

# **2021 Work Plan**

## **KAHUNA GOLD PROPERTY NUNAVUT, CANADA**

Prepared for:



**KIA Land Use Licence Number: KVL318B01**  
**KIA Land Use Licence Number: KVRW18F02**  
**CIRNAC Land Use Permit Number: N2018C0020**  
**Nunavut Water Board: 2BE-KGP1823**

Submitted: December 2020  
Prepared by: B. Barham, Senior Geologist  
Solstice Gold Corporation  
Suite 1020-800 West Pender Street Vancouver, BC, V6C 2V6



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## 1 Introduction

The Kahuna Property is located between the communities of Rankin Inlet (Kangiqliniq) and Chesterfield Inlet (Igluigaarjuk) in the Kivalliq Region of Nunavut (Figure 1). The property hosts known gold and diamond occurrences and comprises 72 mineral claims (88589 Ha) held 100% by Solstice Gold Corp. and 19 federal claims (22081 Ha) held jointly with Kodiak Copper Corp. (50:50, formerly Dunnedin Ventures Inc.). Solstice Gold Corp. has primary rights on 9022 Ha of the jointly held claims.

The exploration program planned for 2021 may include rock, soil and/or till sampling, prospecting and geological mapping, ground and/or airborne geophysical surveying, and drilling using diamond core and/or reverse circulation methods. Exploration activities on the Kahuna Property are authorized by CIRNAC Land Use Permit N2018C0020, KIA Land Use Licenses KVL318B01/KVRW18F02 and NWB Water License 2BE-KGP1823.

## 2 Property Description & Location

The property consists of 72 federal mineral claims (79567.46 Ha) held exclusively by Solstice Gold Corp. and 19 federal mineral claims (22081 Ha) held jointly (50:50) with Kodiak Copper Corp. (Appendix A). Solstice Gold Corp. holds primary rights to 88589 Ha total of which 9022 Ha are a portion of the jointly held claims. The claims are located on NTS map sheets 055O/02, 055O/03, 055O/04, 055O/05, 055O/06, 055O/07, 055J/13, 055J/14, 055N/01 and 055N/08 (Figure 1). The southern boundary of the property adjoins the north boundary of Subsurface Inuit Owned Land (IOL) Parcel RI-01, approximately 25 kilometres northeast of Rankin Inlet. The northeast and northwest corners of the property are located approximately 10 kilometres southeast and approximately 75 kilometres west of Chesterfield Inlet, respectively. The Property extends north, south, east and west between Latitudes 62°58' and 63°19' North and Longitudes 90°44' and 92°13' West (UTM coordinates: 6,983,000mN to 7,023,000mN and 539,000mE to 614,000mE, NAD83, Zone 15). A total of 40 mineral claims are located within, or partially within, the boundaries of Surface Inuit Owned Land Parcel CI-15.

## 3 Permitting

Permits and licenses authorizing exploration work on the property have been issued by the Kivalliq Inuit Association (KIA) for parts of the property covering Inuit Owned Lands (IOL), by Crown Indigenous Relations and Northern Affairs Canada (CIRNAC) for Crown Lands and by the Nunavut Water Board (NWB). See Table 1 for a list of active permits and licenses issued for lands that comprise the Kahuna Property. Copies of the Kahuna Property permits and licenses and the terms and conditions thereof, are available with at the site office during operations.

Mineral exploration activities authorized by these permits and licenses include prospecting, claim staking, rock, till and soil sampling, geological mapping, ground geophysical surveying, and diamond and reverse circulation drilling. A fuel cash of 300 drums of fuel is permitted at the Kahuna Camp approximately 40 kilometres northeast of Rankin Inlet and 50 kilometres southwest of Chesterfield Inlet. A permitted overland winter trail to follows a pre-existing route between Rankin Inlet and Chesterfield Inlet.



