

# Land and Water Boards of the Mackenzie Valley



## LAND USE PERMIT APPLICATION FORM

Subsection 19(2) and Schedule 2 of the [Mackenzie Valley Land Use Regulations](#)

|  |  |   |                                |  |
|--|--|---|--------------------------------|--|
| Use an "X" to indicate which Board the Application is being made to: | Mackenzie Valley Land and Water Board: | X | Sahtu Land and Water Board:    |  |
|  | Wek'èezhìi Land and Water Board:       |   | Gwich'in Land and Water Board: |  |

To complete this Form, please refer to the LWB [Guide to the Land Use Permitting Process](#) (Guide) and fill in the grey fields; attach additional pages, as necessary. Indicate N/A in the grey fields for Items or parts of Items that are not applicable. An application package checklist is provided in the Guide. Review the following LWB guidance for formatting your Application Package:

- [Document Submission Standards](#)
- [Standard Outline for Management Plans](#)

|  |  |  |  |
|--|--|--|--|
| If applicable, provide the existing or current Land Use Permit file number:                      | MV2016C0022                            |  |  |
| Use an "X" to indicate if this Application is accompanied by an Application for a Water Licence: | Water Licence – in a non-federal area: |  |  |
|  | Water Licence – in a federal area:     |  |  |

### 1. NAME AND CONTACT INFORMATION – APPLICANT

|                   |                        |            |  |
|-------------------|------------------------|------------|--|
| Project Name:     | Bear Property          |            |  |
| Applicant's Name: | Garnet Harter          |            |  |
| Position:         | President, Director    |            |  |
| Company Name:     | Silver Bear Mines Inc. |            |  |
| Mailing Address:  | 1 – 12 Blackfoot Rd.   |            |  |
| Community:        | Sherwood Park          | Telephone: | 780-416-7525   |
| Prov/Terr:        | AB                     | Email:     | <a href="mailto:garneth@silverbearmines.com">garneth@silverbearmines.com</a> |
| Postal Code:      | T8A 4P4                | Other:     |  |

**2. NAME AND CONTACT INFORMATION – APPLICANT’S HEAD OFFICE**

Include a Certificate of Corporate Registration from the Government of the Northwest Territories in your Application Package.

|  |  |            |  |
|--|--|------------|--|
| Use an “X” to indicate this information is the same as Item 1 above: |  | <b>X</b>   |  |
| Name:  |  |            |  |
| Position:  |  |            |  |
| Company Name:  |  |            |  |
| Mailing Address:   |  |            |  |
| Community:   |  |            |  |
| Prov/Terr:   |  | Telephone: |  |
| Postal Code:   |  | Email:     |  |
| Field Supervisor:  |  | Other:     |  |

**3. NAME AND CONTACT INFORMATION – CONTRACTORS AND SUB-CONTRACTORS**

Include relevant names, responsibilities, and contact information. An additional table should be added for each contractor and sub-contractor.

|                  |                            |            |  |
|------------------|----------------------------|------------|--|
| Name:            | Garnet Harter at this time |            |  |
| Position:        |                            |            |  |
| Company Name:    |                            |            |  |
| Mailing Address: |                            |            |  |
| Community:       |                            | Telephone: |  |
| Prov/Terr:       |                            | Email:     |  |
| Postal Code:     |                            | Other:     |  |

|          |  |
|----------|--|
| <b>X</b> | Use an “X” to indicate that contractor and/or subcontractor information is not available at this time. |
|----------|--|

**4. LOCATION OF ACTIVITIES**

Use the grey fields below to provide or reference the following information:

Traditional Place Name: Bear Property

Maps and Geographic Information System (GIS) Data: Include a map in your Application Package identifying local geographic features, watercourses and water sources, project structures, and location(s) of any proposed waste deposits. Provide geographic coordinates (latitude and longitude) of project features, and the maximum and minimum project boundary in degrees, minutes, seconds, or decimal degrees. Include GIS data in your Application Package, if applicable. Refer to the LWB [Geospatial Data Submission Standards](#) for providing geographic information.

|                    |               |                    |                |
|--------------------|---------------|--------------------|----------------|
| Minimum latitude:  | 62° 52’ 30” N | Maximum latitude:  | 62° 54’ 30 N   |
| Minimum longitude: | 112°34’ 00” W | Maximum longitude: | 112° 22’ 50” W |

