Type of application: New

Proponent name: Alexandre Jones Vilela da Silva [Alex Vilela]
Proponent company: Flexure Minerals Ltd.

Project Description:

The Prescott Project is an early-stage mineral exploration program that will include the following activities: 1: A 5-week fixed-wing geophysical survey based out of Resolute during mid-June to late July, that is non-invasive and will not land in the project area. 2: Later in the season during the first two weeks of August, prospecting, sampling, and geological mapping will take place over the project area, based out of a small temporary exploration camp constructed on Crown Land on eastern Prince of Wales Island. No drilling equipment or heavy machinery will be used over the course of the 2024 exploration program. Only hand tools will be used to complete ground-based tasks. Helicopters will be used to transport personnel to and from field locations. Fixed wing aircraft will be used to transport personnel to and from Resolute to the camp. Drones may also be used to collect airborne photographs. Helicopter operations for mapping and fixed wing landings for personnel transport will be based out of the camp.

Geophysical Survey:
The geophysical survey is an Airborne Gravity Gradiometry survey (AGG), which measures rock density. The survey will take place from around the 15th of June, until around the 25th of July. Measurements will be collected from a fixed wing Basler BT-67 DC-3 aircraft, based out of Resolute. No landings will take place anywhere in the project area on Somerset or Prince of Wales Island, and the aircraft will only land in Resolute to refuel. All staff and support crew for the geophysical survey will stay in Resolute. Flight paths will occur over all of the mineral claims on Prince of Wales and Somerset Islands, at a 175 m spacing, flying in a north-south direction, at least 80 metres above the ground. The survey will take the upmost care to avoid wildlife, flying alternative survey blocks if needed away from any animals sighted.

Geological Mapping and Sampling:
Results from the geophysical survey, as well as desktop studies will be used to guide a 2-week long geological mapping and sampling campaign, that will take place during around the 1st of August to the 14th of August. This will consist of 2 geologists, one assistant and a helicopter pilot flying to areas of interest, to land and conduct geological mapping and take rock chip samples of representative or mineralised rocks, to look for copper-bearing minerals. Only hand tools such as rock hammer will be used to take samples, no power tools or drills of any sort will be used. The staff will be based out of a temporary camp located on Crown land, and the helicopter will refuel from a cache located at the camp. The geological mapping will take the upmost care to avoid wildlife, flying to alternative areas if needed away from any animals sighted.

Exploration Camp:
The exploration camp will be set up over several days at the end of July the group Matrix Camp Solutions. As the camp is only for 5-6 people for up to 14 days, the camp will be limited to 5-6 sleeping tents, a mess, generator, washhouse, and pacto toilet. All tents/buildings will have a fuel berm behind the tent. Camp infrastructure and fuel will be mobilized to site using either a Basler DC-3 or Twin Otter aircraft. The most suitable location of the camp will be determined at the start of the field program via reconnaissance flights. The two possible locations for the one temporary camp have been provided in this application.

The camp will include:
- 1 kitchen and dining hall (14' x 16')
- 1 washroom with 1 shower, 1 sink, 1 clothes washer
- 5 MSR remote sleeper tents
- 1 Generator building
- 1 Bear fence
- 1 Wooden outhouse toilet

Maps outlining the proposed location of the camp are attached to this proposal for reference. The area will be ground-truthed by the construction crew and all camp structures will be placed on durable ground and located more than 50 metres from the nearest high-water mark.
A fuel cache of aviation fuel, diesel, and gasoline in sealed 205 L metal drums will be established near camp and greater than 31 m from the ordinary high-water mark of any water course. See attached maps for the approximate location of the fuel cache. The fuel cache may contain up to 3,500 L of total fuel at times, and the drums will be placed within pop-up "Insta-Berms" with a volume capacity at least 10% greater than the capacity of the largest container placed therein. The fuel cache will be flagged to make it highly visible and clearly marked with the owner's name and contact information. Fully stocked spill kits will be present at the fuel cache and fuel transfer areas. Any other fuel caches associated with the program will be reported to the territorial engineer in accordance with the Territorial Land Use Regulations.

Minimal water will be used for this exploration program. Surface water will be collected from a nearby water body with a pump or portable containers and used for cooking, drinking, and washing in camp. It is anticipated that 1 m3 or less of water will be used each day to accommodate the staff members. Greywater will be deposited to a sump located more than 31 m from the ordinary high-water mark of any body of water. Sewage will be removed from camp. All food and domestic waste will be transported away from site. Empty fuel drums will be removed by helicopter or fixed wing aircraft at the end of the

season. All water use and waste deposition will be documented and available for review as per requirements of the Nunavut Water Regulations.

Flexure Minerals will conduct a thorough end-of-season inspection of the area to check for:
- Hydrocarbon staining
- Fire and safety hazards
- Debris or litter

Flexure Minerals commits to taking a series of photographs of the camp area prior to final demobilization for reporting purposes. All camp items, waste, and fuel barrels will be removed at the end of the season.