



# ABANDONMENT AND RESTORATION PLAN

ARCADIA BAY PROPERTY  
Coronation Gulf Area, NU

Prepared by:



December 1, 2022

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## 1 INTRODUCTION

This Abandonment and Restoration Plan (ARP) applies to mineral exploration activities conducted on behalf of West Kitikmeot Gold Corp. (WKG or the Company) on the Arcadia Bay Property (the Property or the Project), Nunavut, Canada.

This ARP will come into effect December 1, 2022, pending approval. Copies and updates to this plan may be obtained via WKG or APEX Geoscience Ltd. (APEX). The ARP will be replaced, upon approval, if there are any significant changes to the activities outlined in the existing permits which warrant changes to the ARP. Minor changes will be submitted as an addendum to the ARP and submitted to the distribution list as required.

### 1.1 Contact Details

West Kitikmeot Gold Corp P.O. Box 6, 30B Mitik Street Cambridge Bay, NU X0B 0C0 Tel: (867) 983-2458	APEX Geoscience Ltd. 100-11450 160 Street NW Edmonton, AB T5M 3Y7 Tel: (780) 467-3532 <a href="http://www.apexgeoscience.com">www.apexgeoscience.com</a>
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### 1.2 Purpose and Scope

The purpose of the Arcadia Bay Property ARP is to provide guidelines to follow with respect to progressive reclamation, seasonal shutdown and final abandonment of the Property, in order to ensure the return of all camp, staging areas and exploration sites to as near as possible to natural conditions.

### 1.3 Other Plans

The ARP should be considered as a part of the property-wide management system. Other management plans in place at the Arcadia Bay Property include:

- Emergency Response Plan (ERP)
- Environmental Management Plan (EMP)
- Spill Contingency and Fuel Management Plan (SCFMP)
- Waste Management Plan (WMP)

### 1.4 Property and Camp Description

The Arcadia Bay Property is located within the Kitikmeot region of Nunavut, within the 1:50,000 National Topographic System (NTS) map sheet 076M11. The Property is located near the shore of Arcadia Bay, on the Coronation Gulf, approximately 160 kilometres (km) east of Kugluktuk and 305 km southwest of Cambridge Bay. The Property is composed of one Mineral Exploration Agreement (MEA), on Inuit-Owned Land (IOL) subsurface parcel CO-31 and one federal mineral claim on IOL surface parcel CO-32. The Property is centred at approximately 67°42'21.6"N and 111°32'13.2"W or 483608 Easting/7510147 Northing, using the Universal Transverse Mercator (UTM) projection, North American Datum (NAD) 83 zone 12.

The Exploration Agreement area is 2,652.63 hectares as per the MEA, WestKit-0001, between Nunavut Tungavik Inc. (NTI) and Nunavut Resources Corp. (NRC) dated June 1, 2014 and amended May 27, 2016 and November 1, 2016. The MEA assigned to West Kitikmeot Gold (WKG), a subsidiary of NRC, on October 1, 2019. The federal mineral claim area is 215.499 Ha, partially overlapping with the Exploration Agreement area.

Proposed Project activities include general exploration, such as prospecting, geological mapping, geochemical sampling (rock and till/soil) and geophysical surveys (airborne and ground) as well as drilling (reverse circulation and/or diamond core), totaling approximately 5,000 to 10,000 metres (m) annually. A seasonal camp will be required to support the exploration activities. In addition, a barge landing site, located on the north end of IOL CO-31, is being utilized as the staging area for the Project to mobilize and demobilize equipment, fuel and supplies. A helicopter will remain onsite to move personnel and equipment around the Project.

The camp will be located approximately 2 km south of the barge landing, at a historic site used by Orofino Resources Ltd. in the late 1980's. The approximate location of the camp will be 67°43'12.9" N and 111°23'6.9" W or 483701E/7511726N UTM NAD 83 Zone 12. The camp structures are expected to include 1 office tent (12X16'), 3 sleeping tents (12X16' each), 1 first aid tent (12X16'), 1 kitchen tent (16X20'), 1 dry (16X20'), 1 generator/storage shack or Weatherhaven tent (14X16'), 1 core logging/sample storage shack (16X20') and 1 5'x5' wooden outhouse structure. The majority of the structures will be insulated Weatherhaven tents, or similar, with plywood floors.