NTS Map Sheet No.: Provide the map sheet number: UTM 12, NAD 83 - 426000E to 429000E/ 6974000N to 6977000N NTS 85I 15/16 Map Sheet Sunrise Lake pg. 281

GIS Data: Use an “X” to indicate if GIS data is attached. Attached:  Not Available: **X**

**Land Types:** Use an “X” to indicate the type(s) of the land on which the activities are proposed:

|                        |  |                                       |          |               |  |                 |  |
|------------------------|--|---------------------------------------|----------|---------------|--|-----------------|--|
| Free Hold/<br>Private: |  | Commissioner’s/<br>Territorial Lands: | <b>X</b> | Federal Land: |  | Municipal Land: |  |
|------------------------|--|---------------------------------------|----------|---------------|--|-----------------|--|

**5. ELIGIBILITY**

Refer to section 18 of the [Mackenzie Valley Land Use Regulations](#). Use an “X” to indicate which one applies:

|           |   |            |  |             |  |        |  |
|-----------|---|------------|--|-------------|--|--------|--|
| 18(a)(i): | X | 18(a)(ii): |  | 18(a)(iii): |  | 18(b): |  |
|-----------|---|------------|--|-------------|--|--------|--|

**6. RIGHTS AND/OR CONTRACTS TO SUPPORT ELIGIBILITY**

Contact Indigenous, federal, and territorial governments, and other parties to ensure all appropriate rights, authorizations, permissions, dispositions, and contracts have been obtained or are in the process of being obtained (e.g., mineral exploration rights, quarry permits, licences of occupation, leases, access agreements and authorizations, etc.). List and provide confirmation of other authorizations that relate to the proposed activities; reference these in your Application Package (e.g., rights, permits, licences, etc.).

**Important to note that this is a Renewal of our A Class Land Use Permit MV2016C0022. There will be no changes to this Permit.**

**7. PERMIT TYPE AND CRITERIA**

Refer to sections 4 and 5 of the [Mackenzie Valley Land Use Regulations](#). Use an “X” to indicate which permitting criteria apply:

| Type A     |          |            |  | Type B     |  |           |  | Type C                |  |
|------------|----------|------------|--|------------|--|-----------|--|-----------------------|--|
| 4(a)(i):   | <b>X</b> | 4(b)(i):   |  | 5(a)(i):   |  | 5(b)(i):  |  | (SLWB and WLWB only): |  |
| 4(a)(ii):  |          | 4(b)(ii):  |  | 5(a)(ii):  |  | 5(b)(ii): |  |                       |  |
| 4(a)(iii): |          | 4(b)(iii): |  | 5(a)(iii): |  |           |  |                       |  |
| 4(a)(iv):  |          | 4(b)(iv):  |  | 5(a)(iv):  |  |           |  |                       |  |
| 4(a)(v):   |          |            |  | 5(a)(v):   |  |           |  |                       |  |
|            |          |            |  | 5(a)(vi):  |  |           |  |                       |  |

**8. PROJECT DESCRIPTION**

Include a project description in your Application Package, or for small-scale projects, describe the proposed activities in the grey field provided below. For each and all proposed water uses, include the name and type (e.g., lake, river) of water source(s), and the purpose and quantity of water to be used (rates, volumes (m<sup>3</sup>/day)).

a) Summary of operation See attached Project Description for detailed information. The proposed exploration program includes: partial camp re-construction in 2016 (previous camp was destroyed by 2014 forest fire), and a winter diamond drilling program, scheduled for February to April 2024, from sites located on the frozen Sunrise Lake surface. Two drilling rigs with support equipment will be mobilized via a winter road from the end of Highway #4 (Tibbitt Lake) to approximately 1 km south of Kryon Lake and hence via existing snow-covered drill roads to sites on Sunrise Lake. Two rigs will be required to complete Phase 1 of the necessary drill testing, estimated at 5,010 m, prior to Spring breakup. Locations of the proposed 24 drill holes from 18 sites, each measuring 18x18m, are shown in the Project Description report. Recovered drilling fluids will be collected in holding tanks and recycled. Fine solids will be disposed of at a safe location well away from Sunrise Lake or any local drainage. The drilling rigs will be mobilized and moved between drill sites using a bulldozer and/or loader. Snow cats and snowmobiles will be utilized for local transportation. Any movement of drilling equipment and/or heavy equipment during snow-free periods (spring/summer) will be carefully done to protect the underlying ground from rutting and/or gouging by using log corduroying, dry road access routes and constant monitoring.

