.5		- /b#
	Canada	N1 / A	Doile Outrout (Values)	42				ļ		1	\$281.24	/111
	Crew	N/A	Daily Output (Volume) =	12	each							
			Daily Cost (8 hour day) =	\$2,249.88								
			Cost per m3 =	\$187.49								

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B10: Unit Cost for Medium Mobile Equipment Disposal

Medium Mobile Equipmen	t Disposal											
						U.S. Ave	rage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	_
						Hourly	Daily		Hourly		Hourly	
Disassemble and	Crew	N/A	1 Skilled Worker			\$73.25		1.05	\$76.91	1.6	\$123.06	_
Decontaminate											\$123.06	/h
	Crew	N/A	Daily Output (Volume) =	1.14	each							
			Daily Cost (8 hour day) =	\$984.48								
			Cost each =	\$861.42	each							
Load	Crew	N/A	1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator Medium			\$74.15		1.05	\$77.86	1.6	\$124.57	
			1 F.E. Loader, W.M., 2.5 CY			\$71.89	\$575.08	1.038	\$74.62	2.5	\$186.54	
											\$406.12	/h
	Crew	N/A	Daily Output (Volume) =	24	each							
			Daily Cost (8 hour day) =	\$3,248.94								
			Cost each =	\$135.37	each							
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	_
											\$281.24	/h
	Crew	N/A	Daily Output (Volume) =	4	each							
			Daily Cost (8 hour day) =	\$2,249.88								
			Cost per m3 =	\$562.47								
			TOTAL Cost per m3 =	\$1,559.26	each							



Table B11: Unit Cost for Heavy Mobile Equipment Disposal

Disassemble and						U.S. Ave	rage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
Disassemble and						Hourly	Daily		Hourly		Hourly	_
Decontaminate	Crew	N/A	2 Skilled Worker			\$146.50		1.05	\$153.83	1.6	\$246.12 \$246.12	
	Crew	N/A	Daily Output (Volume) =	1.60	each						Ψ2 1011 2	,
			Daily Cost (8 hour day) =	\$1,968.96								
			Cost each =	\$1,230.60	each							
∟oad	Crew	N/A	1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator Medium			\$74.15		1.05	\$77.86	1.6	\$124.57	
			1 F.E. Loader, W.M., 2.5 CY			\$71.89	\$575.08	1.038	\$74.62	2.5	\$186.54	
											\$406.12	/hr
	Crew	N/A	Daily Output (Volume) =	12	each							
			Daily Cost (8 hour day) =	\$3,248.94								
			Cost each =	\$270.75	each							
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	_
											\$281.24	/hr
	Crew	N/A	Daily Output (Volume) =	3	each							
			Daily Cost (8 hour day) =	\$2,249.88								
			Cost per m3 =	\$749.96								

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B12: Unit Cost for Removal of Non-Fuel Small Storage Tanks

Cost per Tank =

Removal of Non-Fuel Small Storage Tank

- Steel tank, single wall, above ground, no fdn. Pumps, piping

						U.S. Ave	rage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	
Demolish Small Storage Tank	Crew	B34P	1 Pipe Fitter			\$88.35		1.05	\$92.77	1.6	\$148.43	
130505750520			1 Truck Driver (light)			\$55.70		1.05	\$58.49	1.6	\$93.58	
			1 Equipment Operator (crane)			\$74.15		1.05	\$77.86	1.6	\$124.57	
			1 Flatbed Trailer, 3 Ton			\$45.79	\$366.30	1.038	\$47.53	2.5	\$118.82	
			1 Backhoe Loader, 48 H.P.			\$50.22	\$401.72	1.038	\$52.12	2.5	\$130.31	
											\$615.70 /h	nr
	Crew	B34P	Daily Output =	2	ea.							
			Daily Cost =	\$4,925.62								

\$2,462.81 /tank

Unit Cost Small Non-Fuel Tank (ARKTIS) =

\$2,462.81 /tank

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B13: Unit Cost for the Removal of Non-Fuel Medium Storage Tank

Removal of Non-Fuel Medium Storage Tank

- Steel tank, single wall, above ground, no fdn. Pumps, piping

						U.S. Ave	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	
Demolish Medium Storage												
Tank	Crew	B34Q	1 Pipe Fitter			\$88.35		1.05	\$92.77	1.6	\$148.43	
130505750530			1 Truck Driver (light)			\$55.70		1.05	\$58.49	1.6	\$93.58	
			1 Equipment Operator (crane)			\$76.20		1.05	\$80.01	1.6	\$128.02	
			1 Flatbed Trailer, 25 Ton			\$15.62	\$124.96	1.038	\$16.21	2.5	\$40.53	
			1 Dump Truck, 8 C.Y., 220 H.P.			\$57.37	\$458.92	1.038	\$59.54	2.5	\$148.86	
			1 Hydraulic Crane, 25 Ton			\$102.55	\$820.38	1.038	\$106.44	2.5	\$266.11	
											\$825.53	/hr
	Crew	B34Q	Daily Output =	1	ea.							
			Daily Cost =	\$6,604.21								
			Cost per Tank =	\$6,604.21	/tank							

Unit Cost Small Non-Fuel Tank (ARKTIS) =

\$6,604.21 /tank



Table B14: Unit Cost for Removal Small Diesel Tanks

Small Diesel Tanks (10,000 to	20,000 L)											
						U.S. Ave	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	_
						Hourly	Daily		Hourly		Hourly	
Decontaminate, Load and						4			4		4	
Dispose	Crew	B14	1 Laborer Foreman			\$59.65		1.05	\$62.63	1.6	\$100.21	
130505750530			4 Laborers			\$226.20		1.05	\$237.51	1.6	\$380.02	
			1 Equipment Operator (light)			\$71.35		1.05	\$74.92	1.6	\$119.87	
			1 Backhoe Loader, 36 kW			\$50.22	\$401.72	1.038	\$52.12	2.5	\$130.31	_
											\$730.40	/hr
	Crew	B14	Daily Output =	4	ea.							
			Daily Cost =	\$5,843.23								
			Cost per Tank =	\$1,460.81	/tank							
Short Haul Tank	Crew	B34D	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 6x4, 380 H.P.			\$84.26	\$674.08	1.038	\$87.46	2.5	\$218.65	
			1 Dump Trailer, 20 C.Y.			\$17.35	\$138.82	1.038	\$18.01	2.5	\$45.03	
											\$359.95	- /hr
			Daily Output (area) =	1.77777778	Ea.							
			Daily Cost =	\$2,879.59								
			Cost per m ² =	\$1,619.77	/tank							
							Un	it Cost Small I	Diesel Tanks	(ARKTIS) =	\$3,080.58	/tank

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B15: Unit Cost for Removal of Medium Diesel Tank

								Ottawa	Ottawa	Nunavut		
						U.S. Ave	erage	Cost Index	Costs	Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	-
Demolish Building	Crew	L10a	1 Structural Steel Foreman (outside)			\$93.70		1.05	\$98.39	1.6	\$157.42	
130505500600			4 Structural Steel Worker			\$360.80		1.05	\$378.84	1.6	\$606.14	
			2 Equipment Operator (crane)			\$152.40		1.05	\$160.02	1.6	\$256.03	
			2 Hydraulic Crane, 12 Ton			\$182.33	\$1,458.60	1.038	\$189.25	2.5	\$473.13	_
											\$1,492.73	_ /hr
	Crew	L10a	Daily Output =	64.3145	m2	Assuming decor	ntamination re	duces produc	tivity by half			
			Daily Cost =	\$11,941.80								
			Cost per Tank =	\$185.68	/m2							
								1		1		
Short Haul Building	Crew	B34D	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 6x4, 380 H.P.			\$84.26	\$674.08	1.038	\$87.46	2.5	\$218.65	
			1 Dump Trailer, 20 C.Y.			\$17.35	\$138.82	1.038	\$18.01	2.5	\$45.03	
											\$359.95	/hr
			Daily Output (area) =	64.3145	m2							
			Daily Cost (4 Hours) =	\$1,439.79								
			Cost per m ² =	\$22.39	/m2							
			Medium Diesel Tank =	82.52	m2							

