



## **ANNUAL REPORT**

Committee Bay Project

2012

**Distribution:**

- ☐ Kitikmeot Inuit Association
- ☐ Aboriginal Affairs and Northern Development Canada
- ☐ Nunavut Water Board
- ☐ NIRB

## **Background**

North Country Gold Corp. ('NCG') is a publically listed, Canadian based exploration company focussed on the discovery and development of gold resources within the Committee Bay region of Nunavut Territory, Canada. The company was created and listed on the TSX venture exchange in March 2010 as a new entity to facilitate ongoing development of the Committee Bay properties held previously by CBR Gold Corporation and Committee Bay Resources. While North Country Gold appears as a brand new exploration company in Nunavut, the Corporation's principals and management team boast more than 18 years of experience within the Committee Bay region and more than 100 years of combined experience investing and operating in Nunavut.

North Country Gold Corp. invested approximately \$11.8M on exploration in 2012 and via predecessor companies CBR Gold Corporation and Committee Bay Resources, principal's facilitated investment in excess of 59.3 million dollars on the Committee Bay region since 1992.

NCG is committed to expanding and developing its flagship Three Bluffs high grade gold deposit while concurrently advancing regional gold targets and continuing exploration within its Committee Bay properties.

## **Project Description**

The Committee Bay Project currently comprises a land package of 142 mineral claims, 12 active mineral leases, and 43 pending mineral leases, securing mineral rights to the most prospective portions of the 300 km long gold rich Committee Bay Greenstone Belt. The 190,414 hectare property encompasses the Three Bluffs gold deposit, eight advanced gold targets and an additional 28 prospects.

Three Bluffs is located approximately central to the Committee Bay property some 220km south of Kugaaruk, 235km west of Repulse Bay and approximately 300km north east of Agnico Eagles' Meadowbank Mine.

The Three Bluffs gold deposit currently hosts a NI43-101 compliant resource of 4.30 Mt at 4.90 g/t gold for 678,000 ounces gold (indicated) and 4.53Mt at 5.69 g/t gold for 829,600 ounces gold (inferred). The eastern 1.3 kilometres of the trend is currently the focus of exploration for deeper, high-grade resources. Recent drilling has reached depths of 500 metres below surface with mineralization remaining strong and open to depth. Additionally, the presence of high grade rock samples in outcrop associated with positive magnetic anomalies suggests that rocks equivalent to Three Bluffs persist south west for up to 16 kilometres. This rock package, referred to as the Walker Lake Trend, is considered to have excellent potential to host additional gold resources.

## **2012 Exploration Program**

Exploration activities completed at the Committee Bay project during the 2012 calendar year included diamond drilling at the Three Bluffs gold deposit and the completion of a ground magnetic geophysical survey along the north easterly strike extension. A summer field based prospecting program involved assessment of the company's regional mineral properties. Furthermore, 41 mineral claims were surveyed in order to take to lease. At present, leases for these claims are pending. The spring program ran from February 17 to May 29 and the summer program from July 16 to September 3. Activities were based out of the company's main camp, Hayes Camp, as well as a satellite camp, Bullion Camp for part of the summer program.

## **Three Bluffs Drill Program**

During the 2012 spring drill program, 15 NQ diamond drill holes were completed for a total of approximately 7000 metres. The 2012 drill program was designed to expand the existing resource inventory at Three Bluffs by testing the depth potential of high grade shoots and to follow up 2011 results. Mineralization remains open in a down dip direction. Significant gold intersections are presented below in Table 1.

Table 1. Three Bluffs drilling results.

<b>Drill Hole</b>	<b>From (m)</b>	<b>To (m)</b>	<b>Width (m)</b>	<b>Au (g/t)</b>
12TB134	492	596	104	2
including	507	513	5	6
and	562	595.4	33.4	4.01
or	578	595.4	17.4	6.74
or	589	595.4	6.4	10.21
11TB131	258	274	16	1.31
and	293	312	19	2.2
including	300	306	6	4.48
11TB132	130	133	3	2.24
and	237	239	2	5.55
and	273	281	8	5.03
including	278	281	3	9.78
and	285	289	4	3.27
and	297.85	294	1.15	5.06
12TB133	316	322	6	2.59
and	334	338	4	1.76
and	355	365	10	3.07
including	355	360	5	5.13
12TB135	308	340.48	32.48	2.99
including	323	333	10	6.82
or	325	329	4	10.2
and	335	337	2	4.51

12TB137	297	298	1	3.59
and	374	383	9	11.95
and	417	419	2	2.12
and	422	422.61	0.61	5.45
12TB139	258	259	1	2.76
and	261	262	1	2.38
and	356	364	8	3.73
including	362	364	2	9.26
and	444	447	3	2.1
and	475	478	3	1.8
and	494	496	2	1.98
12TB140	480	483	3	1.31
and	491	501	10	2.06
including	493	495	2	5.19
12TB141B	430	453	23	2.25
including	434	441	7	4.81
or	434	436	2	8.14
and	440	441	1	14.7
12TB142	304	310	6	7.71
including	307	310	3	14.97

### **Ground Magnetic Geophysical Survey**

A 116 line-kilometre ground magnetic geophysical survey was completed between March 7 and 16, 2012. The survey covers the strike extension of the Three Bluffs stratigraphy to the east of the main gold deposit. The results indicate linear “magnetic highs” extending from the main linear anomaly of the Walker Lake Trend to the west. These magnetic highs are interpreted to represent iron formation stratigraphy.

### **Regional Prospecting and Exploration**

A total of 416 rock samples were collected from NCG’s Committee Bay regional properties during the 2012 field season. The sampling program primarily focussed on follow-up sampling of previous results of interest, and to investigate areas away from known gold occurrences that had seen little or no previous ground work, in order to evaluate their potential for hosting economic mineral deposits. 11 of the 416 rock samples returned assays  $\geq 0.5$  g Au/t.

## **Activities**

### *Hayes Camp*

Personnel arrived at Hayes Camp on February 17<sup>th</sup> in order to open camp, build a Hercules airstrip and mobilize drilling equipment and fuel for the 2012 program. The drilling program started on March 25 and was completed on May 1. Hayes Camp was shut down for the seasonal thaw between May 29 and July 15, and was reopened July 16 through to September 3 to complete the summer field prospecting program and claim surveying. Table 2 outlines the man-days and locations of activity during the 2012 field season at all of North Country Gold Corp.'s camps. Twin Otter was used to mobilize crew and equipment to and from Rankin Inlet, and from Hayes Camp to Bullion, Crater and Ingot Camps. Complete inventories of fuel and waste remaining both on and off site is provided in Table 3. Additional secondary containment that was custom designed and manufactured for NCG was installed including lining the main shop, new berms with covers at the Three Bluffs drillsite and camp, and new containment for hazardous waste.



Figure 1. Secondary containment at the tents installed in 2012.



Figure 2. Secondary containment at the Three Bluffs drillsite installed in 2012.

#### *Bullion Camp*

Bullion Camp was operational during the summer 2012 program from July 30 to August 12 to complete a field prospecting program, as well as surveying of mineral claims. A general camp cleanup was also performed with a focus on fuel management, in particular replacing older pre-existing berms with brand new ones at both the main camp fuel cache and behind each of the tents.

#### *Ingot Camp*

Two days were spent at Ingot Camp to complete a thorough site cleanup. This included removing all garbage and hazardous materials which were sent to Hayes Camp for proper disposal during the 2013 season.

#### *Crater Camp (decommissioned)*

Two days were spent at Crater Camp to completely remove the existing camp. All infrastructure and hazardous waste was removed and sent back to Hayes Camp for proper disposal during the 2013 season. Drill Core relating to previous drilling at Inuk remains onsite. A site visit in 2013 will assess whether further remediation is required.

Table 2. Man days during the 2012 field seasons.

Camp Site	Season	Date In	Date Out	Man Days	Activity
Hayes Camp	Spring	February 18	May 28	2596	Open Camp, build Herc Strip, mob in drills and fuel for the season, drilling program, and geophysical ground magnetic survey.
	Summer	July 16	September 3	404	Field prospecting program, claim surveying, and site cleanup.
Bullion Camp	Spring	-	-	-	No activity out of Bullion Camp this spring
	Summer	July 30	August 12	150	Field prospecting program, claim surveying, and site cleanup.
Crater Camp	Spring	-	-	-	No activity out of Crater Camp this spring
	Summer	July 16	September 3	2	Camp cleaned up and removed.
Ingot Camp	Spring	-	-	-	No activity out of Ingot Camp this spring
	Summer	July 16	September 3	2	Minor camp cleanup

### **Waste Inventory**

NCG is a registered waste generator in Nunavut (Waste Generator # NUG 100039). NCG stores all hazardous and inert waste for backhaul within an organized waste cache at Hayes Camp. Waste is continually organized, inspected and inventories are regularly updated. Waste is removed from site on a seasonal basis as backhaul on heavy lift aircraft supply flights (Hercules, 737 and Convair flights) to either Churchill, MB or Yellowknife, NWT. During 2012 a total of 44 drums of inert incineration waste and 31 pallets of crushed drums was backhauled to Churchill, MB. Ash was disposed at the Churchill waste dumping facility as per the agreement with NCG (see Appendix 1).

In 2011, NCG backhauled 53 drums of hazardous waste (liquid and soil contaminated with hydrocarbons) and 30 pallets of crushed drums and scrap metal. Hazardous waste was disposed of through Hazco (now Tervita Corporation) (Appendix 1). Crushed drums and scrap metal was disposed of through Interlake Salvage.

All empty crushed drums, contaminated waste, and garbage will be removed from site via Hercules heavy lift aircraft during the 2013 spring program.



Table 3. Inventory of fuel and waste

Item	Hayes Camp	Bullion Camp	Ingot Camp	Crater Camp	West Plains	Yellowknife	Rankin Inlet	Baker Lake	Churchill	TOTAL
P-50 Diesel (drums)	826	55	0	0	4	0	225	4	0	1114
Jet - A (drums)	0	0	0	0	0	0	0	0	0	0
Jet - B (drums)	276	25	0	0	0	26	0	0	0	327
Gasoline (drums)	60	2	0	0	0	0	0	0	0	62
Propane (cylinders)	56	10	0	0	1	0	0	8	0	75
Salt (50lb bags)	3102	0	0	0	40	336	0	0	0	3478
Core Boxes	1160	0	0	0	175	0	1875	0	0	3210
Core Box Lids	50	0	0	0	0	0	180	0	0	230
Recycled P-50 (drums)	41	4	0	0	5	0	0	0	0	50
Contaminated Jet - B	91.5	0	0	0	0	0	0	0	0	91.5
Crushed Drums	3624	0	0	0	0	0	0	0	0	3624
Incinerator Ash/Garbage (drums)	82	0	0	0	0	0	0	0	0	82
Contaminated Soil (drums)	108	0	0	0	0	0	0	0	0	108
Contaminated Water (drums)	45	0	0	0	0	0	0	0	0	45
Cut Shack Waster (drums)	16	0	0	0	0	0	0	0	0	16
Sewage Water (drums)	8	0	0	0	0	0	0	0	0	8
Contaminated Oil (drums)	11	0	0	0	0	0	0	0	0	11
Batteries	39	0	0	0	0	0	0	0	0	39

### **2012 Environmental Program**

Hayes Camp was occupied by a maximum of 59 people during the height of the 2012 program and daily water usage for camp was monitored and documented up to 9 cubic meters per each given day. Water was pumped from nearby lakes into covered, plastic receptacles from which water for cooking, drinking, and washing was drawn. A small amount of chlorine (1 teaspoon) was added to the camp drinking water to eliminate the presence of chloroform bacteria in the potable water. No bacteria presence was detected and no cases of nausea were reported to the first aid attendants. An ultra violet water purification system was utilised at Hayes Camp as an added protection against possible impurities to the main drinking water for the camp. Grey water from the kitchen and washing facilities was routed by ABS piping to sumps which were located at least 30m away from the high water level of nearby lakes. The sumps were monitored and bermed to ensure they did not overflow. The waste water treatment plant was not operational during the 2012 season. Appendix 2 includes daily water usage logs from the 2012 season.

