ARCTIC CANADIAN DIAMOND COMPANY

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20 April 2023

Mason Mantla
Chair
Wek'èezhìi Land and Water Board
#1, 4905 – 48th Street
Yellowknife, NT
X1A 3S3

RE: W2020L2-0004 – GNWT-ENR Request for Review of Ekati Diamond Mine Reclamation Securities – Land Use Permit and Water Licence Amendment Requests

Dear Mr. Mantla:

Arctic Canadian Diamond Company (Arctic Canadian) is submitting the attached information in response to the direction and applicable Wek'èezhìi Land and Water Board (WLWB or the Board) Decisions within the Reasons for Decision document on the GNWT Request Ekati Diamond Mine Security Review distributed on March 21, 2023[1]. Formal amendments requests are being submitted as an administrative requirement so as to fulfill the WLWB's decisions and directives and to complete the amendment process for a security adjustment within the following noted documents.

- W2021X0004 Land Use Permit - (Point Lake Early Works)
- W2021D0005 Land Use Permit - (Point Lake Development)
- W2017D0004 Land Use Permit - (Misery Underground Development)
- W20202L2-0004 Ekati Diamond Mine Water Licence

Background

On 7 November 2022, GNWT submitted the request for a public review and update of the Ekati Diamond Mine reclamation security based on the current site-wide liability. Leading up to this review Arctic Canadian and GNWT-ENR undertook multiple engagement sessions to ensure alignment on as many items as possible. On December 23, 2022, Arctic Canadian submitted a Response to the Request for WLWB consideration and a closure cost estimate (i.e., RECLAIM).

The Board met on March 9, 2023 to consider the Government of the Northwest Territories – Department of Environmental and Natural Resources (GNWT-ENR)'s Request for a site-wide security update for Arctic Canadian's Ekati Diamond Mine. As detailed in the Reasons for Decision, the Board has accepted the GNWT's recommendations regarding security and provided the following security related decisions:

1. Security has been set to reflect Security Adjustments #1 and 2;

2. Arctic is to submit a RECLAIM estimate to reflect Security Adjustments #1 and 2 as changes to its submitted RECLAIM for conformity by Board staff within 30 days of this decision. This should be accompanied by the necessary requests to update the Water Licence and amend relevant Permits

[1] Ekati – GNWT Request Ekati Diamond Mine Security Review – Reasons For Decision

As a result of the above security related WLWB Decisions on the GNWT Review of the RECLAIM estimate, Arctic Canadian is submitting the following items:

- W2021X0004 Land Use Permit - (Point Lake Early Works) – Permit Amendment Request
- W2021D0005 Land Use Permit - (Point Lake Development) – Permit Amendment Request
- W2017D0004 Land Use Permit - (Misery Underground Development) – Permit Amendment Request
- Recommended updates to Schedule 2 of Water Licence W2020L2-0004
- Updated RECLAIM estimate that includes the recent security Decision

W2021X0004 Land Use Permit - (Point Lake Early Works)

Arctic Canadian submits a Land Use Permit amendment request (see Appendix A) to amend condition 45 within the existing LUP W2021X0004 to align the reclamation security posting with the recent Board decision. This is the only change being requested for LUP W2021X0004. Arctic Canadian suggests the following wording for the amended Condition 45 relating to Security Deposit:

> 45. Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of $57,677.

W2021D0005 Land Use Permit - (Point Lake Development)

On August 22, 2022, the Board granted final clearance of LUP W2013D0007 for the Jay Development because the requirements of the MVLUR and the conditions of the Permit W2013D0007 have been met, and the Inspector has recommended final clearance[2]. Following recent security Decision, an amount of $463,593 needs to be carried under another mechanism.

Arctic Canadian engaged with GNWT representatives and Board staff on April 5, 2023 to determine the appropriate mechanism for posting the remaining security associated with the Jay Project. During this meeting consensus was reached that the Point Lake LUP W2021D0005 was the correct authorization to maintain remaining security amounts. Based on this engagement the appropriate security amount for LUP W2021D0005 should include $1,831,074 for Point Lake with an addition $463,593 carried over from the former Jay Development LUP W2013D0007. All relevant conditions from the former LUP W2013D0007 which were considered applicable to current and future operations at the nearby Point Lake Development were incorporated into LUP W2021D0005.

Arctic Canadian submits a Land Use Permit amendment request (see Appendix B) to amend condition 48 within the existing LUP W2021D0005 to align the reclamation security posting with the recent Board decision. This is the only change being requested for LUP W2021D0005.

Arctic Canadian suggests the following wording for the amended Condition 48 relating to Security Deposits:

> 48. Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of CDN $2,294,667.

[2] Ekati Jay Development – Letter of Clearance – Mining Exploration – Mine Shaft – Lac du Sauvage,

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W2017D0004 Land Use Permit - (Misery Underground Development)

Arctic Canadian submits a Land Use Permit amendment request (see Appendix C) to amend condition 27 within the existing LUP W2017D0004 to align the reclamation security posting with the recent Board decision. This is the only change being requested for LUP W2017D0004. Arctic Canadian suggests the following wording for the amended Condition 27 relating to Security Deposits:

> 27. Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of $1,453,799.

W20202L2-0004 Schedule 2

Arctic Canadian's recommended update to Schedule 2 is attached (See Appendix D) and sets the Current Ekati Disturbances amount to be held at $289,475,441. This is the only change being requested to Water Licence W2020L2-0004.

Updated RECLAIM Estimate

As per WLWB Decision 2 for GNWT Request Ekati Diamond Mine Security Review, an updated copy of the RECLAIM estimate can be found in Appendix E. Arctic Canadian distributed the updated RECLAIM estimate to the GNWT for review prior to this submission. The GNWT reviewed the estimate as submitted and confirmed that all required changes to security have been incorporated.

Closing

Arctic Canadian trusts the information provided is clear and informative. If you have any questions or concerns, please contact the undersigned at 403-910-1933 Ext 2406 or Kurtis.Trefry@arcticcanadian.ca or Harry O'Keefe, Superintendent – Environment Operations, at 867-445-3185 or Harry.O'Keefe@arcticcanadian.ca.

Sincerely,

Kurtis Trefry M.SEM, P.Ag

Team Leader – Environmental Management and Reporting

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APPENDIX A:

POINT LAKE EARLY WORKS LAND USE PERMIT (W2021X0004) AMENDMENT REQUEST

Record #: HSE RCD ENV: 1832
Document Owner: Environment Department
Date: 20 April 2023

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#1, 4905 – 48th Street
Yellowknife, NT
X1A 3S3

RE: W2021X0004 Land Use Permit (Point Lake Early Works) – Permit Amendment Request

Dear Mr. Mantla:

Arctic Canadian Diamond Company Ltd. (Arctic Canadian) is formally requesting amendment of Part C, Condition 45 of LUP W2021X0004 (Point Lake Early Works). Arctic Canadian suggests the following wording for the amended Condition 45 relating to Security Deposit:

> *45. Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of $57,677.*

Reason for proposed amendment

The proposed amendment will align with the Wek'èezhìi Land and Water Board (WLWB or the Board) Decisions within the Reasons for Decision document on the GNWT Request Ekati Diamond Mine Security Review distributed on March 21, 2023[1].

Potential environmental impacts

There are no potential environmental impacts associated with this proposed amendment.

Engagement

The GNWT request for security review and all associated documents went through a public review process on the Board Online Review System. All parties were given the opportunity to review associated documents and provide comments. The proposed amendment is in response to Board Directives from the recent Reasons for Decision[1].

Updated cost estimate

An updated copy of the RECLAIM estimate can be found in Appendix E.

Plans affected by the amendment

No plans require updating based on the proposed amendment.

[1] Ekati – GNWT Request Ekati Diamond Mine Security Review – Reasons For Decision

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Preliminary Screening and Environmental Assessment

This formal amendment request is being submitted as an administrative requirement so as to fulfill the WLWB's decisions and directives to complete the amendment process for a security adjustment. Arctic Canadian is of the view that this administrative requirement should be exempt from the preliminary screening process as there are no other changes proposed and all requirements have previously been met.

Closing

Arctic Canadian trusts the information provided is clear and informative. If you have any questions or concerns, please contact the undersigned at 403-910-1933 Ext 2406 or Kurtis.Trefry@arcticcanadian.ca or Harry O'Keefe, Superintendent – Environment Operations, at 867-445-3185 or Harry.O'Keefe@arcticcanadian.ca.

Sincerely,

Kurtis Trefry M.SEM, P.Ag

Team Leader – Environmental Management and Reporting

ARCTIC CANADIAN DIAMOND COMPANY

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Appendix B:

Point Lake Land Use Permit (W2021D0005) Amendment Request

Record #: HSE RCD ENV: 1832
Document Owner: Environment Department
Date: 20 April 2023

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20 April 2023

Mason Mantla
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#1, 4905 – 48th Street
Yellowknife, NT
X1A 3S3

RE: W2021D0005 Land Use Permit (Point Lake Development) – Permit Amendment Request

Dear Mr. Mantla:

Arctic Canadian Diamond Company Ltd. (Arctic Canadian) is formally requesting amendment of Condition 48 of LUP W2021D0005 (Point Lake Development). Arctic Canadian suggests the following wording for the amended Condition 48 relating to Security Deposit:

> *48. Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of $2,294,667.*

This is the only change being requested for LUP W2021D0005.

Reason for proposed amendment

On August 22, 2022, the Wek'èezhìi Land and Water Board (WLWB or the Board) granted final clearance of LUP W2013D0007 for the Jay Development because the requirements of the *Mackenzie Valley Land Use Regulations* and the conditions of the Permit W2013D0007 have been met, and the Inspector has recommended final clearance[1]. Following recent security Decision, an amount of $463,593 needs to be carried under another mechanism.

Arctic Canadian engaged with GNWT representatives and Board staff on April 5, 2023 to determine the appropriate mechanism for posting the remaining security associated with the Jay Project. During this meeting consensus was reached that the Point Lake LUP W2021D005 was the correct authorization to maintain remaining security amounts. Based on this engagement the appropriate security amount for LUP W2021D0005 should include $1,831,074 for Point Lake with an additional $463,593 carried over from the former Jay Development LUP W2013D0007. All relevant conditions from expired LUP W2013D0007 which were considered applicable to current and future operations at the nearby Point Lake Development were incorporated into LUP W2021D0005.

The proposed amendment will align with Board Decisions within the Reasons for Decision document on the GNWT Request Ekati Diamond Mine Security Review distributed on March 21, 2023[2].

[1] Ekati Jay Development – Letter of Clearance – Mining Exploration – Mine Shaft – Lac du Sauvage,
[2] Ekati – GNWT Request Ekati Diamond Mine Security Review – Reasons For Decision

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Potential environmental impacts

There are no potential environmental impacts associated with this proposed amendment.

Engagement

The GNWT request for security review and all associated documents went through a public review process on the Board Online Review System. All parties were given the opportunity to review associated documents and provide comments. The proposed amendment is a result of Board Directives from the recent Reasons for Decision[1].

Updated cost estimate

An updated copy of the RECLAIM estimate can be found in Appendix E of this submission.

Plans affected by the amendment

No plans require updating based on the proposed amendment.

Preliminary Screening and Environmental Assessment

This formal amendment request is being submitted as an administrative requirement to fulfill the WLWB's decisions and directives to complete the amendment process for a security adjustment. Arctic Canadian is of the view that this administrative requirement should be exempt from the preliminary screening process as there are no other changes proposed and all requirements have previously been met.

Closing

Arctic Canadian trusts the information provided is clear and informative. If you have any questions or concerns, please contact the undersigned at 403-910-1933 Ext 2406 or Kurtis.Trefry@arcticcanadian.ca or Harry O'Keefe, Superintendent – Environment Operations, at 867-445-3185 or Harry.O'Keefe@arcticcanadian.ca.

Sincerely,

Kurtis Trefry M.SEM, P.Ag

Team Leader – Environmental Management and Reporting

ARCTIC CANADIAN DIAMOND COMPANY

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Appendix C:

Misery Underground Land Use Permit (W2017D0004) Amendment Request

Record #: HSE RCD ENV: 1832
Document Owner: Environment Department
Date: 20 April 2023

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20 April 2023

Mason Mantla
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#1, 4905 – 48th Street
Yellowknife, NT
X1A 3S3

RE: W2017D0004 Land Use Permit (Misery Underground Development) – Permit Amendment Request

Dear Mr. Mantla:

Arctic Canadian Diamond Company Ltd. (Arctic Canadian) is formally requesting amendment of Part C, Condition 27 of LUP W2017D0004 (Misery Underground). Arctic Canadian suggests the following wording for the amended Condition 27 relating to Security Deposit:

> *27. Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of $1,453,799.*

This is the only change being requested for LUP W2017D0004.

Reason for proposed amendment

The proposed amendment will align with the Wek'èezhìi Land and Water Board (the Board) Decisions within the Reasons for Decision document on the GNWT Request Ekati Diamond Mine Security Review distributed on March 21, 2023[1].

Potential environmental impacts

There are no potential environmental impacts associated with this proposed amendment.

Engagement

The GNWT request for security review and all associated documents went through a public review process on the Board Online Review System. All parties were given the opportunity to review associated documents and provide comments. The proposed amendment is in response to the Board Directives from the recent Reasons for Decision[1].

Updated cost estimate

An updated copy of the RECLAIM estimate can be found in Appendix E of this submission.

[1] Ekati – GNWT Request Ekati Diamond Mine Security Review – Reasons For Decision

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Plans affected by the amendment

No plans require updating based on the proposed amendment.

Preliminary Screening and Environmental Assessment

This formal amendment request is being submitted as an administrative requirement to fulfill the WLWB's decisions and directives to complete the amendment process for a security adjustment. Arctic Canadian is of the view that this administrative requirement should be exempt from the preliminary screening process as there are no other changes proposed and all requirements have previously been met.

Closing

Arctic Canadian trusts the information provided is clear and informative. If you have any questions or concerns, please contact the undersigned at 403-910-1933 Ext 2406 or Kurtis.Trefry@arcticcanadian.ca or Harry O'Keefe, Superintendent – Environment Operations, at 867-445-3185 or Harry.O'Keefe@arcticcanadian.ca.

Sincerely,

Kurtis Trefry M.SEM, P.Ag

Team Leader – Environmental Management and Reporting

ARCTIC CANADIAN DIAMOND COMPANY

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Appendix D:

Proposed Updates to Schedule 2 of Water Licence W2020L2-0004

Record #: HSE RCD ENV: 1832
Document Owner: Environment Department
Date: 20 April 2023

Schedule 2
Part C: Conditions Applying to Security Deposits

1. In accordance with subsection 35(1) of the Act and Part C of this Licence, the Licensee shall post and maintain:
    a) a security deposit of CDN $289,475,441; and
    b) additional security deposits on the following schedule:
        i. In advance of overburden/waste rock placement for Point Lake, the Licensee shall post and maintain an additional $13,560,748; and
        ii. In advance of 40% pit minded by volume for Point Lake, the Licensee shall post and maintain an additional $13,560,748.