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B16: Unit Cost for Removal of Large Diesel Tanks

Large Diesel Tanks (5ML)												
						U.S. Avo	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	_
Demolish Building	Crew	L10a	1 Structural Steel Foreman (outside)			\$93.70		1.05	\$98.39	1.6	\$157.42	
130505500600			4 Structural Steel Worker			\$360.80		1.05	\$378.84	1.6	\$606.14	
			2 Equipment Operator (crane)			\$152.40		1.05	\$160.02	1.6	\$256.03	
			2 Hydraulic Crane, 12 Ton			\$182.33	\$1,458.60	1.038	\$189.25	2.5	\$473.13	_
											\$1,492.73	/hr
	Crew	L10a	Daily Output =	61.133	m2	Assuming decor	ntamination re	duces product	tivity by half	i		
			Daily Cost =	\$11,941.80								
			Cost per Tank =	\$195.34	/m2							
Short Haul Building	Crew	B34D	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
Short ridar banding	CICW	טייט	1 Truck Tractor, 6x4, 380 H.P.			\$84.26	\$674.08	1.038	\$87.46	2.5	\$218.65	
			1 Dump Trailer, 20 C.Y.			\$17.35	\$138.82	1.038	\$18.01	2.5	\$45.03	
			1 Dump Trailer, 20 C.T.			717.33	Ç130.02	1.050	710.01	2.5	\$359.95	- /hr
			Daily Output (area) =	61.133	m2					ļ	رو.وروړ	/111
			Daily Cost (4 hours) =	\$1,439.79	1112							
			Cost per m ² =	\$23.55	/m2							
			Cost per III -	Ş 2 3.33	/1112							
			Large Diesel Tank =	514.72	m2							
							Ur	nit Cost Large	Diesel Tank	(ARKTIS) =	\$112,668.70	each

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B17: Unit Cost for Removal of Largest Diesel Tanks

Largest Diesel Tanks (12ML)												
						U.S. Ave	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	_
Demolish Building	Crew	L10a	1 Structural Steel Foreman (outside)			\$93.70		1.05	\$98.39	1.6	\$157.42	
130505500600			4 Structural Steel Worker			\$360.80		1.05	\$378.84	1.6	\$606.14	
			2 Equipment Operator (crane)			\$152.40		1.05	\$160.02	1.6	\$256.03	
			2 Hydraulic Crane, 12 Ton			\$182.33	\$1,458.60	1.038	\$189.25	2.5	\$473.13	
											\$1,492.73	/hr
	Crew	L10a	Daily Output =	58.762	m2	Assuming decor	ntamination re	duces produc	tivity by half			
			Daily Cost =	\$11,941.80								
			Cost per Tank =	\$203.22	/m2							
Short Haul Building	Crew	B34D	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 6x4, 380 H.P.			\$84.26	\$674.08	1.038	\$87.46	2.5	\$218.65	
			1 Dump Trailer, 20 C.Y.			\$17.35	\$138.82	1.038	\$18.01	2.5	\$45.03	_
											\$359.95	/hr
			Daily Output (area) =	58.762	m2							
			Daily Cost (4 hour) =	\$1,439.79								
			Cost per m ² =	\$24.50	/m2							
			Largest Diesel Tank =	794.22	m2							
							Unit	Cost Largest	Diesel Tank	(ARKTIS) =	\$180,864.02	each

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



\$61.48 /m2

Unit Cost Modular Teardown - Not Contaminated (ARKTIS) =

Table B18: Unit Cost for Modular Building Teardown – Not Contaminated

Modular Building Teardown - Not Contaminated

- Wood framed
- Load and 8 km haul to dump

						U.S. Av	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs
						Hourly	Daily		Hourly		Hourly
Dispose Modular Building	Crew	В3	1 Labour Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21
024119180500			2 Labourers			\$113.10		1.05	\$118.76	1.6	\$190.01
			1 Equipment Operator (medium)			\$74.15		1.05	\$77.86	1.6	\$124.57
			2 Truck Drivers (heavy)			\$114.60		1.05	\$120.33	1.6	\$192.53
			1 Crawler Loader, 3 C.Y.			\$163.76	\$1,310.10	1.038	\$169.99	2.5	\$424.96
			2 Dump Trucks, 12 C.Y., 400 H.P.			\$190.36	\$1,522.84	1.038	\$197.59	2.5	\$493.97
											\$1,526.25
	Crew	В3	Daily Output (volume) =	198.617	m2						
			Daily Cost =	\$12,210.04							
			Cost per m3 =	\$61.48	/m2						

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B19: Unit Cost for Modular Building Teardown – Contaminated

Modular Building Teardown - Contaminated

- Wood framed

- Load and 8 km haul to dump

						U.S. Av	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs
						Hourly	Daily		Hourly		Hourly
Dispose Modular Building	Crew	В3	1 Labour Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21
024119180500			2 Labourers			\$113.10		1.05	\$118.76	1.6	\$190.01
			1 Equipment Operator (medium)			\$74.15		1.05	\$77.86	1.6	\$124.57
			2 Truck Drivers (heavy)			\$114.60		1.05	\$120.33	1.6	\$192.53
			1 Crawler Loader, 3 C.Y.			\$163.76	\$1,310.10	1.038	\$169.99	2.5	\$424.96
			2 Dump Trucks, 12 C.Y., 400 H.P.			\$190.36	\$1,522.84	1.038	\$197.59	2.5	\$493.97
											\$1,526.25
	Crew	В3	Daily Output (volume) =	66.20566667	m2						
			Daily Cost =	\$12,210.04							
			Cost per m3 =	\$184.43	/m2						

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B20: Unit Cost for Foldaway Building Teardown – Not Contaminated

Foldaway Building Teardown - Not Contaminated

- 697 to 1162 m2

- Pre-engineered steel building, rigid frame, clear span and multi post

						U.S. Ave	rage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	•
Demolish Building	Crew	L10	1 Structural Steel Foreman (outside)			\$93.70		1.05	\$98.39	1.6	\$157.42	
130505500600			1 Structural Steel Worker			\$90.20		1.05	\$94.71	1.6	\$151.54	
			1 Equipment Operator (crane)			\$76.20		1.05	\$80.01	1.6	\$128.02	
			1 Hydraulic Crane, 12 Ton			\$91.16	\$729.30	1.038	\$94.63	2.5	\$236.57	_
											\$673.53	/hr
	Crew	L10	Daily Output =	139	m2							
			Daily Cost =	\$5,388.28								
			Cost per Tank =	\$38.76	/m2							
Short Haul Building	Crew	B34D	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 6x4, 380 H.P.			\$84.26	\$674.08	1.038	\$87.46	2.5	\$218.65	
			1 Dump Trailer, 20 C.Y.			\$17.35	\$138.82	1.038	\$18.01	2.5	\$45.03	
			·							-	\$359.95	/hr
			Daily Output (area) =	139	m2			•	•			
			Daily Cost (0.5 hour) =	\$359.95								
			Cost per m ² =	\$2.59	/m2							
					Unit	Cost Foldaway I	Building Tear	down - Not Co	ntaminated	(ARKTIS) =	\$41.35	/m2

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B21: Unit Cost for Foldaway Building Teardown – Contaminated