Fuel and materials will be delivered primarily by barge to the project area, including diesel, jet fuel, propane, lumber, and calcium chloride. Depending on barge capabilities and weather conditions, fuel and materials will either be transferred by helicopter directly to the camp and active drill sites, or will be first stored onshore near the barge landing and then transferred by helicopter. A fuel cache will be established adjacent to the camp. A small number of drums of fuel will be required to support the drill at the active drill site. In addition, temporary fuel caches (less than 4,000 L) may also be required to support the general exploration activities at the Property.

Annual exploration and drilling activities are anticipated to commence in the spring, as early as May and run until September. There is the possibility for winter drilling as well, but it is not currently being planned due to the additional logistical issues winter weather conditions create.

## 2 SCHEDULE

Annual exploration programs are projected to start in spring. It is anticipated that camp construction/opening will take approximately one week. General exploration and drilling activities are anticipated to commence as soon as the camp is operational. Field programs are anticipated to run until end of September, dependent that weather and ground conditions are acceptable to support the activities. Prior to each year's program commencement, all regulatory authorities will be notified and supplied with updated schedules and locations of activities.

Final abandonment and restoration at the Project will commence as soon as possible after it has been determined that the Project does not warrant further exploration or following commercial production. The duration of the final abandonment and restoration is dependent on the scale of infrastructure on site and on environmental parameters (physical, biological, and socio economic). All abandonment and restoration work will be completed prior to the date of expiry of any existing or future applicable land use permits and water licenses.

### 3 DETAILED INFRASTRUCTURE

#### 3.1 Proposed Seasonal Camp

The following is a list which details the potential structures, equipment and vehicles that may be constructed or stored at the proposed seasonal camp.

##### 3.1.1 Structures

- 5 12'x16' insulated Weatherhaven tents (or similar) with plywood flooring to serve as office, sleeping and first aid tents
- 3 16'x20' insulated Weatherhaven tents (or similar) with plywood flooring to serve as kitchen, dry and core logging/sample storage tents. The dry will contain 1 sink and 1 shower.
- 1 14'x16' Weatherhaven tent (or similar) with plywood flooring, or completely wooden shack (to assist with sound insulation), to serve as housing for a 10 to 20 kW diesel generator.
- 1 5'x5' wooden outhouse structure

##### 3.1.2 Other Camp Infrastructure

- 2 Water tanks (1 for kitchen and 1 for dry)
- 2 Water pumps with fish screens and hose line
- 1 Camp fuel cache, with Insta-Berm (or similar) secondary containment.

##### 3.1.3 Vehicles

- 1 Helicopter (A-Star, Bell 407, or similar)
- 2 All-terrain Vehicle
- 2 Snowmobiles

##### 3.1.4 Drilling Equipment

- 1 Zinex A5 (or similar) diamond drill complete with motor, gear box, drill head, tower, overshot, skids/tracks, tundra mats, and housing
- 1 Supply pump with shack
- 1 Mix tank with pressure pump
- 6 Coil heater
- 6 Fuel tank
- 6 Fly basket for drill equipment, spares, supplies, etc.
- 400 3 m NQ drill rods
- 50 NQ casing (various sizes)
- 150 100' hose line

## 4 PROGRESSIVE RECLAMATION

From the *Guidelines for the Closure and Reclamation Cost Estimate for Mines in the Northwest Territories*, prepared by Mackenzie Valley Land and Water Board and Aboriginal Affairs and Northern Development Canada, November 2013:

*“Progressive reclamation takes place prior to permanent closure to reclaim components and/or decommission facilities that no longer serve a purpose. These activities can be completed during operations with the available resources to reduce future reclamation costs, minimize the duration of environmental exposure, and enhance environmental protection. Progressive reclamation may shorten the time for achieving closure objectives and may provide valuable experience on the effectiveness of certain measures that might be implemented during permanent closure.”*

Progressive reclamation will be completed for all activities conducted at the project, including camp and barge landing site use, general exploration and drilling. The progressive reclamation activities will include, but not be limited to:

- Photos will be taken at each drill site before and after drilling operations.
- Drill equipment, fuel and all other hazardous materials will be moved to the next drill site immediately.
- All garbage, debris and empty drums from the drillsite will be backhauled to camp or to a properly sectioned off staging area at the barge landing site. Any equipment, drums or containers that contain or have contained fuel or any other hazardous material will be stored in secondary containment all locations at the Project.
- If any artesian water flow is detected during drilling, the hole will be plugged and cemented in bedrock to prevent continued flow.
- Drill casing will be removed at the termination of each hole, or if removal is not possible, cut off below ground level and capped.
- Any spills will be treated and reported, as per the Arcadia Bay SCFMP.
- No material or residue will be allowed to accumulate on the lake ice surface. Any material that may become frozen into the ice during the drill operations will be chipped out and removed for proper disposal.

