



# HOPE BAY JOINT VENTURE

**Miramar Hope Bay Ltd. – Hope Bay Gold Corporation Inc.**

*311 West First Street, North Vancouver, B.C. V7M 1B5*

*Phone 604-985-2572 Fax 604-980-0731*

23 May 2001

Mr. Philippe di Pizzo  
Executive Director  
Nunavut Water Board  
P.O. Box 119  
Gjoa Haven, NU, X0E 1J0

Dear Mr. di Pizzo,

**Re: Revised Abandonment and Restoration Plan - Hope Bay Joint Venture – Licence NWB1BOS9801**

In response to your letter dated March 26, 2001, we are pleased to submit two (2) copies of the revised "Abandonment and Restoration Plan – Boston Gold Project" dated May 2001 for water licence NWB1BOS9801.

The submission of this revised Abandonment and Restoration Plan, although provided as a requirement of water licence NWB1BOS9801 includes other components of the Hope Bay Project area. Also, this submission demonstrates the significant effort undertaken by the HBJV to address concurrent reclamation activities.

With the above in mind and following your review of the submitted plan, the HBJV is confident that NWB approval, including a reduction in bonding levels will be forthcoming. Should you require clarification on anything related to this matter, please do not hesitate to contact the undersigned at the numbers above, on cell # 780-975-2550 or by e-mail to:

[hwilson@miramarmining.com](mailto:hwilson@miramarmining.com);

[hugh\\_r\\_wilson@hotmail.com](mailto:hugh_r_wilson@hotmail.com)

[terrbear@powersurfr.com](mailto:terrbear@powersurfr.com).

Yours truly,

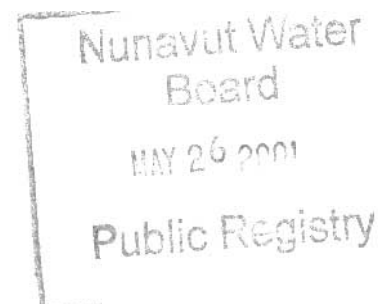
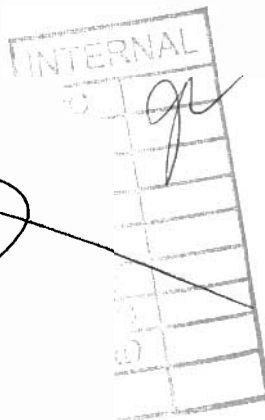
  
Hugh R. Wilson  
Manager, Environmental Affairs

Cc: HBJV Management Committee

A. Fleming, Exploration Manager HBJV

T. Mahoney, Project Manager HBJV-Boston

D. Mablick, Environmental Technician- HBJV





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*311 West First Street, North Vancouver, B.C. V7M 1B5 Canada*

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## **ABANDONMENT AND RESTORATION PLAN**

**BOSTON GOLD PROJECT**

**WATER LICENCE NWB1BOS9801**

**PREPARED FOR AND SUBMITTED TO**

**THE NUNAVUT WATER BOARD BY**

**THE HOPE BAY JOINT VENTURE**

**MAY 2001**

## Introduction

This Abandonment and Restoration Plan is submitted by the Hope Bay Joint Venture (HBJV) as requested by the Nunavut Water Board (NWB) in their letter dated March 26, 2001 and a result of our submission of the renewal application for Water License NWB1BOS9801 for the Boston Gold Project. This Plan covers activities at the Boston site, the Windy site and the exploration activities throughout the Hope Bay belt. The bulk of any reclamation activity will however, be concentrated at the Boston site, due mainly to the presence of the major infrastructure for the project area. The submission of this revised Abandonment and Restoration Plan, although provided as a requirement of water licence NWB1BOS9801 includes other components of the Hope Bay Project area are also covered.

The Boston Gold Project is located on Aimaogaktag (Spyder) Lake at Latitude 67 degrees 39 Minutes North and Longitude 106 degrees 22 Minutes West, approximately 65 kms south of Melville Sound and approximately 160 kms southwest of Cambridge Bay. The closest communities to the project area are Umingmaktok located approximately 65 kms to the west and Bathurst Inlet, located approximately 110 kms to the southwest.

Since acquiring the project in late 1999, the Hope Bay Joint Venture (comprised of Miramar Hope Bay Ltd and Hope Bay Gold Corp) concentrated activities on advanced exploration programs with the objective of increasing confidence in existing geological information to advance the project to a feasibility study and eventual production decision.

In conjunction with the advanced exploration activities, the HBJV expended considerable time and effort to cleanup the remnants of previous activities throughout the belt and the Boston site in particular.. This initiative has considerably reduced the reclamation liability in the project area. The revised plan as submitted provides the necessary level of detail to support reclamation for the remainder of the current "advanced exploration" activities. It is understood that once the project proceeds to feasibility and construction, a more comprehensive abandonment and restoration plan will be provided.

## **ABANDONMENT AND RESTORATION STRATEGY:**

The abandonment and restoration strategy for the Hope Bay project area focuses on two main areas:

- “Boston Camp Area”
- Facilities and affected areas “Outside Boston Camp Area”, plus

A summary of the clean-up activities and material removed from the project area in 2000 and 2001 is provided with the intent of giving the NWB a perspective of the considerable effort undertaken by the HBJV to clean-up the historical remnants of previous activities. The revised plan provides listings of current on site equipment as well, a work plan to complete the abandonment and restoration activities. Included in this plan is the construction of an approved “Solid Waste Disposal Facility” at the Boston site to dispose of solid waste material either remaining on site or generated from continued activity.

The main headings for the abandonment and restoration activities and which apply to the two main areas above, include:

- Buildings and other Surface Infrastructure,
- Drill site cleanup,
- Fuel and chemical storage areas,
- Solid waste and Sewage Treatment facilities,
- Roadways and Airstrip,
- Underground Openings,
- Surface Contouring and Rehabilitation,
- Site Cleanup in 2000 and 2001,
- Schedule,
- Cost estimate, and
- Current bonding requirements.
- Closing comments

### **Buildings and other Surface Infrastructure:**

Buildings and other infrastructure on the Hope Bay Belt will be dismantled and either removed or burned. If burned, ash and other remnants will be collected in empty drums or disposed of into the solid waste disposal area. Building materials that are not burned or salvageable, will be placed into the Boston underground workings or the solid waste disposal area and buried. In 2001, eight bulk fuel tanks (6-77,000L and 2-33,500L) were installed in an engineered and lined tank farm. The revised plan now includes hauling the fuel tanks to Roberts Bay for back haul by barge and re-contouring the perimeter berms at the tank farm. See Photos 1 and 2 for general overview of camps.