Foldaway Building Teardown - Contaminated

- 697 to 1162 m2

- Pre-engineered steel building, rigid frame, clear span and multi post

						U.S. Ave	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	-
Demolish Building	Crew	L10	1 Structural Steel Foreman (outside)			\$93.70		1.05	\$98.39	1.6	\$157.42	
130505500600			1 Structural Steel Worker			\$90.20		1.05	\$94.71	1.6	\$151.54	
			1 Equipment Operator (crane)			\$76.20		1.05	\$80.01	1.6	\$128.02	
			1 Hydraulic Crane, 12 Ton			\$91.16	\$729.30	1.038	\$94.63	2.5	\$236.57	_,
						1					\$673.53	/hr
	Crew	L10	Daily Output =	40	m2							
			Daily Cost =	\$5,388.28								
			Cost per Tank =	\$134.71	/m2							
Short Haul Building	Crew	B34D	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 6x4, 380 H.P.			\$84.26	\$674.08	1.038	\$87.46	2.5	\$218.65	
			1 Dump Trailer, 20 C.Y.			\$17.35	\$138.82	1.038	\$18.01	2.5	\$45.03	
											\$359.95	/hr
			Daily Output (area) =	40	m2							
			Daily Cost (0.5 hour) =	\$359.95								
			Cost per m ² =	\$9.00	/m2							
						Unit Cost Foldav	vay Building 1	Гeardown - Co	ntaminated	(ARKTIS) =	\$143.71	/m2

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B22: Unit Cost for ISO Container Building Removal – Not Contaminated

Iso-Container Buildings -								Ottawa	Ottawa	Nunavut	Nunavut	
						U.S. Av	erage	Cost Index	Costs	Index	Costs	_
						Hourly	Daily		Hourly		Hourly	
Disassemble and Decontaminate	Crew	N/A	1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00 \$95.00	
	Crew	N/A	Daily Output (Volume) =	8.00	each							
			Daily Cost (8 hour day) =	\$760.03								
			Cost each =	\$95.00	each							
Load	Crew	N/A	1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator Medium			\$74.15		1.05	\$77.86	1.6	\$124.57	
			1 F.E. Loader, W.M., 2.5 CY			\$71.89	\$575.08	1.038	\$74.62	2.5	\$186.54	
											\$406.12	/hr
	Crew	N/A	Daily Output (Volume) =	8	each							
			Daily Cost (8 hour day) =	\$3,248.94								
			Cost each =	\$406.12	each							
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	_
											\$281.24	/hr
	Crew	N/A	Daily Output (Volume) =	4	each							
			Daily Cost (8 hour day) =	\$2,249.88								
			Cost per m3 =	\$562.47	each							
			TOTAL Cost per m3 =	\$1,063.59	each							
						Unit (Cost Removal	of Iso-Contain	er Buildings	(ARKTIS) =	\$35.73	/m2

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B23: Unit Cost for Removal of ISO Container Building Removal – Contaminated

Iso-Container Building - C	contaminated							Ottawa	Ottawa	Nunavut	Nunavut	
						U.S. Av	erage	Cost Index	Costs	Index	Costs	
						Hourly	Daily		Hourly		Hourly	_
Disassemble and						•	,		,		,	
Decontaminate	Crew	N/A	1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
											\$95.00	/hr
	Crew	N/A	Daily Output (Volume) =	3.00	each							
			Daily Cost (8 hour day) =	\$760.03								
			Cost each =	\$253.34	each							
Load	Crew	N/A	1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator Medium			\$74.15		1.05	\$77.86	1.6	\$124.57	
			1 F.E. Loader, W.M., 2.5 CY			\$71.89	\$575.08	1.038	\$74.62	2.5	\$186.54	_
											\$406.12	/hr
	Crew	N/A	Daily Output (Volume) =	3	each							
			Daily Cost (8 hour day) =	\$3,248.94								
			Cost each =	\$1,082.98	each							
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	_
											\$281.24	/hr
	Crew	N/A	Daily Output (Volume) =	3	each							
			Daily Cost (8 hour day) =	\$2,249.88								
			Cost per m3 =	\$749.96	each							
			TOTAL Cost per m3 =	\$2,086.29	each							
			101712 0000 per 1110	Ψ Ξ,000.Ξ 3	Cucii							



Iso-Container Building - Contaminated			
TOTAL Cost per Iso Container = \$70.08	m2		
	Unit Cost Removal of Iso-Container Building - Contaminated (ARKTIS) = \$70.0	08 /r	m2

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B24: Unit Cost for Timber Cribbing Removal

Timber Cribbing Remova	I											
						U.S. Av	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	_
Disassemble/Load	Crew	N/A	1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	_
											\$95.00	/hr
	Crew	N/A	Daily Output (Volume) =	118.67	m2							
			Daily Cost (8 hour day) =	\$760.03								
			Cost each =	\$6.40	/m2							
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	_
											\$281.24	/hr
	Crew	N/A	Daily Output (Volume) =	158.5422222	m2							
			Daily Cost (8 hour day) =	\$2,249.88								
			Cost each =	\$14.19								
							Unit Cost	Timber Cribbi	ng Removal	(ARKTIS) =	\$20.60	/m²

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B25: Unit Cost for Precast Concrete Foundation Removal

Precast Concrete Foundations

- Remove whole pieces up to 2 tonnes

						U.S. Ave	erage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	_
						Hourly	Daily		Hourly		Hourly	
Remove and Load Precast	Crew	B80B	3 Labourers			\$169.65		1.05	\$178.13	1.6	\$285.01	
Block			1 Equipment Operator (Light)			\$71.35		1.05	\$74.92	1.6	\$119.87	
			1 Crane, Flatbed Mounted, 3 Ton			\$34.16	\$273.24	1.038	\$35.45	2.5	\$88.63	
						•					\$493.51	_
	Crew	B80B	Daily Output =	57.61	m3						·	•
			Daily Cost =	\$3,948.10								
			Cost per m3 =	\$68.53	/m3							
			Cost per m2 =	\$17.82	/m2							
Short Haul Precast Blocks	Crew	B34D	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 6x4, 380 H.P.			\$84.26	\$674.08	1.038	\$87.46	2.5	\$218.65	
			1 Dump Trailer, 20 C.Y.			\$17.35	\$138.82	1.038	\$18.01	2.5	\$45.03	
											\$359.95	/hr
			Daily Output (area) =	40	m3	•		-	Ī			
			Daily Cost =	\$2,879.59								
			Cost per m3 =	\$71.99	/m3							
			Cost per m2 =	\$18.72	/m2							
							Un	it Cost Precast	Foundation	(ARKTIS) =	\$140.52	/m3

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B26: Unit Cost for Bridge Removal