## 5 SEASONAL SHUTDOWNS

### 5.1 Inspection and Documentation

Prior to a seasonal shutdown of the Project, a complete inspection of all areas, including drill sites, fuel caches, the barge landing site and camp, will be conducted. Photographs will be taken to document the conditions prior to leaving the site, and will be archived along with any photos taken at the beginning of each season. Copies of these photos will be included as part of the Annual Reports.

### 5.2 Buildings, Content, and Fuel

A full inventory of all structures, equipment, fuel, and other supplies stored at the camp or barge landing site will be taken at the beginning and end of each exploration season.

The majority of all food, fuel, wastes, empty fuel drums, and valuable or sensitive equipment will be removed from site, but those which are not able to be removed will be properly secured, protected from weather/wildlife and winterized. A few wooden structures will be left at the camp as emergency shelters and to secure items. One structure will be designated to house any chemicals or other hazardous materials that are not suited to outdoor storage. All water tanks, pipes, pumps and hoses, remaining at site, will be drained and stored inside a secured structure. All mechanical equipment to remain at site, including any drill equipment and generator, will be winterized and stored in berms for secondary containment. When possible, the equipment and berms will be fully covered.

### 5.3 Waste

All wastes will be separated into combustible, recyclable, non-combustible and hazardous waste. All waste that is not suitable for incineration will be backhauled for proper disposal, either by aircraft after a supply restock during the program or at the termination of the program or by barge after the program, if one is available. Any waste items not able to be backhauled during, or at the termination of, the seasonal program, such as empty fuel drums or non-functioning large equipment, will be backhauled on the barge mobilizing the supplies at the commencement of the next season. Any waste remaining at the Project either at the camp or barge landing site will be inventoried, recorded and listed in the Annual Reports.

#### *5.3.1 Combustible Waste*

All combustible waste will be incinerated in accordance with the Nunavut Environmental Guideline for the Burning and Incineration of Solid Waste utilizing an Environment Canada-approved batch waste, controlled air, dual chamber incinerator. Any residual waste (ash) will be placed in sealed containers and backhauled for proper disposal.

#### *5.3.2 Non-Combustible, Recyclable and Hazardous Waste*

All non-combustible, recyclable and hazardous wastes, including lubricating oils, hydraulic fluids, petroleum-based solvents, batteries, aerosol cans and fluorescent light bulbs will be sealed in appropriate containers and backhauled for proper disposal at an accredited facility.

#### *5.3.3 Grey Water*

Camp grey water will be stored and treated in an excavated sump, which will allow for slow infiltration into the soil and will be located at least 31 m from the high water mark of any water body. If available, coarse gravel will be placed in the bottom of the sump to provide filtration, and supports will be built on the sides to prevent slumping. Filters will be installed on kitchen drains to ensure solid food wastes do not enter the sumps and have the potential to attract wildlife. The filters will be cleaned and inspected on a regular basis. When full, grey water sumps will be covered with enough material to allow for future ground settlement.

#### *5.3.4 Sewage*

Outhouses (privy pits or pacto system) will be located at least 31 m from the high water mark of any water body. To control sewage pathogens, outhouses will be periodically treated with lime. When full, the pits will be covered with at least 30 centimetres (cm) of compacted soil. Pacto toilet systems waste will be incinerated. Incineration of sewage will only occur if the incinerator is a model that is specifically designed to be capable of incinerating this type of waste.

### 5.3.5 *Contaminated soils/snow*

Any contaminated soil, snow, or ice will be cleaned up immediately in accordance with the Arcadia Bay Property SCFMP. All contaminated soil, snow, and ice will be sealed in 205 Litre steel drums and stored in the hazardous waste storage area to await backhaul to a registered hazardous waste receiver.