### **Drill Site Cleanup:**

Existing drill sites will require remediation, primarily with respect to exposed drill steel. This will be cut off at ground level, relocated to the Boston site and disposed of in the solid waste disposal site or placed underground.



Photo 1: Summer 2000 aerial view of the Boston site.

### **Fuel and Chemical Storage Areas:**

In addition to the Fuel tanks mentioned above, there are two (2) 70,000 L and one (1) 40,000L Enviro-tanks located in the belt, they would be re-located to Roberts Bay for subsequent barge shipment. There are no major chemical storage facilities in the belt. The main commodity is drilling salt which is stored in approved areas close to the current exploration activities. Any unused material will be re-located to Roberts Bay for subsequent barge shipment.

### **Solid Waste and Sewage Treatment Facilities:**

Incinerators at both camps are used for combustible wastes such as wood, cardboard, paper and food scraps and this practice will continue throughout current activities. The incinerators will be salvaged or disposed of into the solid waste disposal area. All non-combustible steel, scrap metal, used equipment parts etc. will be disposed of into the solid waste disposal area.

Sewage treatment facilities (2 – Rotating Biological Contactors) one (1) located at each camp will be dismantled, salvaged or disposed of in an approved manner.



Photo 2: Summer 2000 aerial view of the Windy Camp.

### **Roadways and Airstrip:**

Existing roadways will be left in tact if required or will be scarified to support vegetative growth. The airstrip will be left in place for emergency purposes. The roadways and airstrip were constructed using development rock from the underground exploration program and existing test work indicates that this material exhibits a **low** acid generating potential.

### **Underground Openings:**

At present there are two underground openings at the Boston site. One is the portal decline access to the underground and the other is a ventilation raise. Once all waste material and scrap are disposed of underground, both these openings will be capped and sealed in accordance with mine safety regulations.

### **Surface Contouring and Rehabilitation- Ore and Development Rock:**

The ore stockpiles created from the bulk sampling program, if not processed, will either be re-contoured to ensure long term stability to provide some relief as well as to enhance habitat for small mammals, or be placed underground. To date, all development rock was used in the construction of roads, lay-down areas, settling ponds and the airstrip, remedial action is not required. To date all existing test work indicates that these materials exhibit a **low** acid generating potential, however; additional test work will continue throughout the advanced exploration phase and final remedial action will be provided.

### **Site Cleanup in 2000 and 2001:**

As mentioned earlier, the HBJV acquired the Hope Bay Project from BHP in late 1999. The focus in 2000 was to continue with advanced exploration activities, increase confidence in the resource and while doing so, initiate a program that would begin to address the remnant waste, rubbish and scrap in the belt.

In 2000, approximately 100 tonnes of material were removed using backhaul aircraft to Yellowknife. A total of 22 flights including 16 by Hercules aircraft were used during the backhaul exercise. The following table summarizes the material removed.

| <b>Ash Drums</b> | <b>Waste Oils</b> | <b>Empty Drums</b> | <b>Drums Contaminated soil to Ekati</b> | <b>Empty Propane</b> | <b>Pallets</b> | <b>Other</b> |
|------------------|-------------------|--------------------|---|----------------------|----------------|--------------|
| 210              | 150               | 1972               | 87                                      | 137                  | 5              | 10           |

Waste oil (150 barrels) was recycled through the Petro Canada facility in Yellowknife. The 87 drums of contaminated soil was delivered to the Ekati mine as part of the purchase agreement. The Ash drums, empty drums, empty propane bottles were either disposed of or recycled. The pallets and material under the "other" category were disposed of in the appropriate land fill.

In 2001, approximately 70 tonnes have been backhauled to Yellowknife. The following table summarizes the material removed to date from the belt in 2001.

| <b>Ash Drums</b> | <b>Waste Oils</b> | <b>Empty Drums</b> | <b>Scrap steel, drill rods etc</b> | <b>Empty Propane</b> | <b>Pallets</b> | <b>Other</b> |
|------------------|-------------------|--------------------|------------------------------------|----------------------|----------------|--------------|
| 50               | 135               | 507                | 30 tonnes est.                     | 23                   | 40             | 10           |

All material was taken to Yellowknife. Waste oil (est. 135 barrels) will be recycled through the Petro Canada facility in Yellowknife. The ash drums, empty drums, empty propane and acetylene bottles were either disposed of in the appropriate landfill or recycled. Scrap steel, drills rods, pallets and material listed under "other" were disposed of in the appropriate landfill.

Other material that has been positioned to date at Roberts Bay and prepared for shipment south on the barge includes :

- Approximately 3000 crushed barrels
- Two sea-containers of scrap steel

To continue the cleanup as undertaken by the HBJV, it is now our intention to dispose of solid waste on site in a solid waste disposal facility to be constructed at Boston.

#### **Schedule:**

Should this Abandonment and Restoration plan be implemented, it is the HBJV's intention to complete as much of the work as possible in one season thereby minimizing mobilization and de-mobilization costs. However, dependent on weather conditions, it may be necessary to delay the demobilization of materials until the following year. Without unexpected delays, the work is expected to take 150 days.

#### **Cost Estimate:**

The Hope Bay Joint Venture (HBJV) commissioned Nuna Logistics, an Inuit owned logistics and northern construction company with considerable experience in the north to prepare the schedule of activities and cost estimate. This cost estimate covers all facilities and infrastructure currently in use by the HBJV in the Hope Bay Project area.

Based on Nuna Logistics review of the work involved, they have estimated a total cost including contingencies at **\$1,578,000.00** (based on constant Year 2001 dollars).

Appendix 1 provides the cost estimate prepared by Nuna Logistics consisting of twelve (12) schedules, which outline the level of effort in actual tasks, days required, equipment needs and itemized components to be addressed.



**Current Bonding Requirements:**

Water Licence NWB1BOS9801 requires a bond in the amount of **\$1,700,000.00**. This bond amount is covered by appropriate Letters of Credit (LOC's) and was provided in full effective January 1, 2001. Furthermore, the HBJV has provided a Letter of Credit to the Kitikmeot Inuit Association and in the amount of **\$750,000.00** for activities associated with land use permit number KTL399C028.