Bridge Removal

- Bridge area is 9.3m x 46m long; A = 427.8 m2

B21C 1 Labor Foreman (outside) 4 Laborers 1 Equipment Operator (crane) 1 Equipment Operator (oiler) 2 Cutting Torches 2 Sets of Gases			U.S. Ave Hourly \$59.65 \$226.20	Daily	1.05	Hourly \$62.63	1.6	Hourly
4 Laborers1 Equipment Operator (crane)1 Equipment Operator (oiler)2 Cutting Torches			\$226.20			\$62.63	16	¢100.21
1 Equipment Operator (crane)1 Equipment Operator (oiler)2 Cutting Torches							1.0	\$100.21
1 Equipment Operator (oiler) 2 Cutting Torches					1.05	\$237.51	1.6	\$380.02
2 Cutting Torches			\$76.20		1.05	\$80.01	1.6	\$128.02
_			\$66.00		1.05	\$69.30	1.6	\$110.88
2 Sets of Gases			\$76.20	\$25.08	1.038	\$79.10	2.5	\$197.74
2 Jets of dases			\$76.20	\$334.40	1.05	\$80.01	2.5	\$200.03
1 Lattice Boom Crane, 90 Ton			\$210.24	\$1,681.90	1.038	\$218.23	2.5	\$545.57
								\$1,662.45
B21C Daily Output =	23.23	m2						
Daily Cost =	\$13,299.63							
Cost per Tank =	\$572.52	/m2						
B34D 1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26
1 Truck Tractor, 6x4, 380 H.P.			\$84.26	\$674.08	1.038	\$87.46	2.5	\$218.65
1 Dump Trailer, 20 C.Y.			\$17.35	\$138.82	1.038	\$18.01	2.5	\$45.03
								\$359.95
Daily Output (area) =	23.23	m2						
Daily Cost (0.5 hour) =	\$359.95							
Cost per m ² =	\$15.49	/m2						
Bridge Removal =	\$588.01	/m2						
	1 Truck Tractor, 6x4, 380 H.P. 1 Dump Trailer, 20 C.Y. Daily Output (area) = Daily Cost (0.5 hour) = Cost per m ² =	1 Truck Tractor, 6x4, 380 H.P. 1 Dump Trailer, 20 C.Y. Daily Output (area) = 23.23 Daily Cost (0.5 hour) = \$359.95 Cost per m² = \$15.49	1 Truck Tractor, 6x4, 380 H.P. 1 Dump Trailer, 20 C.Y. Daily Output (area) = 23.23 m2 Daily Cost (0.5 hour) = \$359.95 Cost per m² = \$15.49 /m2	1 Truck Tractor, 6x4, 380 H.P. \$84.26 1 Dump Trailer, 20 C.Y. \$17.35 Daily Output (area) = 23.23 m2 Daily Cost (0.5 hour) = \$359.95 Cost per m ² = \$15.49 /m2	1 Truck Tractor, 6x4, 380 H.P. \$84.26 \$674.08 1 Dump Trailer, 20 C.Y. \$17.35 \$138.82 Daily Output (area) = 23.23 m2 Daily Cost (0.5 hour) = \$359.95 Cost per m² = \$15.49 /m2 Bridge Removal = \$588.01 /m2	1 Truck Tractor, 6x4, 380 H.P. \$84.26 \$674.08 1.038 1 Dump Trailer, 20 C.Y. \$17.35 \$138.82 1.038 Daily Output (area) = 23.23 m2 Daily Cost (0.5 hour) = \$359.95 Cost per m² = \$15.49 /m2 Bridge Removal = \$588.01 /m2	1 Truck Tractor, 6x4, 380 H.P. \$84.26 \$674.08 1.038 \$87.46 1 Dump Trailer, 20 C.Y. \$17.35 \$138.82 1.038 \$18.01 Daily Output (area) = 23.23 m2 Daily Cost (0.5 hour) = \$359.95 Cost per m² = \$15.49 /m² Bridge Removal = \$588.01 /m²	1 Truck Tractor, 6x4, 380 H.P. \$84.26 \$674.08 1.038 \$87.46 2.5 1 Dump Trailer, 20 C.Y. \$17.35 \$138.82 1.038 \$18.01 2.5 Daily Output (area) = 23.23 m2 Daily Cost (0.5 hour) = \$359.95 Cost per m² = \$15.49 /m²



Table B27: Unit Cost Removal of Incinerators

Remove Incinerators								044	044	A1		
						U.S. Ave	rage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily	Cost much	Hourly	шисх	Hourly	-
Disassemble and							Dany		1100117		Hourry	
Decontaminate	Crew	N/A	1 Labor Foreman			\$59.65		1.05	\$62.63	1.6	\$100.21	
			1 Skilled Worker			\$73.25		1.05	\$76.91	1.6	\$123.06	
			2 Laborers			\$113.10		1.05	\$118.76	1.6	\$190.01	_
											\$413.28	/ł
	Crew	N/A	Daily Output (Volume) =	0.62	each							
			Daily Cost (8 hour day) =	3306.24								
			Cost each =	5372.64	each							
oad	Crew	N/A	1 Labor Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21	
			1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator (medium)			\$74.15		1.05	\$77.86	1.6	\$124.57	
			1 Medium Equipment			\$71.89	\$575.08	1.038	\$74.62	2.5	\$186.54	
											\$506.33	/ł
	Crew	N/A	Daily Output (Volume) =	2.666666667	each							
			Daily Cost (8 hour day) =	4050.64								
			Cost each =	1518.99	each							
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	_
											\$281.24	/h
	Crew	N/A	Daily Output (Volume) =	0.888888889	each							
			Daily Cost (8 hour day) =	2249.88								

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Remove Incinerators

Cost each = 2531.12

Unit Cost Remove Incinerators (ARKTIS) =

\$9,422.75 each

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B28: Unit Cost for Removal Potable Water

Removal Potable Water												
								Ottawa	Ottawa	Nunavut		
						U.S. Ave	rage	Cost Index	Costs	Index	Nunavut Costs	_
						Hourly	Daily		Hourly		Hourly	
Disassemble and						4=0.5=		4.05	452.52	4.6	4400.04	
Decontaminate	Crew	N/A	1 Labor Foreman			\$59.65		1.05	\$62.63	1.6	\$100.21	
			1 Skilled Worker			\$73.25		1.05	\$76.91	1.6	\$123.06	
			2 Laborers			\$113.10		1.05	\$118.76	1.6	\$190.01	_
											\$413.28	/h
	Crew	N/A	Daily Output (Volume) =	0.62	each							
			Daily Cost (8 hour day) =	\$3,306.24								
			Cost each =	\$5,372.64	each							
oad	Crew	N/A	1 Labor Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21	
			1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator (medium)			\$74.15		1.05	\$77.86	1.6	\$124.57	
			1 Medium Equipment			\$71.89	\$575.08	1.038	\$74.62	2.5	\$186.54	<u>_</u>
											\$506.33	/ł
	Crew	N/A	Daily Output (Volume) =	2.666666667	each							
			Daily Cost (8 hour day) =	\$4,050.64								
			Cost each =	\$1,518.99	each							
laul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
		,	1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	
						Ţ_0.50	Ψ = 0 <u>=</u> 0	2.000	Ţ==.33		\$281.24	_
	Crew	N/A	Daily Output (Volume) =	0.88888889	each			I		I	Ų201.24	,,
	.	,	Daily Cost (8 hour day) =	\$2,249.88	500							

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Removal Potable Water

Cost each =

\$2,531.12

Unit Cost Removal Potable Water (ARKTIS) =

\$9,422.75 each

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B29: Unit Cost Removal Sewage Treatment Plants

Removal Sewage Treatm								Ottawa	Ottawa	Nunavut		
						U.S. Ave	rage	Cost Index	Costs	Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	_
Disassemble and												
Decontaminate	Crew	N/A	1 Labor Foreman			\$59.65		1.05	\$62.63	1.6	\$100.21	
			1 Skilled Worker			\$73.25		1.05	\$76.91	1.6	\$123.06	
			2 Laborers			\$113.10		1.05	\$118.76	1.6	\$190.01	_
											\$413.28	/h
	Crew	N/A	Daily Output (Volume) =	0.62	each							
			Daily Cost (8 hour day) =	\$3,306.24								
			Cost each =	\$5,372.64	each							
_oad	Crew	N/A	1 Labor Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21	
			1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator (light)			\$74.15		1.05	\$77.86	1.6	\$124.57	
			1 Medium Equipment			\$71.89	\$575.08	1.038	\$74.62	2.5	\$186.54	
											\$506.33	/h
	Crew	N/A	Daily Output (Volume) =	2	each							
			Daily Cost (8 hour day) =	\$4,050.64								
			Cost each =	\$2,025.32	each							
laul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	_
											\$281.24	_ /h
	Crew	N/A	Daily Output (Volume) =	0.666666667	each					•	•	
			Daily Cost (8 hour day) =	\$2,249.88								

