

PART 1 FORM PROJECT PROPOSAL INFORMATION REQUIREMENTS

To access NIRB documents, project screenings, and project reviews please visit the Nunavut Impact Review Board's ftp site http://ftp.nirb.ca/. The NIRB's website (www.nirb.ca) is currently under construction. Please contact info@nirb.ca should you have any questions or require further information.

IMPORTANT!

Please be advised that your application will not be processed until the Sections 1 - 9 are completed in their entirety, in both English and Inuktitut (+ Inuinnagtun, if in the Kitikmeot).

| SECTION 1: APPLICANT | INFORM | ATION |
|--|-----------------------------|---|
| Project Name _ Meliadine Gold Underground Ex | oloration ar | nd Bulk Sample Extension |
| . Applicant's full name and mailing address: | | |
| Comaplex Minerals Corp. | | |
| 901, 1015 - 4 th St. SW | Phone: | 403 265 2846 |
| Calgary, AB T2R 1J4 | Fax: Email: | 403 232 1421 |
| | EIIIaII. | mbalog@comaplex.com |
| B. Primary contact's full name and mailing address: Mark Balog, Chief Operating Officer | | |
| | Phone: | 403 265 2846 |
| Comaplex Minerals Corp. 901, 1015 – 4 th St SW | Fax: | 403 232 1421 |
| Calgary, AB T2R 1J4 | Fax. Email: | mbalog@comaplex.com |
| . Indicate <u>all</u> authorizations associated with the projection (RIA) | Cana | adian Launch Safety (CLS) |
| Nunavut Water Board (NWB) | | ronment Canada (EC) |
| Nunavut Planning Commission (NPC) | | ernment of Nunavut (GN) |
| Indian and Northern Affairs Canada (INAC) | | artment of National Defense (DND) |
| ' | | |
| | | ` , |
| Department of Culture, Language, Elders, | | er (please specify): |
| Department of Fisheries and Oceans (DFO) Community Government & Services (CG&S) Nunavut Research Institute (NRI) | Ham Park Cana Othe | allet es Canada (PC) adian Wildlife Service (CWS) er (please specify): |



| 3. | 3. List the <u>pending</u> permits, licenses, or other authorizations related to the project proposal: NWB Licence 2BB MEL0914 amendment | | | | | | |
|-----|---|---|-------|--------|---|--|--|
| 4. | 4. Has this project or <u>any components of this project</u> been previously screened or reviewed by NIRB? | | | | | | |
| | | | ΥE | S | | | |
| | If \ | YES, indicate the previous project name | and | NIRB | File No. 07FN044 | | |
| | • | . 20, maioaio ino providuo project maini | Juliu | | - 110 1101 <u>- 07 2110 11</u> | | |
| | | | | | | | |
| | | SECTION 3: PROJEC | T PR | OPO | SAI DESCRIPTION | | |
| | | | | | | | |
| 1. | | dicate the type of project proposal (che ee Appendix A for Project Type Definition | | tnat a | рріу)` ′ ′: | | |
| | 1 | All-Weather Road/Access Trail | Х | 9 | Site Cleanup/Remediation | | |
| : | 2 | Winter Road/ Winter Trail | Х | 10 | Oil and Natural Gas Exploration/Activities | | |
| ; | 3 | Mineral Exploration | Х | 11 | Marine Based Activities | | |
| | 4 | Advanced Mineral Exploration | Х | 12 | Scientific/International Polar Year Research* | | |
| | 5 | Mine Development /Bulk Sampling | Х | 13 | Harvesting Activities* | | |
| | 6 | Pits and quarries | | 14 | Tourism Activities* | | |
| | 7 | Offshore Infrastructure (port, break water, dock) | | 15 | Other ⁽²⁾ : | | |
| | 8 | Seismic Survey | | | | | |
| Ple | ase | note: | | | 1 | | |

- 1. All project types listed above, except those marked with an asterisk (*), will also require the Proponent to submit a **Part 2 Project Specific Information Requirement (PSIR) Form**. The NIRB application process will not be considered complete without the Part 2 PSIR Form.
- 2. Please be advised that in order to complete the NIRB process, the NIRB may request additional information at any time during the process.
- 3. If "Other" is selected, contact NIRB for direction on whether a Part 2 PSIR Form is required.