Based on the current total bonding level provided by the HBJV of **\$2,450,000.00**, and the revised cost estimate provided by Nuna Logistics to complete all restoration activities at **\$1,578,000.00**, a reduction of the total bonding requirement in the order of **\$872,000.00** is warranted.

**Closing Comments:**

The revised Abandonment and Restoration Plan demonstrates the significant effort undertaken by the HBJV to address concurrent reclamation activities. This has resulted in a considerable reduction to the costs remaining to complete reclamation as confirmed by the current estimate. The HBJV believes that our demonstrated commitment to environmental management and our cleanup effort in the Hope Bay project area justifies a reduction in current bonding levels.

APPENDIX 1  
SCHEDULE OF ACTIVITIES  
COST BREAKDOWN

**Hope Bay Joint Venture  
Hope Bay Gold Belt  
Reclamation Project**

Prepared By Nuna Logistics Ltd.

05/01/01

W.G.P.

**Schedule 1: Overall Summary**

**Direct Costs (\$thousands)**

**Boston Camp**

|                        | Season 1        | Season 2    | Season 3    | Season 4    | Season 5    | TOTAL           |
|------------------------|-----------------|-------------|-------------|-------------|-------------|-----------------|
| Drillhole Reclamation  | \$ 26.0         | \$ -        | \$ -        | \$ -        | \$ -        | \$ 26.0         |
| Infrastructure Removal | \$ 268.1        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 268.1        |
| Pad Reclamation        | \$ 109.6        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 109.6        |
| Garbage Cleanup (Belt) | \$ 52.0         | \$ -        | \$ -        | \$ -        | \$ -        | \$ 52.0         |
| <b>Subtotal</b>        | <b>\$ 455.8</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 455.8</b> |

**Outside Boston**

|                        |                 |             |             |             |             |                 |
|------------------------|-----------------|-------------|-------------|-------------|-------------|-----------------|
| Drillhole Reclamation  | \$ 25.5         | \$ -        | \$ -        | \$ -        | \$ -        | \$ 25.5         |
| Infrastructure Removal | \$ 129.0        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 129.0        |
| Pad Reclamation        | \$ 9.5          | \$ -        | \$ -        | \$ -        | \$ -        | \$ 9.5          |
| <b>Subtotal</b>        | <b>\$ 163.9</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 163.9</b> |
| <b>Subtotal</b>        | <b>\$ 619.7</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 619.7</b> |

**Indirect Costs**

**Hope Bay Belt**

|                                 | Season 1        | Season 2    | Season 3    | Season 4    | Season 5    | TOTAL           |
|---------------------------------|-----------------|-------------|-------------|-------------|-------------|-----------------|
| Mobilization and Demobilization | \$ 417.2        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 417.2        |
| Accommodation                   | \$ 119.5        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 119.5        |
| Transportation                  | \$ 25.5         | \$ -        | \$ -        | \$ -        | \$ -        | \$ 25.5         |
| Management and Administration   | \$ 40.1         | \$ -        | \$ -        | \$ -        | \$ -        | \$ 40.1         |
| Revegetation                    | \$ 150.0        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 150.0        |
| <b>Subtotal</b>                 | <b>\$ 762.3</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 762.3</b> |

|                      |                   |             |             |             |             |                   |
|----------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
| <b>Total Project</b> | <b>\$ 1,372.0</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,372.0</b> |
|----------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|

|                    |                 |             |             |             |             |                 |
|--------------------|-----------------|-------------|-------------|-------------|-------------|-----------------|
| <b>Contingency</b> | <b>\$ 205.8</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 205.8</b> |
|--------------------|-----------------|-------------|-------------|-------------|-------------|-----------------|

|                            |                   |             |             |             |             |                   |
|----------------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
| <b>Total Cost Estimate</b> | <b>\$ 1,577.8</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,577.8</b> |
|----------------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|

**Hope Bay Joint Venture  
Hope Bay Gold Belt  
Reclamation Project**

Prepared By Nuna Logistics Ltd.

05/01/01

W.G.P.

**Schedule 2: Drill Steel Removal - Boston Camp**

|                               | Season 1 | Season 2 | Season 3 | Season 4 | Season 5 |
|-------------------------------|----------|----------|----------|----------|----------|
| <b>Hole Parameters</b>        |          |          |          |          |          |
| Number Of Drillholes          | 170      | -        | -        | -        | -        |
| Working Hours Per Day         | 12       | -        | -        | -        | -        |
| Minutes Between Holes         | 20       | -        | -        | -        | -        |
| Time Per Hole                 | 30       | -        | -        | -        | -        |
| Holes Per Hour                | 1.3      | -        | -        | -        | -        |
| Holes Per Day                 | 16.0     | -        | -        | -        | -        |
| Required Number of Days       | 11       | -        | -        | -        | -        |
| <b>Labour Requirements</b>    |          |          |          |          |          |
| Welder                        | 1        | -        | -        | -        | -        |
| Electrician                   | -        | -        | -        | -        | -        |
| Carpenter                     | -        | -        | -        | -        | -        |
| Labourer                      | 2        | -        | -        | -        | -        |
| Equipment Operators           | -        | -        | -        | -        | -        |
| <b>Subtotal</b>               | 3        | -        | -        | -        | -        |
| <b>Equipment Requirements</b> |          |          |          |          |          |
| Helicopter                    | 1        | -        | -        | -        | -        |
| <b>Equipment Utilization</b>  |          |          |          |          |          |
| Helicopter                    | 10%      | 0%       | 0%       | 0%       | 0%       |
| <b>Direct Labour Costs</b>    |          |          |          |          |          |
| Welder                        | \$ 6.1   | \$ -     | \$ -     | \$ -     | \$ -     |
| Electrician                   | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| Carpenter                     | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| Labourer                      | \$ 9.7   | \$ -     | \$ -     | \$ -     | \$ -     |
| Equipment Operators           | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| <b>Subtotal</b>               | \$ 15.8  | \$ -     | \$ -     | \$ -     | \$ -     |
| <b>Direct Equipment Costs</b> |          |          |          |          |          |
| Helicopter                    | \$ 10.2  | \$ -     | \$ -     | \$ -     | \$ -     |
| <b>Subtotal</b>               | \$ 10.2  | \$ -     | \$ -     | \$ -     | \$ -     |
| <b>Total</b>                  | \$ 26.0  | \$ -     | \$ -     | \$ -     | \$ -     |