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Removal Sewage Treatment Plants

Cost each =

\$3,374.83

Unit Cost Removal Sewage Treatment Plants (ARKTIS) =

\$10,772.79 each

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B30: Unit Cost for Piping Removal

Piping Removal

- 250mm diameter piping removal, cleaning and plugging
- Machine loaded, hauling up to 3.2 km

								Ottawa	Ottawa	Nunavut		
						U.S. Aver	rage	Cost Index	Costs	Index	Nunavut Costs	_
						Hourly	Daily		Hourly		Hourly	
Clean and Disassemble	Crew	B20	1 Labour Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21	
024113381700			1 Skilled Worker			\$73.25		1.05	\$76.91	1.6	\$123.06	
			1 Labourer			\$56.55		1.038	\$58.70	1.6	\$93.92	_
											\$317.19	/hr
	Crew	B20	Daily Output =	45.72	m							
			Daily Cost =	\$2,537.52								
			Cost per m =	\$55.50	/m							
Loading and Hauling	Crew	B17	2 Labourers			\$113.10		1.05	\$118.76	1.6	\$190.01	
024119193080			1 Equipment Operator (Light)			\$71.25		1.05	\$74.81	1.6	\$119.70	
			1 Truck Driver (Heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Backhoe Loader, 48 H.P.			\$50.22	\$401.72	1.038	\$52.12	2.5	\$130.31	
			1 Dump Truck, 8 C.Y., 220 H.P.			\$57.37	\$458.92	1.038	\$59.54	2.5	\$148.86	_
											\$685.14	/hr
	Crew	B17	Daily Output (volume) =	91.75	m3							
			Daily Output (length) =	1869	m							
			Daily Cost =	\$5,481.14								
			Cost per m3 =	\$2.93	/m							
							ı	Unit Cost Pipir	ng Removal	(ARKTIS) =	\$58.43	/m



Table B31: Unit Cost for Cabling Removal

Cabling Removal												
						U.S. Avei	rage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	_
Disassemble	Crew	B20	1 Labour Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21	
024113381700			1 Skilled Worker			\$73.25		1.05	\$76.91	1.6	\$123.06	
			1 Labourer			\$56.55		1.038	\$58.70	1.6	\$93.92	_
											\$317.19	/hr
	Crew	B20	Daily Output =	91.44	m							
			Daily Cost =	\$2,537.52								
			Cost per m =	\$27.75	/m							
Loading and Hauling	Crew	B17	2 Labourers			\$113.10		1.05	\$118.76	1.6	\$190.01	
024119193080			1 Equipment Operator (Light)			\$71.25		1.05	\$74.81	1.6	\$119.70	
			1 Truck Driver (Heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Backhoe Loader, 48 H.P.			\$50.22	\$401.72	1.038	\$52.12	2.5	\$130.31	
			1 Dump Truck, 8 C.Y., 220 H.P.			\$57.37	\$458.92	1.038	\$59.54	2.5	\$148.86	
											\$685.14	_ /hr
	Crew	B17	Daily Output (volume) =	91.75	m3							
			Daily Output (length) =	186900	m							
			Daily Cost =	\$5,481.14								
			Cost per m3 =	\$0.03	/m							
							U	nit Cost Cablir	ng Removal	(ARKTIS) =	\$27.78	/m

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B32: Unit Cost for Removal of Miscellaneous

Removal Miscellaneous												
								Ottawa	Ottawa	Nunavut		
						U.S. Ave	erage	Cost Index	Costs	Index	Nunavut Costs	_
						Hourly	Daily		Hourly		Hourly	
Load	Crew	N/A	1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			0.5 Equipment Operator (light)			\$35.68		1.05	\$37.46	1.6	\$59.93	
			0.5 Light Equipment			\$25.11	\$401.72	1.038	\$26.06	2.5	\$65.15	_
											\$220.09	/hr
	Crew	N/A	Daily Output (Volume) =	50	each							
			Daily Cost (8 hour day) =	\$1,760.74								
			Cost each =	\$35.21	each							
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	_
											\$281.24	/hr
	Crew	N/A	Daily Output (Volume) =	50	each							
			Daily Cost (8 hour day) =	\$2,249.88								
			Cost each =	\$45.00								
							Unit Cos	t Removal Mis	cellaneous	(ARKTIS) =	\$80.21	each

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B33: Unit Cost Removal of Airstrip Lighting

						U.S. Aver	rage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	_
						Hourly	Daily		Hourly		Hourly	-
Disassemble	Crew	B20	1 Labour Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21	
024113381700			1 Skilled Worker			\$73.25		1.05	\$76.91	1.6	\$123.06	
			1 Labourer			\$56.55		1.038	\$58.70	1.6	\$93.92	_
											\$317.19	/
	Crew	B20	Daily Output =	91.44	m							
			Daily Cost =	\$2,537.52								
			Cost per m =	\$27.75	/m							
Loading and Hauling	Crew	B17	2 Labourers			\$113.10		1.05	\$118.76	1.6	\$190.01	
024119193080			1 Equipment Operator (Light)			\$71.25		1.05	\$74.81	1.6	\$119.70	
			1 Truck Driver (Heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Backhoe Loader, 48 H.P.			\$50.22	\$401.72	1.038	\$52.12	2.5	\$130.31	
			1 Dump Truck, 8 C.Y., 220 H.P.			\$57.37	\$458.92	1.038	\$59.54	2.5	\$148.86	<u>_</u>
											\$685.14	/h
	Crew	B17	Daily Output (volume) =	91.75	m3							
			Daily Output (length) =	186900	m							
			Daily Cost =	\$5,481.14								
			Cost per m3 =	\$0.03	/m							
							Unit Cost	Airstrip Lightir	ng Removal	(ARKTIS) =	\$27.78	/1

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B34: Unit Costs for Removal of Localized Contaminated Soil

Contaminated Soil Removal

- Assuming excavation of contaminated soils using dozer (149 kW, 45m haul, sand and gravel); RS Means 312316464200
- 1.9m3 loader moving soil up to 45.5 m on-site to load into trucks; RS Means 025613100200

						U.S. Ave	rage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	_
Strip Contaminated Soil	Crew	B10B	1 Equip. Operator			\$74.15		1.05	\$77.86	1.6	\$124.57	
RS Means 312316464200			0.5 Labour (\$56.55/hr.)			\$28.28		1.05	\$29.69	1.6	\$47.50	
			1 Dozer (200 H.P.)			\$182.19	\$1,457.50	1.038	\$189.11	1.35	\$255.30	_
											\$427.37	_ /hr
			Daily Output (volume) =	455	m^3							
			Daily Cost (8 hour day) =	\$3,418.99								
			Cost per m ³ =	\$7.51	/m³							
Load Contaminated Soil	Crew	B10T	1 Equip. Operator			\$74.15		1.05	\$77.86	1.6	\$124.57	
RS Means 025613100200			0.5 Labourer (\$54.60)			\$28.28		1.05	\$29.69	1.6	\$47.50	
			1 Loader (W.M., 2.5 C.Y.)			\$71.89	\$575.08	1.038	\$74.62	2.5	\$186.54	_
											\$358.62	/hr
			Daily Output (volume) =	229	m^3							
			Daily Cost (8 hour day) =	\$2,868.92								
			Cost per m ³ =	\$12.53	/m³							
Haul Fill Material	Crew	B34G	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
312323206180			1 Dump Truck, Off Hwy., 50 Ton			\$245.63	\$1,965.00	1.038	\$254.96	2.5	\$637.40	_
											\$733.66	/hr
	Crew	B34G	Daily Output (Volume) =	546	Bm3							
			Daily Cost (8 hour day) =	\$5,869.29								
			Cost per m ³ =	\$10.75	$/m^3$							