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Appendix E:

RECLAIM Estimate

Record #: HSE RCD ENV: 1832
Document Owner: Environment Department
Date: 20 April 2023

SUMMARY OF COSTS				
OPEN PITS		**GNWT Review - Decision**	**Point Lake Project (June 2022)**	**Change**
Misery		$10,479,184	$5,060,996	$ 5,418,188
Pigeon		$6,007,063	$5,559,861	$ 447,201
Sable		$8,006,842	$7,160,292	$ 846,550
Beartooth		$5,161,103	$4,872,553	$ 288,550
Fox		$11,852,262	$10,391,879	$ 1,460,383
Panda		$5,047,089	$4,719,876	$ 327,213
Koala North		$3,336,818	$3,048,402	$ 288,415
Koala		$2,463,775	$2,233,619	$ 230,156
Lynx		$2,852,844	$2,624,554	$ 228,290
Jay		$0	$2,784,151	-$ 2,784,151
Point Lake		$5,216,957	$5,099,423	$ 117,533
OPEN PIT TOTAL:		**$60,423,936**	**$53,555,607**	$ 6,868,329
TAILINGS				$ -
Cell A		$10,863,640	$10,364,446	$ 499,194
Cell B		$10,305,849	$9,835,643	$ 470,206
Cell C		$13,480,413	$12,869,242	$ 611,171
Cell D		$102,074	$97,836	$ 4,238
Cell E		$498,717	$482,419	$ 16,298
Phase 1		$384,338	$375,948	$ 8,390
TAILINGS TOTAL		**$35,635,031**	**$34,025,534**	$ 1,609,498
ROCK PILES				$ -
Fox WRSA		$4,808,932	$4,600,808	$ 208,125
Misery WRSA		$3,224,791	$3,085,511	$ 139,279
Panda/Koala Beartooth WRSA		$13,573,128	$12,983,409	$ 589,719
Pigeon WRSA		$20,462,817	$19,591,819	$ 870,998
Sable WRSA		$895,752	$858,559	$ 37,193
Lynx WRSA		$205,359	$196,832	$ 8,527
Jay WRSA		$0	$10,907,422	-$ 10,907,422
Point Lake WRSA		$21,253,489	$15,903,630	$ 5,349,858
ROCK PILE TOTAL		**$64,424,267**	**$68,127,991**	-$ 3,703,723
BUILDINGS AND EQUIPMENT		**$19,731,145**	**$19,381,043**	$ 350,102
WATER MANAGEMENT		**$2,573,719**	**$4,975,301**	-$ 2,401,583
CHEMICALS AND SOIL CONTAMINATION		**$2,735,694**	**$3,084,482**	-$ 348,789
UNDERGROUND MINE				$ -
Panda		$230,449	$221,686	$ 8,764
Koala		$163,919	$157,686	$ 6,234
Panda		$230,449	$221,686	$ 8,764
Misery Underground		$81,960	$78,843	$ 3,117
UNDERGROUND MINE TOTAL		**$706,777**	**$679,900**	$ 26,877
SUBTOTAL		**$186,230,569**	**$183,829,858**	$ 2,400,711
MOBILIZATION/DEMOBILIZATION		**$65,649,783**	**$56,294,162**	$ 9,355,621
POST-CLOSURE MONITORING AND MAINTENANCE		**$16,772,886**	**$18,370,911**	-$ 1,598,025
RESIDUAL RISK		**$2,534,824**	**$2,438,429**	$ 96,395
PROJECT MANAGEMENT	5%	**$9,311,528.47**	**$9,191,492.90**	$ 120,036
ENGINEERING	5%	**$9,311,528.47**	**$9,191,492.90**	$ 120,036
HEALTH AND SAFETY PLANS/MONITORING & QA/QC	0.5%	**$931,152.85**	**$919,149.29**	$ 12,004
BONDING/INSURANCE	0.5%	**$931,152.85**	**$919,149.29**	$ 12,004
CONTINGENCY (Open Pit Flooding) - Pump Capital	10%	**$3,107,527**	**$2,276,272**	$ 831,254
CONTINGENCY (Open Pit Flooding) - Pipe & Installation	15%	**$1,688,962**	**$1,484,725**	$ 204,238
CONTINGENCY (Capping)	15%	**$12,768,255**	**$9,771,170**	$ 2,997,085
CONTINGENCY (Buildings Decommissioning)	15%	**$1,769,579**	**$1,835,985**	-$ 66,406
CONTINGENCY (Other Reclamation Activities)	20%	**$9,395,332**	**$14,757,588**	-$ 5,362,256
RECLAIM ESTIMATE GRAND TOTAL		**$320,403,080**	**$311,280,384**	$ 9,122,696

Current Ekati Disturbances	**Water**	**Land**
W20202L2-0004 Ekati Water Licence	$289,475,441	----
W2021X0004 Land Use Permit - (Point Lake Early Works)	----	$57,677
W2021D0005 Land Use Permit - (Point Lake Development)	----	$2,294,667
W2017D0004 Land Use Permit - (Misery Underground Development)	----	$1,453,799
Subtotal:	**$289,475,441**	**$3,806,143**

Future Ekati Disturbances	**Water**	**Land**
Point Lake Phase 2: In advance of overburden/waste rock	$13,560,748	----
Point Lake Phase 3: In advance of 40% pit minded by volume for	$13,560,748	----
Subtotal:	**$27,121,496**	**$0**

	Open Pit Name:	***Misery***				Pit # ***1***
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**
1	OBJECTIVE: CONTROL ACCESS					
2	Fence and Signs_01-Misery - Access	each	1.	FSS	$ 11,251.98	$ 11,252
3	Berm at Crest_01-Misery - Access	m3	38,858.36	SBSBS	$ 4.48	$ 174,210
4	Block Roads (20 m ramp length)_01-Misery - Access	m3	9,000.	RCSS	$ 8.44	$ 75,951
5	Dozing _01-Misery - Access	m3	9,000.	DSL	$ 1.05	$ 9,456
6	OBJECTIVE: CONSTRUCT LITORAL ZONES					
7	Blast Rim_01-Misery - Lit Zone	m3	122,710.61	RCSS	$ 8.44	$ 1,035,553
8	Dozing _01-Misery - Lit Zone	m3	79,761.9	DSL	$ 1.05	$ 83,800
9	Substrate Produce and Place_01-Misery - Lit Zone	m3	12,271.06	SCSTS	$ 26.63	$ 326,717
10	Sediment Berm Produce and Place_01-Misery - Lit Zo	m3	1,227.11	SCSBS	$ 28.27	$ 34,692
11	Vegetation_01-Misery - Lit Zone	ha	1.	VHFL	$ 4,424	$ 4,424
12	OBJECTIVE: WATER MANAGEMENT					
13	Outflow Channel _01-Misery	m3	80.	PDR_OP_04S	$ 204	$ 16,340
14	Spillway Construction_01-Misery	m3	0.	#N/A	$ -	$ -
15	Concrete Weir Construction_01-Misery	m3	0.	#N/A	$ -	$ -
16	OBJECTIVE: LOWER LYNX PIT					
17	MUG Provisional Amount_01-Misery	kwh	776,949.21	PDR_OP_03S	$ 0	$ 339,236
18	OBJECTIVE: LOWER & BACKFLOOD MISERY PIT					
19	Pump Purchase_01-Misery	each	0.	PDR_OP_22S	$ 248,448.02	$ -
20	Pipe Puchase and Install_01-Misery	m	2,000.	PDR_OP_11S	$ 729.75	$ 1,459,502
21	Pump Maintenance_01-Misery	yr*m	15.	PDR_OP_21S	$ 25,988.29	$ 389,824
22	Pump Fuel _01-Misery	litre	6,097,500.	FLONAS	$ 1.07	$ 6,518,228
23						
					Subtotal	**$ 10,479,184**

	Open Pit Name:	***Pigeon***				Pit #	***2***
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
24	OBJECTIVE: CONTROL ACCESS						
25	Fence and Signs_02-Pigeon - Access	each	1.	FSS	$ 11,251.98	$ 11,252	
26	Berm at Crest_02-Pigeon - Access	m3	25,069.91	SBSBS	$ 4.48	$ 112,393	
27	Block Roads (20 m ramp length)_02-Pigeon	m3	9,000.	RCSS	$ 8.44	$ 75,951	
28	Dozing _02-Pigeon - Access	m3	9,000.	DSL	$ 1.05	$ 9,456	
29	OBJECTIVE: CONSTRUCT LITORAL ZONES						
30	Blast Rim_02-Pigeon - Lit Zone	m3	79,168.13	RCSS	$ 8.44	$ 668,099	
31	Dozing _02-Pigeon - Lit Zone	m3	51,459.29	DSL	$ 1.05	$ 54,064	
32	Substrate Produce and Place_02-Pigeon - L	m3	7,916.81	SCSTS	$ 26.63	$ 210,785	
33	Sediment Berm Produce and Place_02-Pige	m3	791.68	SCSBS	$ 28.27	$ 22,382	
34	Vegetation_02-Pigeon - Lit Zone	ha	1.	VHFL	$ 4,423.68	$ 4,424	
35	OBJECTIVE: WATER MANAGEMENT						
36	Outflow Channel _02-Pigeon	m3	45.	PDR_OP_05S	$ 88.95	$ 4,003	
37	Spillway Construction_02-Pigeon	m3	0.	#N/A	$ -	$ -	
38	Concrete_02-Pigeon	m3	0.	#N/A	$ -	$ -	
39							
40							
41	OBJECTIVE: FLOOD PIT						
42	Pump Purchase_02-Pigeon	each	2.	PDR_OP_22S	$ 248,448.02	$ 496,896	
43	Pipe Puchase and Install_02-Pigeon	m	3,700.	PDR_OP_12S	$ 524.44	$ 1,940,441	
44	Pump Maintenance_02-Pigeon	yr*m	5.	PDR_OP_21S	$ 25,988.29	$ 129,941	
45	Pump Fuel _02-Pigeon	litre	1,663,000.	FLONAS	$ 1.07	$ 1,777,747	
46	Access Road_02-Pigeon	m	1,600.	PDR_OP_01S	$ 305.77	$ 489,228	
					Subtotal	**$ 6,007,063**	

	Open Pit Name:	***Sable***				**Pit #**	***3***
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
47	OBJECTIVE: CONTROL ACCESS						
48	Fence and Signs_03-Sable - Access	each	1.	FSS	$ 11,251.98	$ 11,252	
49	Berm at Crest_03-Sable - Access	m3	37,604.86	SBSBS	$ 4.48	$ 168,590	
50	Block Roads (20 m ramp length)_03-Sable -	m3	9,000.	RCSS	$ 8.44	$ 75,951	
51	Dozing _03-Sable - Access	m3	9,000.	DSL	$ 1.05	$ 9,456	
52	OBJECTIVE: CONSTRUCT LITORAL ZONES						
53	Blast Rim_03-Sable - Lit Zone	m3	118,752.2	RCSS	$ 8.44	$ 1,002,148	
54	Dozing _03-Sable - Lit Zone	m3	77,188.93	DSL	$ 1.05	$ 81,096	
55	Substrate Produce and Place_03-Sable - Lit	m3	11,875.22	SCSTS	$ 26.63	$ 316,178	
56	Sediment Berm Produce and Place_03-Sab	m3	1,187.52	SCSBS	$ 28.27	$ 33,573	
57	Vegetation_03-Sable - Lit Zone	ha	1.	VHFL	$ 4,423.68	$ 4,424	
58	OBJECTIVE: WATER MANAGEMENT						
59	Outflow Channel _03-Sable	m3	45.	PDR_OP_06S	$ 88.95	$ 4,003	
60	Spillway Construction_03-Sable	m3	0.	#N/A	$ -	$ -	
61	Concrete Weir Construction_03-Sable	m3	0.	#N/A	$ -	$ -	
62							
63							
64	OBJECTIVE: FLOOD PIT						
65	Pump Purchase_03-Sable	each	1.	PDR_OP_22S	$ 248,448.02	$ 248,448	
66	Pipe Puchase and Install_03-Sable	m	4,000.	PDR_OP_13S	$ 178.80	$ 715,198	
67	Pump Maintenance_03-Sable	yr*m	13.	PDR_OP_21S	$ 25,988.29	$ 337,848	
68	Pump Fuel _03-Sable	litre	4,390,000.	FLONAS	$ 1.07	$ 4,692,910	
69	Access Road_03-Sable	m	1,000.	PDR_OP_01S	$ 305.77	$ 305,768	
					Subtotal	**$ 8,006,842**	

	Open Pit Name:	***Beartooth***				Pit #	***4***
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
70	OBJECTIVE: CONTROL ACCESS						
71	Fence and Signs_04-Beartooth - Access	each	1.	FSS	$ 11,251.98	$ 11,252	
72	Berm at Crest_04-Beartooth - Access	m3	26,323.4	SBSBS	$ 4.48	$ 118,013	
73	Block Roads (20 m ramp length)_04-Beartoo	m3	9,000.	RCSS	$ 8.44	$ 75,951	
74	Dozing _04-Beartooth - Access	m3	9,000.	DSL	$ 1.05	$ 9,456	
75	OBJECTIVE: CONSTRUCT LITORAL ZONES						
76	Blast Rim_04-Beartooth - Lit Zone	m3	83,126.54	RCSS	$ 8.44	$ 701,504	
77	Dozing _04-Beartooth - Lit Zone	m3	54,032.25	DSL	$ 1.05	$ 56,768	
78	Substrate Produce and Place_04-Beartooth	m3	8,312.65	SCSTS	$ 26.63	$ 221,324	
79	Sediment Berm Produce and Place_04-Bea	m3	831.27	SCSBS	$ 28.27	$ 23,501	
80	Vegetation_04-Beartooth - Lit Zone	ha	1.	VHFL	$ 4,423.68	$ 4,424	
81	OBJECTIVE: WATER MANAGEMENT						
82	Outflow Channel _04-Beartooth	m3	50.	PDR_OP_07S	$ 263.25	$ 13,163	
83	Spillway Construction_04-Beartooth	m3	0.	#N/A	$ -	$ -	
84	Concrete Weir Construction_04-Beartooth	m3	0.	#N/A	$ -	$ -	
85							
86							
87	OBJECTIVE: FLOOD PIT						
88	Pump Purchase_04-Beartooth	each	0.	PDR_OP_22S	$ 248,448.02	$ -	
89	Pipe Puchase and Install_04-Beartooth	m	6,300.	PDR_OP_14S	$ 524.44	$ 3,303,995	
90	Pump Maintenance_04-Beartooth	yr*m	2.	PDR_OP_21S	$ 25,988.29	$ 51,977	
91	Pump Fuel _04-Beartooth	litre	533,000.	FLONAS	$ 1.07	$ 569,777	
92							
					Subtotal	**$ 5,161,103**	