**Schedule 3: Drill Steel Removal - Outside Boston**

|   | Season 1 | Season 2 | Season 3 | Season 4 | Season 5 |
|---|----------|----------|----------|----------|----------|
| <b>Hole Parameters</b>                      |          |          |          |          |          |
| Number Of Drillholes                        | 125      | -        | -        | -        | -        |
| Working Hours Per Day                       | 12       | -        | -        | -        | -        |
| Minutes Between Holes                       | 30       | -        | -        | -        | -        |
| Time Per Hole                               | 30       | -        | -        | -        | -        |
| Holes Per Hour                              | 1        | -        | -        | -        | -        |
| Holes Per Day                               | 12       | -        | -        | -        | -        |
| Required Number of Days                     | 10       | -        | -        | -        | -        |
| <b>Labour Requirements</b>                  |          |          |          |          |          |
| Welder                                      | 1        | -        | -        | -        | -        |
| Electrician                                 | -        | -        | -        | -        | -        |
| Carpenter                                   | -        | -        | -        | -        | -        |
| Labourer                                    | 2        | -        | -        | -        | -        |
| Equipment Operators                         | -        | -        | -        | -        | -        |
| <b>Subtotal</b>                             | 3        | -        | -        | -        | -        |
| <b>Equipment Requirements</b>               |          |          |          |          |          |
| Helicopter                                  | 1        | -        | -        | -        | -        |
| <b>Equipment Utilization</b>                |          |          |          |          |          |
| Helicopter                                  | 10%      | 0%       | 0%       | 0%       | 0%       |
| <b>Direct Labour Costs (\$thousands)</b>    |          |          |          |          |          |
| Welder                                      | \$ 6.0   | \$ -     | \$ -     | \$ -     | \$ -     |
| Electrician                                 | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| Carpenter                                   | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| Labourer                                    | \$ 9.5   | \$ -     | \$ -     | \$ -     | \$ -     |
| Equipment Operators                         | \$ -     | \$ -     | \$ -     | \$ -     | \$ -     |
| <b>Subtotal</b>                             | \$ 15.5  | \$ -     | \$ -     | \$ -     | \$ -     |
| <b>Direct Equipment Costs (\$thousands)</b> |          |          |          |          |          |
| Helicopter                                  | \$ 10.0  | \$ -     | \$ -     | \$ -     | \$ -     |
| <b>Subtotal</b>                             | \$ 10.0  | \$ -     | \$ -     | \$ -     | \$ -     |
| <b>Total</b>                                | \$ 25.5  | \$ -     | \$ -     | \$ -     | \$ -     |

Hope Bay Joint Venture  
Hope Bay Gold Belt  
Reclamation Project

Prepared By Nuna Logistics Ltd.  
05/01/01  
W.G.P.

Schedule 4: Infrastructure Removal & U/G Prep. Boston Camp

| Removal Time (days)                          | Season 1        | Season 2    | Season 3    | Season 4    | Season 5    |
|--|-----------------|-------------|-------------|-------------|-------------|
| Trailer Complex                              | 6               | -           | -           | -           | -           |
| Generator Trailer                            | 2               | -           | -           | -           | -           |
| Tool Shop                                    | 1               | -           | -           | -           | -           |
| Splitting Tent                               | 1               | -           | -           | -           | -           |
| Techning Tent                                | 1               | -           | -           | -           | -           |
| Logging Tent                                 | 1               | -           | -           | -           | -           |
| Procon Shop                                  | 5               | -           | -           | -           | -           |
| Drill Shop                                   | 2               | -           | -           | -           | -           |
| Crusher Enclosure                            | 10              | -           | -           | -           | -           |
| Assorted Sheds                               | 2               | -           | -           | -           | -           |
| Weatherhaven Tents                           | 2               | -           | -           | -           | -           |
| Prefab Offices                               | 3               | -           | -           | -           | -           |
| 77,000L Tanks                                | 5               | -           | -           | -           | -           |
| 35,000L Tanks                                | 3               | -           | -           | -           | -           |
| Power Lines and Water Lines                  | 2               | -           | -           | -           | -           |
| <b>TOTAL</b>                                 | <b>46</b>       | <b>-</b>    | <b>-</b>    | <b>-</b>    | <b>-</b>    |
| <b>Labour Requirements</b>                   |                 |             |             |             |             |
| Welder                                       | 1               | -           | -           | -           | -           |
| Electrician                                  | 1               | -           | -           | -           | -           |
| Carpenter                                    | 1               | -           | -           | -           | -           |
| Labourer                                     | 2               | -           | -           | -           | -           |
| Equipment Operators                          | 1               | -           | -           | -           | -           |
|  | <b>6</b>        | <b>-</b>    | <b>-</b>    | <b>-</b>    | <b>-</b>    |
| <b>Equipment Requirements</b>                |                 |             |             |             |             |
| D6 Dozer                                     | -               | -           | -           | -           | -           |
| 966 Loader                                   | 1               | -           | -           | -           | -           |
| 3.5 Yd. Scoop                                | -               | -           | -           | -           | -           |
| 26 Tonne Truck                               | -               | -           | -           | -           | -           |
| Kubota                                       | 1               | -           | -           | -           | -           |
| <b>Equipment Utilization</b>                 |                 |             |             |             |             |
| D6 Dozer                                     | 0%              | 0%          | 0%          | 0%          | 0%          |
| 966 Loader                                   | 70%             | 0%          | 0%          | 0%          | 0%          |
| 3.5 Yd. Scoop                                | 0%              | 0%          | 0%          | 0%          | 0%          |
| 26 Tonne Truck                               | 0%              | 0%          | 0%          | 0%          | 0%          |
| Kubota                                       | 30%             | 0%          | 0%          | 0%          | 0%          |
| <b>Direct Labour Costs</b>                   |                 |             |             |             |             |
| Trades/Labour                                | \$ 123.1        |             |             |             |             |
| Operators                                    | \$ 25.7         |             |             |             |             |
| <b>Subtotal</b>                              | <b>\$ 148.8</b> |             |             |             |             |
| <b>Direct Equipment Costs</b>                |                 |             |             |             |             |
| D6 Dozer                                     | \$ -            | \$ -        | \$ -        | \$ -        | \$ -        |
| 966 Loader                                   | \$ 34.9         | \$ -        | \$ -        | \$ -        | \$ -        |
| 3.5 Yd. Scoop                                |                 |             |             |             |             |
| 26 Tonne Truck                               |                 |             |             |             |             |
| Kubota                                       |                 |             |             |             |             |
| <b>Subtotal</b>                              | <b>\$ 8.3</b>   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>Underground Contractor</b>                |                 |             |             |             |             |
| Place Building Materials and Scrap Steel U/G |                 |             |             |             |             |
| <b>Subtotal</b>                              | <b>\$ 43.1</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>TOTAL</b>                                 | <b>\$ 268.1</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |

Hope Bay Joint Venture  
Hope Bay Gold Belt  
Reclamation Project

Prepared By Nuna Logistics Ltd.  
05/01/01  
W.G.P.