TABLE 1: SOLSTICE GOLD FEDERAL CLAIMS

Name	Num	Status	Anniv	Area (ha)	Owners	Name	Num	Status	Anniv	Area (ha)	Owners
KH 21	F95187	ACTIVE	20250303	1195.9	SGC100	KH 112	K91812	ACTIVE	20191024	1220.78	SGC100
KH 22	F95188	ACTIVE	20250303	1127.3	SGC100	KH 113	K91813	ACTIVE	20191024	1217.36	SGC100
KH 29	F95195	ACTIVE	20250303	304.5	SGC100	KH 114	K91814	ACTIVE	20191024	1221.19	SGC100
KH 30	F80214	ACTIVE	20180830	1230.4	SGC100	KH 115	K91815	ACTIVE	20191024	1189.28	SGC100
KH 31	F80219	ACTIVE	20180830	1246.6	SGC100	KH 116	K91816	ACTIVE	20191024	1230.14	SGC100
KH 32	F80220	ACTIVE	20180830	1245.5	SGC100	KH 117	K91817	ACTIVE	20191024	1201.22	SGC100
KH 33	K90296	ACTIVE	20180830	1245.4	SGC100	KH 118	K91818	ACTIVE	20191024	1229.13	SGC100
KH 34	K90297	ACTIVE	20180830	878.1	SGC100	KH 119	K91819	ACTIVE	20191024	1198.29	SGC100
KH 35	K90298	ACTIVE	20180830	867.3	SGC100	KH 120	K91820	ACTIVE	20191024	1211.24	SGC100
KH 36	K90299	ACTIVE	20180830	1201.1	SGC100	KH 121	K91821	ACTIVE	20191024	1222.5	SGC100
KH 37	K90300	ACTIVE	20180830	1077.3	SGC100	KH 122	K91822	ACTIVE	20191024	1198.63	SGC100
KH 38	K90301	ACTIVE	20180830	1122.9	SGC100	KH 123	K91823	ACTIVE	20191024	1218.88	SGC100
KH 39	K90302	ACTIVE	20180830	1164.9	SGC100	KH 124	K91824	ACTIVE	20191024	1189.1	SGC100
KH 40	K90303	ACTIVE	20180830	1232.4	SGC100	KH 125	K91825	ACTIVE	20201024	1218.84	SGC100
KH 41	K90304	ACTIVE	20180830	1250	SGC100	KH 126	K91826	ACTIVE	20191024	1192.13	SGC100
KH 42	K90305	ACTIVE	20180830	1250	SGC100	KH 144	K91744	ACTIVE	20271024	126.18	SGC100
KH 43	K90306	ACTIVE	20190830	1250	SGC100	KH 145	K91745	ACTIVE	20271024	101.24	SGC100
KH 44	K90307	ACTIVE	20180830	1250	SGC100	KH150	K91746	ACTIVE	20200622	1250	SGC100
KH 45	K90308	ACTIVE	20180830	1250	SGC100	KH151	K91747	ACTIVE	20200622	1250	SGC100
KH 46	K90309	ACTIVE	20180830	1240.6	SGC100	KH152	K91748	ACTIVE	20200622	1250	SGC100
KH 47	K90310	ACTIVE	20190830	1250	SGC100	KH153	K91749	ACTIVE	20200622	1250	SGC100
KH 48	F92423	ACTIVE	20260830	918.4	SGC100	KH154	K91750	ACTIVE	20200622	1250	SGC100
KH 49	F92424	ACTIVE	20180830	1249.8	SGC100	KH155	K91751	ACTIVE	20200622	1250	SGC100