	Open Pit Name:	***Fox***				**Pit #**	***5***
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
93	OBJECTIVE: CONTROL ACCESS						
94	Fence and Signs_05-Fox - Access	each	1.	FSS	$ 11,251.98	$ 11,252	
95	Berm at Crest_05-Fox - Access	m3	56,407.3	SBSBS	$ 4.48	$ 252,885	
96	Block Roads (20 m ramp length)_05-Fox - A	m3	9,000.	RCSS	$ 8.44	$ 75,951	
97	Dozing _05-Fox - Access	m3	9,000.	DSL	$ 1.05	$ 9,456	
98	OBJECTIVE: CONSTRUCT LITORAL ZONES						
99	Blast Rim_05-Fox - Lit Zone	m3	178,128.3	RCSS	$ 8.44	$ 1,503,222	
100	Dozing _05-Fox - Lit Zone	m3	115,783.4	DSL	$ 1.05	$ 121,645	
101	Substrate Produce and Place_05-Fox - Lit Z	m3	17,812.83	SCSTS	$ 26.63	$ 474,267	
102	Sediment Berm Produce and Place_05-Fox	m3	1,781.28	SCSBS	$ 28.27	$ 50,360	
103	Vegetation_05-Fox - Lit Zone	ha	1.	VHFL	$ 4,423.68	$ 4,424	
104	OBJECTIVE: WATER MANAGEMENT						
105	Outflow Channel _05-Fox	m3	8,300.	PDR_OP_08S	$ 23.07	$ 191,452	
106	Spillway Construction_05-Fox	m3	0.	#N/A	$ -	$ -	
107	Concrete Weir Construction_05-Fox	m3	0.	#N/A	$ -	$ -	
108							
109							
110	OBJECTIVE: FLOOD PIT						
111	Pump Purchase_05-Fox	each	1.	PDR_OP_22S	$ 248,448.02	$ 248,448	
112	Pipe Puchase and Install_05-Fox	m	5,000.	PDR_OP_15S	$ 292.11	$ 1,460,542	
113	Pump Maintenance_05-Fox	yr*m	18.	PDR_OP_21S	$ 25,988.29	$ 467,789	
114	Pump Fuel _05-Fox	litre	6,530,000.	FLONAS	$ 1.07	$ 6,980,570	
115							
					Subtotal	**$ 11,852,262**	

	Open Pit Name:	***Panda***				**Pit #**	***6***
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
116	OBJECTIVE: CONTROL ACCESS						
117	Fence and Signs_06-Panda - Access	each	1.	FSS	$ 11,251.98	$ 11,252	
118	Berm at Crest_06-Panda - Access	m3	45,125.84	SBSBS	$ 4.48	$ 202,308	
119	Block Roads (20 m ramp length)_06-Panda	m3	9,000.	RCSS	$ 8.44	$ 75,951	
120	Dozing _06-Panda - Access	m3	9,000.	DSL	$ 1.05	$ 9,456	
121	OBJECTIVE: CONSTRUCT LITORAL ZONES						
122	Blast Rim_06-Panda - Lit Zone	m3	142,502.64	RCSS	$ 8.44	$ 1,202,578	
123	Dozing _06-Panda - Lit Zone	m3	92,626.72	DSL	$ 1.05	$ 97,316	
124	Substrate Produce and Place_06-Panda - Li	m3	14,250.26	SCSTS	$ 26.63	$ 379,413	
125	Sediment Berm Produce and Place_06-Pan	m3	1,425.03	SCSBS	$ 28.27	$ 40,288	
126	Vegetation_06-Panda - Lit Zone	ha	1.	VHFL	$ 4,423.68	$ 4,424	
127	OBJECTIVE: WATER MANAGEMENT						
128	Connector Channel_06-Panda	m3	48,700.	PDR_OP_02S	$ 12.01	$ 584,923	
129	Spillway Construction_06-Panda	m3	42,000.	RC1H	$ 18.86	$ 791,949	
130	Concrete Weir Construction_06-Panda	m3	225.	CSFH	$ 707.51	$ 159,190	
131							
132							
133	OBJECTIVE: FLOOD PIT						
134	Pump Purchase_06-Panda	each	0.	PDR_OP_22S	$ 248,448.02	$ -	
135	Pipe Puchase and Install_06-Panda	m	666.67	PDR_OP_16S	$ 524.44	$ 349,629	
136	Pump Maintenance_06-Panda	yr*m	3.	PDR_OP_21S	$ 25,988.29	$ 77,965	
137	Pump Fuel _06-Panda	litre	992,000.	FLONAS	$ 1.07	$ 1,060,448	
138							
	Costs Split Amongst Three Pits				**Subtotal**	**$ 5,047,089**	

	Open Pit Name:	***Koala North***				**Pit #**	***7***
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
139	OBJECTIVE: CONTROL ACCESS						
140	Fence and Signs_07-Koala North - Access	each	1.	FSS	$ 11,251.98	$ 11,252	
141	Berm at Crest_07-Koala North - Access	m3	16,922.19	SBSBS	$ 4.48	$ 75,866	
142	Block Roads (20 m ramp length)_07-Koala N	m3	9,000.	RCSS	$ 8.44	$ 75,951	
143	Dozing _07-Koala North - Access	m3	9,000.	DSL	$ 1.05	$ 9,456	
144	OBJECTIVE: CONSTRUCT LITORAL ZONES						
145	Blast Rim_07-Koala North - Lit Zone	m3	138,544.24	RCSS	$ 8.44	$ 1,169,173	
146	Dozing _07-Koala North - Lit Zone	m3	90,053.75	DSL	$ 1.05	$ 94,613	
147	Substrate Produce and Place_07-Koala Nor	m3	13,854.42	SCSTS	$ 26.63	$ 368,874	
148	Sediment Berm Produce and Place_07-Koa	m3	1,385.44	SCSBS	$ 28.27	$ 39,169	
149	Vegetation_07-Koala North - Lit Zone	ha	1.	VHFL	$ 4,423.68	$ 4,424	
150	OBJECTIVE: WATER MANAGEMENT						
151	Outflow Channel _07-Koala North	m3	0.	#N/A	$ -	$ -	
152	Drill and Blast Spillway_07-Koala North	m3	0.	#N/A	$ -	$ -	
153	Concrete Weir Construction_07-Koala North	m3	0.	#N/A	$ -	$ -	
154							
155							
156	OBJECTIVE: FLOOD PIT						
157	Pump Purchase_07-Koala North	each	0.	PDR_OP_22S	$ 248,448.02	$ -	
158	Pipe Puchase and Install_07-Koala North	m	666.67	PDR_OP_17S	$ 524.44	$ 349,629	
159	Pump Maintenance_07-Koala North	yr*m	3.	PDR_OP_21S	$ 25,988.29	$ 77,965	
160	Pump Fuel _07-Koala North	litre	992,000.	FLONAS	$ 1.07	$ 1,060,448	
161							
	Costs Split Amongst Three Pits				**Subtotal**	**$ 3,336,818**	

	Open Pit Name:	***Koala***				**Pit #**	***8***
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
162	OBJECTIVE: CONTROL ACCESS						
163	Fence and Signs_08-Koala - Access	each	1.	FSS	$ 11,251.98	$ 11,252	
164	Berm at Crest_08-Koala - Access	m3	43,872.34	SBSBS	$ 4.48	$ 196,689	
165	Block Roads (20 m ramp length)_08-Koala -	m3	9,000.	RCSS	$ 8.44	$ 75,951	
166	Dozing _08-Koala - Access	m3	9,000.	DSL	$ 1.05	$ 9,456	
167	OBJECTIVE: COVER/CONTOUR SLOPES						
168	Blast Rim_08-Koala - Slopes	m3	53,438.49	RCSS	$ 8.44	$ 450,967	
169	Dozing _08-Koala - Slopes	m3	34,735.02	DSL	$ 1.05	$ 36,493	
170	Substrate Produce and Place_08-Koala - Sl	m3	5,343.85	SCSTS	$ 26.63	$ 142,280	
171	Sediment Berm Produce and Place_08-Koa	m3	534.38	SCSBS	$ 28.27	$ 15,108	
172	Vegetation_08-Koala - Slopes	ha	1.	VHFL	$ 4,423.68	$ 4,424	
173	OBJECTIVE: WATER MANAGEMENT						
174	Outflow Channel _08-Koala	m3	2,700.	PDR_OP_09S	$ 12.26	$ 33,115	
175	Drill and Blast Spillway_08-Koala	m3	0.	#N/A	$ -	$ -	
176	Concrete Weir Construction_08-Koala	m3	0.	#N/A	$ -	$ -	
177							
178							
179	OBJECTIVE: FLOOD PIT						
180	Pump Purchase_08-Koala	each	0.	PDR_OP_22S	$ 248,448.02	$ -	
181	Pipe Puchase and Install_08-Koala	m	666.67	PDR_OP_18S	$ 524.44	$ 349,629	
182	Pump Maintenance_08-Koala	yr*m	3.	PDR_OP_21S	$ 25,988.29	$ 77,965	
183	Pump Fuel _08-Koala	litre	992,000.	FLONAS	$ 1.07	$ 1,060,448	
184							
	Costs Split Amongst Three Pits				**Subtotal**	**$ 2,463,775**	

	Open Pit Name:	*Lynx*				Pit #	*9*
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
185	OBJECTIVE: CONTROL ACCESS						
186	Fence and Signs_09-Lynx - Access	each	1.	FSS	$ 11,251.98	$ 11,252	
187	Berm at Crest_09-Lynx - Access	m3	25,069.91	SBSBS	$ 4.48	$ 112,393	
188	Block Roads (20 m ramp length)_09-Lynx - A	m3	9,000.	RCSS	$ 8.44	$ 75,951	
189	Dozing _09-Lynx - Access	m3	9,000.	DSL	$ 1.05	$ 9,456	
190	OBJECTIVE: COVER/CONTOUR SLOPES						
191	Blast Rim_09-Lynx - Slopes	m3	71,251.32	RCSS	$ 8.44	$ 601,289	
192	Dozing _09-Lynx - Slopes	m3	46,313.36	DSL	$ 1.05	$ 48,658	
193	Substrate Produce and Place_09-Lynx - Slop	m3	7,125.13	SCSTS	$ 26.63	$ 189,707	
194	Sediment Berm Produce and Place_09-Lynx	m3	712.51	SCSBS	$ 28.27	$ 20,144	
195	Vegetation_09-Lynx - Slopes	ha	1.	VHFL	$ 4,423.68	$ 4,424	
196	OBJECTIVE: WATER MANAGEMENT						
197	Outflow Channel _09-Lynx	m3	45.	PDR_OP_10	$ 88.95	$ 4,003	
198	Drill and Blast Spillway_09-Lynx	m3	0.	#N/A	$ -	$ -	
199	Concrete Weir Construction_09-Lynx	m3	0.	#N/A	$ -	$ -	
200							
201							
202	OBJECTIVE: FLOOD PIT						
203	Pump Purchase_09-Lynx	each	2.	PDR_OP_22	$ 248,448.02	$ 496,896	
204	Pipe Puchase and Install_09-Lynx	m	2,000.	PDR_OP_19	$ 178.80	$ 357,599	
205	Pump Maintenance_09-Lynx	yr*m	2.	PDR_OP_21	$ 25,988.29	$ 51,977	
206	Pump Fuel _09-Lynx	litre	813,000.	FLONAS	$ 1.07	$ 869,097	
207							
	Costs Split Amongst Three Pits				**Subtotal**	**$ 2,852,844**	

	Open Pit Name:	*Jay*				Pit #	*10*
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
208	OBJECTIVE: CONTROL ACCESS						
209	Fence and Signs_10-Jay - Access	each	0.	FSS	$ 11,251.98	$	-
210	Berm at Crest_10-Jay - Access	m3	0.	SBSBS	$ 4.48	$	-
211	Block Roads (20 m ramp length)_10-	m3	0.	RCSS	$ 8.44	$	-
212	Dozing _10-Jay - Access	m3	0.	DSL	$ 1.05	$	-
213	OBJECTIVE: COVER/CONTOUR SLOPES						
214							
215							
216							
217							
218							
219	OBJECTIVE: WATER MANAGEMENT						
220							
221							
222							
223							
224							
225	OBJECTIVE: FLOOD PIT						
226	Pump Purchase_10-Jay	each	0.	PDR_OP_22	$ 248,448.02	$	-
227	Pipe Puchase and Install_10-Jay	m	0.	PDR_OP_20	$ 729.75	$	-
228	Pump Maintenance_10-Jay	yr*m	0.	PDR_OP_21	$ 25,988.29	$	-
229	Pump Fuel _10-Jay	litre	0.	FLONAS	$ 1.07	$	-
230							
					Subtotal	**$**	**0**

	Open Pit Name:	*Point Lake*				Pit #	*11*
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
231	OBJECTIVE: CONTROL ACCESS						
232	Fence and Signs_11-Point Lake - Ac	each	1.	FSS	$ 11,251.98	$ 11,252	
233	Berm at Crest_11-Point Lake - Acces	m3	37,604.86	SBSBS	$ 4.48	$ 168,590	
234	Block Roads (20 m ramp length)_11-	m3	9,000.	RCSS	$ 8.44	$ 75,951	
235	Dozing _11-Point Lake - Access	m3	9,000.	DSL	$ 1.05	$ 9,456	
236	OBJECTIVE: COVER/CONTOUR SLOPES						
237	Blast Rim_11-Point Lake - Slopes	m3	118,753.	RCSS	$ 8.44	$ 1,002,155	
238	Dozing _11-Point Lake - Slopes	m3	77,189.45	DSL	$ 1.05	$ 81,097	
239	Substrate Produce and Place_11-Poi	m3	11,876.	SCSTS	$ 26.63	$ 316,199	
240	Sediment Berm Produce and Place_	m3	1,188.	SCSBS	$ 28.27	$ 33,587	
241	Vegetation_11-Point Lake - Slopes	ha	1.	VHFL	$ 4,423.68	$ 4,424	
242	OBJECTIVE: WATER MANAGEMENT						
243	Outflow Channel _11-Point Lake	m3	45.	PDR_OP_23	$ 88.95	$ 4,003	
244	Drill and Blast Spillway_11-Point Lak	m3	0.	#N/A	$ -	$ -	
245	Concrete Weir Construction_11-Poin	m3	0.	#N/A	$ -	$ -	
246							
247							
248	OBJECTIVE: FLOOD PIT						
249	Pump Purchase_11-Point Lake	each	0.	PDR_OP_22	$ 248,448.02	$ -	
250	Pipe Puchase and Install_11-Point La	m	3,250.	PDR_OP_24	$ 54.95	$ 178,588	
251	Pump Maintenance_11-Point Lake	yr*m	3.8	PDR_OP_21	$ 25,988.29	$ 98,755	
252	Pump Fuel _11-Point Lake	litre	3,024,230.	FLONAS	$ 1.07	$ 3,232,902	
253							
					Subtotal	**$ 5,216,957**	

Tailings Impoundment Name: ***Cell A*** **Pond #** ***1***

	ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
1	OBJECTIVE: COVER TAILINGS					
2	Rock cover - Upper Zone					
3	Drill Blast Granite Rock	m3	369,204	GRCBLS	$ 3.59	$ 1,326,756
4	Ripp Granite Rock	m3	290,089	GRRPS	$ 1.16	$ 336,856
5	Load/Long Haul/Spread Compact	m3	659,293	GRCLHSS	$ 7.04	$ 4,643,889
6	Rock cover - Central Zone					
7	Drill Blast Granite Rock	m3	106,924	GRCBLS	$ 3.59	$ 384,237
8	Ripp Granite Rock	m3	84,012	GRRPS	$ 1.16	$ 97,555
9	Load/Long Haul/Spread Compact	m3	190,935	GRCLHSS	$ 7.04	$ 1,344,899
10	Rock cover - Water Interface Zone					
11	Drill Blast Granite Rock	m3	31,846	GRCBLS	$ 3.59	$ 114,439
12	Ripp Granite Rock	m3	25,021	GRRPS	$ 1.16	$ 29,055
13	Load/Long Haul/Spread Compact	m3	56,867	GRCLHSS	$ 7.04	$ 400,556
14	Vegetatation					
15	Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	1	PDR_TA_01S	$ 1,083,565.77	$ 1,083,566
16	Vegetation Equipment Capital Cost	L.S	1	PDR_TA_02S	$ 141,400.27	$ 141,400
17	Vegetation Eqquipment Fuel	liter	41,667	FLONAS	$ 1.07	$ 44,542
18	OBJECTIVE: WEIR					
19	Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	$ 9.84	$ -
20	Rip-rap	m3	0	RR2H	$ 22.84	$ -
21	Transition material	m3	0	RR2S	$ 24.07	$ -
22	OBJECTIVE: INTERNAL CHANNEL					
23	Excavate channel	m3	30,800	SC3L	$ 9.84	$ 303,155
24	Rip-rap	m3	13,650	RR2H	$ 22.84	$ 311,728
25	Transition material	m3	8,190	RR2S	$ 24.07	$ 197,172
26	Filter material - sand	m3	4,102	SCSH	$ 25.31	$ 103,835
27	OBJECTIVE: EXTERNAL CHANNEL					
28	Excavate channel	m3	0	SC3L	$ 9.84	$ -
29	OBJECTIVE: OUTLET DAM					
30	Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	$ 9.84	$ -
31	Excavate channel (Breach dike, dozer, frozen)	m3	0	RC3L	$ 13.33	$ -
32	Rip-rap	m3	0	RR2H	$ 22.84	$ -
33	Transition material	m3	0	RR2S	$ 24.07	$ -
34	OBJETIVE: PHASE 1 RECLAMATION POND					
35	Excavate channel	m3	0	SC3L	$ 9.84	$ -
36	Rip Rap	m3	0	RR2H	$ 22.84	$ -
37	Granular Cap	m3	0	RR2S	$ 24.07	$ -
38	Filter material - sand	m3	0	SCSH	$ 25.31	$ -
39						
					Subtotal	**$ 10,863,640**