A down-hole I P geophysical survey will be conducted concurrent with the drilling to detect mineralization along strike and down dip of the known M Zone mineralization. Drill core samples will be collected for assay and preliminary metallurgical studies to determine base and precious metal recoveries. The proposed drilling program is required to confirm historic drilling results, better delineate the known M Zone silver-bearing mineralization, and provide necessary drilling and metallurgical information.

See accompanying Project Description report for detailed information and illustrations of the proposed camp reconstruction. Yes, a field camp will be constructed to house field personnel during the proposed winter drilling program. This camp will be a reconstructed at the same location and with the same configuration as the previous camp destroyed by the 2014 forest fire. It will occupy less than 2 ha and should have a 20-person overnight capacity.

Indicate the total number of hectares to be used in each phase of the project, as well as through the life of the project.

Please see Final plan MV2016C0022 for break down which states 17.527 hectares

**9. CAMP**

Describe the proposed camp size and layout. Indicate the number of person-days; explain, with rationale, any variations in the number of people that may be on site over the life of the project.

a) A field camp will be constructed to house field personnel during the proposed winter drilling program. This camp will be a re-constructed at the same location and with the same configuration as the previous camp destroyed by the 2014 forest fire. It will occupy less than 2 ha and should have a 20-person overnight capacity.

b) See accompanying Project Description report for detailed information and illustrations of the proposed camp reconstruction.

**10. ROADS AND ACCESSES**

Provide detailed information about the construction, location, and decommissioning of any roads and accesses.

|   |     |   |  |     |   |
|---|-----|---|--|-----|---|
| Use an "X" to indicate if this is to be a pioneered road or access: | Yes |   | Use an "X" to indicate if the route has been laid out or ground-truthed: | Yes | X |
|   | No  | X |  | No  |   |

The winter road access route to the property has been truthed during past exploration work on this property. See attached Project Description for details.

## 11. PROPOSED WASTE MANAGEMENT METHODS

Use the grey fields below to provide or reference the following information:

Waste Management Plan: Include a Waste Management Plan in your Application Package, if applicable, or for small-scale projects, describe the proposed waste management activities in the grey fields provided below. A template for the Plan can be found in the LWB [Guidelines for Developing a Waste Management Plan](#).

| Waste Type  | Management Method(s)   |
|---|--|
| Garbage:  | Non-combustibles double-bagged and flown out to Yellowknife for disposal, Combustibles safely incinerated on site  |
| Sewage (Sanitary and greywater):                  | Grey water directed to permeable sump away from drainage and lake. Outhouse for human waste                        |
| Brush and trees:                                  | Snags cut, bucked into sections and laid on ground to rot.   |
| Overburden (Organic soils, waste material, etc.): | Little or no overburden at campsite. Recovered fine solids from on-ice drilling will be buried in impermeable pit. |
| Other (describe):                                 | N/A  |

Off-site Disposal: If waste is proposed to be disposed of off-site within the NWT, written confirmation (e.g., an email, letter, etc.) from the facility/facilities indicating they will accept the waste is required. Include it/these in your Application Package. Please note this information will be required by the Board prior to commencement of activities.

## 12. EQUIPMENT

Identify the types of equipment proposed to be used.

| Number | Type/Description                                     | Size (weight in tonnes)                   | Proposed use                             |
|--------|--|---|--|
|        | Please see attached 2016 Land Use Permit Application | This is a renewal of that Land Use Permit |  |
| 1      | D6 Bulldozer w/ wide tracks                          | 15 Tonnes                                 | Equipment mob and drill site preparation |
| 1      | Nodwell w/crane and Winch                            | 2 Tonnes                                  | Drill support and personnel transport    |
| 1      | 550 John Deere crawler (Cat)                         | 4 Tonnes                                  | Needs repair                             |
| 1      | One Skidded Drill Shack                              | 5 Tonnes                                  | Drilling                                 |
| 1      | Open rod sloop                                       | 4 Tonnes                                  | Carry rods                               |
| 1      | Covered rod sloop                                    | 4 Tonnes                                  | Carry rods                               |
| 2      | Skidded Drill Pump Shacks                            |   |  |
|        |  |   |  |
|        |  |   |  |
|        |  |   |  |

## 13. FUEL

Identify all fuel types proposed to be used.