Water monitoring stations were established at three locations in various water bodies surrounding Hayes Camp, Figure 3. Samples were taken to monitor water quality on the following parameters: Biochemical Oxygen Demand (BOD<sub>5</sub>), Total Suspended Solids (TSS), oil and grease, fecal coliform, pH, residual (total) chlorine, electrical conductivity, total trace metals via. ICP, and trace arsenic and mercury. The results of each parameter were all well below the



allowable limit, with most falling below the detection limit. Complete water sample results are included in Appendix 3.



Figure 3. Water sampling locations.

During the spring season, a drill water supply system (DWSS) is utilized at the Three Bluffs drill site. The DWSS consists of a heat traced and insulated pipe that carries water from a Hayes River pond to a main water tank where it is heated and pumped to two additional satellite water storage tanks. Water for diamond drilling was then drawn from one of the three storage tanks. The 5 diamond drills onsite used up to 180 cubic meters of water on any given day.

Fuels stored on site included propane, Jet B, gasoline and diesel. The latter three were cached in the same vicinity and are differentiated by appropriate signage and distinct barrel colors. Fuel drums are stored within berms on their side with the bungs horizontal and checked daily for leakage. When necessary, fuel was pumped via a wobble pump into 20-25 litre gas cans for the fueling of snow machines, an all-terrain vehicle and small gas generators. Fuel containment berms and absorbent padding was used to catch drips when fuel was being moved. Spill kits containing absorbent matting, safety gloves and goggles, plastic bags, and containment socks were stationed at all fuel caches, the main generator, the helicopter pad, camp incinerator,

camp shop, and at the drills. Two 35,000 litre double walled fuel tanks installed in 2011 were not operational during 2012.

### **2012 Employees and Firms**

Most directly employed personnel (geologists, helicopter pilots and engineers) for the 2012 exploration program were hired in-house or through our consultancy APEX Geoscience Ltd. of Edmonton, AB. A total of 23 Inuit staff was hired in the 2012 season, from the communities of Gjoa Haven, Kugaaruk, Taloyoak, and Repulse Bay to perform camp and camp management duties. All transportation and training was supplied by North Country Gold Corp. A total of \$283,750.00 was spent on Inuit salaries and wages in the 2012 season. Community consultations in 2012 were forced to be cancelled due to weather.

Of the \$11.8M spent on the 2012 exploration program, approximately \$2.9M was spent in the North and over \$1.8M of that was spent with Inuit owned suppliers. Significant Inuit and Northern suppliers include:

- M+T Enterprises (Rankin Inlet)
- Medic North Nunavut
- Canadian North
- Great Slave Helicopters
- Unaalik Aviation (Rankin Inlet)
- Toromont Arctic (Rankin Inlet)
- The Northern Store (Rankin Inlet)
- Umingmak (Rankin Inlet)
- Siniktarvik Hotel (Rankin Inlet)
- First Air
- Nunavut Sealink and Supply
- Ollerhead & Associates Ltd.

It is expected that the 2013 exploration program at the Committee Bay Project will have a budget of approximately \$5M. This budget allowance will enable us to continue to hire local Inuit crew members and conduct community consultations, and continue to utilize Northern and Inuit business, (see following list).

North Country Gold Corp. provides both on the job training and certificate based training to all hired Inuit personnel. On the job training consists of instruction directly related to the type of work that the person is employed for. Some examples include helicopter safety, camp assistant and camp manager positions, core cutting/splitting, loading and off-loading of various aircrafts, heavy equipment operators, drill helpers, water treatment plant and incinerator operators, carpenters, mechanics. Certificate based training may consist of onsite First Aid training and WSCC supervisors training and possible field related opportunities such as surveying and sampling. NCG has also covered costs of conducting elders and family tours to the camps and drilling locations as part of community relations.

### **Northern Businesses**

Aurora Northern Contractors  
Weaver & Devore Trading Ltd.  
Great Slave Helicopters  
Discovery Mining Services  
Ollerhead & Associates Ltd.  
Gardewine North  
Northern Store, Rankin Inlet  
Ron's Auto  
Canadian North Airlines  
Northwest Telecommunications  
Arctic Tracks  
Northern Communication & Navigation  
Systems Ltd

### **Inuit Owned Businesses**

First Air  
Calm Air  
Medic North Nunavut  
Kissarvik CO-OP Ltd.  
M&T Enterprise Ltd.  
Unaalik Aviation  
Toromont Arctic  
Nunavut Sealink and Supply  
Siniktarvik Hotel and Conference Centre  
Umingmak Supply Ltd.

### **Site Visits**

Aboriginal Affairs and Northern Development Canada Water Resource inspector Eva Paul visited Hayes, Bullion, and Crater Camps August 8 to 9 2012. Ms. Paul noted some minor deficiencies which were immediately corrected by North Country Gold Corp. and documented in the follow-up report titled "Remedial Action Undertaken in Response to 2012 NWB Water Use Inspection Report". Both the inspection report and follow up report are included in Appendix 4. Ms. Paul had requested the NCG Spill Prevention and Response Plan to be updated with a more detailed action plan in the unlikely event of a spill. An updated copy of this Plan is included in Appendix 5.

### **Wildlife**

A modest number of wildlife sightings were made during the 2012 field season. Most sightings were caribou; however 2 wolves were seen in the area. All 2012 observation forms can be found in Appendix 6.

## **Appendix 1**

### Hazardous Waste Documentation



# The Town of Churchill

P.O. Box 459  
Churchill, Manitoba  
Canada R0B 0E0  
Phone (204) 675-8871  
Fax (204) 675-2934  
e-mail townofchurchill@churchill.ca

December 4, 2012

North Country Gold  
220, 9797 45<sup>th</sup> Avenue  
Edmonton, Alta  
T6E 5V8

**Attention: Pamela Tost**

**Re: Disposal of waste ash at The Town of Churchill Waste Disposal Ground**

Your Certificate of Analysis, lab work order #L1205261, has been reviewed by the Environmental Compliance and Enforcement Division, Manitoba Conservation, Province of Manitoba and meets the criteria set out in Guideline 2002-02E and the CCME industrial land use category limits.

The Town of Churchill is in the process of meeting the Terms and Conditions specified in the Province of Manitoba, Waste Disposal Ground Operating Permit No. 35090 and expects to do so by July 2013. We expect to commission the WDG in the summer of 2013. We can accommodate the waste ash (presently 44 barrels stored at the Metal Recycling Ground) at the WDG when it is commissioned.

Should you require further clarification regarding the certification of the WDG at Churchill, please contact me directly.

Sincerely,

Gail Hodkin, CGA, CA  
Acting Chief Administrative Officer  
Chief Financial Officer  
Town of Churchill

C.C. Jeff Fountain  
Roy Bukowsky

## Simeon Robinson

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**Subject:** FW: Hazco 2011 Shipment Data  
**Attachments:** North Country Gold - 110530.pdf  
**Importance:** High

**From:** Madden, Charles [<mailto:cmadden@tervita.com>]  
**Sent:** November-19-12 3:15 PM  
**To:** 'Pamela Tost'  
**Subject:** 2011 Shipment Data

Hello Pamela,

Please see attached report from our waste tracking data sheet. This report shows that NCG's waste was received at Tervita's Winnipeg Waste Facility in May, 2011, where it was processed and sent to various appropriate end disposal locations.

Best Regards,

**Charles Madden**  
District Manager, Waste Management  
D: (204) 336-5411 C: (204) 223-2992

**Tervita Corporation**  
1199 St. James St. Winnipeg, MB, Canada  
M: (204) 832-4561 F: (204) 832-3203

[www.tervita.com](http://www.tervita.com)  
Our new organization was formerly known as HAZCO



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Tervita-03-14-2012

# Waste Report from Tervita Corporation's (formerly Hazco) Winnipeg Waste Facility

May 2011





WS-North Country Gold-Mb	L793	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	23-Jun-11	L781	18-Aug-11	200	NRLQ	P	0	Plains Man	Plains
WS-North Country Gold-Mb	L794	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	23-Jun-11	L781	18-Aug-11	200	NRLQ	P	0	Plains Man	Plains
WS-North Country Gold-Mb	L795	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	23-Jun-11	L870	18-Aug-11	200	NRLQ	P	0	Plains Man	Plains
WS-North Country Gold-Mb	L796	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	23-Jun-11	L870	18-Aug-11	200	NRLQ	P	0	Plains Man	Plains
WS-North Country Gold-Mb	L797	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	23-Jun-11	L870	18-Aug-11	200	NRLQ	P	0	Plains Man	Plains
WS-North Country Gold-Mb	L798	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	9-Nov-11	Bin	9-Nov-11	200	LFSA	O	-200	137	MidCanada
WS-North Country Gold-Mb	L799	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	23-Jun-11	L870	18-Aug-11	200	NRLQ	P	0	Plains Man	Plains
WS-North Country Gold-Mb	L800	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	23-Jun-11	L870	18-Aug-11	200	NRLQ	P	0	Plains Man	Plains
WS-North Country Gold-Mb	L801	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	23-Jun-11	L781	18-Aug-11	200	NRLQ	P	0	Plains Man	Plains
WS-North Country Gold-Mb	L802	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	23-Jun-11	L781	18-Aug-11	200	NRLQ	P	0	Plains Man	Plains
WS-North Country Gold-Mb	L803	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	23-Jun-11	L781	18-Aug-11	200	NRLQ	P	0	Plains Man	Plains
WS-North Country Gold-Mb	L804	Drum	NR Liquid-Water Impacted With Hydrocarbons	NR	NR	211	L	L	30-May-11	200	23-Jun-11	L870	18-Aug-11	200	NRLQ	P	0	Plains Man	Plains