	Tailings Impoundment Name:	***Cell B***					**Pond #** ***2***
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
40	OBJECTIVE: COVER TAILINGS						
41	Rock cover - Upper Zone						
42	Drill Blast Granite Rock	m3	257,584	GRCBLS	$ 3.59	$ 925,644	
43	Ripp Granite Rock	m3	202,388	GRRPS	$ 1.16	$ 235,016	
44	Load/Long Haul/Spread Compact	m3	459,972	GRCLHSS	$ 7.04	$ 3,239,923	
45	Rock cover - Central Zone						
46	Drill Blast Granite Rock	m3	124,081	GRCBLS	$ 3.59	$ 445,891	
47	Ripp Granite Rock	m3	97,492	GRRPS	$ 1.16	$ 113,209	
48	Load/Long Haul/Spread Compact	m3	221,573	GRCLHSS	$ 7.04	$ 1,560,701	
49	Rock cover - Water Interface Zone						
50	Drill Blast Granite Rock	m3	0	GRCBLS	$ 3.59	$ -	
51	Ripp Granite Rock	m3	0	GRRPS	$ 1.16	$ -	
52	Load/Long Haul/Spread Compact	m3	0	GRCLHSS	$ 7.04	$ -	
53	Vegetatation						
54	Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	1	PDR_TA_01S	$ 1,083,565.77	$ 1,083,566	
55	Vegetation Equipment Capital Cost	L.S	1	PDR_TA_02S	$ 141,400.27	$ 141,400	
56	Vegetation Eqquipment Fuel	liter	41,667	FLONAS	$ 1.07	$ 44,542	
57	OBJECTIVE: WEIR						
58	Excavate channel (Breach dike, dozer, unfrozen)	m3	1,755	SC3L	$ 9.84	$ 17,275	
59	Rip-rap	m3	501	RR2H	$ 22.84	$ 11,441	
60	Transition material	m3	357	RR2S	$ 24.07	$ 8,598	
61	OBJECTIVE: INTERNAL CHANNEL						
62	Excavate channel	m3	48,400	SC3L	$ 9.84	$ 476,386	
63	Rip-rap	m3	21,450	RR2H	$ 22.84	$ 489,859	
64	Transition material	m3	12,870	RR2S	$ 24.07	$ 309,842	
65	Filter material - sand	m3	6,446	SCSH	$ 25.31	$ 163,169	
66	OBJECTIVE: EXTERNAL CHANNEL						
67	Excavate channel	m3	105,600	SC3L	$ 9.84	$ 1,039,387	
68	OBJECTIVE: OUTLET DAM						
69	Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	$ 9.84	$ -	
70	Excavate channel (Breach dike, dozer, frozen)	m3	0	RC3L	$ 13.33	$ -	
71	Rip-rap	m3	0	RR2H	$ 22.84	$ -	
72	Transition material	m3	0	RR2S	$ 24.07	$ -	
73	OBJETIVE: PHASE 1 RECLAMATION POND						
74	Excavate channel	m3	0	SC3L	$ 9.84	$ -	
75	Rip Rap	m3	0	RR2H	$ 22.84	$ -	
76	Granular Cap	m3	0	RR2S	$ 24.07	$ -	
77	Filter material - sand	m3	0	SCSH	$ 25.31	$ -	
78							
					Subtotal	**$ 10,305,849**	

	Tailings Impoundment Name:	***Cell C***					**Pond #** ***3***
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
79	OBJECTIVE: COVER TAILINGS						
80	Rock cover - Upper Zone						
81	Drill Blast Granite Rock	m3	356,124	GRCBLS	$ 3.59	$ 1,279,751	
82	Ripp Granite Rock	m3	279,811	GRRPS	$ 1.16	$ 324,921	
83	Load/Long Haul/Spread Compact	m3	635,935	GRCLHSS	$ 7.04	$ 4,479,361	
84	Rock cover - Central Zone						
85	Drill Blast Granite Rock	m3	195,447	GRCBLS	$ 3.59	$ 702,351	
86	Ripp Granite Rock	m3	153,566	GRRPS	$ 1.16	$ 178,323	
87	Load/Long Haul/Spread Compact	m3	349,013	GRCLHSS	$ 7.04	$ 2,458,355	
88	Rock cover - Water Interface Zone						
89	Drill Blast Granite Rock	m3	28,474	GRCBLS	$ 3.59	$ 102,322	
90	Ripp Granite Rock	m3	22,372	GRRPS	$ 1.16	$ 25,979	
91	Load/Long Haul/Spread Compact	m3	50,846	GRCLHSS	$ 7.04	$ 358,146	
92	Vegetatation						
93	Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	1	PDR_TA_01S	$ 1,083,565.77	$ 1,083,566	
94	Vegetation Equipment Capital Cost	L.S	1	PDR_TA_02S	$ 141,400.27	$ 141,400	
95	Vegetation Eqquipment Fuel	liter	41,667	FLONAS	$ 1.07	$ 44,542	
96	OBJECTIVE: WEIR						
97	Excavate channel (Breach dike, dozer, unfrozen)	m3	2,093	SC3L	$ 9.84	$ 20,603	
98	Rip-rap	m3	594	RR2H	$ 22.84	$ 13,572	
99	Transition material	m3	424	RR2S	$ 24.07	$ 10,208	
100	OBJECTIVE: INTERNAL CHANNEL						
101	Excavate channel	m3	75,900	SC3L	$ 9.84	$ 747,059	
102	Rip-rap	m3	33,638	RR2H	$ 22.84	$ 768,187	
103	Transition material	m3	20,183	RR2S	$ 24.07	$ 485,889	
104	Filter material - sand	m3	10,109	SCSH	$ 25.31	$ 255,878	
105	OBJECTIVE: EXTERNAL CHANNEL						
106	Excavate channel	m3	0	SC3L	$ 9.84	$ -	
107	OBJECTIVE: OUTLET DAM						
108	Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	$ 9.84	$ -	
109	Excavate channel (Breach dike, dozer, frozen)	m3	0	RC3L	$ 13.33	$ -	
110	Rip-rap	m3	0	RR2H	$ 22.84	$ -	
111	Transition material	m3	0	RR2S	$ 24.07	$ -	
112	OBJETIVE: PHASE 1 RECLAMATION POND						
113	Excavate channel	m3	0	SC3L	$ 9.84	$ -	
114	Rip Rap	m3	0	RR2H	$ 22.84	$ -	
115	Granular Cap	m3	0	RR2S	$ 24.07	$ -	
116	Filter material - sand	m3	0	SCSH	$ 25.31	$ -	
117							
					Subtotal	**$ 13,480,413**	

	Tailings Impoundment Name:	*Cell D*				Pond # *4*
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**
118	OBJECTIVE: COVER TAILINGS					
119	Rock cover - Upper Zone					
120	Drill Blast Granite Rock	m3	0	GRCBLS	$ 3.59	$ -
121	Ripp Granite Rock	m3	0	GRRPS	$ 1.16	$ -
122	Load/Long Haul/Spread Compact	m3	0	GRCLHSS	$ 7.04	$ -
123	Rock cover - Central Zone					
124	Drill Blast Granite Rock	m3	0	GRCBLS	$ 3.59	$ -
125	Ripp Granite Rock	m3	0	GRRPS	$ 1.16	$ -
126	Load/Long Haul/Spread Compact	m3	0	GRCLHSS	$ 7.04	$ -
127	Rock cover - Water Interface Zone					
128	Drill Blast Granite Rock	m3	0	GRCBLS	$ 3.59	$ -
129	Ripp Granite Rock	m3	0	GRRPS	$ 1.16	$ -
130	Load/Long Haul/Spread Compact	m3	0	GRCLHSS	$ 7.04	$ -
131	Vegetatation					
132	Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	0	PDR_TA_01S	$ 1,083,565.77	$ -
133	Vegetation Equipment Capital Cost	L.S	0	PDR_TA_02S	$ 141,400.27	$ -
134	Vegetation Eqquipment Fuel	liter	0	FLONAS	$ 1.07	$ -
135	OBJECTIVE: WEIR					
136	Excavate channel (Breach dike, dozer, unfrozen)	m3	4,982	SC3L	$ 9.84	$ 49,032
137	Rip-rap	m3	1,319	RR2H	$ 22.84	$ 30,125
138	Transition material	m3	952	RR2S	$ 24.07	$ 22,918
139	OBJECTIVE: INTERNAL CHANNEL					
140	Excavate channel	m3	0	SC3L	$ 9.84	$ -
141	Rip-rap	m3	0	RR2H	$ 22.84	$ -
142	Transition material	m3	0	RR2S	$ 24.07	$ -
143	Filter material - sand	m3	0	SCSH	$ 25.31	$ -
144	OBJECTIVE: EXTERNAL CHANNEL					
145	Excavate channel	m3	0	SC3L	$ 9.84	$ -
146	OBJECTIVE: OUTLET DAM					
147	Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	$ 9.84	$ -
148	Excavate channel (Breach dike, dozer, frozen)	m3	0	RC3L	$ 13.33	$ -
149	Rip-rap	m3	0	RR2H	$ 22.84	$ -
150	Transition material	m3	0	RR2S	$ 24.07	$ -
151	OBJETIVE: PHASE 1 RECLAMATION POND					
152	Excavate channel	m3	0	SC3L	$ 9.84	$ -
153	Rip Rap	m3	0	RR2H	$ 22.84	$ -
154	Granular Cap	m3	0	RR2S	$ 24.07	$ -
155	Filter material - sand	m3	0	SCSH	$ 25.31	$ -
156						
					Subtotal	**$ 102,074**

	Tailings Impoundment Name:	*Cell E*					Pond # *5*
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
157	OBJECTIVE: COVER TAILINGS						
158	Rock cover - Upper Zone						
159	Drill Blast Granite Rock	m3	0	GRCBLS	$ 3.59	$ -	
160	Ripp Granite Rock	m3	0	GRRPS	$ 1.16	$ -	
161	Load/Long Haul/Spread Compact	m3	0	GRCLHSS	$ 7.04	$ -	
162	Rock cover - Central Zone						
163	Drill Blast Granite Rock	m3	0	GRCBLS	$ 3.59	$ -	
164	Ripp Granite Rock	m3	0	GRRPS	$ 1.16	$ -	
165	Load/Long Haul/Spread Compact	m3	0	GRCLHSS	$ 7.04	$ -	
166	Rock cover - Water Interface Zone						
167	Drill Blast Granite Rock	m3	0	GRCBLS	$ 3.59	$ -	
168	Ripp Granite Rock	m3	0	GRRPS	$ 1.16	$ -	
169	Load/Long Haul/Spread Compact	m3	0	GRCLHSS	$ 7.04	$ -	
170	Vegetatation						
171	Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	0	#N/A	$ -	$ -	
172	Vegetation Equipment Capital Cost	L.S	0	#N/A	$ -	$ -	
173	Vegetation Eqquipment Fuel	liter	0	FLONAS	$ 1.07	$ -	
174	OBJECTIVE: WEIR						
175	Excavate channel (Breach dam, dozer, frozen)	m3	0	RC3L	$ 13.33	$ -	
176	Rip-rap	m3	0	RR2H	$ 22.84	$ -	
177	Transition material	m3	0	RR2S	$ 24.07	$ -	
178	OBJECTIVE: INTERNAL CHANNEL						
179	Excavate channel	m3	0	SC3L	$ 9.84	$ -	
180	Rip-rap	m3	0	RR2H	$ 22.84	$ -	
181	Transition material	m3	0	RR2S	$ 24.07	$ -	
182	Filter material - sand	m3	0	SCSH	$ 25.31	$ -	
183	OBJECTIVE: EXTERNAL CHANNEL						
184	Excavate channel	m3	0	SC3L	$ 9.84	$ -	
185	OBJECTIVE: OUTLET DAM						
186	Excavate channel (Breach dike, dozer, unfrozen)	m3	19,197	SC3L	$ 9.84	$ 188,950	
187	Excavate channel (Breach dike, dozer, frozen)	m3	6,399	RC3L	$ 13.33	$ 85,275	
188	Rip-rap	m3	716	RR2H	$ 22.84	$ 16,351	
189	Transition material	m3	8,646	RR2S	$ 24.07	$ 208,141	
190	OBJETIVE: PHASE 1 RECLAMATION POND						
191	Excavate channel	m3	0	SC3L	$ 9.84	$ -	
192	Rip Rap	m3	0	RR2H	$ 22.84	$ -	
193	Granular Cap	m3	0	RR2S	$ 24.07	$ -	
194	Filter material - sand	m3	0	SCSH	$ 25.31	$ -	
195							
					Subtotal	**$ 498,717**	