| 2. If Project Type 3, 4 or 5 being extracted. Include | | | cate the mineral of in | nterest that is |
|--|---|--|-----------------------------|------------------------------------|
| Base Metals (zinc, copper, | gold, silver, etc) | | | |
| Diamonds | | | | |
| Uranium | | | | |
| X Other:Gold | | | | |
| 3a. If Project Type 12, 13 or | r 14 was selected a | above, complete | e the table and ques | stions below. |
| Transportation Type | Quantity | Propo | sed Use | Length of Use |
| Not Applicable | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 3b. Describe any docks, pier proposed project activitie | | | | |
| Not Applicable | | | | |
| | | | | |
| 3c. If a temporary camp site the type and source of portange of the type and source of portange of the type and source of portange of the type and added to the conditional camp may be reconsulted. | ower for the camp s imp is to be used t existing exploratio | ite if applicable. out extra tents von camp. Towa | will be removed fron | n the Meliadine ulk program an |
| 4. Personnel | | | | |
| Total No. of personnel on site = (A) | Total No. of days on-site = (B) | 330/year | Total N (A) × (B) = 16,5 | o. of Person days 500 to 23,100 |
| 5. Timing Period of operation: from | January 2011 | | _ to July 31 201 4 | <u> </u> |
| Proposed term of authorization: from | January 2011 | | to July 31, 201 | 4 |
| | y): ivalliq | Kitikmeot | Transbound | ary: |
| 6b. Describe the location of the nearest communities Rankin Inlet is approximate | and any protected | areas. | | |



6c. Discuss the history of the site if it has been used for any project activities in the past.

The first mineral claims in the area were staked by Comaplex in 1988. Continuous exploration programs from 1989-2001 identified significant gold mineralization with potential for commercial production. Comaplex significantly expanded the Tiriganiaq gold deposit by drilling from 2004-2009.

6d. Indicate if there are any known archaeological/palaeontological historical sites in the area.

Two archaeological sites are found within the footprint of the proposed Tiriganiaq open pit. The underground exploration and bulk sample extension is distant from and will have no impact on these archaeological sites.

| 7. Land Status (check all that applies): | | | | | | |
|---|---|--|--|--|--|--|
| Crown Commissioners' Municipal Inuit Owned Surface Lands Inuit Owned Sub-Surface Lands | | | | | | |
| 8a. Co-ordinates: | | | | | | |
| Min Lat (degree/minute) Max Lat (degree/minute) 63 01 34 | Min Long (degree/minute) 92 12 14 Max Long (degree/minute) | | | | | |
| NTS Map Sheet No: 55 N/1 (1:50,000) (Please ensure that maps of the project are attached (1:50,000 if available, 1:250, 000 Mandatory) available from Natural Resources Canada) | | | | | | |
| 8b. If the project proposal includes a camp , please provide the coordinates of the camp location | | | | | | |
| Min Lat (degree/minute) 63 01 42 Max Lat (degree/minute) | Min Long (degree/minute) 92 10 15 Max Long (degree/minute) | | | | | |
| If different from above for the camp: NTS Map Sheet No: 55 N/1 (1:50,000) Please ensure that maps of the project are attached (1:50,000 if available, 1:250, 000 Mandatory) available from Natural Resources Canada | | | | | | |

Information Requirement (PSIR) submission. This may take the form of a digital Geographic Information Systems (GIS) file.

SECTION 4: NON-TECHNICAL PROJECT PROPOSAL DESCRIPTION

Please include a non-technical description of the project proposal, no more than 500 words, in English and Inuktitut (+Inuinnagtun, if in the Kitikmeot). The project description should outline the following:

Please note that additional location information may be required in a subsequent Project Specific

- The project activities, their necessity and duration;
- Method of transportation;
- Any structures that will be erected (permanent/ temporary);
- Alternatives considered; and
- Long-term developments, the projected outcome of the development for the area and its timeline.

<u>IMPORTANT:</u> If the proposed activities require submission of a NIRB Part 2 PSIR Form, please complete Section 8 only, otherwise continue on with Section 5.



SECTION 5: MATERIAL USE

| 1. | List equipment to b | oe used (includi | na drills, pumps | . aircraft. | vehicles. | etc. |): |
|----|---------------------|------------------|------------------|-------------|-----------|------|----|
|----|---------------------|------------------|------------------|-------------|-----------|------|----|

| Equipment type and number | | Size – dimensions | Proposed use |
|---------------------------|---------------------|--------------------------|-----------------------------------|
| _ | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| a. Detail fuel and hazar | dous material us | e: | |
| | Number of | Total Amount | |
| Fuel | Containers | Total Amount of Fuel (in | Proposed Storage Methods |
| ruei | and Capacity | Litres) | Proposed Storage Methods |
| | of Containers | Litics) | |
| iesel | | | |
| Sasoline | | | |
| viation fuel | | | |
| Propane | | | |
| Other | | | |
| Hazardous Materials | | Total Amount | |
| and Chemicals | | of Hazardous | |
| una onomioaio | | Materials and | |
| | | Chemicals (in | |
| | | Litres) | |
| | | | |
| | | | |
| | | | |
| b. Describe the propos | ed Spill Prevention | on Plan. | |
| | | | |
| | | | |
| | | | |
| a. Detail the anticipate | d daily water con | sumption rates | |
| Daily amount (m³) | | rater retrieval hods | Proposed water retrieval location |
| | illet | iious | |
| b. Have you applied fo | r a water License | with the Nunavut \ | Water Board? |
| □ Y | ES | | □ NO |
| | | | |
| If yes, what class of | licence? | | |