KH 50	F92425	ACTIVE	20180830	1045.2	SGC100	KH156	K91752	ACTIVE	20200622	920	SGC100
KH 51	K90378	ACTIVE	20181214	1045.2	SGC100	KH157	K17795	Pending		1234.91	SGC100
KH 52	K90379	ACTIVE	20181214	1045.2	SGC100	KH158	K17796	Pending		789.6	SGC100
KH 53	K90380	ACTIVE	20181214	1045.2	SGC100	KH 7	F95582	ACTIVE	20240812	1149.5	SGC 50 DVI 50
KH 54	K90381	ACTIVE	20181214	1045.2	SGC100	KH 8	F95583	ACTIVE	20240812	1250	SGC 50 DVI 50
KH 55	K90382	ACTIVE	20181214	1045.2	SGC100	KH 9	F95584	ACTIVE	20240812	1250	SGC 50 DVI 50
KH 56	K90383	ACTIVE	20181214	1045.2	SGC100	KH 12	F94927	ACTIVE	20250303	1250	SGC 50 DVI 50
KH 57	K90384	ACTIVE	20181214	1045.2	SGC100	KH 13	F94928	ACTIVE	20250303	1250	SGC 50 DVI 50
KH 60	K90387	ACTIVE	20181214	1250	SGC100	KH 14	F94929	ACTIVE	20200303	1250	SGC 50 DVI 50
KH 64	K90391	ACTIVE	20181214	1250	SGC100	KH 16	F95182	ACTIVE	20250303	1250	SGC 50 DVI 50
KH 65	K90392	ACTIVE	20181214	1250	SGC100	KH 17	F95183	ACTIVE	20250303	1250	SGC 50 DVI 50
KH 67	K90394	ACTIVE	20181214	1250	SGC100	KH 18	F95184	ACTIVE	20250303	1250	SGC 50 DVI 50
KH 68	F93676	ACTIVE	20181214	1250	SGC100	KH 23	F95189	ACTIVE	20210303	1250	SGC 50 DVI 50
KH 69	F93678	ACTIVE	20181214	1250	SGC100	KH 77	K90345	ACTIVE	20211214	1076.9	SGC 50 DVI 50
KH 71	F93681	ACTIVE	20181214	1012.1	SGC100	KH 78	K90346	ACTIVE	20261214	1250	SGC 50 DVI 50
KH 72	F93682	ACTIVE	20181214	1017.7	SGC100	KH 83	K90351	ACTIVE	20191214	1250	SGC 50 DVI 50
KH 73	F93683	ACTIVE	20181214	1023.4	SGC100	KH 84	K90352	ACTIVE	20181214	1250	SGC 50 DVI 50
KH 74	F93684	ACTIVE	20231214	1029.1	SGC100	KH 92	K90360	ACTIVE	20201214	1156.9	SGC 50 DVI 50
KH 75	F93680	ACTIVE	20261214	823.1	SGC100	KH 93	K90361	ACTIVE	20181214	1250	SGC 50 DVI 50
KH 76	F93685	ACTIVE	20221214	1080.9	SGC100	KH 94	K90362	ACTIVE	20181214	1000	SGC 50 DVI 50
KH 106	K90374	ACTIVE	20181214	405.1	SGC100	KH 95	K90363	ACTIVE	20191214	447.7	SGC 50 DVI 50
KH 110	K91810	ACTIVE	20191024	1213.2	SGC100	KH 105	K90373	ACTIVE	20181214	1000	SGC 50 DVI 50
KH 111	K91811	ACTIVE	20191024	1222.22	SGC100						
				50736.8	SGC100					28830.64	SGC100
						Total	DVI	SGC			
						22081	13059	9022	9022	SGC Portion	
50:50 Claims Ha						22081	13059	9022	88589.46	TOTAL ha	