	Tailings Impoundment Name:	***Phase 1***				**Pond #** ***6***
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**
196	OBJECTIVE: COVER TAILINGS					
197	Rock cover - Upper Zone					
198	Drill Blast Granite Rock	m3	0	GRCBLS	$ 3.59	$ -
199	Ripp Granite Rock	m3	0	GRRPS	$ 1.16	$ -
200	Load/Long Haul/Spread Compact	m3	0	GRCLHSS	$ 7.04	$ -
201	Rock cover - Central Zone					
202	Drill Blast Granite Rock	m3	0	GRCBLS	$ 3.59	$ -
203	Ripp Granite Rock	m3	0	GRRPS	$ 1.16	$ -
204	Load/Long Haul/Spread Compact	m3	0	GRCLHSS	$ 7.04	$ -
205	Rock cover - Water Interface Zone					
206	Drill Blast Granite Rock	m3	0	GRCBLS	$ 3.59	$ -
207	Ripp Granite Rock	m3	0	GRRPS	$ 1.16	$ -
208	Load/Long Haul/Spread Compact	m3	0	GRCLHSS	$ 7.04	$ -
209	Vegetatation					
210	Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	0	#N/A	$ -	$ -
211	Vegetation Equipment Capital Cost	L.S	0	#N/A	$ -	$ -
212	Vegetation Eqquipment Fuel	liter	0	FLONAS	$ 1.07	$ -
213	OBJECTIVE: WEIR					
214	Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	$ 9.84	$ -
215	Rip-rap	m3	0	RR2H	$ 22.84	$ -
216	Transition material	m3	0	RR2S	$ 24.07	$ -
217	OBJECTIVE: INTERNAL CHANNEL					
218	Excavate channel	m3	0	SC3L	$ 9.84	$ -
219	Rip-rap	m3	0	RR2H	$ 22.84	$ -
220	Transition material	m3	0	RR2S	$ 24.07	$ -
221	Filter material - sand	m3	0	SCSH	$ 25.31	$ -
222	OBJECTIVE: EXTERNAL CHANNEL					
223	Excavate channel	m3	0	SC3L	$ 9.84	$ -
224	OBJECTIVE: OUTLET DAM					
225	Excavate channel	m3	0	SC3L	$ 9.84	$ -
226	Rip Rap	m3	0	RR2H	$ 22.84	$ -
227	Granular Cap	m3	0	RR2S	$ 24.07	$ -
228	Filter material - sand	m3	0	SCSH	$ 25.31	$ -
229	OBJETIVE: PHASE 1 RECLAMATION POND					
230	Excavate channel	m3	0	SC3L	$ 9.84	$ -
231	Rip Rap	m3	0	RR2H	$ 22.84	$ -
232	Granular Cap	m3	0	RR2S	$ 24.07	$ -
233	Transition material	m3	0	SCSH	$ 25.31	$ -
234	Old Camp: Excavation of North Pond	m3	1	PDR_TA_03S	$ 384,338.49	$ 384,338
					Subtotal	**$ 384,338**

	Rock Pile Name:	*Fox WRSA*				Rock Pile #:	1
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
1	OBJECTIVE: WILDLIFE RAMPS						
2	Flatten slopes with dozer	m3	357,120	DRL	$ 1.16	$ 414,693	
3	OBJECTIVE: WASTE ROCK COVER						
4	**Rock cover - Low Grade Kimberlite**						
5	Drill Blast Granite Rock	m3	122,304	GRCBLS	$ 3.59	$ 439,507	
6	Ripp Granite Rock	m3	96,096	GRRPS	$ 1.16	$ 111,588	
7	Load/Short Haul/Spread Compact	m3	218,400	GRCSHSS	$ 6.69	$ 1,462,172	
8	**Rock cover -Waste Kimberlite**						
9	Drill Blast Granite Rock	m3	121,800	GRCBLS	$ 3.59	$ 437,695	
10	Ripp Granite Rock	m3	95,700	GRRPS	$ 1.16	$ 111,128	
11	Load/Short Haul/Spread Compact	m3	217,500	GRCSHSS	$ 6.69	$ 1,456,147	
12							
13							
14							
15							
16							
17							
18	OBJECTIVE: TOP AREA						
19	Dozer and contour	m3	323,800	DRL	$ 1.16	$ 376,002	
20							
					Subtotal	**$ 4,808,932**	

	Rock Pile Name:	*Misery WRSA*			Rock Pile #:	2
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**
21	OBJECTIVE: WILDLIFE RAMPS					
22	Flatten slopes with dozer	m3	357,120	DRL	$ 1.16	$ 414,693
23	OBJECTIVE: WASTE ROCK COVER					
24	**Rock cover - Exposed Metasediment (Top Lift)**					
25	Drill Blast Granite Rock	m3	117,158	GRCBLS	$ 3.59	$ 421,013
26	Ripp Granite Rock	m3	92,052	GRRPS	$ 1.16	$ 106,893
27	Load/Short Haul/Spread Compact	m3	209,210	GRCSHSS	$ 6.69	$ 1,400,646
28	**Rock cover - Exposed Metasediment (Side SLopes)**					
29	Dozing Work Area Access	m3	15,789	DSL	$ 1.05	$ 16,589
30	Load/Short Haul/Spread Compact	m3	22,925	GRCSHSS	$ 6.69	$ 153,481
31	Drill Blast Granite Rock	m3	25,830	GRCBLS	$ 3.59	$ 92,822
32	Ripp Granite Rock	m3	20,295	GRRPS	$ 1.16	$ 23,567
33	Load/Short Haul/Spread Compact	m3	46,125	GRCSHSS	$ 6.69	$ 308,804
34	**Rock cover - Zone S**					
35	Drill Blast Granite Rock	m3	4,200	GRCBLS	$ 3.59	$ 15,093
36	Ripp Granite Rock	m3	3,300	GRRPS	$ 1.16	$ 3,832
37	Load/Short Haul/Spread Compact	m3	7,500	GRCSHSS	$ 6.69	$ 50,212
38	OBJECTIVE: TOP AREA					
39	Dozer and contour	m3	187,000	DRL	$ 1.16	$ 217,147
40						
					Subtotal	**$ 3,224,791**

	Rock Pile Name:	*Panda/Koala Beartooth WRSA*			Rock Pile #:	3
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	**% Land**
41	OBJECTIVE: WILDLIFE RAMPS						
42	Flatten slopes with dozer	m3	499,968	DRL	$ 1.16	$ 580,570	
43	OBJECTIVE: WASTE ROCK COVER						
44	**Rock cover - Landfill**						
45	Drill Blast Granite Rock	m3	55,227	GRCBLS	$ 3.59	$ 198,461	
46	Ripp Granite Rock	m3	43,393	GRRPS	$ 1.16	$ 50,388	
47	Load/Short Haul/Spread Compact	m3	197,239	GRCSHSS	$ 6.69	$ 1,320,499	
48	**Rock cover - Landfarm & Zones S**						
49	Drill Blast Granite Rock	m3	18,136	GRCBLS	$ 3.59	$ 65,173	
50	Ripp Granite Rock	m3	14,250	GRRPS	$ 1.16	$ 16,547	
51	Load/Short Haul/Spread Compact	m3	32,386	GRCSHSS	$ 6.69	$ 216,822	
52	**Rock cover -CKRSA**						
53	Drill Blast Granite Rock	m3	638,264	GRCBLS	$ 3.59	$ 2,293,638	
54	Ripp Granite Rock	m3	501,493	GRRPS	$ 1.16	$ 582,341	
55	Load/Short Haul/Spread Compact	m3	1,139,757	GRCSHSS	$ 6.69	$ 7,630,590	
56							
57							
58	OBJECTIVE: TOP AREA						
59	Dozer and contour	m3	517,751	DRL	$ 1.16	$ 601,221	
60	Aerial Seed	L.S.	1	PDR_RP_01S	$ 16,877.97	$ 16,878	
					Subtotal	**$ 13,573,128**	

	Rock Pile Name:	***Pigeon WRSA***			**Rock Pile #:**	**4**
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**
61	OBJECTIVE: WILDLIFE RAMPS					
62	Flatten slopes with dozer	m3	357,120	DRL	$ 1.16	$ 414,693
63	OBJECTIVE: WASTE ROCK COVER					
64	**Cover - Exposed Metasediment**					
65	Dozer Slopes	m3	550,000	DRL	$ 1.16	$ 638,668
66	Place 3 m of Till	m3	1,641,000	SB3L	$ 5.64	$ 9,255,547
67	Drill Blast Granite Rock	m3	616,840	GRCBLS	$ 3.59	$ 2,216,650
68	Ripp Granite Rock	m3	484,660	GRRPS	$ 1.16	$ 562,794
69	Load/Short Haul/Spread Compact	m3	1,101,500	GRCSHSS	$ 6.69	$ 7,374,464
70						
71						
72						
73						
74						
75						
76						
77						
78	OBJECTIVE: TOP AREA					
79	Dozer and contour	m3	0	DRL	$ 1.16	$ -
80						
					Subtotal	**$ 20,462,817**

	Rock Pile Name:	*Sable WRSA*				Rock Pile #:	5
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
81	OBJECTIVE: WILDLIFE RAMPS						
82	Flatten slopes with dozer	m3	571,392	DRL	$ 1.16	$ 663,508.93	
83							
84							
85							
86							
87							
88							
89							
90							
91							
92							
93							
94							
95							
96							
97							
98	OBJECTIVE: TOP AREA						
99	Dozer and contour	m3	200,000	DRL	$ 1.16	$ 232,242.99	
100							
					Subtotal	**$ 895,751.93**	

	Rock Pile Name:	*Lynx WRSA*			Rock Pile #:	6
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**
101	OBJECTIVE: WILDLIFE RAMPS					
102	Flatten slopes with dozer	m3	142,848	DRL	$ 1.16	$ 165,877
103						
104						
105						
106						
107						
108						
109						
110						
111						
112						
113						
114						
115						
116						
117						
118	OBJECTIVE: TOP AREA					
119	Dozer and contour	m3	34,000	DRL	$ 1.16	$ 39,481
120						
					Subtotal	**$ 205,359**

	Rock Pile Name:	*Jay WRSA*			Rock Pile #:	7
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**
121	OBJECTIVE: WILDLIFE RAMPS					
122	Flatten slopes with dozer	m3	0	DRL	$ 1.16	$ -
123	OBJECTIVE: WASTE ROCK COVER					
124	**Rock cover - Exposed Metasediment**					
125	Drill Blast Granite Rock	m3	0	GRCBL2S	$ 5.94	$ -
126	Ripp Granite Rock	m3	0	GRRPS	$ 1.16	
127	Load/Short Haul/Spread C	m3	0	GRCSHSS	$ 6.69	$ -
128						
129						
130						
131						
132						
133						
134						
135						
136						
137						
138	OBJECTIVE: TOP AREA					
139	Dozer and contour	m3	0	DRL	$ 1.16	$ -
140						
					Subtotal	**$ 0**

	Rock Pile Name:	***Point Lake WRSA***				Rock Pile #:	8
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
141	OBJECTIVE: WILDLIFE RAMPS						
142	Flatten slopes with dozer	m3	235,700	DRL	$ 1.16	$ 273,699	
143	OBJECTIVE: WASTE ROCK COVER						
144	**Cover - Exposed Metasediment**						
145	Dozer Slopes	m3	650,000	DRL	$ 1.16	$ 754,790	
146	Place 3 m of Till	m3	2,520,000	SB3L	$ 5.64	$ 14,213,271	
147	Drill Blast Granite Rock	m3	234,640	GRCBLS	$ 3.59	$ 843,193	
148	Ripp Granite Rock	m3	184,360	GRRPS	$ 1.16	$ 214,082	
149	Load/Short Haul/Spread C	m3	419,000	RBSS	$ 11.82	$ 4,954,455	
150							
151							
152							
153							
154							
155							
156							
157							
158	OBJECTIVE: TOP AREA						
159	Dozer and contour	m3	0	DRL	$ 1.16	$ -	
160							
					Subtotal	**$ 21,253,489**	

Building / Equip Name: ***All Areas***

	ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
1	OBJECTIVE: BUILDING INFRASTRUCTURE DEMOLOTION					
2	Panda/Koala/Beartooth Pit development	L.S	1.	PDR_BE_01S	$ 5,715,344.07	$ 5,715,344
3	Panda/Koala Underground development	L.S	1.	PDR_BE_02S	$ 706,881.41	$ 706,881
4	Fox development	L.S	1.	PDR_BE_03S	$ 225,578.33	$ 225,578
5	Misery development (Excluding Misery Camp Buildings)	L.S	1.	PDR_BE_04S	$ 2,143,513.91	$ 2,143,514
6	Misery development (Jay Misery Camp buildings)	L.S	1.	PDR_BE_05S	$ 1,020,300.15	$ 1,020,300
7	Pigeon development	L.S	1.	PDR_BE_06S	$ 88,360.18	$ 88,360
8	Sable development	L.S	1.	PDR_BE_07S	$ 885,161.05	$ 885,161
9	Lynx development	L.S	1.	PDR_BE_08S	$ 67,569.55	$ 67,570
10	Jay development	L.S	0.	PDR_BE_09S	$ 345,852.12	$ -
11	OBJECTIVE: CULVERTS, POWELINES, PIPELINES, BRIDGRES INFRASTRUCTURE DEMOLOTION					
12	Culverts (Excluding Jay)	L.S	1.	PDR_BE_10S	$ 418,411.42	$ 418,411
13	Culverts (Jay)	L.S	1.	PDR_BE_11S	$ 36,383.60	$ 36,384
14	Powerlines (Excluding Jay)	L.S	1.	PDR_BE_12S	$ 555,785.51	$ 555,786
15	Powerlines (Jay)	L.S	0.	PDR_BE_13S	$ 98,079.80	$ -
16	Pipelines (Excluding Jay)	L.S	1.	PDR_BE_14S	$ 649,707.17	$ 649,707
17	Pipelines (Jay)	L.S	0.	PDR_BE_15S	$ 506,459.74	$ -
18	Pipelines (Point Lake Early Works)	L.S	1.	PDR_BE_18S	$ 23,826.00	$ 23,826
19	Bridges	L.S	1.	PDR_BE_16S	$ 280,673.50	$ 280,673
20	OBJECTIVE: LANDFILL FOR INFRASTRCUTURE DEMOLITION WASTE					
21	Drill Blast Granite Rock	m3	55,226.82	GRCBLS	$ 3.59	$ 198,461
22	Ripp Granite Rock	m3	43,392.5	GRRPS	$ 1.16	$ 50,388
23	Load/Long Haul/Spread Compact	m3	197,238.66	GRCLHSS	$ 7.04	$ 1,389,298
24	OBJECTIVE: RECLAIM PADS, LAYDOWNS, STOCKPILE, & AIRSTRIP					
25	Scarify Landscape	ha	186.	SCFYL	$ 4,755.45	$ 884,514
26	Establish Vegetation	ha	88.	VEGS	$ 4,423.68	$ 389,283
27	Jay Scarify Landscape	ha	0.	SCFYL	$ 4,755.45	$ -
28	Jay Establish Vegetation	ha	0.	VEGS	$ 4,423.68	$ -
29	Point Lake Scarify Landscape - Early Works	ha	1.	SCFYL	$ 4,755.45	$ 4,755
30	Point Lake Establish Vegetation - Early Works	ha	1.	VEGS	$ 4,423.68	$ 4,424
31	Point Lake Scarify Landscape	ha	27.7	SCFYL	$ 4,755.45	$ 131,726
32	Point Lake Establish Vegetation	ha	27.7	VEGS	$ 4,423.68	$ 122,536
33	Capital Cost Seeding Equipment	L.S.	1.	PDR_BE_17S	$ 114,316.49	$ 114,316
34	Drill Blast Granite Rock for Concrete Slabs	m3	40,331.94	GRCBLS	$ 3.59	$ 144,935
35	Ripp Granite Rock for Concrete Slabs	m3	31,689.38	GRRPS	$ 1.16	$ 36,798
36	Cover Concrete Slabs	m3	72,021.32	GRCLHSS	$ 7.04	$ 507,299
37	OBJECTIVE: LINED SUMPS					
38	Drill Blast Granite Rock for Concrete Slabs	m3	26,877.54	GRCBLS	$ 3.59	$ 96,586
39	Ripp Granite Rock for Concrete Slabs	m3	21,118.07	GRRPS	$ 1.16	$ 24,523
40	Remove liner and place rock cover	m3	47,995.61	GRCLHSS	$ 7.04	$ 338,069
41	Point Lake Remove liner and place rock cover	m3	84,000.	GRCLHSS	$ 7.04	$ 591,674
42	OBJECTIVE: RECLAIM ROADS					
43	Scarify Access and Haul Roads	ha	166.	SCFYL	$ 4,755.45	$ 789,405
44	Establish Vegetation on Access and Haul Roads	ha	83.	VEGS	$ 4,423.68	$ 367,165
45	Point Lake Scarify Access and Haul Roads	ha	1.3	SCFYL	$ 4,755.45	$ 6,182
46	Point Lake Establish Vegetation on Access and Haul Roads	ha	1.3	VEGS	$ 4,423.68	$ 5,751
47	Dozer Acess and Haul Road Berms	m3	371,157.89	DSL	$ 1.05	$ 389,947
48	Jay Scarify Access and Haul Roads	ha	16.	SCFYL	$ 4,755.45	$ 76,087
49	Jay Establish Vegetation on Access and Haul Roads	ha	8.	VEGS	$ 4,423.68	$ 35,389
50	Jay Dozer Acess and Haul Road Berms Road Berms	m3	36,210.53	DSL	$ 1.05	$ 38,044
51	Jay Placement of Esker Material	m3	25,000.	GRCLHSS	$ 7.04	$ 176,094
					Subtotal	**$ 19,731,145**