Contaminated Soil Removal	
- Assuming excavation of contaminated soils using dozer (149 kW, 45m haul, sand and gravel); RS Means 312316464200	
- 1.9m3 loader moving soil up to 45.5 m on-site to load into trucks; RS Means 025613100200	
	Unit Cost Contaminated Soil Removal (ARKTIS) = \$30.79 /m ³

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B35: Unit Cost for Removal of Camp Mats (Size 1)

Remove Camp Mats (Size 1)											
						U.S. Aver	age	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	-
Load/Unload	Crew	N/A	1 Labor Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21	
			1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator (light)			\$71.35		1.05	\$74.92	1.6	\$119.87	
			1 Light Equipment			\$50.22	\$401.72	1.038	\$52.12	2.5	\$130.31	_
											\$445.39	/hr
	Crew	N/A	Daily Output (Volume) =	25	each							
			Daily Cost (8 hour day) =	\$3,563.14								
			Cost Load =	\$142.53	each							
			Cost Unload =	\$142.53	each							
			Cost=	\$285.05	each							
Haul	Crew	N/A	1 Truck Driver (heavy)		ı	\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	
											\$281.24	/hr
	Crew	N/A	Daily Output (Volume) =	25	each							
			Daily Cost (8 hour day) =	\$2,249.88								
			Cost each =	\$90.00								
			TOTAL Cost per m3 =	\$232.52	each							
						Unit	Cost Remov	al of Camp M	aps (Size 1)	(ARKTIS) =	\$517.57	each

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B36: Unit Cost for Removal of Camp Mats (Size 2)

Remove Camp Mats (Size 2)												
						II.C. Assess		Ottawa	Ottawa	Nunavut	Noncount Conta	
						U.S. Aver		Cost Index	Costs	Index	Nunavut Costs	_
	_					Hourly	Daily		Hourly		Hourly	
Load	Crew	N/A	1 Labor Foreman (outside)			\$59.65		1.05	\$62.63	1.6	\$100.21	
			1 Laborer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Equipment Operator (light)			\$74.15		1.05	\$77.86	1.6	\$124.57	
			1 Medium Equipment			\$51.34	\$410.74	1.038	\$53.29	2.5	\$133.23	_
											\$453.02	/hr
	Crew	N/A	Daily Output (Volume) =	18	each							
			Daily Cost (8 hour day) =	\$3,624.17								
			Cost Load =	\$201.34	each							
			Cost Unload =	\$201.34	each							
			Cost=	\$402.69	each							
			C03(=	Ş-102.03	Cacii							
Haul	Crew	N/A	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 220 H.P.			\$50.38	\$403.04	1.038	\$52.29	2.5	\$130.74	
			1 Flatbed Trailer, 40 Ton			\$20.90	\$167.20	1.038	\$21.69	2.5	\$54.24	
											\$281.24	- /hr
	Crew	N/A	Daily Output (Volume) =	18	each			I			·	,
			Daily Cost (8 hour day) =	\$2,249.88								
			Cost each =	\$124.99								
				ţ 1133								
			TOTAL Cost per m3 =	\$326.34	each							
						Uni	t Cost Remo	val of Camp M	ats (Size 2)	(ARKTIS) =	\$729.02	each



Table B37: Unit Cost for Container Crossing Removal

Removal Container Crossings												
						U.S. A	verage	Ottawa Cost Index	Ottawa Costs	Nunavut Index	Nunavut Costs	
						Hourly	Daily		Hourly		Hourly	-
Excavate Culvert	Crew	B12B	1 Equip. Operator			\$76.20	•	1.05	\$80.01	1.6	\$128.02	
			1 Labourer			\$56.55		1.05	\$59.38	1.6	\$95.00	
			1 Hyd. Excavator, 1.5 C.Y.			\$141.76	\$1,134.10	1.038	\$147.15	2.5	\$367.87	
											\$590.89	/hr
			Daily Output (area) =	413	m^3							
			Daily Cost (8 hour day) =	\$4,727.15								
			Cost per m ³ =	\$11.45	/m³							
			Cost per culvert =	\$915.67	/cont.							
			·		-							
Travel to/from Location	Crew	B12B	1 Equip. Operator			\$76.20		1.05	\$80.01	1.6	\$128.02	
(25 km average)			1 Labourer			\$56.55		1.05	\$59.38	1.6	\$95.00	
(30 km/h)			1 Hyd. Excavator, 1.5 C.Y.			\$141.76	\$1,134.10	1.038	\$147.15	2.5	\$367.87	
											\$590.89	/hr
			Travel Time (return) =	1.67	hr.							
			Daily Cost (8 hour day) =	\$984.82								
			Culverts/day =	12	Cont.							
			Cost per culvert =	\$82.07	/cont.							
Long Haul Culvert	Crew	B34D	1 Truck Driver (heavy)			\$57.30		1.05	\$60.17	1.6	\$96.26	
			1 Truck Tractor, 6x4, 380 H.P.			\$84.26	\$674.08	1.038	\$87.46	2.5	\$218.65	
			1 Dump Trailer, 20 C.Y.			\$17.35	\$138.82	1.038	\$18.01	2.5	\$45.03	_
											\$359.95	/hr
			Culvert/day =	2	Cont.							
			Daily Cost (8 hour day) =	\$2,879.59								

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Removal Container Crossings

Cost per culvert =

\$1,439.79 /cont.

Unit Cost Removal of Container Crossings (ARKTIS) =

\$2,437.53 /cont.

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B38: Unit Cost for Contaminated Soil Treatment

Contaminated Soil Treatment

- Rip medium hard till; 224 kW dozer, ideal conditions
- 306kW dozer (similar to D8T), 30m haul

							Ottawa	Ottawa	Nunavut	
					U.S. Av		Cost Index	Costs	Index	Nunavut Costs
					Hourly	Daily		Hourly		Hourly
Rip Areas	Crew	B11S	1 Equipment Operator (medium)		\$74.15		1.05	\$77.86	1.6	\$124.57
312316322830			0.5 Labourer		\$28.28		1.05	\$29.69	1.6	\$47.50
			1 Dozer, 300 H.P.		\$249.84	\$1,998.70	1.038	\$259.33	2.5	\$648.33
			1 Ripper, Beam & 1 Shank		\$11.19	\$89.54	1.038	\$11.62	2.5	\$29.04
										\$849.45
Dozing Ripped Material	Crew	B10X	1 Equipment Operator (medium)		\$74.15		1.05	\$77.86	1.6	\$124.57
312316323400			0.5 Labourer		\$28.28		1.05	\$29.69	1.6	\$47.50
			1 Dozer, 410 H.P.		\$81.37	\$650.98	1.038	\$84.46	2.5	\$211.16
										\$383.24
			Hourly Rate =	\$1,232.68	"	'		!	, ,	
			Total Hours =	200						
			Total Cost =	\$246,536.50						
			Total Soil =	18325						
			Total Soil =	\$13.45						
					U	nit Cost Cont	aminated Soil	Treatment	(ARKTIS) =	\$13.45 /m

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B39: Nunavut Cost Index – Labour Rates Comparison

	RS Means U.S. Avg. (Union), incl. O&P (ALL)	Ottawa City Cost Index	Ottawa	Nunavut	Ref. Location	Nunavut, incl. 20% O&P	Nunavut Location Factor
Foreman	\$74.50	1.052	\$78.37	\$105.00	Sanikiluaq	\$126.00	1.6
Labourer	\$56.55	1.052	\$59.49	\$80.00	Sanikiluaq	\$96.00	1.6
Labourer	\$56.55	1.052	\$59.49	\$80.00	Sanikiluaq	\$96.00	1.6
Carpenter	\$69.15	0.925	\$63.96	\$80.00	Sanikiluaq	\$96.00	1.5
Electrician	\$78.40	0.961	\$75.34	\$100.00	Hall Beach	\$120.00	1.6
Welder	\$89.30	0.929	\$82.96	\$105.00	Sanikiluaq	\$126.00	1.5
Mechanical	\$81.30	0.856	\$69.59	\$93.75	Hall Beach	\$112.50	1.6
Plumbers	\$84.05	0.856	\$71.95	\$93.75	Hall Beach	\$112.50	1.6
						Average =	1.6
Excavator (2 CY)	\$129.50	1.035	\$134.03	\$275.00	Sanikiluaq	\$330.00	2.5
Skytrack				\$185.00	Sanikiluaq	\$222.00	
Back Hoe	\$50.00	1.035	\$51.75	\$245.00	Sanikiluaq	\$294.00	5.7
Generator				\$125.00	Sanikiluaq	\$150.00	
Camp Room/Board				\$285.00	Hall Beach	\$342.00	

Notes:

Average for Nunavut labour index calculated to be 1.6.