## **Appendix 2**

2012 NCG Water Use Logs

		7/10/2012		23/08/2012		30/08/2012		6/09/2012		13/09/2012		20/09/2012		27/09/2012		4/10/2012		11/10/2012		18/10/2012		25/10/2012		1/11/2012		8/11/2012		15/11/2012		22/11/2012		29/11/2012		6/12/2012		13/12/2012		20/12/2012		27/12/2012		3/1/2013		10/1/2013		17/1/2013		24/1/2013		31/1/2013		7/2/2013		14/2/2013		21/2/2013		28/2/2013		6/3/2013		13/3/2013		20/3/2013		27/3/2013		3/4/2013		10/4/2013		17/4/2013		24/4/2013		1/5/2013		8/5/2013		15/5/2013		22/5/2013		29/5/2013		5/6/2013		12/6/2013		19/6/2013		26/6/2013		3/7/2013		10/7/2013		17/7/2013		24/7/2013		31/7/2013		7/8/2013		14/8/2013		21/8/2013		28/8/2013		4/9/2013		11/9/2013		18/9/2013		25/9/2013		2/10/2013		9/10/2013		16/10/2013		23/10/2013		30/10/2013		6/11/2013		13/11/2013		20/11/2013		27/11/2013		4/12/2013		11/12/2013		18/12/2013		25/12/2013		1/1/2014		8/1/2014		15/1/2014		22/1/2014		29/1/2014		5/2/2014		12/2/2014		19/2/2014		26/2/2014		5/3/2014		12/3/2014		19/3/2014		26/3/2014		2/4/2014		9/4/2014		16/4/2014		23/4/2014		30/4/2014		7/5/2014		14/5/2014		21/5/2014		28/5/2014		4/6/2014		11/6/2014		18/6/2014		25/6/2014		2/7/2014		9/7/2014		16/7/2014		23/7/2014		30/7/2014		6/8/2014		13/8/2014		20/8/2014		27/8/2014		3/9/2014		10/9/2014		17/9/2014		24/9/2014		1/10/2014		8/10/2014		15/10/2014		22/10/2014		29/10/2014		5/11/2014		12/11/2014		19/11/2014		26/11/2014		3/12/2014		10/12/2014		17/12/2014		24/12/2014		31/12/2014		7/1/2015		14/1/2015		21/1/2015		28/1/2015		4/2/2015		11/2/2015		18/2/2015		25/2/2015		3/3/2015		10/3/2015		17/3/2015		24/3/2015		31/3/2015		7/4/2015		14/4/2015		21/4/2015		28/4/2015		5/5/2015		12/5/2015		19/5/2015		26/5/2015		2/6/2015		9/6/2015		16/6/2015		23/6/2015		30/6/2015		7/7/2015		14/7/2015		21/7/2015		28/7/2015		4/8/2015		11/8/2015		18/8/2015		25/8/2015		1/9/2015		8/9/2015		15/9/2015		22/9/2015		29/9/2015		6/10/2015		13/10/2015		20/10/2015		27/10/2015		3/11/2015		10/11/2015		17/11/2015		24/11/2015		1/12/2015		8/12/2015		15/12/2015		22/12/2015		29/12/2015		5/1/2016		12/1/2016		19/1/2016		26/1/2016		2/2/2016		9/2/2016		16/2/2016		23/2/2016		1/3/2016		8/3/2016		15/3/2016		22/3/2016		29/3/2016		5/4/2016		12/4/2016		19/4/2016		26/4/2016		3/5/2016		10/5/2016		17/5/2016		24/5/2016		31/5/2016		7/6/2016		14/6/2016		21/6/2016		28/6/2016		5/7/2016		12/7/2016		19/7/2016		26/7/2016		2/8/2016		9/8/2016		16/8/2016		23/8/2016		30/8/2016		6/9/2016		13/9/2016		20/9/2016		27/9/2016		4/10/2016		11/10/2016		18/10/2016		25/10/2016		1/11/2016		8/11/2016		15/11/2016		22/11/2016		29/11/2016		6/12/2016		13/12/2016		20/12/2016		27/12/2016		3/1/2017		10/1/2017		17/1/2017		24/1/2017		31/1/2017		7/2/2017		14/2/2017		21/2/2017		28/2/2017		5/3/2017		12/3/2017		19/3/2017		26/3/2017		2/4/2017		9/4/2017		16/4/2017		23/4/2017		30/4/2017		7/5/2017		14/5/2017		21/5/2017		28/5/2017		4/6/2017		11/6/2017		18/6/2017		25/6/2017		2/7/2017		9/7/2017		16/7/2017		23/7/2017		30/7/2017		6/8/2017		13/8/2017		20/8/2017		27/8/2017		3/9/2017		10/9/2017		17/9/2017		24/9/2017		1/10/2017		8/10/2017		15/10/2017		22/10/2017		29/10/2017		5/11/2017		12/11/2017		19/11/2017		26/11/2017		3/12/2017		10/12/2017		17/12/2017		24/12/2017		31/12/2017		7/1/2018		14/1/2018		21/1/2018		28/1/2018		4/2/2018		11/2/2018		18/2/2018		25/2/2018		3/3/2018		10/3/2018		17/3/2018		24/3/2018		31/3/2018		7/4/2018		14/4/2018		21/4/2018		28/4/2018		5/5/2018		12/5/2018		19/5/2018		26/5/2018		2/6/2018		9/6/2018		16/6/2018		23/6/2018		30/6/2018		7/7/2018		14/7/2018		21/7/2018		28/7/2018		4/8/2018		11/8/2018		18/8/2018		25/8/2018		1/9/2018		8/9/2018		15/9/2018		22/9/2018		29/9/2018		6/10/2018		13/10/2018		20/10/2018		27/10/2018		3/11/2018		10/11/2018		17/11/2018		24/11/2018		1/12/2018		8/12/2018		15/12/2018		22/12/2018		29/12/2018		5/1/2019		12/1/2019		19/1/2019		26/1/2019		2/2/2019		9/2/2019		16/2/2019		23/2/2019		1/3/2019		8/3/2019		15/3/2019		22/3/2019		29/3/2019		5/4/2019		12/4/2019		19/4/2019		26/4/2019		3/5/2019		10/5/2019		17/5/2019		24/5/2019		31/5/2019		7/6/2019		14/6/2019		21/6/2019		28/6/2019		5/7/2019		12/7/2019		19/7/2019		26/7/2019		2/8/2019		9/8/2019		16/8/2019		23/8/2019		30/8/2019		6/9/2019		13/9/2019		20/9/2019		27/9/2019		3/10/2019		10/10/2019		17/10/2019		24/10/2019		31/10/2019		7/11/2019		14/11/2019		21/11/2019		28/11/2019		4/12/2019		11/12/2019		18/12/2019		25/12/2019		1/1/2020		8/1/2020		15/1/2020		22/1/2020		29/1/2020		5/2/2020		12/2/2020		19/2/2020		26/2/2020		5/3/2020		12/3/2020		19/3/2020		26/3/2020		2/4/2020		9/4/2020		16/4/2020		23/4/2020		30/4/2020		7/5/2020		14/5/2020		21/5/2020		28/5/2020		4/6/2020		11/6/2020		18/6/2020		25/6/2020		2/7/2020		9/7/2020		16/7/2020		23/7/2020		30/7/2020		6/8/2020		13/8/2020		20/8/2020		27/8/2020		3/9/2020		10/9/2020		17/9/2020		24/9/2020		1/10/2020		8/10/2020		15/10/2020		22/10/2020		29/10/2020		5/11/2020		12/11/2020		19/11/2020		26/11/2020		3/12/2020		10/12/2020		17/12/2020		24/12/2020		31/12/2020		7/1/2021		14/1/2021		21/1/2021		28/1/2021		4/2/2021		11/2/2021		18/2/2021		25/2/2021		3/3/2021		10/3/2021		17/3/2021		24/3/2021		31/3/2021		7/4/2021		14/4/2021		21/4/2021		28/4/2021		5/5/2021		12/5/2021		19/5/2021		26/5/2021		2/6/2021		9/6/2021		16/6/2021		23/6/2021		30/6/2021		7/7/2021		14/7/2021		21/7/2021		28/7/2021		4/8/2021		11/8/2021		18/8/2021		25/8/2021		1/9/2021		8/9/2021		15/9/2021		22/9/2021		29/9/2021		6/10/2021		13/10/2021		20/10/2021		27/10/2021		3/11/2021		10/11/2021		17/11/2021		24/11/2021		1/12/2021		8/12/2021		15/12/2021		22/12/2021		29/12/2021		5/1/2022		12/1/2022		19/1/2022		26/1/2022		2/2/2022		9/2/2022		16/2/2022		23/2/2022		1/3/2022		8/3/2022		15/3/2022		22/3/2022		29/3/2022		5/4/2022		12/4/2022		19/4/2022		26/4/2022		3/5/2022		10/5/2022		17/5/2022		24/5/2022		31/5/2022		7/6/2022		14/6/2022		21/6/2022		28/6/2022		5/7/2022		12/7/2022		19/7/2022		26/7/2022		2/8/2022		9/8/2022		16/8/2022		23/8/2022		30/8/2022		6/9/2022		13/9/2022		20/9/2022		27/9/2022		3/10/2022		10/10/2022		17/10/2022		24/10/2022		31/10/2022		7/11/2022		14/11/2022		21/11/2022		28/11/2022		4/12/2022		11/12/2022		18/12/2022		25/12/2022		1/1/2023		8/1/2023		15/1/2023		22/1/2023		29/1/2023		5/2/2023		12/2/2023		19/2/2023		26/2/2023		5/3/2023		12/3/2023		19/3/2023		26/3/2023		2/4/2023		9/4/2023		16/4/2023		23/4/2023		30/4/2023		7/5/2023		14/5/2023		21/5/2023		28/5/2023		4/6/2023		11/6/2023		18/6/2023		25/6/2023		2/7/2023		9/7/2023		16/7/2023		23/7/2023		30/7/2023		6/8/2023		13/8/2023		20/8/2023		27/8/2023		3/9/2023		10/9/2023		17/9/2023		24/9/2023		1/10/2023		8/10/2023		15/10/2023		22/10/2023		29/10/2023		5/11/2023		12/11/2023		19/11/2023		26/11/2023		3/12/2023		10/12/2023		17/12/2023		24/12/2023		31/12/2023		7/1/2024		14/1/2024		21/1/2024		28/1/2024		4/2/2024		11/2/2024		18/2/2024		25/2/2024		3/3/2024		10/3/2024		17/3/2024		24/3/2024		31/3/2024		7/4/2024		14/4/2024		21/4/2024		28/4/2024		5/5/2024		12/5/2024		19/5/2024		26/5/2024		2/6/2024		9/6/2024		16/6/2024		23/6/2024		30/6/2024		7/7/2024		14/7/2024		21/7/2024		28/7/2024		4/8/2024		11/8/2024		18/8/2024		25/8/2024		1/9/2024		8/9/2024		15/9/2024		22/9/2024		29/9/2024		6/10/2024		13/10/2024		20/10/2024		27/10/2024		3/11/2024		10/11/2024		17/11/2024		24/11/2024		1/12/2024		8/12/2024		15/12/2024		22/12/2024		29/12/2024		5/1/2025		12/1/2025		19/1/2025		26/1/2025		2/2/2025		9/2/2025		16/2/2025		23/2/2025		1/3/2025		8/3/2025		15/3/2025		22/3/2025		29/3/2025		5/4/2025		12/4/2025		19/4/2025		26/4/2025		3/5/2025		10/5/2025		17/5/2025		24/5/2025		31/5/2025		7/6/2025		14/6/2025		21/6/2025		28/6/2025		5/7/2025		12/7/2025		19/7/2025		26/7/2025		2/8/2025		9/8/2025		16/8/2025		23/8/2025		30/8/2025		6/9/2025		13/9/2025		20/9/2025		27/9/2025		3/10/2025		10/10/2025		17/10/2025		24/10/2025		31/10/2025		7/11/2025		14/11/2025		21/11/2025		28/11/2025		4/12/2025		11/12/2025		18/12/2025		25/12/2025		1/1/2026		8/1/2026		15/1/2026		22/1/2026		29/1/2026		5/2/2026		12/2/2026		19/2/2026		26/2/2026		5/3/2026		12/3/2026		19/3/2026		26/3/2026		2/4/2026		9/4/2026		16/4/2026		23/4/2026		30/4/2026		7/5/2026		14/5/2026		21/5/2026		28/5/2026		4/6/2026		11/6/2026		18/6/2026		25/6/2026		2/7/2026		9/7/2026		16/7/2026	
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## **Appendix 3**

### 2012 Water Sampling Results



North Country Gold Corp.  
ATTN: SIMEON ROBINSON  
220, 9797 45th Avenue  
Edmonton AB T6E 5V8

Date Received: 22-SEP-12  
Report Date: 22-OCT-12 15:13 (MT)  
Version: FINAL

Client Phone: 780-437-6624

## Certificate of Analysis

**Lab Work Order #:** L1213321  
**Project P.O. #:** NOT SUBMITTED  
**Job Reference:** NORTH COUNTRY GOLD CORP  
**C of C Numbers:**  
**Legal Site Desc:**