Water Management : ***All Areas***

	ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
1	OBJECTIVE: BREACH EMBANKMENT					
2	**Bearclaw Dam**					
3	Breach dam, dozer, unfrozen	m3	11,202	SC3L	$ 9.84	$ 110,255
4	Breach dam, dozer, frozen	m3	1,977	RC4L	$ 13.82	$ 27,327
5	Rip-rap	m3	512	RR2H	$ 22.84	$ 11,704
6	Transition material	m3	4,503	RR2S	$ 24.07	$ 108,417
7	**King Pond Dam**					
8	Breach dam, dozer, unfrozen	m3	4,860	SC3L	$ 9.84	$ 47,835
9	Breach dam, dozer, frozen	m3	0	RC4L	$ 13.82	$ -
10	Rip-rap	m3	375	RR2H	$ 22.84	$ 8,564
11	Transition material	m3	1,744	RR2S	$ 24.07	$ 41,980
12	**Waste Rock Dam**					
13	Breach dam, dozer, unfrozen	m3	67,575	SC3L	$ 9.84	$ 665,119
14	Breach dam, dozer, frozen	m3	0	RC4L	$ 13.82	$ -
15	Rip-rap	m3	731	RR2H	$ 22.84	$ 16,700
16	Transition material	m3	23,389	RR2S	$ 24.07	$ 563,078
17	**Two Rock Dam**					
18	Breach dam, dozer, unfrozen	m3	9,916	SC3L	$ 9.84	$ 97,603
19	Breach dam, dozer, frozen	m3	1,750	RC4L	$ 13.82	$ 24,191
20	Rip-rap	m3	379	RR2H	$ 22.84	$ 8,650
21	Transition material	m3	4,244	RR2S	$ 24.07	$ 102,161
22	**Two Rock Dike**					
23	Breach dike, dozer, unfrozen	m3	1,154	SC3L	$ 9.84	$ 11,362
24	Rip-rap	m3	357	RR2H	$ 22.84	$ 8,153
25	Transition material	m3	251	RR2S	$ 24.07	$ 6,052
26	**Pigeon Outlet Pit Berm**					
27	Breach berm, dozer, unfrozen - 2 areas	m3	784	SC3L	$ 9.84	$ 7,717
28	Rip-rap	m3	165	RR2H	$ 22.84	$ 3,768
29	Transition material	m3	379	RR2S	$ 24.07	$ 9,124
30	**East Coffer Dam**					
31	Breach dam, dozer, unfrozen	m3	726	SC3L	$ 9.84	$ 7,144
32	Rip-rap	m3	98	RR2H	$ 22.84	$ 2,227
33	Transition material	m3	366	RR2S	$ 24.07	$ 8,801
34	**West Coffer Dam**					
35	Breach dam, dozer, unfrozen	m3	135	SC3L	$ 9.84	$ 1,329
36	Rip-rap	m3	48	RR2H	$ 22.84	$ 1,085
37	Transition material	m3	89	RR2S	$ 24.07	$ 2,149
38	**Breach Jay Dike**					
39	Breach Jay Dike	L.S.	0	PDR_WA_01S	$ 1,787,241.52	$ -
40	Turbidity Curtain	L.S.	0	PDR_WA_02S	$ 519,083.81	$ -
41	Revegetate Shoreline	L.S.	0	PDR_WA_03S	$ 240,911.42	$ -
42	OBJECTIVE: EKATI MINE					
43	Associated Streams - Re-establish drainag	L.S.	1	PDR_WA_04S	$ 304,289.94	$ 304,290
44	OBJECTIVE: QUARRY SITE					
45	Regrade and armor channels	L.S.	1	PDR_WA_05S	$ 366,933.82	$ 366,934
					Subtotal	**$ 2,573,719**

Chemicals and Soil Contamination: ***All Areas***

	ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
1	HAZARDOUS MATERIALS REMOVAL					
2	Waste batteries	kg	45000	PDR_CH_01S	0.55	$24,793
3	Waste Oils Ship Off Site	liters	710000	ORL	0.48	$337,637
4	Glycols Ship Off Site	litre	20000	PDR_CH_02S	1.38	$27,548
5	Paints	litre	1500	PDR_CH_03S	0.30	$446
6	Solvents	litre	7500	PDR_CH_04S	0.83	$6,198
7	Explosives	allow	1	PDR_CH_05S	11,251.98	$11,252
8	HAZARDOUS MATERIALS AUDIT					
9	Phase (1,2,3) ESA (Drilling and Sampling)	L.S	1	PDR_CH_06S	495,690.27	$495,690
10	CONTAMINATED SOIL REMEDIATION					
11	Excavate, Load, Haul to Landfarm	m3	22650	SC4L	10.29	$232,956
12	Drill Blast Granite Rock	m3	14,000	GRCBLS	3.59	$50,310
13	Ripp Granite Rock	m3	11,000	GRRPS	1.16	$12,773
14	Backfill Excavations Granite Rock	m3	25,000	GRCLHSS	7.04	$176,094
15	Remediate Soil	m3	24,000	CSRL	51.98	$1,247,477
16	Technician and Analysis	L.S	1	PDR_CH_07S	112,519.81	$112,520
					Subtotal	**$2,735,694**

	Underground Mine Name	*Panda*				UG Mine #	*1*
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
1	OBJECTIVE: CONTROL ACCESS						
2	Portal - bulkhead and cover entrance	L.S.	1	PDR_UG_01S	$ 66,530.01	$ 66,530	
3	Cap fresh air raise - concrete cap	L.S.	2	PDR_UG_02S	$ 81,959.60	$ 163,919	
					Subtotal	**$ 230,449**	

	Underground Mine Name	*Koala*				UG Mine #	*2*
	ACTIVITY/MATERIAL	**Unit**	**Qty**	**Cost Code**	**Unit Cost**	**Cost**	
4	OBJECTIVE: CONTROL ACCESS						
5	Portal - bulkhead and cover entrance	L.S.	0	PDR_UG_01S	$ 66,530.01	$ -	
6	Cap fresh air raise - concrete cap	L.S.	2	PDR_UG_02S	$ 81,959.60	$ 163,919	
					Subtotal	**$ 163,919**	

	Underground Mine Name	*Panda*				UG Mine #	*3*
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
7	OBJECTIVE: CONTROL ACCESS						
8	Portal - bulkhead and cover entrance	L.S.	1	PDR_UG_01S	$ 66,530.01	$ 66,530	
9	Cap fresh air raise - concrete cap	L.S.	2	PDR_UG_02S	$ 81,959.60	$ 163,919	
					Subtotal	**$ 230,449**	

	Underground Mine Name	*Misery Underground*				UG Mine #	*4*
	ACTIVITY/MATERIAL	**Unit**	**Qty**	**Cost Code**	**Unit Cost**	**Cost**	
10	OBJECTIVE: CONTROL ACCESS						
11	Portal - bulkhead and cover entrance	L.S.	0	PDR_UG_01S	$ 66,530.01	$ -	
12	Cap fresh air raise - concrete cap	L.S.	1	PDR_UG_02S	$ 81,959.60	$ 81,960	
					Subtotal	**$ 81,960**	

Post-Closure Monitoring & Maintenance: ***All Areas***

	ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
1	OBJECTIVE: MONITORING &REPORTING					
2	Closure Monitoring and Maintenance	yrs	5	PDR_PC_01S	$ 165,285.51	$ 826,428
3	Site Wide (AEMP & SNP)- Primary Reclamarion	yrs	5	PDR_PC_02S	$ 331,837.52	$ 1,659,188
4	Site Wide (AEMP & SNP)- Closure Monitoring	yrs	10	PDR_PC_03S	$ 165,918.76	$ 1,659,188
5	Site Wide (AEMP & SNP)- Pit Flooding Program	yrs	0	PDR_PC_04S	$ 27,674.24	$ -
6	During Pit Flooding - Pit Water Quality Monitoring (SNP)	years*pit lake	47.5	PDR_PC_05S	$ 22,503.96	$ 1,068,938
7	Post Flooding - Pit Water Quality Monitoring (AEMP & SNP)	years*pit lake	70	PDR_PC_06S	$ 33,755.94	$ 2,362,916
8	Point Lake During Pit Flooding - Pit Water Quality Monitoring	years*pit lake	4	PDR_PC_20S	$ 14,033.67	$ 56,135
9	Point Lake Post Flooding - Pit Water Quality Monitoring (AEM	years*pit lake	10	PDR_PC_21S	$ 14,033.67	$ 140,337
10	Panda Diversion Inspections	yrs	10	PDR_PC_07S	$ 1,652.86	$ 16,529
11	Geotechnical Inspections (Land)	yrs	15	PDR_PC_08S	$ 58,039.90	$ 870,599
12	Point Lake Geotechnical Inspections (Land)	yrs	10	PDR_PC_22S	$ 1,559.30	$ 15,593
13	Geotechnical Inspections (Permafrost)	yrs	15	PDR_PC_09S	$ 47,020.87	$ 705,313
14	Air Quality Monitoring Program (AQMP)	yrs	15	PDR_PC_10S	$ 22,747.09	$ 341,206
15	Wildlife Effects Monitoring Program (WEMP)	yrs	15	PDR_PC_11S	$ 96,371.21	$ 1,445,568
16	LLCF Vegetation Monitoring (VMP)	yrs	15	PDR_PC_12S	$ 84,389.86	$ 1,265,848
17	Site Vegetation Monitoring (VMP)	yrs	15	PDR_PC_13S	$ 28,373.08	$ 425,596
18	Point Lake Site Vegetation Monitoring (VMP)	yrs	10	PDR_PC_23S	$ 1,559.30	$ 15,593
19	Seepage Monitoring Program	yrs	15	PDR_PC_14S	$ 58,229.88	$ 873,448
20	Point Lake Seepage Monitoring Program	yrs	10	PDR_PC_24S	$ 8,836.02	$ 88,360
21	Archaeology Monitoring Program	yrs	8	PDR_PC_15S	$ 11,251.98	$ 90,016
22	Jay Turbity Monitoring	LS	0	PDR_PC_16S	$ 334,063.84	$ -
23	Pit Flooding Annual Staff ~~(5 Labourers)~~	hrs	34857	lab-ush	$ 48.64	$ 1,695,386
24	Helicopter Support (Yrs 1-5)	yrs	5	PDR_PC_17S	$ 129,941.43	$ 649,707
25	Helicopter Support (Yrs 6-10)	yrs	5	PDR_PC_18S	$ 77,964.86	$ 389,824
26	Panda Dam Long Term Monitoring	LS	1	PDR_PC_19S	$ 111,171.65	$ 111,172
					Subtotal	**$ 16,772,886**

	Mobilization:	*All Areas*					
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**	
1	MOBILIZE EQUIPMENT *& MATERIALS						
2	Pipe Shipping	m	24,550.	PDR_MO_01S	$ 15.43	$	378,724
3	Pipe Shipping (Sable)	m	4,000.	PDR_MO_02S	$ 15.43	$	61,707
4	Pump Shipping	each	5.	PDR_MO_03S	$ 2,754.76	$	13,774
5	Pump Shipping (Sable)	each	1.	PDR_MO_04S	$ 2,754.76	$	2,755
6	Minor Tools and Equipment (Inlcuding Vegetation)	L.S.	1.	PDR_MO_05S	$ 110,190.34	$	110,190
7	Exacavators, 3	L.S.	1.	PDR_MO_06S	$ 41,552.78	$	41,553
8	Dump Trucks, 12	L.S.	1.	PDR_MO_07S	$ 223,743.68	$	223,744
9	Dozers, 3	L.S.	1.	PDR_MO_08S	$ 415,523.35	$	415,523
10	Demolotion Shears, 2	L.S.	1.	PDR_MO_09S	$ 27,701.85	$	27,702
11	Crane, 3	L.S.	1.	PDR_MO_10S	$ 41,552.78	$	41,553
12	*Truck Tires	L.S.	1.	PDR_MO_11S	$ 55,095.17	$	55,095
13	DEMOBILIZE EQUIPMENT						
14	Exacavators, 3	L.S.	1.	PDR_MO_12S	$ 41,552.31	$	41,552
15	Dump Trucks, 12	L.S.	1.	PDR_MO_13S	$ 223,743.68	$	223,744
16	Dozers, 3	L.S.	1.	PDR_MO_14S	$ 415,523.35	$	415,523
17	Demolotion Shears, 2	L.S.	1.	PDR_MO_15S	$ 27,701.85	$	27,702
18	Crane, 3	L.S.	1.	PDR_MO_16S	$ 41,552.78	$	41,553
19	MOBILIZE CAMP						
20	Reclamation Activities Camp	allow	1.	PDR_MO_17S	$ 165,285.51	$	165,286
21	Pit Flooding Camp	allow	1.	PDR_MO_18S	$ 82,642.75	$	82,643
22	MOBILIZE WORKERS						
23	Reclamation Activities Airfare (two flights a week)	each	416.	DSH7S	$ 10,063.86	$	4,186,567
24	Pump Flooding Airfaire (one flight a week)	each	506.	FLTSS	$ 4,976.64	$	2,518,178
25	Monitoring Airfare (6 flights a year)	each	60.	FLTSS	$ 4,976.64	$	298,598
26	MOBILIZE FUEL						
27	Fuel Freight (Open Pit Pump Flooding)	litre	21,636,730.	FLMBS	$ 0.23	$	4,925,762
28	Winter Road Usage (Open Pit Pump Flooding)	tonnes	18,001.76	WRS	$ 125.94	$	2,267,203
29	Fuel Freight (Sable Pit Pump Flooding)	litre	4,390,000.	FLMBS	$ 0.23	$	999,416
30	Winter Road Usage (Sable Pit Pump Flooding)	tonnes	3,652.48	WRS	$ 125.94	$	460,006
31	Fuel Freight (Reclamation Activities Equipment)	litre	16,500,000.	FLMBS	$ 0.23	$	3,756,347
32	Winter Road Usage (Reclamation Activities Equipment)	tonnes	13,728.	WRS	$ 125.94	$	1,728,951
33	Fuel Reserves	l					
34	WORKER ACCOMODATIONS						
35	Primary Reclamation Activities	manday	232,930.	ACCMS	$ 110.59	$	25,760,171
36	Pit Pump Flooding	manday	23,180.	ACCML	$ 110.59	$	2,563,520
37	INTERIM CARE & MAINTENANCE						
38	Interim Care & Maintenance	annual	3.	PDR_MO_20S	$ 2,450,235.30	$	7,350,706
39	FINAL CLOSURE PLAN						
40	Preparation of final Closure Plan	L.S.	1.	PDR_MO_21S	$ 1,101,903.37	$	1,101,903
41	PUMP FLOODING AND VEGETATION STAFF						
42	Pit Flooding Annual Staff (5 Labourers)	hrs	89,670.	lab-ush	$ 48.64	$	4,361,398
43	Vegetation Labour	hrs	29,190.	lab-usl	$ 34.28	$	1,000,735
					Subtotal	**$**	**65,649,783**