| Type of Fuel      | Number of containers | Capacity of containers (e.g., litres, pounds) | Type of container (e.g., barrel, tank, tidy-tank) | Proposed storage or staging location(s) |
|-------------------|----------------------|---|---|---|
| Diesel:           | 200                  | 210 Litres                                    | Barrel  | Field Camp                              |
| Gasoline:         | 15                   | 210 Litres                                    | Barrel  | Field Camp                              |
| Aviation Fuel:    | 10                   | 210 Litres                                    | Barrel  | Field Camp                              |
| Propane:          | 15                   | 100 lbs                                       | Bottle  | Field Camp                              |
| Other: (describe) | 50                   | 1 or 5 litre bottles                          | Plastic   | Field Camp                              |

#### 14. METHODS OF FUEL TRANSFER

Describe the proposed methods to transfer fuel.

Manual toggle pumps will be used to transfer fuels. Fuel transfer areas will be underlain with fuel-absorbent pads to collect any fuel spills. Fuel transfer sites will be situated in the immediate vicinity of the individual storage areas as are shown on Figure 4 of the Project Description report and Figure 1 in the Spill Contingency Plan.

#### 15. SPILL CONTINGENCY PLAN

Include a Spill Contingency Plan in your Application Package, if applicable, or for small-scale projects, provide relevant details in the grey field provided below. An example of this Plan can be found in the INAC [Guidelines for Spill Contingency Planning](#).

See also attached Project Description report with appendicized Spill Contingency Plan. The now-destroyed field camp and attendant structures were regularly inspected by government personnel (C. Ambrose), most recently in the Spring of 2013. A Spill Contingency plan has been prepared (Appendix I of Project Description report) and will be posted both in the camp kitchen building and at each drill rig. Three “Spill Kits” will be on site, one at camp and the others with the drilling rigs. Water will be pumped using a submersible pump from Sunrise Lake to a holding tank in the Dry/Shower building. This potable water will be routinely treated with a mild anti-bacterial fluid and used for drinking, cooking and showers. An outhouse will be used for human waste. Grey waste water will be directed into a permeable gravel sump well away from any local drainage.

Non-combustible waste will be flown out to Yellowknife for disposal. Combustible waste will be burned near camp in steel barrels on a rock outcrop. There should be little effect on the local post-forest fire environment by the anticipated camp activities. There are no nearby communities that might be directly affected by the proposed camp and drilling activities.

#### 16. PROPOSED PROJECT SCHEDULE AND TERM

Indicate the proposed project start and completion dates and the time of year the project activities are planned to occur. Describe any anticipated temporary closure(s) or seasonal shutdowns. Indicate the term requested.

|  |        |                  |  |
|--|--------|------------------|--|
| Start Date:  |        | Completion Date: |  |
| <p>The planned schedule for the proposed exploration activities is also fully documented in the attached Project Description report. Camp reconstruction is planned for 2024 to provide lodging for field personnel during the proposed February to April 2025 winter drilling program if funding permits this. Preparation and grooming of the winter access road should commence in January 2025 once the access is snow covered and Sunrise Lake has sufficient ice thickness to safely support drilling activity. It is estimated that, pending drilling rates, the Phase 1 drilling program might be completed in 2 to 3 months after which the camp would close and the field personnel and heavy equipment would demobilize. Future exploration, perhaps in snow-free time, will depend upon project success.</p> <p>This again all depends on funding.</p> |        |                  |  |
| Term of Permit Requested:  | 5 year |                  |  |

#### 17. POTENTIAL ENVIRONMENTAL IMPACTS OF THE PROJECT AND PROPOSED MITIGATIONS

If the proposed project, or parts of the proposed project, may be exempt from preliminary screening, describe the rationale for the exemption in the grey field below. Include the date of the most recent screening, and/or the environmental assessment or impact review number.