Paul Nicolas  
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 1329 Niakwa Road East, Unit 12, Winnipeg, MB R2J 3T4 Canada | Phone: +1 204 255 9720 | Fax: +1 204 255 9721  
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1213321-1    CRA-1 WATER SAMPLES FROM PRINT:12CRA-10921 Sampled By:    Philo Schoeman on 21-SEP-12 @ 07:30 Matrix:        Water							
<b>Miscellaneous Parameters</b>							
Biochemical Oxygen Demand	<6.0		6.0	mg/L	24-SEP-12	29-SEP-12	R2447690
Chlorine, Free	<0.10		0.10	mg/L		22-SEP-12	R2445098
Chlorine, Total	<0.10		0.10	mg/L		22-SEP-12	R2445098
Conductivity	7.4		1.0	umhos/cm		25-SEP-12	R2442843
Fecal Coliforms	<1		1	CFU/100mL	24-SEP-12	24-SEP-12	R2441917
Mercury (Hg)-Total	<0.000020		0.000020	mg/L	12-OCT-12	12-OCT-12	R2455320
Oil and Grease, Total	<2.0		2.0	mg/L	25-SEP-12	25-SEP-12	R2442788
Total Suspended Solids	<2.0		2.0	mg/L		25-SEP-12	R2443239
pH	6.59		0.10	pH units		24-SEP-12	R2442339
<b>Total Metals by ICP-MS</b>							
Aluminum (Al)-Total	0.0172		0.0050	mg/L	25-SEP-12	25-SEP-12	R2443291
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Arsenic (As)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Barium (Ba)-Total	0.00284		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Boron (B)-Total	<0.010		0.010	mg/L	25-SEP-12	25-SEP-12	R2443291
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	25-SEP-12	25-SEP-12	R2443291
Calcium (Ca)-Total	0.98		0.10	mg/L	25-SEP-12	25-SEP-12	R2443291
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	25-SEP-12	25-SEP-12	R2443291
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Copper (Cu)-Total	0.00070		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Iron (Fe)-Total	<0.10		0.10	mg/L	25-SEP-12	25-SEP-12	R2443291
Lead (Pb)-Total	<0.000090		0.000090	mg/L	25-SEP-12	25-SEP-12	R2443291
Lithium (Li)-Total	<0.0020		0.0020	mg/L	25-SEP-12	25-SEP-12	R2443291
Magnesium (Mg)-Total	0.305		0.010	mg/L	25-SEP-12	25-SEP-12	R2443291
Manganese (Mn)-Total	0.00258		0.00030	mg/L	25-SEP-12	25-SEP-12	R2443291
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	25-SEP-12	25-SEP-12	R2443291
Phosphorus (P)-Total	<0.10		0.10	mg/L	25-SEP-12	25-SEP-12	R2443291
Potassium (K)-Total	0.415		0.020	mg/L	25-SEP-12	25-SEP-12	R2443291
Rubidium (Rb)-Total	0.00112		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Selenium (Se)-Total	<0.0010		0.0010	mg/L	25-SEP-12	25-SEP-12	R2443291
Silicon (Si)-Total	0.550		0.050	mg/L	25-SEP-12	25-SEP-12	R2443291
Silver (Ag)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Sodium (Na)-Total	0.475		0.030	mg/L	25-SEP-12	25-SEP-12	R2443291
Strontium (Sr)-Total	0.00509		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Thorium (Th)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Tin (Sn)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Titanium (Ti)-Total	0.00063		0.00050	mg/L	25-SEP-12	25-SEP-12	R2443291
Tungsten (W)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Uranium (U)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Vanadium (V)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Zinc (Zn)-Total	<0.0020		0.0020	mg/L	25-SEP-12	25-SEP-12	R2443291
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	25-SEP-12	25-SEP-12	R2443291

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.



ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1213321-2    CRA-2 WATER SAMPLES FROM POINT:12 CRA-20921 Sampled By:    Philo Schoeman on 21-SEP-12 @ 08:00 Matrix:        Water							
<b>Miscellaneous Parameters</b>							
Biochemical Oxygen Demand	<6.0		6.0	mg/L	24-SEP-12	29-SEP-12	R2447690
Chlorine, Free	<0.10		0.10	mg/L		22-SEP-12	R2445098
Chlorine, Total	<0.10		0.10	mg/L		22-SEP-12	R2445098
Conductivity	9.6		1.0	umhos/cm		25-SEP-12	R2442843
Fecal Coliforms	<1		1	CFU/100mL	24-SEP-12	24-SEP-12	R2441917
Mercury (Hg)-Total	<0.000020		0.000020	mg/L	12-OCT-12	12-OCT-12	R2455320
Oil and Grease, Total	<2.0		2.0	mg/L	25-SEP-12	25-SEP-12	R2442788
Total Suspended Solids	3.3		2.0	mg/L		25-SEP-12	R2443239
pH	6.62		0.10	pH units		24-SEP-12	R2442339
<b>Total Metals by ICP-MS</b>							
Aluminum (Al)-Total	0.0190		0.0050	mg/L	25-SEP-12	25-SEP-12	R2443291
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Arsenic (As)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Barium (Ba)-Total	0.00360		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Boron (B)-Total	<0.010		0.010	mg/L	25-SEP-12	25-SEP-12	R2443291
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	25-SEP-12	25-SEP-12	R2443291
Calcium (Ca)-Total	1.28		0.10	mg/L	25-SEP-12	25-SEP-12	R2443291
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	25-SEP-12	25-SEP-12	R2443291
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Copper (Cu)-Total	0.00068		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Iron (Fe)-Total	<0.10		0.10	mg/L	25-SEP-12	25-SEP-12	R2443291
Lead (Pb)-Total	<0.000090		0.000090	mg/L	25-SEP-12	25-SEP-12	R2443291
Lithium (Li)-Total	<0.0020		0.0020	mg/L	25-SEP-12	25-SEP-12	R2443291
Magnesium (Mg)-Total	0.386		0.010	mg/L	25-SEP-12	25-SEP-12	R2443291
Manganese (Mn)-Total	0.0115		0.00030	mg/L	25-SEP-12	25-SEP-12	R2443291
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	25-SEP-12	25-SEP-12	R2443291
Phosphorus (P)-Total	<0.10		0.10	mg/L	25-SEP-12	25-SEP-12	R2443291
Potassium (K)-Total	0.428		0.020	mg/L	25-SEP-12	25-SEP-12	R2443291
Rubidium (Rb)-Total	0.00122		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Selenium (Se)-Total	<0.0010		0.0010	mg/L	25-SEP-12	25-SEP-12	R2443291
Silicon (Si)-Total	0.605		0.050	mg/L	25-SEP-12	25-SEP-12	R2443291
Silver (Ag)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Sodium (Na)-Total	0.468		0.030	mg/L	25-SEP-12	25-SEP-12	R2443291
Strontium (Sr)-Total	0.00655		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Thorium (Th)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Tin (Sn)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Titanium (Ti)-Total	0.00055		0.00050	mg/L	25-SEP-12	25-SEP-12	R2443291
Tungsten (W)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Uranium (U)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Vanadium (V)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Zinc (Zn)-Total	<0.0020		0.0020	mg/L	25-SEP-12	25-SEP-12	R2443291
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	25-SEP-12	25-SEP-12	R2443291

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1213321-3    CRA-3 WATER SAMPLES FROM POINT:12 CRA-30921							
Sampled By:    Philo Schoeman on 21-SEP-12 @ 08:30							
Matrix:            Water							
<b>Miscellaneous Parameters</b>							
Biochemical Oxygen Demand	<6.0		6.0	mg/L	24-SEP-12	29-SEP-12	R2447690
Chlorine, Free	<0.10		0.10	mg/L		22-SEP-12	R2445098
Chlorine, Total	<0.10		0.10	mg/L		22-SEP-12	R2445098
Conductivity	7.7		1.0	umhos/cm		25-SEP-12	R2442843
Fecal Coliforms	<1		1	CFU/100mL	24-SEP-12	24-SEP-12	R2441917
Mercury (Hg)-Total	<0.000020		0.000020	mg/L	12-OCT-12	12-OCT-12	R2455320
Oil and Grease, Total	<2.0		2.0	mg/L	25-SEP-12	25-SEP-12	R2442788
Total Suspended Solids	<2.0		2.0	mg/L		25-SEP-12	R2443239
pH	6.59		0.10	pH units		24-SEP-12	R2442339
<b>Total Metals by ICP-MS</b>							
Aluminum (Al)-Total	0.0153		0.0050	mg/L	25-SEP-12	25-SEP-12	R2443291
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Arsenic (As)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Barium (Ba)-Total	0.00289		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Boron (B)-Total	<0.010		0.010	mg/L	25-SEP-12	25-SEP-12	R2443291
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	25-SEP-12	25-SEP-12	R2443291
Calcium (Ca)-Total	0.95		0.10	mg/L	25-SEP-12	25-SEP-12	R2443291
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	25-SEP-12	25-SEP-12	R2443291
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Copper (Cu)-Total	0.00061		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Iron (Fe)-Total	<0.10		0.10	mg/L	25-SEP-12	25-SEP-12	R2443291
Lead (Pb)-Total	<0.000090		0.000090	mg/L	25-SEP-12	25-SEP-12	R2443291
Lithium (Li)-Total	<0.0020		0.0020	mg/L	25-SEP-12	25-SEP-12	R2443291
Magnesium (Mg)-Total	0.308		0.010	mg/L	25-SEP-12	25-SEP-12	R2443291
Manganese (Mn)-Total	0.00284		0.00030	mg/L	25-SEP-12	25-SEP-12	R2443291
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	25-SEP-12	25-SEP-12	R2443291
Phosphorus (P)-Total	<0.10		0.10	mg/L	25-SEP-12	25-SEP-12	R2443291
Potassium (K)-Total	0.376		0.020	mg/L	25-SEP-12	25-SEP-12	R2443291
Rubidium (Rb)-Total	0.00111		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Selenium (Se)-Total	<0.0010		0.0010	mg/L	25-SEP-12	25-SEP-12	R2443291
Silicon (Si)-Total	0.484		0.050	mg/L	25-SEP-12	25-SEP-12	R2443291
Silver (Ag)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Sodium (Na)-Total	0.449		0.030	mg/L	25-SEP-12	25-SEP-12	R2443291
Strontium (Sr)-Total	0.00492		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Thorium (Th)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Tin (Sn)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Titanium (Ti)-Total	<0.00050		0.00050	mg/L	25-SEP-12	25-SEP-12	R2443291
Tungsten (W)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Uranium (U)-Total	<0.00010		0.00010	mg/L	25-SEP-12	25-SEP-12	R2443291
Vanadium (V)-Total	<0.00020		0.00020	mg/L	25-SEP-12	25-SEP-12	R2443291
Zinc (Zn)-Total	<0.0020		0.0020	mg/L	25-SEP-12	25-SEP-12	R2443291
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	25-SEP-12	25-SEP-12	R2443291

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

## Reference Information

## Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
BOD-WP	Water	Biochemical Oxygen Demand (BOD)	APHA 5210 B
The sample is incubated for 5 days at 20 degrees Celcius. Comparison of dissolved oxygen content at the beginning and end of incubation provides a measure of biochemical oxygen demand. If carbonaceous BOD is requested, TCMP is added to the sample to chemically inhibit nitrogenous oxygen demand. If soluble BOD is requested, the sample is filtered prior to analysis. Surface waters have a DL of 1 mg/L. Effluents are diluted according to their history and will have a sample DL of 6 mg/L or greater, depending on the dilutions used.			
CL2-FREE-WP	Water	Chlorine, Free	APHA 4500-Cl G (modified)
Free chlorine in aqueous matrices is analyzed by colour disc test kit using the DPD colourimetric method.			
CL2-TOTAL-WP	Water	Chlorine, Total	APHA 4500-Cl G (modified)
Total chlorine in aqueous matrices is analyzed by colour disc test kit using the DPD colourimetric method.			
EC-L-WP	Water	Conductivity	APHA 2510B
Conductivity of an aqueous solution refers to its ability to carry an electric current. Conductance of a solution is measured between two spatially fixed and chemically inert electrodes.			
EC-WP	Water	Conductivity	APHA 2510B
Conductivity of an aqueous solution refers to its ability to carry an electric current. Conductance of a solution is measured between two spatially fixed and chemically inert electrodes.			
FC-MF-WP	Water	Fecal Coliform	APHA 9222D
HG-T-CVAF-WP	Water	Mercury Total	EPA245.7 V2.0
Mercury in filtered and unfiltered waters is oxidized with Bromine monochloride and analyzed by cold-vapour atomic fluorescence spectrometry.			
MET-T-L-MS-WP	Water	Total Metals by ICP-MS	U.S. EPA 200.8-TL
Total Metals by ICP-MS: This analysis is carried out using sample preparation procedures adapted from Standard Methods for the examination of Water and Wastewater Method 3030E and analytical procedures adapted from U.S EPA Method 200.8 for analysis of metals by inductively coupled-mass spectrometry.			
OGG-TOT-WT	Water	Oil and Grease, Total	APHA 5520 B
Sample is extracted with hexane, extract is then evaporated and the residue is weighed to determine total oil and grease.			
PH-WP	Water	pH	APHA 4500H
The pH of a sample is the determination of the activity of the hydrogen ions by potentiometric measurement using a standard hydrogen electrode and a reference electrode.			
SOLIDS-TOTSUS-LR-WP	Water	Total Suspended Solids	APHA 2540 D (modified)
Total suspended solids in aqueous matrices is determined gravimetrically after drying the residue at 103 105°C.			