☐ Class A Water Licence



☐ Class B Water Licence

SECTION 6: WASTE DISPOSAL AND TREATMENT METHODS

| List the type | oes of waste | associated | with the | proposed | project a | activities: |
|-----------------------------------|--------------|------------|----------|----------|-----------|-------------|
|-----------------------------------|--------------|------------|----------|----------|-----------|-------------|

| Type of waste | Projected amount generated | Method of Disposal | Additional treatment procedures |
|---------------------------|----------------------------|--------------------|---------------------------------|
| Sewage (human waste) | | | |
| Greywater | | | |
| Combustible wastes | | | |
| Non-Combustible | | | |
| wastes | | | |
| Overburden (organic soil, | | | |
| waste material, tailings) | | | |
| Hazardous waste | | | |
| Other: | _ | | |

2. Describe the proposed Waste Management Plan.

SECTION 7: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

1. List the community representatives that have been contacted and provide the minutes of the meetings if available:

| Community | Name | Organization | Date Contacted |
|-----------|------|--------------|----------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | SECTION 8: GENE | ERAL QUESTIONS | | | | |
|--|------------------------|----------------|------------------------|--|--|--|
| 1. Will you be disturbing | g any known archaeolog | ical sites? | | | | |
| □ YES | | | X NO | | | |
| | | | | | | |
| SECTION 9: APPLICANT SIGNATURE | | | | | | |
| Please sign and date your application: | | | | | | |
| Signature Mark Balog | Chief Opera Title | ting Officer | 25 February 2010 Date | | | |



APPENDIX A Project Type Definitions

- **Access Trail**: A project proposal with the objective of providing vehicular access to an area of interest involving minimal alteration to the terrain.
- **Advanced Exploration:** A project proposal with the objective of identifying size, grade, and physical characteristics of a mineral occurrence and to assess the economic and technical feasibility of developing the mineral deposit into a producing mine
- **All-Weather Road:** A project proposal with the objective of road construction for use in all seasons.
- **Bulk Sampling:** A project proposal with the objective of extracting of large samples of mineralized material involving hundreds to thousands of tonnes. Samples are selected as representative of the potential mineral deposit being sampled. May involve crushing/milling (on small-scale)
- **Harvesting activities:** A project proposal with the objective of harvesting animals, marine mammals and/or fish from their natural habitats by means of hunting or trapping for traditional and commercial use.
- **Marine Based Activities:** Any activity occurring in the marine environment, such as vessel use associated with land-based activities or disposal at sea.
 - *Please note that normal community re-supply or individual ship movements not associated with land-based project proposals shall not be screened by NIRB (Section 12.12.2 of NLCA).
- **Mine Development:** A project proposal with the objective of extracting broken rock with mineralization of sufficient grade and tonnage to sustain commercial mining operations (ore). Mining a body of ore can be achieved by either open pit and/or underground development. Mine development may involve milling. Milling involves treatment of the extracted ore through a combination of mechanical and chemical processes to selectively recover the valuable mineral.
- **Mineral Exploration:** A project proposal with the objective of exploring an area to find geological anomalies. It involves site reconnaissance (ground and/or air) to locate broad and fiscal mineral deposits.
- **Offshore Infrastructure:** A project proposal with the objective of building off loading facilities constructed off the shoreline and connected to the mainland of the marine or freshwater environment. Examples include a jetty, dock, or port facility.
- **Oil and Gas Exploration/Activities:** A project proposal that includes 1) exploration, such as seismic or geological mapping, 2) drilling of oil and gas wells, 3) construction and operation of a pipeline, a gas processing plant or any oil and gas facility within Nunavut.
- **Pits and Quarries:** A project proposal with the objective of pitting, which involves the extraction of granular material (i.e. sands and gravels) and quarrying, which involves the removal of consolidated rock (i.e. bedrock, frozen soil).
- **Scientific Research:** A project proposal with the objective of implementing a series of site activities comprised of observation of phenomena, measurement and collection of data necessary for scientific investigation in designated areas within a limited time period.
- **Seismic Survey:** A project proposal with the objective of conducting a survey to map the depths and contours of rock strata by timing the reflections of sound waves released from the surface. Survey site locations may be offshore (not within 12 nautical miles of any coast), near shore, and extended onshore.
- **Site Cleanups:** A project proposal with the objective of site cleanups (includes DEW line site cleanups), which focuses on the remediation of chemically contaminated soils, stabilization of landfills and dumps, demolition/disposal of infrastructure and debris and monitoring after cleanup is completed.



- **Tourism Activity:** A project proposal with the objective of conducting travel predominantly for recreational, sport or leisure purposes within a designated area and limited time period.
- **Winter Road:** A project proposal with the objective of building a road for winter use by leveling and compacting surface snow and ice. Winter road is removed at end of season.
- **Winter Trail:** A project proposal with the objective of building a trail for winter use by a single pass of a tracked vehicle using a blade, if necessary.