\*Note: Anniv dates subject to 2019 Assessment Report submitted Jan 30, 2020



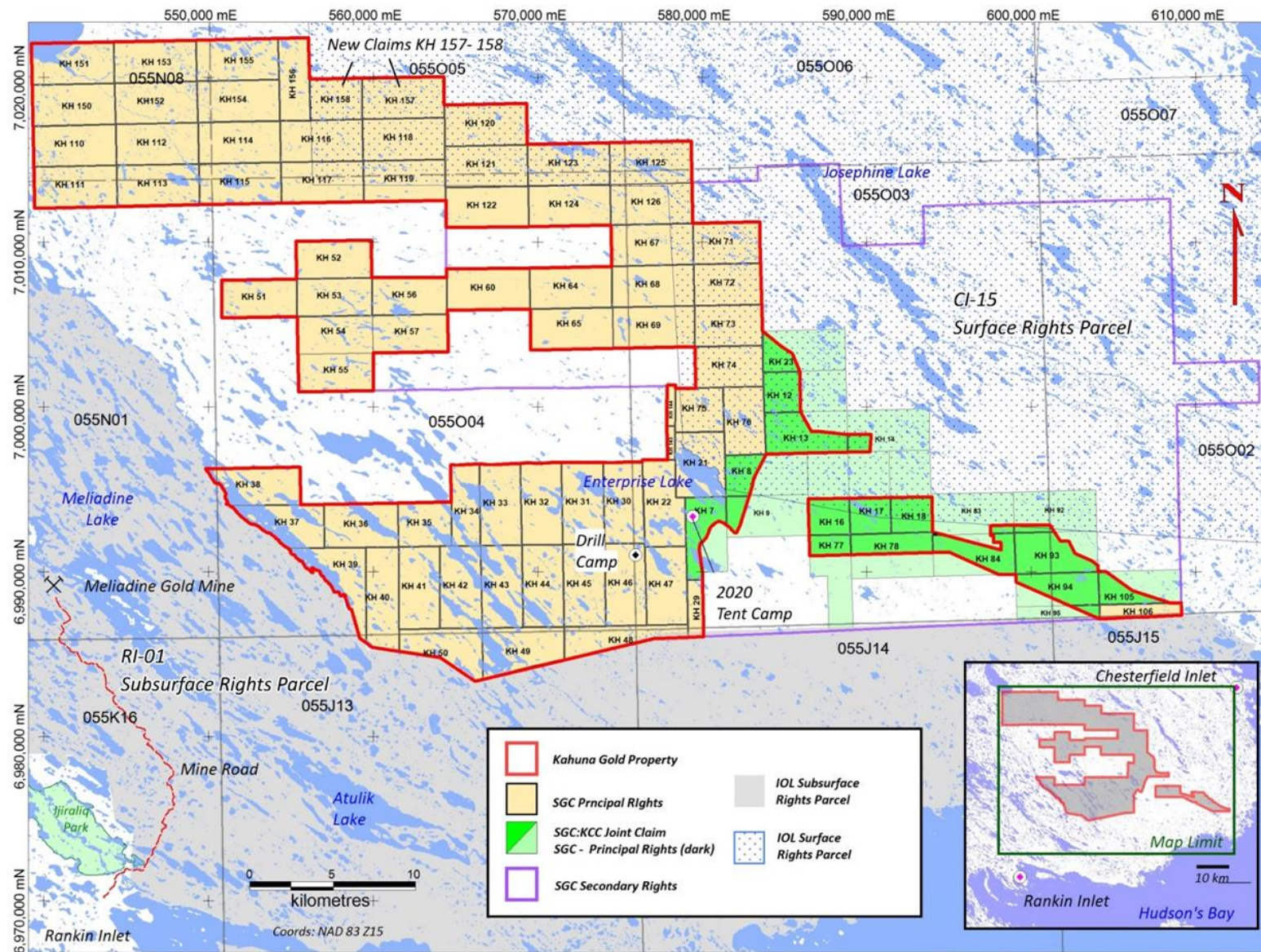


FIGURE 1: KAHUNA PROPERTY LOCATION AND LAND TENURE



**TABLE 2: 2019 SOLSTICE LAND USE PERMITS AND LICENCES**

Regulator	ID	Issued	Start	Expiry	Term	Note
NWB	WL 2BE- KGP1823	17-Dec-18	17-Dec-18	16-Dec-23	5 yr	Renewable
CIRNAC	LUP N2018C0020	14-Jan-19	01-Feb-19	31-Jan-24	5 yr	Extendable
KIA	KVL318B01	27-Feb-19	01-Feb-19	31-Jan-21	2 yr	Land Use
KIA	KVRW18F02	12-Mar-19	12-Mar-19	31-Jan-21	2 yr	Winter Road
CIRNAC	PL 20425	30 Mar 18	30 Mar 18	30 Mar 21	1 yr	Renewable