\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

*The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:*

Laboratory Definition Code	Laboratory Location
WP	ALS ENVIRONMENTAL - WINNIPEG, MANITOBA, CANADA
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

## Chain of Custody Numbers:

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
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GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample  
mg/kg ww - milligrams per kilogram based on wet weight of sample  
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight  
mg/L - unit of concentration based on volume, parts per million.

< - Less than.  
D.L. - The reporting limit.  
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.  
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.  
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Chain of Custody / Analytical Request Form  
Canada Toll Free: 1 800 668 9878  
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of 1

<b>Report To</b>			<b>Report Format / Distribution</b>			<b>Service Request:</b> (Rush Surcharge)																									
Company: NORTH COUNTRY GOLD CORP			Standard: <input checked="" type="checkbox"/> Other (specify):			<input checked="" type="checkbox"/> Regular (Standard Turnaround Times - Business Days)																									
Contact: JO PRICE jop@northcountrygold.com			Select: PDF <input checked="" type="checkbox"/> Excel <input checked="" type="checkbox"/> Digital <input checked="" type="checkbox"/> Fax			Priority (2-4 Business Days)-50% surcharge - Contact ALS to confirm TAT																									
Address: #220 9797-45 AV/meredith@ " "			Email 1: simeonr@northcountrygold.com			Emergency (1-2 Business Days)-100% Surcharge - Contact ALS to confirm TAT																									
EDMONTON, AB T6E 5V8			Email 2: peterk@ " "			Same Day or Weekend Emergency - Contact ALS to confirm TAT																									
Phone: 780 439 6624 Fax: 780 439 7308			jop@ " "			<b>Analysis Request</b>																									
Invoice To Same as Report? (circle) Yes or (No) (if No, provide details)			Client / Project Information meredith@ " "			(Indicate Filtered or Preserved, F/P)																									
Copy of Invoice with Report? (circle) Yes or No			Job #:																												
Company: SAME			PO / AFE:																												
Contact: SIMEON ROBINSON, simeonr@northcountrygold.com			LSD:																												
Address: SAME accounting@ " "																															
Phone: 780 616 9459/780 437 6624 Fax: 780 439 7308			Quote #: Q35893																												
Lab Work Order # (lab use only)			ALS Contact: SCOTT THOMPSON		Sampler: PHILO SCHOEMAN																										
Sample #	Sample Identification (This description will appear on the report)		Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	EC-WP	HG-T-L-CVAF-WP	MET-T-L-MS-WP	PH-WP	SOLIDS-TOT SUS-LR	BOD	OIL & GREASE	FREE/TOT CHLOR	FECAI COLIFORM	Number of Containers																
CRA-1	WATER SAMPLES FROM POINT: 12 CRA#10921		21 Sep 12	07H30	WATER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6																
CRA-2	" " " " : 12 CRA#20921		21 Sep 12	08H00	WATER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6																
CRA-3	" " " " : 12 CRA#30921		21 Sep 12	08H30	WATER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6																
Special Instructions / Regulation with water or land use (CCME- Freshwater Aquatic Life/BC CSR-Commercial/AB Tier 1-Natural/ETC) / Hazardous Details																															
<p>Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.</p> <p>By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.</p>																															
SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)			SHIPMENT VERIFICATION (lab use only)																									
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REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY

YELLOW - CLIENT COPY

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## **Appendix 4**

2012 AANDC Water Use Inspection Report  
and  
Remedial Action Undertaken in Response to 2012 NWB Water Use Inspection Report



## WATER USE INSPECTION REPORT

Date: August 8 + 9 2012	Licensee Rep. (Name/Title): Simeon Robinson, Project Manager
Licensee: North Country Gold Corp.	Licence No.: 2BE-CRA1015 LUP: N2009C0018

### HAYES CAMP

#### WATER SUPPLY

Source(s): Sandspit Lake	Quantity used: within daily allowance
Owner:/Operator: North Country Gold Corp.	

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Intake Facilities: A	Storage Structure: A	Treatment Systems: A	
Flow Meas. Device: A	Conveyance Lines: A	Pumping Stations: A	Screen : A

**Comments:** Water pump within berm on the beach were found on a slope; there were shored up onto a flat and stable surface. Water is pumped into holding tanks in the dry's and shocked with bleach. Water is metered leaving the tanks, and metered separately for the kitchen, dry, and drillers' dry. Water to the kitchen is filtered and UV treated. Meter readings are taken daily. No maintenance logs on treatment system are kept. Water source not tested in 2012.

#### WASTE DISPOSAL

**Sewage:** Sewage Treatment System (Prim./Sec/Ter.): PACTO toilets (2)

Natural Water Body: -	Continuous Discharge (land or water): -
Seasonal Discharge: -	Wetlands Treatment: - Trench: -

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Discharge Quality: NA	Decant Structure: NA	Erosion: A
Discharge Meas. Device: NA	Dyke Inspection: NA	Seepages: NA
Dams, Dykes: NA	Freeboard: NA	
Construction: NA	O&M Plan: NI	A&R Plan: NI
Discharge: NA	Effluent Discharge Rate: NA	

**Comments:** WWTS is not in service. Pactos are being used for the small number of staff on-site. As the WWTS is not in service, greywater has been reverted to the sump. Grease trap present. Sump is a large open pit. If WWTS is not active next year, sump will need to be modified (a smaller, covered arrangement).

Erosion mitigation measures are in place at all points where water runs off camp footprint. Significant subsidence is seen on airstrip where vegetation has been stripped off. Slumping is occurring up to 10m off the airstrip, where vegetation has been impacted. Wetlands have been backfilled in order to extend the airstrip. Slumping is prevalent in that area. Sandbags along the airstrip are pooling water. I am not sure of the reason/effectiveness as it inhibits drainage rather than promoting it. Sandy substrate under the whole footprint will cause continuing erosion challenges. Removal of vegetation results in reduced thermal cover and increased water movement. Slumping, subsidence, and erosion are the result. All efforts should be made to protect what vegetation is left, and to set activities and structures back from erosion-susceptible slopes.





### **Solid Waste:**

**Owner/Operator:** Licensee

Landfill: NA	Incinerator: A	Other: Backhaul
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**Comments:** Incinerator has not been working properly. Sorting of waste prior to incineration is a work in progress. Some metals are still being burned. No log is kept of waste being incinerated, and no scale present to weigh the waste. A log will be required.

Open burning is occurring around site to burn off pallets and clean wood. No authorization for this activity.

Hazardous waste is well organized and labelled. Due to reduced program, little waste has been backhauled. NCG has apparently managed to backhaul hazardous waste to Churchill up to this point without a Hazardous Waste Generator #.

### **FUEL STORAGE AND HAZARDOUS MATERIALS:**

**Waste Oil Storage:** In berm for use

**Owner/Operator:** Licensee

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Berms & Liners: A	Water within Berms: A	Evidence of Leaks: A
Drainage Pipes: NA	Pump Station & Catchments Berm: NA	
Pipeline Condition: NA	Condition of Tanks: NA	
Chemical Storage: U	Spills: A	

**Comments:** Two bulk fuel tanks are present (35,000L) but not yet in service. Barrelled fuel is generally very well maintained. Waste oil cache is in covered secondary containment. Rain drains are employed to manage water that accumulates in open berms. Each tent has its own covered barrel stand which keeps water out.

Oils and lubricants are not currently stored in containment. Flammable/explosive products are not stored in a designated cabinet. These are to be kept in appropriate containment. Batteries should be kept in a tray with an appropriate neutralizer available.

### **Required Action**

- Monitoring stations to be marked and sampling to be conducted at CRA-1, whether or not the WWTS is in operation. Sampling to occur at least annually; at the beginning of the season.
- Discharge point of the WWTS will require further erosion control measures prior to release. The steep sandy slope does not have the required stability for this activity. Confirmation of the methods employed is to be included in the notification to the inspector prior to discharge.
- An incinerator log is to be implemented. This log will include the weight and nature of wasted being incinerated, the date and time, and the initials or name of the person responsible. The log will include an inspection of the ash being removed, to check for inappropriate materials. As it is the end of the season for 2012, this log is to be implemented at the beginning of the next operational season.
- Open burning: need to find out what instrument (if any) authorizes this activity. If it is permitted under the Lease, then you will need to apply to the NWB for approval to carry out the activity. No open burning is to occur until this is resolved.
- NCG will provide proof of registration as a hazardous waste generator, as well as confirmation of proper disposal of hazardous waste (completed manifests/disposal certificate) as an appendix to the 2012 Annual Report.
- Oils/lubricants are to be stored in secondary containment by August 31, 2012.



- Flammable/explosive products are to be stored in an appropriate cabinet. Cabinet to be sourced for next operational season.
- Spill plan as written promotes inaction, with the provision to "Contact regulatory agencies for approval before commencing with the removal of any soil, gravel, or vegetation". Contaminated material must generally be removed; the delay just allows for migration of the contamination. Plan to be amended accordingly and included as an appendix to the 2012 Annual Report.

### THREE BLUFFS (drill area, fuel cache, and drillers' lay-down)

#### WATER SUPPLY

Source(s): Hayes River	Quantity used: n/a
Owner:/Operator: North Country Gold Corp.	Bodnar Drilling

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Intake Facilities: A	Storage Structure: A	Treatment Systems: NA	
Flow Meas. Device: A	Conveyance Lines: A	Pumping Stations: A	Screen : A

**Comments:** No drilling currently occurring; water line is disassembled. Water pumphouse has been built, with a heat-traced insulated line to the water source. Water meter is located at source in a heated shack (winter program).

#### WASTE DISPOSAL

**Sewage:** Sewage Treatment System (Prim./Sec/Ter.): **NA**

Natural Water Body: -	Continuous Discharge (land or water): -
Seasonal Discharge: -	Wetlands Treatment: -
	Trench: -

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Discharge Quality: NA	Decant Structure: NA	Erosion: NA
Discharge Meas. Device: NA	Dyke Inspection: NA	Seepages: NA
Dams, Dykes: NA	Freeboard: NA	
Construction: NA	O&M Plan: NA	A&R Plan: NA
Discharge: NA	Effluent Discharge Rate: NA	

**Comments:** No human waste system is currently in place. Managing this waste should be considered for the next drill program.

#### Solid Waste:

**Owner/Operator:** Licensee

Landfill: NA	Incinerator: NA	Other: Backhaul to camp
--------------	-----------------	-------------------------

**Comments:** Drill shacks, drill shop all located at Three Bluffs.

Most waste is backhauled to Hayes Camp for proper disposal. Open burning is occurring around site to burn off pallets and debris. Some evidence of plastics also being burned (melted on rocks). No authorization for this activity.

Drill cuttings – attended one drill hole. Cuttings were not directed away from the drill site at the time of drilling, evidenced by the large pool of cuttings around the drill casing. Drill cuttings must be managed.





## **FUEL STORAGE AND HAZARDOUS MATERIALS:**

**Waste Oil Storage:** In berm for use

**Owner/Operator:** Licensee

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

<b>Berms &amp; Liners:</b> A	<b>Water within Berms:</b> A	<b>Evidence of Leaks:</b> A
<b>Drainage Pipes:</b> NA	<b>Pump Station &amp; Catchments Berm:</b> NA	
<b>Pipeline Condition:</b> NA	<b>Condition of Tanks:</b> NA	
<b>Chemical Storage:</b> U	<b>Spills:</b> U	

**Comments:** Covered secondary containment is employed for the fuel caches at Three Bluffs. A small tear was noted in one of the berms, which will be repaired. Fuel cache for the water pump generator requires that the berm be shored up and the cover replaced to keep water from accumulating. There is a spill by the boiler that was not addressed appropriately. Attempt was made to burn off the spilled material. Contaminated soil is to be removed. Spills are to be managed according to the approved spill contingency plan.