Last screening was in 2016 for LUP and October 2021 for a two year extension

**Unless the project could be exempt from preliminary screening**, using the Impact-Mitigation Table below, or the more detailed Table in Appendix D of the [Guide](#), identify all potential impacts and possible mitigations that are relevant to the proposed project, and indicate whether any of the mitigation measures have been developed as a result of input from affected parties. Possible potential impacts are listed below; however, these lists are not exhaustive and may not apply to all projects. All information provided should reflect the size, scale, and nature of the proposed project. Cumulative impacts and climate change must be considered. Attach additional pages if needed. Use landscape orientation if preferred.

| Potential Impacts<br><i>Use an "X" to indicate which apply</i> | X | Potential Project Impacts and Proposed Mitigations<br><i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>  |
|--|---|---|
| <b>ABIOTIC COMPONENTS</b>                                      |   |   |
| <b>Land</b>  |   |   |
| Soil contamination   | X | Contaminated soil areas would be scraped clean and have soiled material put in buckets and flown out to Yellowknife to be disposed of.<br><br>Mitigation Measure<br>A Spill Response Plan will detail emergency response, spill kit requirements, list of all hazardous products on site, Safety Data Sheets (SDS) for all chemicals on site. All fuels, gasses or harmful substances will be contained within approved containers and transported according to the Transportation of Dangerous Goods Regulations |
| Soil compaction  |   |   |
| Destabilization/erosion  |   |   |
| Change in soil structure                                       |   |   |
| Inability to support vegetation                                |   |   |
| Other  |   |   |
| <b>Water</b>   |   |   |
| <b>Groundwater</b>   |   |   |
| Water table alteration   |   | Not applicable  |
| Infiltration changes   |   | Not applicable  |
| Changes in water quality                                       |   | Not applicable  |
| Temperature changes  |   | Not applicable  |
| Other  |   | Not applicable  |
| <b>Permafrost</b>  |   |   |
| Loss or change in extent                                       | X | Certain targets will be drilled in the winter to prevent ecological damage to the environment   |
| Changes in seasonal fluctuations                               |   |   |
| Change in persistence  |   |   |
| Other  |   |   |

| <b>Potential Impacts</b><br><i>Use an "X" to indicate which apply</i>     | <b>X</b> | <b>Potential Project Impacts and Proposed Mitigations</b><br><i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>               |
|---|----------|---|
| <b>Surface Water</b>  |          |   |
| Water flow or level changes (permanent, temporary, seasonal)              |          | None  |
| Drainage pattern changes  |          | None  |
| Temperature changes   |          | None  |
| Changes in water quality  |          | None  |
| Wetland impairment  |          | None  |
| Changes to aquatic habitat (see Biotic section below)                     |          | None  |
| Other   |          | None  |
| <b>Air</b>  |          |   |
| Changes in air quality  | X        | Some emissions from small equipment and burning waste wood etc.   |
| Harm to living things   |          | There would be no damage  |
| Increased greenhouse gases  |          | Potential Impact<br>Minimal amount of CO2 would result from Diamond drill, camp generator and small equipment.<br>Mitigation<br>Running of equipment would be kept to a minimum |
| Other   |          | None  |
| <b>BIOTIC COMPONENTS</b>  |          |   |
| <b>Vegetation</b>   |          |   |
| Direct loss of vegetation   | X        | Brush clearing for line cutting would be minimal  |
| Loss of Species at Risk or may-be-at-risk plants                          |          | No risk   |
| Change in species composition   |          | Not likely to occur   |
| Introduction of non-native (invasive) species                             |          | Not likely to occur   |
| Effects on plant health (dust, metals, toxins)                            |          | Not likely to occur   |
| Increased risk of fire  |          | None  |
| Compaction of vegetation  |          | None  |
| Other   |          | None  |
| <b>Terrestrial Wildlife Habitat</b>                                       |          |   |
| Direct loss or removal of habitat, dens, or nests                         |          | Not likely to occur<br>Tree clearing is minimal width for line cutting<br><br><b>Mitigation</b><br>Every effort will be made to avoid disturbing dens and nests                 |
| Loss or removal of keystone species and/or Species at Risk habitat        |          | Not likely to occur   |
| Fragmentation of wildlife corridor  |          | Not likely to occur   |
| Direct injury or mortality  |          | Not likely to occur   |
| Disturbances to key lifecycle stages: breeding, feeding, nesting, staging |          | Tree clearing is minimal width for line cutting. Not likely to occur<br><br><b>Mitigation</b><br>Every effort will be made to avoid disturbing dens and                         |