Limited equipment comparisons available. Nunavut equipment index of 2.5 applied to ARKTIS estimate based on an excavator; calculated index for the backhoe was not considered reasonable.

FOR BAFFINLAND IRON MINES CORPORATION'S MARY RIVER PROJECT ACTIVITIES OCCURRING ON INUIT OWNED LANDS



Table B40: Shipping rates for general cargo, hazardous materials, and fuel

Туре	Direction	Unit Cost	Base Rate	Insurance Premium	Total	Notes
General Cargo	Northbound	per revenue tonne	\$377.78	\$12.00	\$389.78	Costs obtained from NEAS 2014 General Cargo Freight Shipping Rates
General Cargo	Northbound	m^3	\$151.11	\$4.80	\$155.91	Costs obtained from NEAS 2014 General Cargo Freight Shipping Rates divided by 2.5m ³
General Cargo	Northbound	TEU	\$5,817.74	\$184.80	\$6,002.54	Costs obtained from NEAS 2014 General Cargo Freight Shipping Rates
General Cargo	Retrograde	per revenue tonne	\$245.55	\$12.00	\$257.55	Costs obtained from NEAS 2014 General Cargo Freight Shipping Rates
General Cargo	Retrograde	m^3	\$98.22	\$4.80	\$103.02	Costs obtained from NEAS 2014 General Cargo Freight Shipping Rates divided by 2.5m3
General Cargo	Retrograde	TEU	\$3,781.47	\$184.80	\$3,966.27	Derived from \$12.00 per revenue tonne insurance from NEAS. 1 rev. tonne is 2.5m3. So insurance is \$12/2.5 = \$4.80
General Cargo	Retrograde	TEU	\$694.00		\$694.00	
Hazardous	Northbound	per revenue tonne			\$467.74	
Hazardous	Northbound	m^3			\$187.09	
Hazardous	Northbound	TEU			\$7,203.05	
Hazardous	Retrograde	per revenue tonne			\$309.06	
Hazardous	Retrograde	m^3			\$123.62	
Hazardous	Retrograde	TEU			\$4,759.52	

Notes:

- Transys Research report indicates fuel vessel tanker costs are estimated at 1.85 x retrograde rate for general cargo.
- Fuel for transportation to Milne in barrels or container tank are direct from TranSys Reasearch report.

_				Insurance		
Туре	Direction	Unit Cost	Base Rate	Premium	Total	Notes
Fuel (Vessel)	Retrograde	per revenue tonne	\$454.27	\$22.20	\$476.47	Factor of 1.85 obtained from 2009 TranSys Research Ltd. Report and cost obtained from NEAS 2013
Fuel (Barrels)	Northbound	per revenue tonne			\$582.00	Cost obtained from 2009 TranSys Research Ltd. Report
Fuel (Barrels)	Northbound	m³			\$232.80	
Fuel (Isocontainer)	Northbound	per revenue tonne			\$592.00	Cost obtained from 2009 TranSys Research Ltd. Report
Fuel (Isocontainer)	Northbound	TEU			\$9,122.55	
Fuel (Isocontainer)	Retrograde	TEU			\$6,027.86	



Table B41: Summary of Reclamation Crews – Labour, Output and Person Days

Reclamation Activity	Sub-Activity	Crew	Number of Persons	Daily Output	Unit3	No. of Crew	Total Persons	Total Output	Quantity	Unit2	Days	Person Days
Bridge Removal	Demolition	B21C	7	29.0375	m2	2	14	58.075	1643.4	m2	29	406
	Short Haul	B34D	1	29.0375	m2	2	2	58.075	1643.4	m2	29	58
Contaminated Soil Removal	Strip Contaminated Soil	B10B	1.5	568.75	m3	1	1.5	568.75	2862	m3	6	9
	Load Contaminated Soil	B10T	1.5	286.25	m3	1	1.5	286.25	2862	m3	10	15
	Haul Fill Material	B34G	1	682.5	m3	3	3	2047.5	2862	m3	2	6
Culvert Removal	Excavate Culvert	B12B	2	516.25	m3	2	4	1032.5	2850.29	m3	3	12
	Long Haul Culvert	B34D	1	9	culverts	2	2	18	383	culverts	22	44
Demobilize Hazardous Materials	Load	ARK7	1.5	40	each	2	3	80	7389	each	93	279
	Short Haul	ARK8	1	80	each	2	2	160	7389	each	47	94
Fill Application	Spread Fill Material	B10M	1.5	3030	m3	1	1.5	3030	30726	m3	11	16.5
	Compaction	B10Y	1.5	2485	m3	1	1.5	2485	30726	m3	13	19.5
	Excavation of Fill Material	B12D	2	2293.75	m3	1	2	2293.75	30726	m3	14	28
	Haul Fill Material	B34G	1	682.5	m3	3	3	2047.5	30726	m3	16	48
	Drilling and Blasting Rock	B47	3	1440	m3	2	6	2880	30726	m3	11	66
Foldaway Building Teardwon - Contaminated	Short Haul Building	B34D	1	50	m2	2	2	100	8567	m2	86	172
	Demolition and Load	L10	3	50	m2	3	9	150	8567	m2	58	522
Foldaway Building Teardwon - Not Contaminated	Short Haul Building	B34D	1	173.75	m2	2	2	347.5	1672	m2	5	10
	Demolition and Load	L10	3	173.75	m2	3	9	521.25	1672	m2	4	36
Grade and Contour	Dozing Ripped Material	B10X	1.5	3212.5	m3	6	9	19275	2881069	m2	150	1350
	Rip Areas	B11S	1.5	11470	m3	6	9	68820	2881069	m2	42	378
Grade and Contour Significantly Disturbed Areas	Dozing Ripped Material	B10X	1.5	2141.6625	m3	6	9	12850	188533	m2	15	135
	Rip Areas	B11S	1.5	7646.675	m3	6	9	45880	188533	m2	5	45
Incinerator	Disassemble/Decontaminate	ARK4	4	0.62	each	4	16	2.48	2	each	1	16