### **Required Action**

- Spills are to be managed according to the spill contingency plan. Contaminated soil is to be removed immediately. Contaminated water should be pumped from puddles into a berm and treated. This may require monitoring and repeating. A report to be submitted to the inspector by August 31, 2012.
- Oils/lubricants are to be stored in secondary containment, and flammable/explosive products should be stored in an appropriate cabinet. (dates as above)
- As winter drilling does not permit the identification of proper sumps due to snow cover, a constructed sump is to be used to direct cuttings away from the drill hole. This will reduce the risk of subsidence.

## **BULLION CAMP**

Bullion Camp is smaller and generally used for shorter periods. Water is pumped into tanks and logged by tank-full. Water is shock-treated with bleach but is otherwise not treated. Water source is not monitored. Barrel stands are covered to prevent water accumulation. Latrine pits and a large tarp-lined hole were filled in at the inspector's request. Spill trays were placed under the generator and under oils and fuel cans. Currently, all other waste is being backhauled to Hayes Camp (Pacto bags, garbage, and empty barrels).

### **Required Action**

- A grease trap should be installed in the grey-water system for next season, as the sump has a greasy sheen and food particles in it.
- The red/blue barrel with unknown liquid should be filtered through a Rain-drain or equivalent prior to release.
- Water in fuel berm is to be treated/filtered prior to release.

## **WEST PLAINS (Fuel Cache and Drill Site)**

Fuel is in covered containment. The spill kit has been stored in the emergency shack due to missing cover. One drill hole was inspected; the casing/anchor is still present, cut to about 1 foot.



## **DORE CAMP** (temporary winter camp)

Barrels from 2004 temporary camp remain on-site with no containment. 7 full, 2 empty. No sign of leaks.

### **Required Action**

- Barrels are to be removed, and a brief report including photographs to be provided to the inspector by August 31, 2012.

## **INGOT CAMP**

Around 6 drums are present, full or partially full, with no secondary containment. All but one have at least been stood up; one remains on a barrel stand. Propane cylinders are present; several are no longer fixed to a building. 4 barrels of waste (solid and unknown liquid) are also present. Latrine pit remains open.

### **Required Action**

- All hazardous waste should be backhauled.
- Backfill latrine pit.
- A brief report with photographs documenting work to be submitted to the inspector by August 31, 2012.

### **Non-Compliance of Act or Licence:**

Part D (3) Metals and some plastics are still being burned in the incinerator. Care is to be taken to sort waste prior to incineration.

Part D (4) Open burning is occurring haphazardly, with some evidence of items other than clean wood being burned. If Licensee wishes to continue burning, they will be required to demonstrate to the Inspector under which authority they have a permit to burn, and apply for authorization from the NWB accordingly. Burning will occur under the conditions laid by the NWB.

Part D (5) The Licensee shall provide to the Board documented authorization from all communities receiving wastes from the project.

Part D (7) The Licensee shall obtain records of confirmation of proper disposal of hazardous waste.

Part E (8) and (9) These plans are not found on the NWB FTP site. They are to be submitted to the Inspector and the NWB by August 31, 2012.

Part F (2) Drill wasted shall be disposed in a properly constructed sump or appropriate natural depression. Drilling on-snow will require that cuttings be managed as depressions cannot be seen under the snow.

Part H (1) Failure to implement the approved spill plan. (Sec 5.0 of plan states that every spill must be reported. 6.3 requires that a regulatory agency be contacted.)

Part H (2) Failure to amend the Plan as required to include Quarry activities.

Part H (6) Failure to report the spill that occurred at Three Bluffs.

Part I (9) Progressive reclamation of drill holes is to be implemented according to the licence.

Part J (8) Monitoring stations have not been established. CRA-1 will be sampled whether or not the WWTS is in operation.

*Failure to comply with this report may result in enforcement action being taken.*



**General Comments:**

Many things at the project are being done very well: fuel containment is excellent, and few spills were noted. The covered barrel stands are innovative and I hope to see them promoted at other sites. Signage throughout Hayes camp and Three Bluffs is very good.

More familiarity with the intricacies of the Water Licence and other permits will be required in order to ensure that reporting and plan submission are in compliance, and to identify any conflicts or contradictions.

Eva Paul  
Inspector's Name

 10 Aug 2012  
Inspector's Signature

Simeon Robinson  
Representative's Name

Project Manager  
Title

  
Representative's Signature



**REMEDIAL ACTION UNDERTAKEN  
IN RESPONSE TO 2012  
NWB WATER USE INSPECTION REPORT**

**COMMITTEE BAY PROJECT**

NWB LICENCE NUMBER: NWB-2BE-CRA1015

AANDC LAND USE PERMITS: N2009C0018 and N2009C0019

KITIKMEOT INUIT ASSOCIATION PERMITS: KTL306C031 and KTL305C004

AANDC COMMERCIAL LEASES: 056J/11-1-2 and 056J/12-1-2

AANDC QUARRY PERMIT: 2011QP0048

August 2012

**Distribution:**

- ☐ Nunavut Water Board (1)
- ☐ North Country Gold Corp. (2)

File: NCG\_CBay\_RemedialActionReport–NWBInspectionAugust2012.docx



## **BACKGROUND**

North Country Gold Corp. (NCGC) is a TSX-V listed company focussed on mineral exploration and development within the Committee Bay Greenstone belt located the Eastern Kitikmeot region of Nunavut Territory. The company presently holds title to more than 531,000 acres as mineral claims and leases over a length of 300km, encompassing both Inuit owned and Federal owned property. This property, referred to by NCGC as the Committee Bay Project (CBP) includes 3 fully serviceable camps, 1 decommissioned camp, drill infrastructure at the company's flagship Three Bluffs Gold Deposit and a number of satellite fuel and equipment caches.

NCGC holds the following licences for the CBP:

Organization	Description	Permit Numbers
Nunavut Impact Review Board	Project Reference Number	07EN021
Aboriginal Affairs and Northern Development Canada (AANDC)	Land Use Permits	N2009C0018
		N2009C0019
Kitikmeot Inuit Association	Land Use Licence	KTL306C031
		KTL305C004
Nunavut Water Board (NWB)	Water Licence	NWB-2BE-CRA1015
AANDC	Commercial Leases	Lease 065J/11-1-2
		Lease 065J/12-1-2
AANDC	Quarry Permit	2011QP0048

## **INTRODUCTION**

NCGC's CBP was inspected by Aboriginal Affairs and Northern Development Canada (AANDC) Water Resources Officer Eva Paul between the 8<sup>th</sup> and 9<sup>th</sup> of August 2012. This inspection includes a review of NCGC's infrastructure at Hayes camp, the Three Bluffs drilling area, Bullion Camp, Ingot camp and satellite fuel caches at West Plains and Dore.

The August Water Inspection Report highlighted a number of issues that required immediate attention. This included:

1. HAYES CAMP
  - a. All oils and lubricants to be stored in secondary containment
2. THREE BLUFFS DRILL AREA, CACHE AND LAY DOWN
  - a. Hydrocarbon spill at boiler to be managed in accordance with spill contingency plan: Contaminated soil removed immediately, water pumped from puddles into a berm and treated and ongoing monitoring
  - b. All oils and lubricants to be stored in secondary containment
3. DORE CACHE
  - a. 7 full and 2 empty fuel drums to be removed
4. INGOT CAMP
  - a. All hazardous waste to be backhauled



- b. Backfill latrine pit

## 5. GENERAL

- a. Submission of plans and drawings:
  - i. Construction drawings for engineered project infrastructure per Part E (8) of the water licence
  - ii. Quarry development plan per Part E (9) of the water licence.

This report describes actions taken to remedy the abovementioned deficiencies.

### 1. Hayes Camp

- *Oils/lubricants are to be stored in secondary containment by August 31, 2012.*

The sea container located at the northern end of Quanset 1 was lined with an impermeable Layfield GeoLiner giving spill containment capacity of >400 litres. All oils, lubricants, fuel additives, and radiator fluids previously located within the central camp workshop have now been consolidated and moved to this sea container for storage.



## 2. Three Bluffs

- *Spills are to be managed according to the spill contingency plan. Contaminated soil is to be removed immediately. Contaminated water should be pumped from puddles into a berm and treated. This may require monitoring and repeating.*

Ground contaminated by the hydrocarbon spill approximately 10m east of the boiler has been addressed and is now being monitored. All visually contaminated soil was shovelled from between the rocks and placed into empty drums inside a berm. These drums have been sealed for the winter, and will be relocated to camp in the spring for hazardous waste storage and backhaul off site.

Contaminated water was pumped through a water pump from puddles on August 19 and 25. Water was pumped from puddles into a berm containing spill matting, and absorbent pillows. From the berm, water was then drained and filtered through a Rain Drain to remove contaminants.

Absorbent matting, pillows and noodles have been placed at the spill site after pumping to absorb any further hydrocarbons. NCGC is presently monitoring the area affected by the hydrocarbon spill.

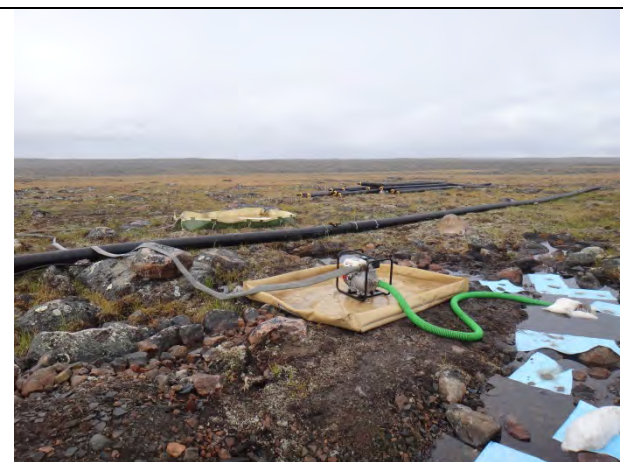
Photos of the spill site before, during and after cleanup are provided below.

*Before*





During





After



- *Oils/lubricants are to be stored in secondary containment, and flammable/explosive products should be stored in an appropriate cabinet.*

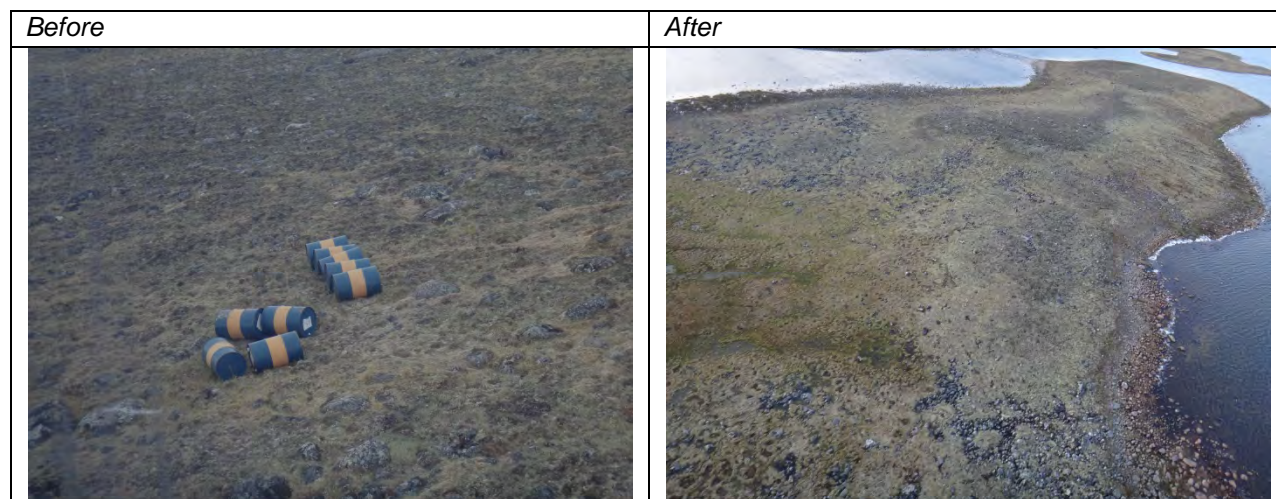
All hydrocarbon based oils and lubricants found within the drillers' lay-down area at Three Bluffs were reorganized and placed into multiple insta-berms within the sea-can. This was completed on August 19, 2012. NCGC plans to line entire sea container with an impermeable GeoLiner in the next season. A flammables/explosives cabinet will be sourced for the 2013 program.