| <b>Potential Impacts</b><br><i>Use an "X" to indicate which apply</i>  | <b>X</b> | <b>Potential Project Impacts and Proposed Mitigations</b><br><i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i> |
|--|----------|---|
|  |          | nests   |
| Effects on population abundance  |          | Not likely to occur   |
| Change in species diversity  |          | Not likely to occur   |
| Effects on wildlife health (toxins, metals, etc.)  |          | Not likely to occur   |
| Changes to migratory movement patterns   |          | Not likely to occur   |
| Changes to predator-prey relationships   |          | Not likely to occur   |
| Human-wildlife conflicts   |          | Not likely to occur   |
| Other  |          |   |
| <b>Aquatic Habitat</b>   |          |   |
| Breeding disturbances  |          | Not likely to occur   |
| Change in species diversity  |          | Not likely to occur   |
| Effects on health (toxins, metals, sediment, etc.)   |          | Not likely to occur   |
| Changes to migratory movement patterns   |          | Not likely to occur   |
| Changes to predator-prey relationships   |          | Not likely to occur   |
| Effects on population abundance  |          | Not likely to occur   |
| Change in species diversity  |          | Not likely to occur   |
| Other  |          | None  |
| <b>CULTURAL COMPONENTS</b>   |          |   |
| <b>Wildlife Harvesting</b>   |          |   |
| Loss or reduction in game species populations  |          | Not likely to occur   |
| Effects on traditional land use, subsistence, and harvesting rights  |          | Not likely to occur   |
| Other  |          | None  |
| <b>Cultural Integrity and Heritage Resources</b>   |          |   |
| Change to or loss of cultural integrity  |          | None  |
| Change to or loss of traditional lifestyle   |          | None  |
| Change to or loss of heritage resource   |          | None  |
| Other  |          | None  |
| <b>Social and Economic Well-being</b>  |          |   |
| Increased human health hazard and risk   |          | None  |
| Economic opportunities or losses (employment, training)  | X        | There is economic opportunity for Indigenous seasonal work  |
| Change in ecological, cultural, social, or economic values identified for protection in approved Land Use Plans  |          | No changes  |
| Impairment of the recreational or traditional uses of the land or water  |          | None  |
| Impairment of the aesthetic quality of the land or water   |          | None  |
| Changes to the use of the area by other non-Indigenous people (e.g., trappers, outfitters, residents, hunters, forest harvesters, other authorized projects) |          | None  |
| Other  |          | None  |

## 18. CLOSURE AND RECLAMATION

Use the grey field below to provide or reference the following information:

Closure and Reclamation Plan: Include a Closure and Reclamation Plan in the Application Package, if applicable, or for small-scale projects, describe the proposed closure and reclamation activities in the grey field provided below. Describe any temporary closure(s) and seasonal shutdowns. Please also refer to the LWB/AANDC [Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories](#).

Closure Cost Estimate: Prepare a Closure Cost Estimate and include it in your Application Package. Applicants are encouraged to contact Board staff, prior to applying, to determine which closure-cost-estimate template is most suited to the activities being applied for. Guidance is provided in section 2.2 of the LWB/GNWT/CIRNAC [Guidelines for Closure and Reclamation Cost Estimates for Mines](#). If the Application is submitted concurrently with a Water Licence Application, the estimate should include a breakdown of water- and land-related activities and liabilities.

The company has been exploring for base and precious metals on this property since 1983. The current Land Use Permit expired on November 1<sup>st</sup>, 2021 and the company wishes to continue its exploration work to determine the economic potential of the property. Silver Bear mines next step would be the deposit Appraisal Work Phase which would require larger amounts of funds which we are currently working on achieving in the near future.

Empty fuel barrels are flown out regularly on return flights along with garbage, scrap metal and deceased equipment from the spare parts yard. Larger equipment remaining will be shipped out via the ice road in the winter.

Construction of the new camp has started and repairs to the camp are being maintained for safety and appearance. No additional construction or road building is planned for this camp area and the ecosystem is stabilized. Cardboard and recycled material is shipped to Yellowknife. Burnable waste is burned in barrels on outcrop.

## 19. ADDITIONAL SUPPORTING INFORMATION

Use the grey field below to provide or reference the following information:

Engagement: Conduct engagement, prepare an Engagement Record and Engagement Plan in accordance with the LWB [Engagement Guidelines for Applicants and Holders of Water Licences and Land Use Permits](#), and include them in your Application Package. Templates are provided in the Guidelines. Please also refer to [Information for Proponents on MVLWB's Engagement Requirements](#).