NWB - Nunavut Water Board

WL - Water License, PL- Prospecting

CIRNAC - Crown - Indigenous Relations and Northern Affairs Canada

## 4 Contact Information

Martin Tunney, President  
Solstice Gold Corporation  
Suite 1020-800 West Pender Street  
Vancouver, BC, V6C 2V6  
mtunney@solsticegold.com  
www.solsticegold.com

## 5 Work to Date

The Kahuna Gold Property 2018-2020 work programs are described in detail in the 2018, 2019 and 2020 annual reports. Exploration activities conducted in 2019 include geological mapping, prospecting, rock sampling, and a six-hole drilling program. The exploration program was based out of Rankin Inlet and took place between June 25th and September 20th.

The 2020 exploration was a limited program of geological mapping and prospecting was conducted in August and September of 2020. The exploration program was based out of Rankin Inlet and a two-person camp located near Enterprise Lake.

## 6 2021 Exploration Program

The 2021 field program is under evaluation but may include drilling (diamond or reverse circulation) on selected targets in the drill area shown on Figure 2. While Figure 2 shows the highest priority area for the work program it is possible that Solstice may continue working on its claims outside of the priority area. Other exploration activities including rock, till and soil sampling, prospecting, and geological mapping, ground geophysical surveying, and possibly airborne geophysics are contemplated. The program could start in mid to late February with an overland mobilization of equipment and supplies on Solstice's permitted overland Kahuna Winter Trail from Rankin Inlet to the property using Caterpillar Challengers and cargo sleds. Solstice's permitted fuel cache, of up to 300 drums of fuel, will be established at the 'Solstice Camp', approximately 40 kilometres northeast of Rankin Inlet and 50 kilometres southwest of Chesterfield Inlet (Figure 2).