### 5.3.6 *Empty fuel drums*

Empty drums will be collected in a designated area either at the camp or barge landing site and returned to the supplier. Alternatively, the drums may be drained, air dried, and backhauled to a recycling facility.

For more information on waste generation and management see the Arcadia Bay Property WMP.

## 5.4 Seasonal Restoration

Any contaminated areas around the camp, barge landing site, fuel caches or drill sites will be treated in accordance with the Arcadia Bay Property SCFMP. Any washed-out areas will be filled and re-contoured to natural levels. Any areas of disturbed vegetation, including camp, fuel caches or drill sites will be photographed and managed as per recommendation of the KIA and CIRNAC inspector. Remediation procedures might include moving structures or equipment and the use of fertilization to encourage re-growth.

## 6 FINAL ABANDONMENT AND RESTORATION

### 6.1 Inspection and Documentation

Prior to final abandonment of the Project, a thorough inspection of all areas will be conducted. Any contaminated areas around the camp, the barge landing site, fuel caches or drill sites that have gone unnoticed will be treated as per the SPFMP. Photographs will be taken to include in the final reports submitted to the KIA and NWB. All relevant regulatory agencies will be notified upon final abandonment of the Property.

### 6.2 Buildings, Content, and Fuel

Prior to KIA land use Licence, NWB water licence or NTI MEA termination, all structures, equipment, supplies fuel and waste will be removed from the Property, with the exception of the drill core stacks, which will be permanently secured on site. Any materials of value on site will be salvaged.

Any wooden floors will be burned in accordance with the Nunavut Environmental Guideline for the Burning and Incineration of Solid Waste, and tent sites may be fertilized, as per recommendation by the KIA and CIRNAC Inspector, to encourage re-vegetation. The open burning of structures will only occur after approval from the KIA, CIRNAC Inspector and NWB. A request letter will be submitted to the regulating authorities, which will include the characteristic and volume of material to be burned.

Drills and drilling equipment will be dismantled, packaged, secured, and shipped as per the drill contract. All drill casing will be removed from the ground or if removal is not possible, cut down to ground level or below and capped.

All remaining fuel, empty drums and chemicals will be removed from site. The soil under and surrounding any area where hazardous material was stored will be thoroughly inspected for any contamination and photographs will be taken.

### 6.3 Waste

All wastes will be disposed of in accordance with the Arcadia Bay Property WMP and any contamination will be treated as per the SCFMP. Sumps will be inspected to ensure there is no leaching or run-off and back filling and levelling will be employed as necessary.

### 6.4 Restoration

Tent sites, drill sites, storage areas and any other areas disturbed by activities related to exploration at the Arcadia Bay Property will be fertilized as recommended by the KIA and CIRNAC Inspector to encourage re-vegetation. Eroded or washed out areas related to exploration activities will be filled and re-contoured to natural levels. Any contaminated areas around the camp, barge landing site, fuel caches or drill sites that have gone unnoticed will be treated as per the SPFMP.

## 7 POST-CLOSURE SITE MONITORING

After reclamation is complete, if required, annual monitoring may take place. Monitoring activities as directed by the appropriate regulatory agency may consist of soil and water testing, measuring and documenting plan re-growth, examining potential run-off and erosion problems, and checking the stability and condition of the core boxes. Reports, including photographs, will be submitted to the appropriate regulatory bodies. The monitoring will continue as long as the regulating bodies deem it necessary.

## 8 PROJECT CONTACT INFORMATION

Table 7.1: Emergency Contact Information

Contact	Telephone Number
Michael Dufresne APEX Geoscience Ltd. – Principal & Project Manager	780-467-3532 mdufresne@apexgeoscience.com
Tara Gunson APEX Geoscience Ltd. – Permitting & Logistics Support	780-467-3532 tgunson@apexgeoscience.com
Brendan Bell West Kitikmeot Gold Corp. - Chief Executive Officer	867-983-2458 bbell@westkitgold.ca
Elliot Holland West Kitikmeot Gold Corp. - Chief Operating Officer	867-446-0309 eholland@westkitgold.ca
24 Hour Nunavut Spill Report Line	867-920-8130
Kitikmeot Inuit Association	867-982-3310
CIRNAC Resource Management Officer (Kitikmeot Region)	867-982-4306 (Kugluktuk)
Nunavut Water Board	867-360-6338

APPENDIX 1:  
Arcadia Bay Property Figures