Land Use Plans: Contact the applicable Land Use Planning Board or the Tłı̨ch̨ Government for assistance in interpreting the requirements of the relevant land use plan(s). Include a Land Use Plan Conformity Table, or if applicable, written confirmation of conformity from the Tłı̨ch̨ Government, in your Application Package, demonstrating how the project meets the requirements of the Land Use Plan, if applicable.

Traditional Knowledge (TK): Provision of TK is mandatory for applications to the SLWB. Other applicants are strongly encouraged to include TK.

Studies Undertaken to Date: List any relevant studies that support the proposed activities and include them in your Application Package.

### **History of Exploration Bear Property**

- **1936**, Jolliffe carried out preliminary mapping of the area.
- **1938**, detailed mapping of the Beaulieu River area by Henderson.
- **1945 to 1970**- various airborne surveys and ground surveys in the area with limited trenching and diamond drilling in the area.
- **1983** – Silver Hart Mines Ltd. staked the Bear property and conducted regional prospecting, mapping and sampling program. (Tremblay, 1983). Numerous gold showings were noted and the “C” Zone was targeted for further work.
- **1984** – 11.1 km of lines were cut over the “C” zone. Geotronics Surveys Ltd. conducted a ground magnetic and EM survey over the “C” Zone on behalf of Silver Hart Mines Ltd. (Mark and Fassler, 1984). As a result of the surveys, 15 diamond drill holes were drilled along the “C” Zone. Drilling indicated the presence of shallow gold bearing vein structures carrying up to 0.228 oz/ton Au over 3.0 feet (Tremblay, 1985).
- **1985** – Bear Property is optioned to Ark La Tex Industries Ltd. with Silver Hart Mines Ltd. remaining the operator.
- **1986** – Property was optioned to Ark La Tex Industries Ltd. They drilled 1763 feet in 10 drill holes to further define the gold bearing arsenopyrite-silicified zones in C Zone.
- **1986** – A summer program of line-cutting, prospecting, mapping, soil and lithogeochemical surveying was completed by Ark La Tex Industries which led to the discovery of the M Zone by reconnaissance mapping. (Dudek, 1987).
- **1987 – 1988** – Silver Hart Mines and Ark La Tex Industries Ltd. completed 42.5 km of line cutting, geophysical surveys, geological mapping and 4888.8m of diamond drilling in 29 drill holes on the M Zone. (Dudek, 1988). A geological resource of 809,700 tons was calculated, grading 0.026 oz Au/ton, 6.41 oz Ag/ton, 2.32 % Pb, and 6.11 % Zn to a depth of 400m (Buhlmann, 1989). This resource estimate is historic and is not in accordance with the Mineral Resources Definitions and Guidelines adopted by CIM Council on August 20, 2000.

- **1988** – Covello, Bryan and Associates Ltd. completed 42.5 line km of Max Min II, VLF-EM and magnetic surveys on the eastern part of the Bear property around the M Zone for Silver Hart Mines Ltd. and Ark La Tex Industries Ltd. (Gordon, 1988).
- November 1988 to March 1995 – there was no exploration activity on the property due to low metal prices and lack of financing.
- **1995** - Control of the Bear Property changed hands from Ark La Tex Industries Ltd. to Solid Resources Ltd.
- **1995** – Solid Resources Ltd. completed 49 line km of line cutting, magnetic, very low frequency electromagnetic (VLF-EM ) and horizontal loop electromagnetic (HLEM) surveys covering the D Zone north of the Amacher Granite. This was followed by 2286 m of diamond drilling in 15 holes testing conductors along the D Zone. The Bear 4 and 5 claims were staked over iron formation and sulphide horizons in the Kryon-Amacher Lake Zone adjacent to the Sleepy Dragon Complex on the west edge of the property.
- **1996** – Results of the 1995 drilling from the D Zone were summarized and recommendations for additional drilling on the M Zone and the C Zone were made (Buhlmann, 1996).
- **1996** – Solid Resources Ltd. tested the down-plunge projection of the M zone with 15 drill holes for a total of 3510 m. DDH 96-09 was surveyed by down-hole Pulse EM geophysics by Crone Geophysics & Exploration Ltd. The C zone was tested with 3 diamond drill holes for a total of 616.5 m. Additional line cutting was completed east of the D Zone and covered with magnetic, horizontal loop (HLEM) and low frequency electromagnetic (VLF-EM) and Pulse EM surveys covering selected portions of the M Zone grid. One VLF-EM conductor on the C- W Zone was tested with a drill hole.
- **1997** – Summary and recommendation report was prepared for additional drilling on the northern projection of the M Zone (Sanche, 1997). Solid Resources Ltd. tested the M Zone extension with two deep holes totaling 1212 m.
- In the same year, F Zone was tested with 3 drill holes for 534m and the W Zone with 5 drill holes for 980m. An area 1000m north of the C Zone along a rhyolite horizon was tested with 3 holes for a total of 488m. The K-A Zone at the western side of the property was prospected, geologically mapped, magnetic and VLF surveys completed on a small area of cut grid near the north end of Kryon Lake.