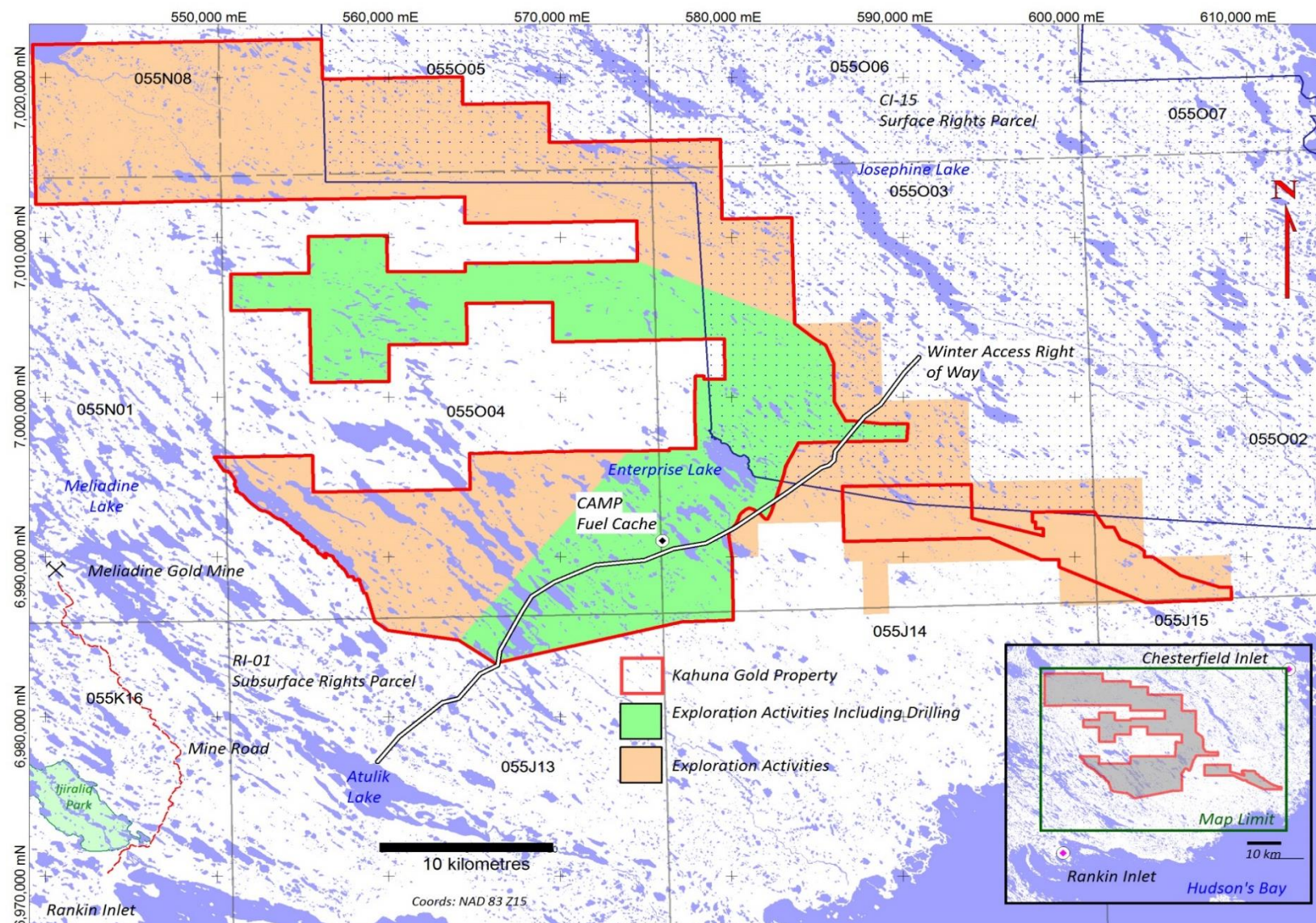


FIGURE 2: 2021 PROPOSED EXPLORATION WORK PLAN AREA



The drill program could start between mid-March to mid-May to test targets under lakes and could continue with land targets through the summer. Ground based prospecting and sampling activities may follow in mid-June once the land is free from snow and the property surface is fully accessible.

## **6.1 Permitted Work**

### **6.1.1 Equipment**

Equipment currently permitted for use on the Kahuna Property is included in Table 3 below.

Type	Size	Purpose
Helicopter - 1	A Star, Long Ranger (or similar)	Transportation - crews & equipment
Core Drill heli-portable - 1	Boyles 17A or equivalent	Drill testing
Snow Machine - 4	Small to mid-size	Transportation
Water Pump - 2	Gasoline powered	Water supply for drill & field camp

### **6.1.2 Prospecting, Rock Sampling and Geological Mapping**

Solstice has proposed a 2021 prospecting and geological mapping program. Crews will be based out of Rankin Inlet or Solstice Camp (Figure 2) and will be transported to the prospecting area daily via helicopter. Prospecting will include mapping and sampling of geological outcrops and glacial float occurrences for the presence of economic mineralization including precious metals. Rock samples of interest will be collected in plastic bags, assigned a unique sample number, their GPS coordinates recorded, and notes are taken to describe the general characteristics of the rock. Prospecting, rock sampling, till sampling and geological mapping may be undertaken variously across the entire property as shown on Figure 2 as ongoing results from work warrant.

### **6.1.3 Ground Geophysical Surveys**

Solstice may conduct detailed ground geophysical surveying in 2021 to assist in the delineation of high priority geological targets. Possible survey methods to be utilized include ground magnetic, ground electromagnetic and ground gravity surveying. Ground geophysical surveys are generally conducted on foot by walking along predetermined grid lines but can also be conducted by crews utilizing snowmobiles during winter months. Ground geophysical surveys are passive, low impact and non-invasive and no disturbance to the land surface is anticipated.