Reclamation Activity	Sub-Activity	Crew	Number of Persons	Daily Output	Unit3	No. of Crew	Total Persons	Total Output	Quantity	Unit2	Days	Person Days
	Load	ARK5	3	2.667	each	2	6	5.334	2	each	1	6
	Haul	ARK8	1	0.889	each	2	2	1.778	2	each	2	4
Liner Removal	Short Haul Liner	B34D	1	1550	m2	2	2	3100	111350	m2	36	72
	Liner Removal	B47H	4	1550	m2	2	8	3100	111350	m2	36	288
Modular Building Teardown - Contaminated	Demolition, Load and Dispose	В3	6	82.7625	m3	6	36	496.575	2828	m2	6	216
Modular Building Teardown - Not Contaminated	Demolition, Load and Dispose	В3	6	248.275	m2	6	36	1489.65	14401	m2	10	360
Remove Airstrip Lighting	Loading and Hauling	B17	4	114.6875	m3	1	4	114.6875	4000	m	35	140
	Disassemble	B20	3	114.3	m	4	12	457.2	4000	m	9	108
Remove Cabling	Loading and Hauling	B17	4	114.6875	m3	1	4	114.6875	13.4	m3	1	4
	Clean and Disassemble	B20	3	114.3	m	4	12	457.2	27300	m	60	720
Remove Camp Mats (Size 1)	Load/Unload	ARK5	3	25	each	2	6	50	36	each	1	6
	Haul	ARK8	1	25	each	2	2	50	36	each	1	2
Remove Camp Mats (Size 2)	Load/Unload	ARK5	3	18	each	2	6	36	67	each	2	12
	Haul	ARK8	1	18	each	2	2	36	67	each	2	4
Remove Concrete SOG Foundation	Short Haul	B34D	1	64	m2	2	2	128	9751	m2	77	154
	Demolish and Load	E18	5	64	m2	1	5	64	9751	m2	153	765
Remove Container Crossings	Excavate Container	B12B	2	20	each	2	4	40	50	containers	2	8
	Long Haul Container	B34D	1	2	containers	2	2	4	50	containers	13	26
Remove Iso-Container	Disassemble/Decontaminate	ARK2	1	8	each	4	4	32	1158	each	37	148
	Load	ARK6	2	8	each	2	4	16	1158	each	73	292
	Haul	ARK8	1	4	each	2	2	8	1158	each	145	290
Remove Large Diesel Tanks	Short Haull Tank	B34D	1	61.133	m2	2	2	122.266	1029	m2	9	18
	Demolition, Load and Dispose	L10a	7	61.133	m2	1	7	61.133	1029	m2	17	119
Remove Large Equipment	Disassemble/Decontaminate	ARK1	1.5	0.05	each	4	6	0.2	27	each	135	810



Reclamation Activity	Sub-Activity	Crew	Number of Persons	Daily Output	Unit3	No. of Crew	Total Persons	Total Output	Quantity	Unit2	Days	Person Days
	Load	ARK5	3	0.5	each	2	6	1	27	each	27	162
	Haul	ARK8	1	1	each	2	2	2	27	each	14	28
Remove Large Equipment (Assumed 3rd Party)	Load	ARK5										
	Haul	ARK8										
Remove Large Mobile Equipment	Disassemble/Decontaminate	ARK3	2	1.6	each	4	8	6.4	122	each	20	160
	Load	ARK6	2	12	each	2	4	24	122	each	6	24
	Haul	ARK8	1	3	each	2	2	6	122	each	21	42
Remove Large Mobile Equipment (Assumed 3rd Party)	Load	ARK6										
	Haul	ARK8										
Remove Largest Diesel Tanks	Short Haul Tank	B34D	1	58.762	m2	2	2	117.524	3177	m2	28	56
	Demolition, Load and Dispose	L10a	7	58.762	m2	1	7	58.762	3177	m2	55	385
Remove Light Equipment	Disassemble/Decontaminate	ARK1	1.5	1.14	each	4	6	4.56	175	each	39	234
	Load	ARK5	3	8	each	2	6	16	175	each	11	66
	Haul	ARK8	1	17.78	each	2	2	35.56	175	each	5	10
Remove Light Equipment (Assumed 3rd Party)	Load	ARK5										
	Haul	ARK8										
Remove Light Mobile Equipment	Disassemble/Decontaminate	ARK2	1	1.6	each	4	4	6.4	180	each	29	116
	Load	ARK6	2	24	each	2	4	48	180	each	4	16
	Haul	ARK8	1	12	each	2	2	24	180	each	8	16
Remove Light Mobile Equipment (Assumed 3rd Party)	Load	ARK6										
	Haul	ARK8										
Remove Medium Diesel Tanks	Short Haull Tank	B34D	1	64.3145	m2	2	2	128.629	467	m2	4	8



Reclamation Activity	Sub-Activity	Crew	Number of Persons	Daily Output	Unit3	No. of Crew	Total Persons	Total Output	Quantity	Unit2	Days	Person Days
	Demolition, Load and Dispose	L10a	7	64.3145	m2	1	7	64.3145	467	m2	8	56
Remove Medium Equipment	Disassemble/Decontaminate	ARK1	1.5	0.44	each	4	6	1.76	130	each	74	444
	Load	ARK5	3	4	each	2	6	8	130	each	17	102
	Haul	ARK8	1	8.89	each	2	2	17.78	130	each	8	16
Remove Medium Mobile Equipment	Disassemble/Decontaminate	ARK2	1	1.14	each	4	4	4.56	84	each	19	76
	Load	ARK6	2	24	each	2	4	48	84	each	2	8
	Haul	ARK8	1	4	each	2	2	8	84	each	11	22
Remove Medium Mobile Equipment (Assumed 3rd Party)	Load	ARK6										
	Haul	ARK8										
Remove Miscellaneous	Load	ARK7	1.5	50	each	2	3	100	385	each	4	12
	Haul	ARK8	1	50	each	2	2	100	385	each	4	8
Remove Non-Fuel Medium Storage Tanks	Demolition, Load and Dispose	B34Q	3	1	each	1	3	1	16	each	16	48
Remove Non-Fuel Small Storage Tanks	Demolition, Load and Dispose	B34P	3	2	each	1	3	2	32	each	16	48
Remove Piping	Loading and Hauling	B17	4	114.6875	m3	1	4	114.6875	110.51	m3	1	4
	Clean and Disassemble	B20	3	57.15	m	4	12	228.6	19623	m	86	1032
Remove Potable Water	Disassemble/Decontaminate	ARK4	4	0.62	each	4	16	2.48	2	each	1	16
	Load	ARK5	3	2.67	each	2	6	5.34	2	each	1	6
	Haul	ARK8	1	0.89	each	2	2	1.78	2	each	2	4
Remove Precast Concrete Foundations	Short Haul	B34D	1	50	m3	2	2	100	6032	m3	61	122
	Remove and Load	B80B	4	72.0125	m3	1	4	72.0125	6032	m3	84	336
Remove Sewage Treatment Plant	Disassemble/Decontaminate	ARK4	4	0.62	each	4	16	2.48	2	each	1	16
	Load	ARK5	3	2	each	2	6	4	2	each	1	6



Reclamation Activity	Sub-Activity	Crew	Number of Persons	Daily Output	Unit3	No. of Crew	Total Persons	Total Output	Quantity	Unit2	Days	Person Days
	Haul	ARK8	1	0.67	each	2	2	1.34	2	each	2	4
Remove Small Diesel Tanks	Demolition, Load and Dispose	B14	6	4	each	1	6	4	29	each	8	48
	Short Haull Tank	B34D	1	1.78	each	2	2	3.56	29	each	9	18
Remove Timber Cribbing	Disassemble/Decontaminate	ARK2	1	118.67	m2	4	4	474.68	16068	m2	34	136
	Haul	ARK8	1	158.54	m2	2	2	317.08	16068	m2	51	102
Soft Walled Building Teardwon - Contaminated	Short Haul Building	B34D	1	50	m2	2	2	100	2562	m2	26	52
	Demolition and Load	L10	3	50	m2	3	9	150	2562	m2	18	162
Soft Walled Building Teardwon - Not Contaminated	Short Haul Building	B34D	1	173.75	m2	2	2	347.5	9279	m2	27	54
	Demolition and Load	L10	3	173.75	m2	3	9	521.25	9279	m2	18	162
Truck Wash Building	Short Haul Building	B34D	1	50	m2	2	2	100	1004	m2	11	22
	Demolition and Load	L10	3	50	m2	3	9	150	1004	m2	7	63
											2434	12865