- **1998** – K-A grid, surface alteration and sulphide showings were tested with 5 drill holes for 841m. Additional line cutting, geological mapping, geophysical and geochemical surveys were completed on the Kryon-Amacher grid. 400 rock and soil samples were taken on the grid for assay. (Sanche and Jankovic, 1998).
- **1998** – A silicified arsenopyrite mineralized target on the W Zone was tested with two drill holes for 796m.
- **1999** – The W zone was further tested with 5 drill holes for 1357m, the K-A Zone with 5 drill holes in the southern portion for 1250m, the R Zone with 4 drill holes for 1455m and the C Zone with 2 drill holes for 559m. A geological model report was prepared for Solid Resources (Jankovic, 1999). A report on the K-A grid work from June-July, 1999 work program was completed in August, 1999 (Sanche, 1999).
- **2000** – In the M Zone area, one fill-in hole and 4 exploration holes testing UTEM geophysical anomalies were completed for a total of 2665m. The C Zone was drilled with 7 drill holes totaling 2151m to test the down plunge projection of known mineralization. The C-W Zone was drilled to test VLF-EM anomalies with 7 drill holes for 2165m. Two deep holes were completed on the M Zone for a total of 1345m 2001 – an interpretation of the October 2000 UTEM survey results were completed for 4 drill holes: (HP96-09, MZ00-01, MZ00-02, MZ00-03), (Frazer, 2001)
- **2004** – Evaluation of the Bear Mineral Claims and Leases with Recommendations for Further Exploration (Jankovic, 2004).
- **2005** – Fugro Airborne Surveys Corporation carried out a comprehensive airborne geophysical survey (Resolve survey) over the Bear property. A detailed evaluation of the Fugro’s Resolve survey results in conjunction with geophysical, geological and geochemical information was presented.
- **2006** – VLF and Mag., Soil and rock sampling targeting Airborne conductors
- **2007/08** – MMI-M (Mobile Metal Ion) geochemical surveys on Amacher zone, C, D and M zone. (Mount Morgan Resources Ltd.)
- **2010** - Control of the Bear Property changed hands from Solid Resources Ltd to Silver Bear Mines Inc. (Same founder and major shareholder of Solid Resources.)
- **2011** – A 53 line km grid was cut and covered by a deep penetration Resistivity I.P. (Induced Polarization) and MLTEM (Moving Loop Transient Electromagnetic) survey

with S.Q.U.I.D. (Superconducting Quantum Interference Device) (deep penetration).  
(Discovery Int'l Geophysics Inc.)

- **2013** - Southwest of M Zone was diamond drilled to test an I.P target from the deep penetration Resistivity I.P. (Induced Polarization) survey. (Canadian Mines Services)

**20. FEES**

Refer to the Guide for assistance in determining relevant fees.

| Type of Fee                             | Amount (\$) |
|---|-------------|
| Application fee (if applicable):        | \$150       |
| Land-use fees (for federal areas only): | \$          |
| Total Fees:                             | \$150       |

If fees are submitted separately, indicate how and when they will be delivered to the Board's office.

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**21. SIGNATURE**

|  |                     |
|--|---------------------|
| Garnet Harter  | President, Director |
| Applicant's Name (print)<br>or<br>Silver Bear Mines Inc. | Position (print)    |

|                      |                |
|----------------------|----------------|
| <i>Garnet Harter</i> | August 6, 2024 |
| Signature            | Date           |

Review the application package checklist provided in the Guide, and submit completed applications to the Regulatory Manager or Executive Director identified on the “Contact Us” pages of the respective Land and Water Board ([www.mvlwb.com](http://www.mvlwb.com), [www.wlwb.ca](http://www.wlwb.ca), [www.slwb.com](http://www.slwb.com), [www.glwb.com](http://www.glwb.com)).