### 3. Dore Camp

- *Barrels are to be removed, and a brief report including photographs to be provided to the inspector by August 31, 2012.*

All fuel barrels were removed via helicopter on August 12, 2012. They were relocated to Bullion Camp and placed within the existing covered fuel storage berm.





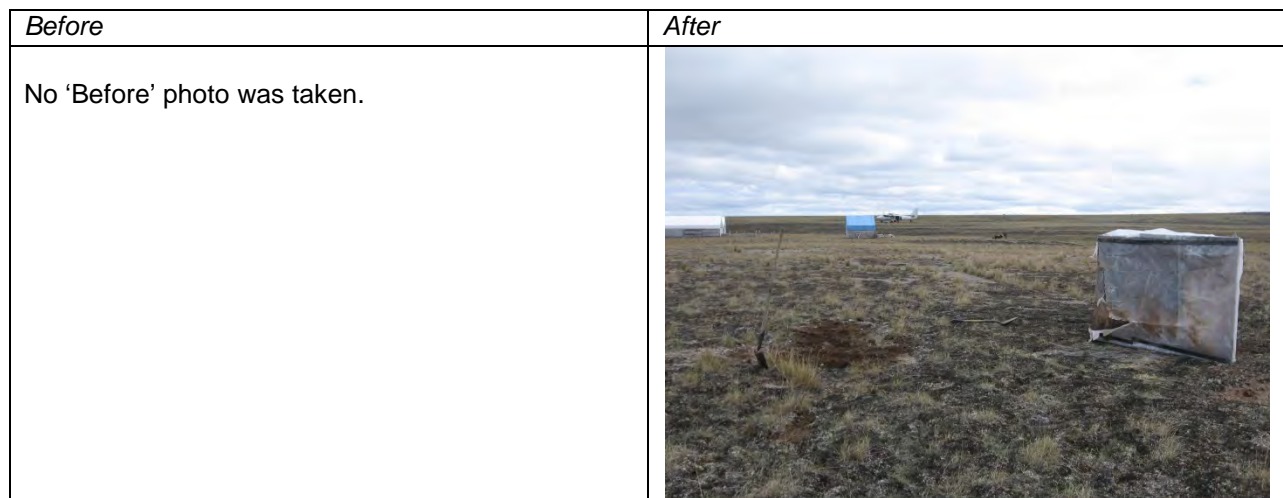
#### 4. Ingot Camp

- *All hazardous waste should be backhauled*

All hazardous waste was removed from Ingot Camp on August 14, 2012 and relocated to Hayes Camp for proper sorting and eventual backhaul offsite. The latrine pit was also backfilled.



- *Backfill latrine pit*



#### 5. General

- Drawings prepared by engineering company JDS Energy and Mining of the Hayes Camp Esker Airstrip can be found as Appendix 1. All quarrying and earthworks were completed by JDS Energy and Mining.
- The quarry development plan is attached as Appendix 2

## ADDITIONAL WORK REQUESTED

Additional work noted in the inspection report has been tabulated below with present status and timeframe required.

Direction	Status	Timeframe
Establishment and marking of water monitoring station at CRA1	Station has been established and water sampling equipment is onsite	Sample to be taken prior to demobilization from Hayes camp 2012
Discharge Point of WWTS requires further erosion control measures prior to discharge. Notify inspector of measures prior to further discharge	Research to be conducted	Prior to discharge
Incinerator log to be implemented. Log to include nature of waste, date/time, initials of person responsible, inspection of ash	Ongoing development of SOP	Prior to 2013 season
NCGC to find out what instrument permits open burning	Resolved, see Appendix 3	
NCGC to provide proof as hazardous waste generator, and provide documentation of proper disposal of hazardous waste (manifests, disposal certificates)	Ongoing	Accompany 2012 Annual Report
Flammables/explosives to be stored in appropriate cabinet	Sourcing	For 2013 season
Review of NCGC spill contingency plan	Ongoing	Accompany 2012 Annual Report
Development of system to manage human waste at Three Bluffs drill area	Ongoing	For 2013 season
Drill cuttings to be managed /sumped appropriately	Ongoing development of SOP	For 2013 season
Grease trap to be installed at Bullion camp		Prior to operation of camp 2013
Red/blue drum at Bullion camp with unknown liquid to be filtered through rain drain prior to release	Complete	
Water in berm at Bullion camp to be treated prior to release	Complete	

# Appendix 1

## Drawings for Hayes Camp Esker Airstrip





## Appendix 2

### North Country Gold Corp. – Quarry Management Plan

**Quarry Development Plan  
North Country Gold Corp.  
Three Bluffs Gold Project**

**April 2011**

**Location**

North Country Gold Corp.'s Hayes Camp is located at Latitude 66°39'31"N and Longitude 91°33'11"W, approximately 220 km SSW of Kugaaruk and 235 km WSW of Repulse Bay within the Eastern Kitikmeot region of Nunavut. As part of the overall plans for the 2012 – 2016 seasons, North Country Gold submitted a quarry permit application to make enhancements to the infrastructure at the existing camp, including: extensions to the camp facilities; grading and lengthening of the airstrip; and the development of a road to the Three Bluffs gold deposit. Three borrow areas were identified in the applications to regulatory authorities (Figure 1).

**Quarry Material Characterization**

Proposed Borrow Areas 1 and 2 are located on a low lying terrace associated with a large esker complex and containing mixed glacial and beach sediments. Material at both these locations is covered by up to 10cm of organic material mixed with fine silts and sands. Quarry material comprises immature, poorly sorted, quartz rich sands with common seams containing intermixed sub-angular to rounded boulders and cobbles. All material is quartzo-feldspathic in nature. Cobbles and pebbles are predominantly granitic in composition.

Proposed Borrow Area 3 occupies a low lying hill representing a residual glacio-fluvial terrace. Material at this location comprises very poorly sorted glacial till with sub-angular to sub-rounded boulders with diameter of 0.6-1.5m and a matrix of poorly sorted sand, pebbles and cobbles. All material is quartzo-feldspathic in nature and appears to be derived from a distal granitic source.

**Erosion Control Measures**

Erosion control reduces the potential for erosion. It is the primary way to prevent permafrost degradation and sediment transport. Sediment control reduces the potential for eroded soil being transported and deposited outside the quarry area.

North Country Gold will protect the natural ground surface by:

- Maintaining natural drainage channels;
- Maintaining, as much as possible, natural vegetative cover;
- Avoiding traffic over natural terrain as much as possible;
- Avoiding generating standing water; and,
- Avoiding draining existing water bodies.

### *Erosion Control*

North Country Gold will use sand bags as mitigation measures to prevent and control erosion. Sand bags will be used along the length of the airstrip during construction in areas where runoff and drainage create the potential for washout. Construction of the airstrip will not be completed in one field season, therefore it will be important to have measures in place to keep materials used in the airstrip construction from being washed out during freshet and storm events. The use of sand bags will:

- Reduce water flow velocities in channels and ditches;
- Reduce run-off erosion;
- Allow water to collect and sediment to settle out; and,
- Are easy to construct and re-usable.

### *Sediment Control*

Silt fences will be erected in drainages near the quarry locations as well as along the roadways to the quarry areas.

Silt fences:

- Filter sediment from run-off;
- Aid in water ponding so that coarse sediment settles out; and,
- Are effective for sheet flow erosion.

If scouring occurs, sand bags will be used to reduce the velocity of the runoff and the silt fences will be erected. These mitigation measures will allow sediment to drop out and reduce the potential for the migration of sediments toward the lake.

Additional erosion control measures will be employed if needed.

### **Surface Drainage**

Drainage patterns are not expected to be impacted or altered as a result of quarrying activities at Hayes camp. North Country Gold has noted that during freshet and heavy storm events, natural drainages are active with water. However, at other times, smaller events and naturally ponding water infiltrates the esker surface.

The quarry areas were selected based on material needs, proximity to infrastructure to be constructed and environmental considerations, including surface drainage. The Hayes camp and airstrip are situated on an esker along a lake. Natural drainage flows along this esker toward the lake from a number of points. Quarrying activities will be conducted in a manner that avoids these drainage areas and does not impact the natural movement of the water. As well,

no steep areas will be created from the removal of quarry material and thus runoff scouring of slopes is not anticipated to occur.

As a precautionary measure, silt fences will be erected in all drainages.

### **Water Management Procedures**

It is important to keep water from ponding in the quarried areas of esker, sand and gravel material. Moving water is an effective erosive agent of frozen soils that, in the permafrost terrain, becomes thermal erosion. Spring freshet releases large volumes of water quickly over the frozen ground surface. Ponded water can lead to thermal degradation of frozen ground. Thermally degraded ground is more susceptible to erosion. In the event that ponding of water does occur, the following measures will be undertaken:

- Water will be pumped out of the quarried areas carefully, and will be directed along the natural drainages that have erosion control measures erected; or,
- Water will be drained off by the creation of a ditch which will direct water from the pond downslope away from the quarry area. The ditch would be monitored.

If, during the removal of quarry material, ice is encountered, quarrying activities will cease and the material will be replaced to ensure that preferential drainage areas are not created. A record will be kept of ice encounters and the sites will be monitored. A new location will be chosen for quarrying.

If water quality is a concern, due to TSS, water will be collected in a sump and pumped through a form of “filters” before release overland toward the natural drainages.

### **Monitoring Activities**

The quarry areas will be monitored during:

- Construction;
- Freshet;
- Following storm events; and,
- During ground bird migration and nest selection.

Drainages will be walked and visually inspected regularly. Water samples will be collected in the event that there are concerns with regard to elevated TSS.

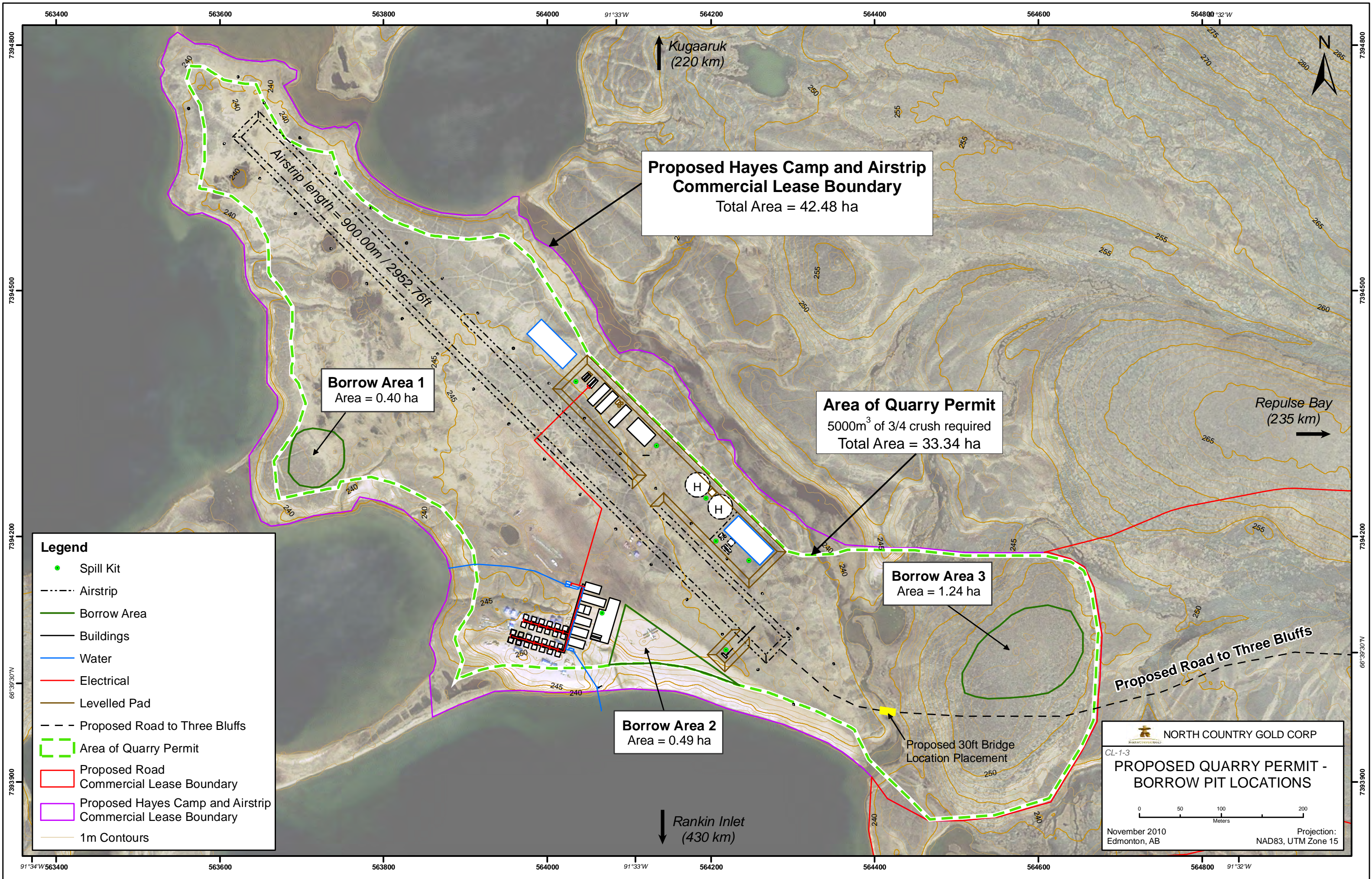
Prior to beginning quarrying activities, a survey will be conducted to ensure that there will be no disturbance to ground nesting birds.