Schedule 8: Garbage Removal Hope Bay Belt

| Task   | Season 1       | Season 2    | Season 3    | Season 4    | Season 5    |
|--|----------------|-------------|-------------|-------------|-------------|
| Collect 1000 Drums @ Boston                  | 4              | -           | -           | -           | -           |
| Collect 75 Drums @ North Patch               | 0.5            | -           | -           | -           | -           |
| Collect 40 Drums @ Wolverine                 | 0.5            | -           | -           | -           | -           |
| Burn and Crush Empty Drums                   | 7              | -           | -           | -           | -           |
| Collect for Disposal Underground             | 2              | -           | -           | -           | -           |
| Dig Out Sleds of Scrap Metal                 | 3              | -           | -           | -           | -           |
| Misc. General Cleanup                        | 3              | -           | -           | -           | -           |
| <b>Subtotal</b>                              | <b>20</b>      | <b>0</b>    | <b>0</b>    | <b>0</b>    | <b>0</b>    |
| <b>Labour Requirements</b>                   |                |             |             |             |             |
| Welder                                       | -              | -           | -           | -           | -           |
| Electrician                                  | -              | -           | -           | -           | -           |
| Carpenter                                    | -              | -           | -           | -           | -           |
| Labourer                                     | 3              | -           | -           | -           | -           |
| Equipment Operators                          | -              | -           | -           | -           | -           |
| <b>Subtotal</b>                              | <b>3</b>       | <b>-</b>    | <b>-</b>    | <b>-</b>    | <b>-</b>    |
| <b>Equipment Requirements</b>                |                |             |             |             |             |
| D6 Dozer                                     | -              | -           | -           | -           | -           |
| 966 Loader                                   | -              | -           | -           | -           | -           |
| 3.5 Yd. Scoop                                | -              | -           | -           | -           | -           |
| 26 Tonne Truck                               | -              | -           | -           | -           | -           |
| Kubota                                       | 1              | -           | -           | -           | -           |
| <b>Equipment Utilization</b>                 |                |             |             |             |             |
| D6 Dozer                                     | 0%             | 0%          | 0%          | 0%          | 0%          |
| 966 Loader                                   | 0%             | 0%          | 0%          | 0%          | 0%          |
| 3.5 Yd. Scoop                                | 0%             | 0%          | 0%          | 0%          | 0%          |
| 26 Tonne Truck                               | 0%             | 0%          | 0%          | 0%          | 0%          |
| Kubota                                       | 80%            | 0%          | 0%          | 0%          | 0%          |
| <b>Direct Labour Costs</b>                   |                |             |             |             |             |
| Trades/Labour                                | \$ 27.3        | \$ -        | \$ -        | \$ -        | \$ -        |
| Operators                                    | \$ -           | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Subtotal</b>                              | <b>\$ 27.3</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>Direct Equipment Costs</b>                |                |             |             |             |             |
| D6 Dozer                                     | \$ -           | \$ -        | \$ -        | \$ -        | \$ -        |
| 966 Loader                                   | \$ -           | \$ -        | \$ -        | \$ -        | \$ -        |
| 3.5 Yd. Scoop                                |                |             |             |             |             |
| 26 Tonne Truck                               |                |             |             |             |             |
| Kubota                                       |                |             |             |             |             |
| <b>Subtotal</b>                              | <b>\$ 9.6</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>Underground Contractor (\$ thousands)</b> |                |             |             |             |             |
| Transport Garbage U/G                        |                |             |             |             |             |
| <b>Subtotal</b>                              | <b>\$ 15.1</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>TOTAL</b>                                 | <b>\$ 52.0</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |

Hope Bay Joint Venture  
 Hope Bay Gold Belt  
 Reclamation Project

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Schedule 5: Infrastructure Removal - Outside Boston Camp