### **6.1.4 Diamond and Reverse Circulation Drilling**

A 20,000 m diamond drilling and/or reverse circulation (“RC”) drill program is proposed for 2021 to investigate geological anomaly’s that are characteristic of potentially gold bearing, economic mineralization.

One to two heli-portable diamond drill or RC rigs will be used. The drill will be configured such that it can be mounted on skids and when snow conditions allow and can be moved



from drill site to drill site via overland haul using Caterpillar Challengers. The program may commence in early March 2021. Drill operations will continue until approximately May 15th and if necessary, land targets could be drilled during summer months with helicopter support. Solstice Gold Corp adheres to the Caribou Protection measures outlined in Solstice's work permits, licenses and management plans.

As conditions allow, winter drilling activities will be supported by ground access using Caterpillar Challengers to move the drill rig, by snowmobile and by Bombardier tracked vehicles to facilitate daily crew changes and service runs. For safety, a helicopter will be based on site and will be utilized to service the rig and drill crews when ground access is not feasible. If overland conditions do not permit ground travel or when drilling operations are conducted during the summer months, the drill rig and ancillary equipment and supplies will be dismantled into individual components and will be transported by helicopter.

The rig will operate 24 hours a day using two 2-man crews each working 12-hour shifts. Local water sources proximal to drill sites will be used to support drilling operations. When conditions allow, water will be pumped to the drill site via hose line. When the distance to the nearest water source is too far to pump water reliably via hose line, then water will be hauled to the drill site via Challenger with water tanks on a cargo sled. Drill target areas for the 2021 program are shown on Figure 2.

Individual drill holes will range in depth from 50 metres up to 500 metres. Holes will be drilled at angles ranging from -45 degrees to -90 degrees. The azimuth of the drill hole will be dependent upon the anomaly targeted.

A typical drill site occupies less than 0.07 hectares of surface area and comprises a drill rig in a plywood shack on skids or a timbered floor, with drill rods, supplies and a survival shelter staged adjacent to the drilling rig. Water to support the operation is sourced from the nearest suitable waterbody using an electric water pump. A coil heater and generator providing power to the pump are staged on a containment platform placed a minimum 31 metres from the high-water mark. A hose line from the water pump connects the water source to the drill rig. The water pump operates at maximum flow rate of 97 cubic metres per day.

During drilling operations, drill cuttings or effluents are flushed from the hole by the circulating water. Occasionally additives to water are used to assist with the operation. Additives used will be biodegradable wherever possible and have been approved for use under the existing permits and licenses. Drill effluents will be pumped from the drill hole to a naturally occurring depression near the drill site to capture drill cuttings, or to a sump excavated for that purpose, or to settling tanks that will allow the cuttings to settle and be contained in bulk bags that can then be transported to a suitable naturally occurring depression. All effluents will be controlled. No effluents or cuttings will be allowed to enter nearby water bodies or drainage courses.

All drilling equipment used during the drilling operation will be removed from the drill site upon completion of the hole. Drill casing will be removed or cut off below ground level at that time. The project manager or designate will inspect each drill site to ensure that it is



properly cleaned and restored. Photographs will be taken of the site before the drill and ancillary equipment arrive, during the drilling operation and of the site once the hole is complete and the drill and support equipment have been removed. The GPS location of the drill hole will be recorded, and the drill hole collar will be marked and identified by its hole number and year of completion.

For any lake-based drilling, guidelines for drilling on ice will be followed. All drill holes will be plugged and cemented in bedrock below the lake bottom and the drill casing will be removed. 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.

The drill rig survival shelter is to be used by the drill crew in the event of unsafe weather conditions, when overland access or helicopter access to the drill rig is not possible. It will contain cots and bedding, food rations, a VHF radio, a satellite phone and first aid supplies.