	Risidual Risks			*All Areas*		
	ACTIVITY/MATERIAL	**Units**	**Quantity**	**Cost Code**	**Unit Cost**	**Cost**
	RESIDUAL RISK ITEM					
1	Misery WRSA Covering	L.S.	1	PDR_RI_02S	$ 1,811,090.45	$ 1,811,090
2	Panda Diversion Channel	L.S.	1	PDR_RI_01S	$ 723,733.49	$ 723,733
					Subtotal	**$ 2,534,824**

Current CPI - 2021: 142 Inflation

ITEM	COST CODE	UNITS	LOW $	HIGH $	SPECIFIED $	COMMENTS		Inflation	UNITS	LOW $	HIGH $	SPECIFIED $	Year	Source
Granite Rock Capping			0.00	0.00	0.00									
Drill Blast Granite Rock (Remined Rock)	GRCBL	m3	0.00	0.00	3.59			1.0889571	m3			$ 3.30	2015	~~Same as (Intact Rock) - as per June 12, 2015~~
Drill Blast Granite Rock (Intact Rock)	GRCBL2	m3	0.00	0.00	5.94			1.1251981	m3			$ 5.28	2013	WLWB RFD #2015-1 $5.28/ cu.m from June 17. 2013
Ripping Granite Rock	GRRP	m3	0.00	0.00	1.16	Using DRL value		1.105919	m3			$ 1.05	2014	Using DRL value
Load/Load Haul/Spread Compact	GRCLHS	m3	0.00	0.00	7.04	Ekati Internal		1.1251981	m3			$ 6.26	2013	$6.26/ cu.m Ekati Internal cost - from June 17. 2013
Load/Short Haul/Spread Compact	GRCSHS	m3	0.00	0.00	6.69	Ekati Internal		1.1251981	m3			$ 5.95	2013	$5.95/ cu.m Ekati Internal cost - from June 17. 2013
Fuel														
Fuel Operating Cost Automotive	FLOA	litre	0.00	0.00	1.13	Based on internal operating data and including automotive tax		1	litre			$ 1.13	2021	July 29, 2022 - Arctic forecast costs for the 2023 winter road for fuel are as followed: → Diesel Fuel Non-Motive Equipment: $1.12/L → Diesel Fuel Motive Equipment: $1.22/L 17
Fuel Operating Cost Non -Automotive	FLONA	litre	0.00	0.00	1.07	Based on internal operating data excluding automotive tax		1	litre			$ 1.07	2021	
Fuel Mobilization	FLMB	litre	0.00	0.00	0.23	Based on internal operating data for freight from edmonton to ekati excluding winter road		1.0395315	litre			$ 0.22	2018	June 17, 2013 - Based on internal operating data for freight from edmonton to ekati excluding winter road
Dozing														
Doze Rock piles	DR	m3	1.16	2.65	0.00	LOW cost: doze crest off dump		1.105919	m3	$ 1.05	$ 2.40		2014	Reclaim 7.0, LOW cost: doze crest off dump
Doze overburden/Soil piles	DS	m3	1.05	4.20	0.00	HIGH cost: push up to 300 m		1.105919	m3	$ 0.95	$ 3.80		2014	Reclaim 7.0. HIGH cost: push up to 300 m
Excavate Rock; Low Spec's and QA/QC														
Drill/blast/load/short haul	RR1	m3	12.61	18.86	0.00	Low:quarry operations for bulk fill		1.105919	m3	$ 11.40	$ 17.05		2014	Reclaim 7.0
Drill/blast/load/long haul	RB2	m3	13.33	19.69	0.00			1.105919	m3	$ 12.05	$ 17.80		2014	Reclaim 7.0
RB1 + spread and compact	RR3	m3	13.33	19.69	0.00			1.105919	m3	$ 12.05	$ 17.80		2014	Reclaim 7.0
RB2 + spread and compact	RB4	m3	13.82	34.01	0.00			1.105919	m3	$ 12.50	$ 30.75		2014	Reclaim 7.0
Specified activity	RBS	m3	0.00	0.00	11.82	From Estimator Work-up		1	m3			$ 11.82	2021	From BCL Point Lake Cost Review (2021-10-26) Estimator Work-up
Excavate Rock, Controlled														
RC1 (Drill, blast, load, short haul (<500m) Dump	RC1	m3	12.61	18.86	0.00	low - foundation excavation, high - spillway excavation		1.105919	m3	$ 11.40	$ 17.05		2014	Reclaim 7.0, low - foundation excavation, high - spillway excavation
RC1 (Drill, blast, load, short haul (<500m) Dump + spread and compact	RC3	m3	13.33	19.69	0.00	LOW Reclaim Default value designated for blasting of frozen core damns and short haul		1.105919	m3	$ 12.05	$ 17.80		2014	Reclaim 7.0, LOW Reclaim Default value designated for blasting of frozen core damns and short haul
RC1 + long haul + spread and compact	RC4	m3	13.82	34.01	0.00	LOW Reclaim Default value designated for blasting of frozen core damns/access ramps and long haul		1.105919	m3	$ 12.50	$ 30.75		2014	Reclaim 7.0, LOW Reclaim Default value designated for blasting of frozen core damns/access ramps and long haul
Drill and Blast (Specified Activity)	RCS	m3	0.00	0.00	8.44	2004 RCSL value for low specified, blast & doze pit rim)		1.1251981	m3			$ 7.50	2013	2004 RCSL value for low specified, blast & doze pit rim) → using 2013 value
Excavate Rip Rap														
RR1 (Drill, blast, Load Short Haul (<500 m) Dump and Spread + Long Haul	RR2	m3	15.70	22.84	24.07	HIGH cost: quarry & place rip rap in channel SPECIFIED for transational material average of sand and rip rap → ACDC rates for 2018 used		1.105919	m3	$ 14.20	$ 20.65	$ 21.77	2014	Reclaim 7.0, HIGH cost: quarry & place rip rap in channel Ekati Project, SPECIFIED for transational material average of sand and rip rap
Excavate Soil, Controlled														
SC1 (Excavate, Load, Short Haul (<500 m), Dump) + Spread and Compact	SC3	m3	9.84	15.70	0.00	LOW Reclaim Default value designated for breaching dykes and excavations and short haul		1.105919	m3	$ 8.90	$ 14.20		2014	Reclaim 7.0, LOW Reclaim Default value designated for breaching dykes and excavations and short haul
SC1 (Excavate, Load, Long Haul (<500 m), Dump) + Spread and Compact	SC4	m3	10.29	25.66	0.00	LOW Reclaim Default value designated for breaching dykes and excavations and long haul		1.105919	m3	$ 9.30	$ 23.20		2014	Reclaim 7.0, LOW Reclaim Default value designated for breaching dykes and excavations and long haul
SC1 (Excavate, Load, Short haul (<500 m), Dump) + Specified activity	SCS	m3	0.00	25.31	19.19	SPECIFIED cost: backfill adit with waste rock, High - sand bedding layer for liners		1.105919	m3		$ 22.89	$ 17.35	2014	Board Determination: 2015 Estimate → SPECIFIED cost: backfill adit with waste rock, High - sand bedding layer for liners
Produce and Place Littoral Substrate	SCST	m3	0.00	0.00	26.63	Internal Estimate 2011 EBA $16.27 produce + $ 6.53 average for placement)		1.1677632	m3			$ 22.80	2011	Internal Estimate 2011 EBA $16.27 produce + $ 6.53 average for placement)
Produce and Plate Littotal Sediment Berm	SCSB	m3	0.00	0.00	28.27	Internal Estimate 2011 EBA $10.85 produce + $ 13.36 average for placement)		1.1677632	m3			$ 24.21	2011	Internal Estimate 2011 EBA $10.85 produce + $ 13.36 average for placement)
Excavate Soil; Low Spec's and QA/QC														
excavate/load/short haul + spread and compact	SB3	m3	5.64	9.84	12.43	Low: non-engineered: High:engineered		1.105919	m3	$ 5.10	$ 8.90	$ 11.24	2014	Reclaim 7.0
Scarify														
Scarify Road	SCFY	ha	4.755.45	6.668.69	2.377.73	LOW Reclaim Default		1.105919	ha	$ 4.300.00	$ 6.030.00	$ 2.150.00	2014	Reclaim 7.0. LOW Reclaim Default
Vegetation														
Hydroseed. Flat	VHF	ha	4.423.68	0.00	0.00			1.105919	ha	$ 4.000.00			2014	VHFL used for 2009 estimate
Site Wide Vegetation	VEG	ha	4.976.64	0.00	4.423.68			1.105919	ha	$ 4.500.00		$ 4.000.00	2014	Reclaim 7.0
Excavate Soil, Bulk														
Construct and Reshape Berm	SBSB	m3	2.65	5.64	4.48			1.1251981	m3	$ 2.36	$ 5.01	$ 3.98	2013	Ekati Board Security Determination 01 - 2013 → Within range of reported values of 2009:SBLS = 2.3562 and 2004: SB3S = 5.01
Concrete work														
Small pour, Formed	CSF	m3	471.67	707.51	0.00	LOW Reclaim value used for Spillway Construction		1.105919	m3	$ 426.50	$ 639.75		2014	Reclaim 7.0, LOW Reclaim value used for Spillway Construction
Signs and Fence														
Signs and Fence	FS	each	0.00	0.00	11,251.98	Based on internal estimate per pit		1.1251981	each			$ 10,000.00	2013	\June 17, 2013 - Based on $10,000 internal estimate per pit
Oil														
Remove from site	OR	litre	0.48	1.33	1.58	LOW Reclaim Default Value		1.105919	litre	$ 0.43	$ 1.20	$ 1.43	2014	Reclaim 7.0. LOW Reclaim Default Value
Remediate on site	CSR	m3	51.98	161.46	0.00	LOW cost: bio-remediate on-site. HIGH cost: ship off-site to landfil as haz. waste		1.105919	m3	$ 47.00	$ 146.00		2014	Reclaim 7.0, LOW cost: bio-remediate on-site. HIGH cost: ship off-site to landfil as haz. Waste
Winter Road														
Usage Rate	WR	tonnexkm	0.00	0.00	125.94	Calculated from a rate of $0.2907 tonne/km multipled by 385 distance from Yellowknife to Ekati		1.1251981	tonnexkm			$ 111.93	2013	June 17, 2013 - Calculated from a rate of $0.2907 tonne/km multipled by 385 distance from Yellowknife to Ekati
Mobilize Workers														
Dash 7 Flight	DSH7	each	4,976.64	10,063.86	10,063.86	Ekati Cost		1.105919	each	$ 4,500.00	$ 9,100.00	$ 9,100.00	2014	Reclaim 7.0. Internal BHP Cost
10 person plane	FLTS	each	4,976.64	10,063.86	4,976.64	AANDC Interim Care and Maintenance Value		1.105919	each	$ 4,500.00	$ 9,100.00	$ 4,500.00	2014	Reclaim 7.0, AANDC Interim Care and Maintenance Value
Accomodation														
Primary Reclamation Activities	ACCM	manday	110.59	193.54	110.59			1.105919	manday	$ 100.00	$ 175.00	$ 100.00	2014	~~Reclaim 7.0, LOW cost, accom in existing camp, per man, HIGH cost: - supply new camp~~ WLWB RFD 2015 - estimate is to use "Low" camp value of RECLAIM
Typical Labour & Equipment Rates														
labour - unskilled	lab-us	$/hr	34.28	48.64	0.00			1.105919	$/hr	$ 31.00	$ 43.98		2014	Reclaim 7.0, Specific avergae of high and low RECLAIM values
Pumps														
Pump Capital Cost Large. >	PL	each	6.418.17	128.363.43	222.767.50			1.1423974	each	$ 5.618.16	$ 112.363.20	$ 195.000.00	2012	2012 EBA Estimate
Pump Shipping	PLS	each	0.00	0.00	2.855.99			1.1423974	each			$ 2.500.00	2012	2012 EBA Estimate
Pump Maintenance	PLM	yr/pump	0.00	0.00	22.847.95			1.1423974	yr/pump			$ 20.000.00	2012	Internal Estimate
PiPes														
Pipe - Large. > 6 inch diameter	PPL	m	1.28	231.05	146.89			1.1423974	m	$ 1.12	$ 202.25	$ 128.58	2012	2012 EBA Estimate for 18" DR11 HDPE Pipe
Pipe Shipping	PPS	m	0.00	0.00	15.99			1.1423974	m			$ 14.00	2012	2012 EBA Estimate for 18" DR11 HDPE Pipe
Pipe Install	PPI	m	0.00	0.00	57.12			1.1423974	m			$ 50.00	2012	2012 EBA Estimate for 18" DR11 HDPE Pipe
Break and Install	PPR	m	0.00	0.00	82.25			1.1423974	m			$ 72.00	2012	2012 EBA Estimate for 18" DR11 HDPE Pipe
Shaft, Raise & Portal Closures														
Portals - Type 7 and Type 8	PT	L.S.			496,458.68			1.3680154	L.S.			$ 362,904.30	2004	June 17, 2013 - SPECIFIED Source: McIntosh 2004 report - bulkhead (in rock), backfilling tunnel and covering the entrance with waste rock. See report for more details.
Concrete work Type 6 - concrete cap	CC6	L.S.	0.00	0.00	216,636.51			1.3680154	L.S.			$ 158,358.24	2004	June 17, 2013 - SPECIFIED Source: McIntosh 2004 report - ventilation raises (filling raises with waste rock and covering caps after construction). See report for more details.
Project Developed Rates														
Open Pits														
Access Road_02-Pigeon	PDR_OP_01	m			305.77		1	1.0395315	m			$ 294.14	2018	2018 Golder Study - $290 roads, $4.14 culvert install, total = $294.14/ m
Connector Channel_06-Panda	PDR_OP_02	m3			12.01		2	1.0395315	m3			$ 11.55	2018	
MIG Provisional Amount_01-Misery	PDR_OP_03	kwh			0.44		3	1.0395315	kwh			$ 0.42	2018	
Outflow Channel_01-Misery	PDR_OP_04	m3			204.25		4	1.1251981	m3			$ 181.52	2013	$181.52 in 2013
Outflow Channel_02-Pigeon	PDR_OP_05	m3			88.95		5	1.1251981	m3			$ 79.05	2013	$79.05 in 2013
Outflow Channel_03-Sable	PDR_OP_06	m3			88.95		6	1.1251981	m3			$ 79.05	2013	$79.05 in 2013
Outflow Channel_04-Beartooth	PDR_OP_07	m3			263.25		7	1.1251981	m3			$ 233.96	2013	$233.96 in 2013
Outflow Channel_05-Fox	PDR_OP_08	m3			23.07		8	1.1251981	m3			$ 20.50	2013	$20.5 in 2013
Outflow Channel_08-Koala	PDR_OP_09	m3			12.26		9	1.1251981	m3			$ 10.90	2013	$10.90 in 2013
Outflow Channel_09-Lynx	PDR_OP_10	m3			88.95		#	1.1251981	m3			$ 79.05	2013	
Pipe Puchase and Install_01-Miserv	PDR_OP_11	m			729.75		#	1.0395315	m			$ 702.00	2018	2018 Golder Study - 2018 Vendor Quotes
Pipe Puchase and Install_02-Pigeon	PDR_OP_12	m			524.44		#	1.0395315	m			$ 504.50	2018	2018 Golder Study - 2018 Vendor Quotes
Pipe Puchase and Install_03-Sable	PDR_OP_13	m			178.80		#	1.0395315	m			$ 172.00	2018	2018 Golder Study - 2018 Vendor Quotes
Pipe Puchase and Install_04-Beartooth	PDR_OP_14	m			524.44		#	1.0395315	m			$ 504.50	2018	2018 Golder Study - 2018 Vendor Quotes
Pipe Puchase and Install_05-Fox	PDR_OP_15	m			292.11		#	1.0395315	m			$ 281.00	2018	2018 Golder Study - 2018 Vendor Quotes
Pipe Puchase and Install_06-Panda	PDR_OP_16	m			524.44		#	1.0395315	m			$ 504.50	2018	2018 Golder Study - 2018 Vendor Quotes
Pipe Puchase and Install_07-Koala North	PDR_OP_17	m			524.44		#	1.0395315	m			$ 504.50	2018	2018 Golder Study - 2018 Vendor Quotes
Pipe Puchase and Install_08-Koala	PDR_OP_18	m			524.44		#	1.0395315	m			$ 504.50	2018	2018 Golder Study - 2018 Vendor Quotes
Pipe Puchase and Install_09-Lynx	PDR_OP_19	m			178.80		#	1.0395315	m			$ 172.00	2018	2018 Golder Study - 2018 Vendor Quotes
Pipe Puchase and Install_10-Jav	PDR_OP_20	m			729.75		#	1.0395315	m			$ 702.00	2018	2018 Golder Study - 2018 Vendor Quotes
Pump Maintenance_01-Misery	PDR_OP_21	yr*m			25,988.29		#	1.0395315	yr*m			$ 25,000.00	2018	2018 Golder Study - 10% Pump Capex
Pump Purchase_02-Pigeon	PDR_OP_22	each			248,448.02		#	1.0395315	each			$ 239,000.00	2018	2018 Golder Study - 2018 Vendor Quotes
Outflow Channel_11-Point Lake	PDR_OP_23	m3			88.95		#	1.1251981	m3			$ 79.05	2013	Assigned to be same as Lynx
Pipe Puchase and Install_11-Point Lake	PDR_OP_24	m3			54.95		#	1	m			$ 54.95	2021	
Tailings														
Vegetation Supplies (Seed. Fertilizer Plugs)	PDR_TA_01	L.S			1,083,565.77		1	1.1251981	L.S			$ 963,000.00	2013	$963,000 in 2013
Vegetation Equipment Capital Cost	PDR_TA_02	L.S			141,400.27		2	1.1251981	L.S			$ 125,667.00	2013	$125.667 in 2013