| Removal Time (days)                          | Season 1        | Season 2    | Season 3    | Season 4    | Season 5    |
|--|-----------------|-------------|-------------|-------------|-------------|
| 14x16 Wood Framed Tents                      | 0.5             | -           | -           | -           | -           |
| 14x20 Wood Framed Tents                      | 0.5             | -           | -           | -           | -           |
| 14x32 Wood Framed Tents                      | 0.5             | -           | -           | -           | -           |
| 14x32 Weatherhaven Tents                     | 0.5             | -           | -           | -           | -           |
| 14x16 Weatherhaven Tents                     | 0.5             | -           | -           | -           | -           |
| 12x16 Weatherhaven Tents                     | 0.5             | -           | -           | -           | -           |
| 16x26 Prefab Building                        | 2               | -           | -           | -           | -           |
| Generator Sheds                              | 2               | -           | -           | -           | -           |
| 10x32 Dock                                   | 1.0             | -           | -           | -           | -           |
| 8x20 Sea Container                           | 0.5             | -           | -           | -           | -           |
| 14x16 Wooden Building                        | 2               | -           | -           | -           | -           |
| Dry/Shower Facilities - new 2001             | 3               | -           | -           | -           | -           |
| RBC sewage treatment unit - new 2001         | 3               | -           | -           | -           | -           |
| Timber structures - new 2001                 | 4               | -           | -           | -           | -           |
| Power Lines and Water Lines                  | 2               | -           | -           | -           | -           |
| <b>TOTAL</b>                                 | <b>23</b>       | <b>-</b>    | <b>-</b>    | <b>-</b>    | <b>-</b>    |
| <b>Labour Requirements</b>                   |                 |             |             |             |             |
| Welder                                       | 1               | -           | -           | -           | -           |
| Electrician                                  | 1               | -           | -           | -           | -           |
| Carpenter                                    | 1               | -           | -           | -           | -           |
| Labourer                                     | 2               | -           | -           | -           | -           |
| Equipment Operators                          | 1               | -           | -           | -           | -           |
|  | <b>6</b>        | <b>-</b>    | <b>-</b>    | <b>-</b>    | <b>-</b>    |
| <b>Equipment Requirements</b>                |                 |             |             |             |             |
| D6 Dozer                                     | -               | -           | -           | -           | -           |
| 966 Loader                                   | 1               | -           | -           | -           | -           |
| 3.5 Yd. Scoop                                | -               | -           | -           | -           | -           |
| 26 Tonne Truck                               | -               | -           | -           | -           | -           |
| Kubota                                       | 1               | -           | -           | -           | -           |
| <b>Equipment Utilization</b>                 |                 |             |             |             |             |
| D6 Dozer                                     | 0%              | 0%          | 0%          | 0%          | 0%          |
| 966 Loader                                   | 50%             | 0%          | 0%          | 0%          | 0%          |
| 3.5 Yd. Scoop                                | 0%              | 0%          | 0%          | 0%          | 0%          |
| 26 Tonne Truck                               | 0%              | 0%          | 0%          | 0%          | 0%          |
| Kubota                                       | 50%             | 0%          | 0%          | 0%          | 0%          |
| <b>Direct Labour Costs (\$thousands)</b>     |                 |             |             |             |             |
| Trades/Labour                                | \$ 60.2         | \$ -        | \$ -        | \$ -        | \$ -        |
| Operators                                    | \$ 12.6         | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Subtotal</b>                              | <b>\$ 72.8</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>Direct Equipment Costs (\$thousands)</b>  |                 |             |             |             |             |
| D6 Dozer                                     | \$ -            | \$ -        | \$ -        | \$ -        | \$ -        |
| 966 Loader                                   | \$ 12.2         | \$ -        | \$ -        | \$ -        | \$ -        |
| 3.5 Yd. Scoop                                | \$ -            | \$ -        | \$ -        | \$ -        | \$ -        |
| 26 Tonne Truck                               | \$ -            | \$ -        | \$ -        | \$ -        | \$ -        |
| Kubota                                       | \$ 6.8          | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Subtotal</b>                              | <b>\$ 18.9</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>Underground Contractor (\$thousands)</b>  |                 |             |             |             |             |
| Place Building Materials and Scrap Steel U/G |                 |             |             |             |             |
| <b>Subtotal</b>                              | <b>\$ 37.3</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>TOTAL</b>                                 | <b>\$ 129.0</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |

**Hope Bay Joint Venture  
Hope Bay Gold Belt  
Reclamation Project**

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**Schedule 6: Boston Camp Pad Reclamation**

| Reclamation Task (days)                      | Season 1        | Season 2    | Season 3    | Season 4    | Season 5    |
|--|-----------------|-------------|-------------|-------------|-------------|
| Plug Decline Portal                          | 2               | -           | -           | -           | -           |
| Plug Vent Raise                              | 4               | -           | -           | -           | -           |
| Contour Ore Stockpile                        | 7               | -           | -           | -           | -           |
| Contour Camp Pad                             | 10              | -           | -           | -           | -           |
| Place Cover on Stockpile                     | 7               | -           | -           | -           | -           |
| <b>Subtotal</b>                              | <b>30</b>       | <b>-</b>    | <b>-</b>    | <b>-</b>    | <b>-</b>    |
| <b>Equipment Required</b>                    |                 |             |             |             |             |
| D6 Dozer                                     | 1               | -           | -           | -           | -           |
| 966 Loader                                   | 1               | -           | -           | -           | -           |
| 3.5 Yd. Scoop                                | 1               | -           | -           | -           | -           |
| 26 Tonne Truck                               | 1               | -           | -           | -           | -           |
| Kubota                                       |                 |             |             |             |             |
| <b>Utilization</b>                           |                 |             |             |             |             |
| D6 Dozer                                     | 80%             | 0%          | 0%          | 0%          | 0%          |
| 966 Loader                                   | 40%             | 0%          | 0%          | 0%          | 0%          |
| 3.5 Yd. Scoop                                | 0%              | 0%          | 0%          | 0%          | 0%          |
| 26 Tonne Truck                               | 0%              | 0%          | 0%          | 0%          | 0%          |
| Kubota                                       | 0%              | 0%          | 0%          | 0%          | 0%          |
| <b>Productive Hours Required</b>             |                 |             |             |             |             |
| D6 Dozer                                     | 216             | -           | -           | -           | -           |
| 966 Loader                                   | 114             | -           | -           | -           | -           |
| 3.5 Yd. Scoop                                | -               | -           | -           | -           | -           |
| 26 Tonne Truck                               | -               | -           | -           | -           | -           |
| Kubota                                       | -               | -           | -           | -           | -           |
| <b>Equipment Costs (\$ thousands)</b>        |                 |             |             |             |             |
| D6 Dozer                                     | \$ 17.3         | \$ -        | \$ -        | \$ -        | \$ -        |
| 966 Loader                                   | \$ 10.3         | \$ -        | \$ -        | \$ -        | \$ -        |
| 3.5 Yd. Scoop                                |                 |             |             |             |             |
| 26 Tonne Truck                               |                 |             |             |             |             |
| Kubota                                       |                 |             |             |             |             |
| <b>Subtotal</b>                              | <b>\$ 27.6</b>  |             |             |             |             |
| <b>Labour</b>                                |                 |             |             |             |             |
| <b>Operators (per shift)</b>                 |                 |             |             |             |             |
| Operators                                    | 2               | -           | -           | -           | -           |
| Drivers                                      | -               | -           | -           | -           | -           |
| <b>Mechanical (per shift)</b>                |                 |             |             |             |             |
| Mechanics                                    | 1               | -           | -           | -           | -           |
| Welders                                      |                 |             |             |             |             |
| Total On-Site                                | 3               |             |             |             |             |
| <b>Labour Costs (\$ thousands)</b>           |                 |             |             |             |             |
| Operators                                    | \$ 33.6         | \$ -        | \$ -        | \$ -        | \$ -        |
| Mechanics                                    | \$ 18.3         | \$ -        | \$ -        | \$ -        | \$ -        |
| Drivers                                      | \$ -            | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Subtotal</b>                              | <b>\$ 51.9</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>Underground Contractor (\$ thousands)</b> |                 |             |             |             |             |
| Plug Decline Portal                          | \$ 10.0         | \$ -        | \$ -        | \$ -        | \$ -        |
| Plug Vent Raise                              | \$ 20.1         | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Subtotal</b>                              | <b>\$ 30.1</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>TOTAL</b>                                 | <b>\$ 109.6</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |

**Hope Bay Joint Venture  
Hope Bay Gold Belt  
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**Schedule 7: Windy Camp Pad Reclamation**

| Reclamation Task (days)               | Season 1       | Season 2    | Season 3    | Season 4    | Season 5    |
|---------------------------------------|----------------|-------------|-------------|-------------|-------------|
| Contour Camp Pad                      | 5              | -           | -           | -           | -           |
| <b>Subtotal</b>                       | <b>5</b>       | <b>-</b>    | <b>-</b>    | <b>-</b>    | <b>-</b>    |
| <b>Equipment Required</b>             |                |             |             |             |             |
| D6 Dozer                              | 1              | -           | -           | -           | -           |
| 960 Loader                            | -              | -           | -           | -           | -           |
| 3.5 Yd. Scoop                         | -              | -           | -           | -           | -           |
| 26 Tonne Truck                        | -              | -           | -           | -           | -           |
| Kubota                                | -              | -           | -           | -           | -           |
| <b>Utilization</b>                    |                |             |             |             |             |
| D6 Dozer                              | 100%           | 0%          | 0%          | 0%          | 0%          |
| 960 Loader                            | 0%             | 0%          | 0%          | 0%          | 0%          |
| 3.5 Yd. Scoop                         | 0%             | 0%          | 0%          | 0%          | 0%          |
| 26 Tonne Truck                        | 0%             | 0%          | 0%          | 0%          | 0%          |
| Kubota                                | 0%             | 0%          | 0%          | 0%          | 0%          |
| <b>Productive Hours Required</b>      |                |             |             |             |             |
| D6 Dozer                              | 45             | -           | -           | -           | -           |
| 960 Loader                            | -              | -           | -           | -           | -           |
| 3.5 Yd. Scoop                         | -              | -           | -           | -           | -           |
| 26 Tonne Truck                        | -              | -           | -           | -           | -           |
| Kubota                                | -              | -           | -           | -           | -           |
| <b>Equipment Costs (\$ thousands)</b> |                |             |             |             |             |
| D6 Dozer                              | \$ 3.60        | \$ -        | \$ -        | \$ -        | \$ -        |
| 960 Loader                            | \$ -           | \$ -        | \$ -        | \$ -        | \$ -        |
| 2.5 Yd. Scoop                         |                |             |             |             |             |
| 26 Tonne Truck                        |                |             |             |             |             |
| Kubota                                |                |             |             |             |             |
| <b>Subtotal</b>                       | <b>\$ 3.60</b> |             |             |             |             |
| <b>Labour</b>                         |                |             |             |             |             |
| <u>Operators (per shift)</u>          |                |             |             |             |             |
| Operators                             | 1              | -           | -           | -           | -           |
| Drivers                               | -              | -           | -           | -           | -           |
| <u>Mechanical (per shift)</u>         |                |             |             |             |             |
| Mechanics                             | 1              | -           | -           | -           | -           |
| Welders                               |                |             |             |             |             |
| <b>Total On-Site</b>                  | <b>2</b>       |             |             |             |             |
| <b>Labour Costs (\$ thousands)</b>    |                |             |             |             |             |
| Operators                             | \$ 2.80        | \$ -        | \$ -        | \$ -        | \$ -        |
| Mechanics                             | \$ 3.06        | \$ -        | \$ -        | \$ -        | \$ -        |
| Drivers                               | \$ -           | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Subtotal</b>                       | <b>\$ 5.85</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>TOTAL</b>                          | <b>\$ 9.46</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |



Hope Bay Joint Venture  
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Schedule 9: Mobilization and Demobilization

|                                   | Season 1        | Season 2    | Season 3    | Season 4    | Season 5    |
|-----------------------------------|-----------------|-------------|-------------|-------------|-------------|
| <b>Mobilization to Boston</b>     |                 |             |             |             |             |
| Edmonton to Lupin                 | \$ 35.3         | \$ -        | \$ -        | \$ -        | \$ -        |
| Road Use Fee                      | \$ 12.7         | \$ -        | \$ -        | \$ -        | \$ -        |
| Lupin Landing Fee                 | \$ 3.1          | \$ -        | \$ -        | \$ -        | \$ -        |
| Lupin Loading/Unloading           | \$ 13.0         | \$ -        | \$ -        | \$ -        | \$ -        |
| Five Herc Trips @ \$16,500/flight | \$ 82.5         | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Subtotal</b>                   | <b>\$ 146.6</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>Demobilization</b>             |                 |             |             |             |             |
| Air Transport - Lupin             | \$ 43.0         | \$ -        | \$ -        | \$ -        | \$ -        |
| Shuttle to Boston                 | \$ 30.0         | \$ -        | \$ -        | \$ -        | \$ -        |
| Boston to Port 15 Loads           | \$ 156.0        | \$ -        | \$ -        | \$ -        | \$ -        |
| Outside Boston to Port 4 Loads    | \$ 41.6         | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Subtotal</b>                   | <b>\$ 270.6</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>Total</b>                      | <b>\$ 417.2</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |

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Schedule 10: Accommodation  
(\$thousands)

|                            | Season 1        | Season 2    | Season 3    | Season 4    | Season 5    |
|----------------------------|-----------------|-------------|-------------|-------------|-------------|
| <b>Boston Camp</b>         |                 |             |             |             |             |
| Mandays                    |                 |             |             |             |             |
| Drill Steel Reclaim.       | 32              | -           | -           | -           | -           |
| Infrastructure Removal     | 276             | -           | -           | -           | -           |
| Garbage Removal (Belt)     | 60              | -           | -           | -           | -           |
| Underground Crew           | 63              | -           | -           | -           | -           |
| <b>Subtotal</b>            | <b>431</b>      | <b>-</b>    | <b>-</b>    | <b>-</b>    | <b>-</b>    |
| Cost per Man               | \$ 0.2          | \$ -        | \$ -        | \$ -        | \$ -        |
| Est. Camp Cost (\$Man/day) | \$ 86.2         | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Total</b>               | <b>\$ 86.2</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>Outside Boston</b>      |                 |             |             |             |             |
| Mandays                    |                 |             |             |             |             |
| Drill Steel Reclaim.       | 31              | -           | -           | -           | -           |
| Infrastructure Removal     | 135             | -           | -           | -           | -           |
| <b>Subtotal</b>            | <b>166</b>      | <b>-</b>    | <b>-</b>    | <b>-</b>    | <b>-</b>    |
| Cost per Man               | \$ 0.2          | \$ -        | \$ -        | \$ -        | \$ -        |
| Est. Camp Cost (\$Man/day) | \$ 33.3         | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Total</b>               | <b>\$ 33.3</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |
| <b>Total Accommodation</b> | <b>\$ 119.5</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |

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Schedule 11: Transportation

|   | Season 1        | Season 2    | Season 3    | Season 4    | Season 5    |
|---|-----------------|-------------|-------------|-------------|-------------|
| <b>Flights</b>                            |                 |             |             |             |             |
| Regular Rotation                          | 12              | -           | -           | -           | -           |
| Incidentals                               | 3               | -           | -           | -           | -           |
| Administration                            | 2               | -           | -           | -           | -           |
| <b>Subtotal</b>                           | <b>17</b>       | <b>-</b>    | <b>-</b>    | <b>-</b>    | <b>-</b>    |
| <b>Transportation Costs (\$thousands)</b> |                 |             |             |             |             |
| Edmonton - Site (@\$1500/return)          | \$ 25.50        | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Total</b>                              | <b>\$ 25.50</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |

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Schedule 12: Project Administration

|   | Season 1       | Season 2    | Season 3    | Season 4    | Season 5    |
|---|----------------|-------------|-------------|-------------|-------------|
| <b>M&amp;A Requirement</b>                  |                |             |             |             |             |
| Administrative Operating Days (Head Office) | 30             | -           | -           | -           | -           |
| Project Manager                             | 1              | -           | -           | -           | -           |
| Accounting                                  | 1              | -           | -           | -           | -           |
| Clerical                                    | 1              | -           | -           | -           | -           |
| <b>Subtotal</b>                             | <b>3</b>       | <b>-</b>    | <b>-</b>    | <b>-</b>    | <b>-</b>    |
| <b>M&amp;A Labour Costs (\$thousands)</b>   |                |             |             |             |             |
| Project Manager                             | \$ 17.4        | \$ -        | \$ -        | \$ -        | \$ -        |
| Accounting                                  | \$ 12.9        | \$ -        | \$ -        | \$ -        | \$ -        |
| Clerical                                    | \$ 9.8         | \$ -        | \$ -        | \$ -        | \$ -        |
| <b>Total</b>                                | <b>\$ 40.1</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> |

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**Existing Structures**

**Windy Lake Camp**

|                                      |    |
|--------------------------------------|----|
| 14x16 Wood Framed Tents              | 1  |
| 14x20 Wood Framed Tents              | 10 |
| 14x32 Wood Framed Tents              | 7  |
| 14x32 Weatherhaven Tents             | 7  |
| 14x16 Weatherhaven Tents             | 1  |
| 12x16 Weatherhaven Tents             | 14 |
| 16x28 Prefab Building                | 1  |
| Generator Sheds                      | 2  |
| 10x32 Dock                           | 1  |
| 8x20 Sea Container                   | 1  |
| 14x16 Wooden Building                | 1  |
| Dry/Shower Facilities - new 2001     | 1  |
| RBC sewage treatment unit - new 2001 | 1  |
| Timber structures - new 2001         | 5  |

**Wolverine Camp**

|                        |   |
|------------------------|---|
| 14x32 Wood Framed Tent | 1 |
| 14x20 Wood Framed Tent | 2 |
| 12x12 Storage Shed     | 1 |
| 12x12 Generator Shed   | 1 |
| 14x16 Floor            | 2 |
| 12x16 Floor            | 8 |
| 8x12 Floor             | 1 |

**Boston Camp**

|                             |   |
|-----------------------------|---|
| 9120 ft2 Trailer Complex    | 1 |
| 10x48 Generator Trailer     | 1 |
| 288 ft2 Generator Tool Shop | 1 |
| 14x16 Splitting Tent        | 1 |
| 14x24 Teching Tent          | 1 |
| 16x24 Logging Tent          | 1 |
| 30x60 Procon Shop           | 1 |
| 14x16 Drill Shop            | 1 |
| 30x100 Crusher Enclosure    | 1 |
| 568 ft2 Assorted Sheds      | 1 |
| 12x16 Weatherhaven Tents    | 2 |
| Prefab Offices 608 ft2      | 2 |

**Hope Bay Joint Venture  
Hope Bay Gold Belt  
Reclamation Project**

Prepared By Nuna Logistics Ltd.  
5/1/01  
W.G.P.

**Existing Equipment**

**Windy Lake Camp**

|                                    |    |
|------------------------------------|----|
| supply pumps                       | 2  |
| water heaters                      | 3  |
| ATV's                              | 3  |
| snowmobiles                        | 20 |
| Aluminum Skiffs                    | 2  |
| D6 Cat                             | 1  |
| AT80 All Track                     | 1  |
| 12KVA Yanmar diesel generator      | 1  |
| 20 KVA Kubota diesel generator     | 1  |
| 13 KVA Lombardini diesel generator | 1  |
| 70,000 liter fuel storage tank     | 1  |
| 40,000 liter fuel storage tank     | 1  |

**Wolverine Camp**

|  |   |
|--|---|
| 70,000 liter fuel storage tank               | 2 |
| 40,000 liter fuel storage tank (North Patch) | 1 |

**Boston Camp**

|                            |   |
|----------------------------|---|
| Cat D6                     | 1 |
| Compressor                 | 1 |
| Kubota Tractor             | 1 |
| ATV                        | 1 |
| 12 ft. boat                | 1 |
| 30HP Outboard              | 1 |
| 3304 113 KW diesel gensets | 3 |
| 2.2 KW genset              | 1 |
| 3500 gal water tanks       | 2 |
| Rotodisk STP               | 1 |
| core saws                  | 2 |
| crusher                    | 1 |
| satellite dish             | 1 |
| incinerator                | 1 |
| incinerator toilets        | 1 |
| contractors toilets        | 2 |
| 70,000 liter fuel tank     | 1 |