ITEM	COST CODE	UNITS	LOW $	HIGH $	SPECIFIED $	COMMENTS		Inflation	UNITS	LOW $	HIGH $	SPECIFIED $	Year	Source
Old Camp: Excavation of North Pond	PDR_TA_03	L.S			384,338.49		3	1.0223182	L.S			$ 375,948.00	2020	2020 Board RFD: → Proposed reduction in security from $633,664 to $375,948.
Rock Pile														
Aerial Seed	PDR RP 01	L.S			16,877.97		1	1.1251981	L.S			$ 15,000.00	2013	
Bldgs&Equip														
Panda/Koala/Beartooth Pit development	PDR BE 01	L.S			5,715,344.07		1	1.0395315	L.S			$ 5,498,000.00	2018	
Panda/Koala Underground development	PDR BE 02	L.S			706,881.41		2	1.0395315	L.S			$ 680,000.00	2018	
Fox development	PDR BE 03	L.S			225,578.33		3	1.0395315	L.S			$ 217,000.00	2018	
Misery development (Excluding Misery Camp Building	PDR BE 04	L.S			2,143,513.91		4	1.0395315	L.S			$ 2,062,000.00	2018	
Misery development (Jay Misery Camp buildings)	PDR BE 05	L.S			1,020,300.15		5	1.0395315	L.S			$ 981,500.00	2018	
Pigeon development	PDR BE 06	L.S			88,360.18		6	1.0395315	L.S			$ 85,000.00	2018	
Sable development	PDR BE 07	L.S			885,161.05		7	1.0395315	L.S			$ 851,500.00	2018	
Lynx development	PDR BE 08	L.S			67,569.55		8	1.0395315	L.S			$ 65,000.00	2018	
Jay development	PDR BE 09	L.S			345,852.17		9	1.0395315	L.S			$ 332,700.00	2018	
Culverts (Excluding Jay)	PDR BE 10	L.S			418,411.42		#	1.0395315	L.S			$ 402,500.00	2018	
Culverts (Jay)	PDR BE 11	L.S			36,383.60		#	1.0395315	L.S			$ 35,000.00	2018	
Powerlines (Excluding Jay)	PDR BE 12	L.S			555,785.51		#	1.0395315	L.S			$ 534,650.00	2018	
Powerlines (Jay)	PDR BE 13	L.S			98,079.80		#	1.0395315	L.S			$ 94,350.00	2018	
Pipelines (Excluding Jay)	PDR BE 14	L.S			649,707.17		#	1.0395315	L.S			$ 625,000.00	2018	
Pipelines (Jay)	PDR BE 15	L.S			506,459.74		#	1.0395315	L.S			$ 487,200.00	2018	
Bridges	PDR BE 16	L.S			280,673.50		#	1.0395315	L.S			$ 270,000.00	2018	
Capital Cost Seeding Equipment	PDR BE 17	L.S			114,316.49		#	1.0395315	L.S			$ 109,969.24	2018	
Pipelines (Point Lake Early Works)	PDR BE 18	L.S			23,826.00		#	1	L.S			$ 23,826.00	2021	new. per Point Lake Early Works LUP
Water														
Breach Jay Dike	PDR WA 01	L.S			1,787,241.52		1	1.0395315	L.S			$ 1,719,276.00	2018	
Turbidity Curtain	PDR WA 02	L.S			519,083.81		2	1.0395315	L.S			$ 499,344.00	2018	
Revegetate Shoreline	PDR WA 03	L.S			240,911.42		3	1.0395315	L.S			$ 231,750.00	2018	
Associated Streams - Re-establish drainage	PDR WA 04	L.S			304,289.94	Jay Early Works Reduction	4	1.0395315	L.S			$ 344,500.00	2018	
Regrade and armor channels	PDR WA 05	L.S			366,933.82		5	1.0395315	L.S			$ 352,980.00	2018	
Chemicals														
Waste batteries	PDR CH 01	kg			0.55		1	1.0395315	kg			$ 0.53	2018	$0.50 in 2013
Glycols Ship Off Site	PDR CH 02	litre			1.38		2	1.0395315	litre			$ 1.33	2018	$1.25 in 2013
Paints	PDR CH 03	litre			0.30		3	1.0395315	litre			$ 0.29	2018	$0.27 in 2013
Solvents	PDR CH 04	litre			0.83		4	1.0395315	litre			$ 0.80	2018	$0.75 in 2013
Explosives	PDR CH 05	allow			11,251.98		5	1.1251981	allow			$ 10,000.00	2013	$10,000 in 2013
Phase (1,2,3) ESA (Drilling and Sampling)	PDR_CH_06	L.S			495,690.27		6	1.1251981	L.S			$ 440,536.00	2013	$440,536 in 2013_ revert to previous costs for removal of Jay
Technician and Analysis	PDR CH 07	L.S			112,519.81		7	1.1251981	L.S			$ 100,000.00	2013	$100,000 in 2013
UG Mine														
Portal - bulkhead and cover entrance	PDR UG 01	L.S.			66,530.01		1	1.0395315	L.S.			$ 64,000.00	2018	$362,904 in 2013?
Cap fresh air raise - concrete cap	PDR UG 02	L.S.			81,959.60		2	1.0395315	L.S.			$ 78,842.83	2018	$158,358 in 2013?
PostClosure														
Closure Monitoring and Maintenance	PDR PC 01	yrs			165,285.51		1	1.0395315	yrs			$ 159,000.00	2018	
Site Wide (AEMP & SNP)- Primary Reclamation	PDR_PC_02	yrs			331,837.52	Less $50K for removal of Jay. Costs as per DDMI 2016 Jay Project RECLAIM support doc.	2	1.0395315	yrs			$ 371,000.00	2018	
Site Wide (AEMP & SNP)- Closure Monitoring	PDR PC 03	yrs			165,918.76	Less $25K for removal of Jay	3	1.0395315	yrs			$ 185,500.00	2018	
Site Wide (AEMP & SNP)- Pit Flooding Program	PDR PC 04	yrs			27,674.24	Less $5K for removal of Jay	4	1.0395315	yrs			$ 31,800.00	2018	
During Pit Flooding - Pit Water Quality Monitoring (SI	PDR PC 05	ears*pit lake			22,503.96		5	1.1251981	vears*pit lake			$ 20,000.00	2013	
Post Flooding - Pit Water Quality Monitoring (AEMP &	PDR PC 06	ears*pit lake			33,755.94		6	1.1251981	vears*pit lake			$ 30,000.00	2013	
Panda Diversion Inspections	PDR PC 07	yrs			1,652.86		7	1.0395315	yrs			$ 1,590.00	2018	
Geotechnical Inspections (Land)	PDR PC 08	yrs			58,039.90	Less $7.5K for removal of Jay	8	1.0395315	yrs			$ 63,600.00	2018	
Geotechnical Inspections (Permafrost)	PDR PC 09	yrs			47,020.87	Less $7.5K for removal of Jay	9	1.0395315	yrs			$ 53,000.00	2018	
Air Quality Monitoring Program (AQMP)	PDR PC 10	yrs			22,747.09	Less $5K for removal of Jay	#	1.1251981	yrs			$ 25,000.00	2013	
Wildlife Effects Monitoring Program (WEMP)	PDR PC 11	yrs			96,371.21	Less $15K for removal of Jay	#	1.1251981	yrs			$ 100,000.00	2013	
LLCF Vegetation Monitoring (VMP)	PDR PC 12	yrs			84,389.86		#	1.1251981	yrs			$ 75,000.00	2013	
Site Vegetation Monitoring (VMP)	PDR PC 13	yrs			28,373.08	Less $5K for removal of Jay	#	1.1251981	yrs			$ 30,000.00	2013	
Seepage Monitoring Program	PDR PC 14	yrs			58,229.88	Less $15K for removal of Jay	#	1.0395315	yrs			$ 71,550.00	2018	
Archaeology Monitoring Program	PDR PC 15	yrs			11,251.98		#	1.1251981	yrs			$ 10,000.00	2013	
Jay Turbity Monitoring	PDR PC 16	LS			334,063.84		#	1.0395315	LS			$ 321,360.00	2018	
Helicopter Support (Yrs 1-5)	PDR PC 17	yrs			129,941.43		#	1.0395315	yrs			$ 125,000.00	2018	
Helicopter Support (Yrs 6-10)	PDR PC 18	yrs			77,964.86		#	1.0395315	yrs			$ 75,000.00	2018	
Panda Dam Long Term Monitoring	PDR PC 19	LS			111,171.65		#	1.0395315	LS			$ 106,944.00	2018	
Point Lake During Pit Flooding - Pit Water Quality Mo	PDR PC 20	yrs			14,033.67		#	1.0395315	yrs			$ 13,500.00	2021	
Point Lake Post Flooding - Pit Water Quality Monitorir	PDR PC 21	yrs			14,033.67		#	1.0395315	yrs			$ 13,500.00	2021	
Point Lake Geotechnical Insections (Land)	PDR PC 22	yrs			1,559.30		#	1.0395315	yrs			$ 1,500.00	2021	
Point Lake Site Vegetation Monitoring (VMP)	PDR PC 23	yrs			1,559.30		#	1.0395315	yrs			$ 1,500.00	2021	
Point Lake Seepage Monitoring Program	PDR PC 24	yrs			8,836.02		#	1.0395315	yrs			$ 8,500.00	2021	
Mobilization														
Pipe Shipping	PDR MO 01	m			15.43		1	1.0395315	L.S.			$ 14.84	2018	
Pipe Shipping (Sable)	PDR MO 02	m			15.43		2	1.0395315	annual			$ 14.84	2018	
Pump Shipping	PDR MO 03	each			2,754.76		3	1.0395315	L.S.			$ 2,650.00	2018	
Pump Shipping (Sable)	PDR MO 04	each			2,754.76		4	1.0395315	L.S.			$ 2,650.00	2018	
Misc Tools and Equipment (Including Vegetation)	PDR MO 05	L.S.			110,190.34		5	1.0395315	L.S.			$ 106,000.00	2018	
Excavators. 3	PDR MO 06	L.S.			41,552.78		6	1.0395315	L.S.			$ 39,972.60	2018	
Dump Trucks. 12	PDR MO 07	L.S.			223,743.68		7	1.0395315	L.S.			$ 215,235.12	2018	
Dozers. 3	PDR MO 08	L.S.			415,523.35		8	1.0395315	L.S.			$ 399,721.76	2018	
Demolition Shears. 2	PDR MO 09	L.S.			27,701.85		9	1.0395315	L.S.			$ 26,648.40	2018	
Crane. 3	PDR MO 10	L.S.			41,552.78		#	1.0395315	L.S.			$ 39,972.60	2018	
*Truck Tires	PDR MO 11	L.S.			55,095.17		#	1.0395315	m			$ 53,000.00	2018	
Excavators. 3	PDR MO 12	L.S.			41,552.31		#	1.0395315	allow			$ 39,972.15	2018	
Dump Trucks. 12	PDR MO 13	L.S.			223,743.68		#	1.0395315	L.S.			$ 215,235.12	2018	
Dozers. 3	PDR MO 14	L.S.			415,523.35		#	1.0395315	each			$ 399,721.76	2018	
Demolition Shears. 2	PDR MO 15	L.S.			27,701.85		#	1.0395315	each			$ 26,648.40	2018	
Crane. 3	PDR MO 16	L.S.			41,552.78		#	1.0395315	allow			$ 39,972.60	2018	
Reclamation Activities Camp	PDR MO 17	allow			165,285.51		#	1.0395315	m			$ 159,000.00	2018	
Pit Flooding Camp	PDR MO 18	allow			82,642.75		#	1.0395315	L.S.			$ 79,500.00	2018	
Fuel Reserves	PDR_MO_19	litre	-1.07	1.36	1.36	Based on minimum remaining fuel reserves onsite; cost of diesel purchase ($1.13/L + fuel freight	#							
Interim Care & Maintenance	PDR MO 20	annual			2,450,235.30		#	1.0395315	L.S.			$ 2,357,057.34	2018	
Preparation of final Closure Plan	PDR MO 21	L.S.			1,101,903.37		#	1.0395315	L.S.			$ 1,060,000.00	2018	
Risk														
Panda Diversion Channel	PDR RI 01	L.S.			723,733.49		1	1.0395315	L.S.			$ 696,211.23	2018	
Misery WRSA Covering	PDR RI 02	L.S.			1,811,090.45		2	1.0395315	L.S.			$ 1,742,218.00	2018	