## **Closure and Remediation Methods**

Quarry areas will be reclaimed as soon as they are no longer in use. Material within the quarry area will be sloped to encourage drainage from the quarry area toward natural drainages. Material will be built up in any areas where there is a concern or risk of ice melting, should ice be encountered during quarrying activities. If needed, quarry areas will be covered and capped to insulate ground ice and promote permafrost aggradation.

Quarry areas will be monitored following remediation and closure. The expectation is that the areas will stabilize and over time, in the eskers, revegetation will occur naturally.







## Appendix 3

Supporting documentation for open  
burning of untreated wood and large  
pieces of cardboard





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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYIT  
OFFICE DES EAUX DU NUNAVUT

File: 2BE-CRA1012/D4

August 31, 2012

Simeon Robinson, Project Manager  
North Country Gold Corp.  
Suite 220, 9797-45 Avenue  
Edmonton, Alberta  
T6E 5V8

Sent via e-mail: [Simeonr@northcountrygold.com](mailto:Simeonr@northcountrygold.com)

**Subject: Licence No. 2BE-CRA1015; Part D Conditions Applying to Waste Disposal**

Dear Simeon,

As advised by North Country Gold (NCG or the Licensee) and requesting clarification on the above Licence condition and requirements, the NWB is aware that the Inspector has requested information identifying the Licensee's authority to conduct open burning in accordance with the NWB's Licence and any applicable terms and conditions issued by the Board. At the outset, I must point out that in contrast to some older NWB Licences, the Licence in question, 2BE-CRA1015, does not include a general condition prohibiting open burning, unless authorized by the Board. Rather, it is a term of the Licence that prohibits the open burning of specified waste types such as plastics, coated wiring, treated wood, Styrofoam, etc. Part D, Item 4 of Licence 2BE-CRA1015 reads:

The Licensee shall not open burn plastics, wood treated with preservatives, electric wire, Styrofoam, asbestos or painted wood, to prevent the deposition of waste materials of incomplete combustion and/or leachate from contaminated ash residual, from impacting any surrounding waters, unless otherwise approved by the Board in writing.

In addition, the Licensee, by way of the Waste Management Plan<sup>1</sup> filed with the Board in association with the 2010 licence amendment application, indicated that their waste management plans included open burning of untreated wood, cardboard etc. The section of the Plan reads:

All wastes will be separated/sorted and disposed of as follow:

- Combustible wastes – will be incinerated in the incinerator on site. See the Incineration Guidelines for more information on what cannot be burned in the current incinerator.

<sup>1</sup> North Country Gold Corp., Three Bluffs Project, Waste Management Plan, November 2010

- Untreated wood and large pieces of cardboard - will be burned in a controlled open burn according to the GN Municipal Solid Wastes Suitable for Open Burning Guidelines.
- Scrap metal – will be removed from site and taken to Rankin Inlet and/or Churchill, MB for disposal.
- Non-combustible inert wastes – will be removed from site and taken to Rankin Inlet.
- Non-combustible waste oil and oily rags – will be shipped from site in a sealed drum and taken to Rankin Inlet where they will be sent south via air or barge. See the Hazardous Materials Management Plan for more detail and information.
- Hazardous Wastes – see the Hazardous Materials Management Plan

Having reviewed this Plan, and the comments received on the overall Application, the Board is aware of the limited controlled open burning planned to take place at the site. As the Licence does not contain a prohibition on open burning of these materials and the Board has been advised of the Licensee's plans for open burning, it is the NWB's view that no further Board authorization or amendment to the terms or conditions of the existing Licence terms are required to authorize the Licensee to conduct open burning of the materials specified in the Waste Management Plan. The Board does however note, that open burning of the waste types prohibited under the Licence, Part D, Item 4, is not acceptable and would constitute a contravention of the Licence. As with the incineration residues, ashes and non-combustible residues are to be collected for shipment and disposal off-site at an approved facility.

Should the Licensee, AANDC and the Inspector have questions, comments or require follow up with respect to this matter, please contact myself at Ph. (780) 443-4406 or the Manager of Licensing, Phyllis Beaulieu at [licensing@nunavutwaterboard.org](mailto:licensing@nunavutwaterboard.org) , or Ph.(867) 360-6338 x27.

Sincerely,

David Hohnstein, C.E.T.  
Director Technical Services  
Nunavut Water Board

Cc. Jo Price, M.Sc., P. Geol., NCG  
Eva Paul, AANDC  
Andrew Keim, AANDC



## **Appendix 5**

North Country Gold Corp. Spill Prevention and Response Plan

*Updated November 2012*



## **Spill Prevention and Response Plan**

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## **1.0 INTRODUCTION**

The North Country Gold Corp. (NCG) Spill Prevention and Response Plan (SPRP) shall be in effect from February 1, 2003 to February 2015.

This Spill Prevention and Response Plan will be posted at all operational remote sites where fuel, oil, lubricants, and all other hazardous materials are stored.

NCG endeavors to take every reasonable precaution toward ensuring the protection and conservation of the natural environment, the safety and health of NCG employees, sub-contractors and contractors and (protecting) the community (at large) from any harmful effects of its materials and operations.

### **1.1 PURPOSE**

The overall purpose of the SPRP is to mitigate, to the fullest extent possible, the risk of environmental contamination from the accidental release of deleterious materials by providing clear procedures for their storage and handling as well as clear plans of action in the case of such a release.

The Spill Prevention and Response Plan will:

- Promote the safe and careful use of potentially hazardous materials;
- Promote the safe and effective recovery of spilled potentially hazardous materials;
- Minimize the environmental impacts of spills to water or land;
- Provide site-specific information on the facilities and contingencies in place;
- Identify roles, responsibilities, and reporting procedures for spill events;
- Provide readily accessible emergency information to cleanup crews, management and government agencies, and;
- Comply with federal and territorial regulations and guidelines pertaining to the preparation of contingency plans and notification requirements in the event of an emergency or spill.

### **1.2 ENVIRONMENTAL POLICY**

The present SPRP has been prepared in accordance with the commitments made in NCG'S environmental policy (see Corporate and Social Responsibility Plan), which are to:

- Assess the potential environmental impacts of any new undertaking with an objective to minimize adverse impacts;
- Design and operate facilities to ensure that effective controls are in place to minimize risks to health, safety and the environment;
- Implement an emergency response plan to minimize the impacts of unforeseen events;
- Provide a professional workplace for staff to plan and direct environmental compliance programs and to assist in training and education activities;
- Provide training and resources that help to develop a culture of compliance for both safety and environment for employees;

- Ensure that environmental factors are included in the purchase of equipment and materials;
- Ensure that contractors operate according to the company's environmental policy and procedures and are aware of applicable laws, regulations and the terms and conditions of permits and licences;
- Comply with all applicable environmental laws and regulations;
- Communicate with employees, the public, government agencies and other stakeholders on activities involving health, safety and the environment;
- Regularly verify environmental performance and implement any required corrective action;
- Minimize the generation of hazardous, as well as non-hazardous, waste and ensure proper disposal of all waste materials;
- Implement measures to conserve natural resources such as energy and water, and;
- Rehabilitate sites in accordance with regulatory criteria and within established time-frames.

## 2.0 FACILITIES

North Country Gold Corp operates 4 camps, 2 fuel caches, and a number of drill sites along the Committee Bay Belt (Table 1).

Hayes camp is the main camp in the area and is supported by a natural esker airstrip and a prepared winter ice strip on Sandspit Lake located next to the camp. Bullion, Ingot and Crater camps are smaller camps used as bases for seasonal exploration in various parts of the area. Drill sites are located in geologically favorable various parts of the area where small amounts of drill equipment and/or fuel may be temporarily stored for future use (small remote fuel caches). Camp Layouts are detailed in Appendix 1.

Table 1. North Country Gold Corp. camp and cache locations.

CAMPS	Easting or Latitude	Northing or Longitude
<i>Hayes Camp</i>		
UTM (Nad83 z15)	564613	7394173
Lat/Long	66°39'30"	91°32'11"
<i>Bullion Camp</i>		
UTM (Nad83 z15)	494850	7363850
Lat/Long	66°23'39"	93°06'55"
<i>Ingot Camp</i>		
UTM (Nad83 z15)	516500	7386100
Lat/Long	66°35'40"	92°37'34"
<i>Crater Camp</i>		
UTM (Nad83 z15)	677781	7478788
Lat/Long	67°22'19"	88°51'24"
<i>Three Bluffs Drill Grid</i>		
UTM (Nad83 z15)	569153	7392660
Lat/Long	66°38'42"	91°26'12"
<i>Ibex Cache</i>		

UTM (Nad83 z15)	493060	7342810
Lat/Long	66°12'19"	93°9'14"
<i>West Plains Cache</i>		
UTM (Nad83 z15)	479650	7334330
Lat/Long	66°7'43"	93°27'2"

## 2.1 BUILDINGS AND STRUCTURES

This section describes all infrastructure including buildings, and machinery, as well as all potential aircraft transportation equipment at NCG's main camp, Hayes Camp and Three Bluffs Drill Grid.

### Hayes Camp and Three Bluffs Drill Grid Infrastructure

Table 2a. Structures and Infrastructure currently permitted, approved and onsite

Quantity	Make	Description	Fuel Type
2	All Weather Shelters	Quonset (100'x40')	N/A
1	MTH Housing	Kitchen Unit (10'x8'x40')	N/A
1	MTH Housing	Washcar Unit (10'x8'x40')	N/A
1	MTH Housing	Washcar/Open Room Unit (10'x8'x40')	N/A
30	Custom built	12'x14' sleeping tent	Diesel
1	Custom built	12'x14' medical tent	Diesel
1	Custom built	12'x14' food storage tent	Diesel
1	Custom built	12'x24' Management office	Diesel
1	Custom built	12'x28' Geology office	Diesel
1	Custom built	12'x14' Logistics office	Diesel
1	Custom built	12'x28' Camp workshop	Diesel
1	Custom built	12'x28' Camp dry	Diesel
1	Custom built	12'x28' Drillers dry	Diesel
1	Custom built	12'x40' Kitchen/dining	Diesel
1	Custom built	12'x60' Core processing tent	Diesel
1	Weatherhaven	12'x14' Storage weatherhaven	Diesel
4	Washroom	4'x4' Pacto unit	N/A
4	Sea container	8'x8'x20' sea container	N/A
1	Sanitherm	Internal Membrane Waste Water Treatment System	N/A
2	Enviro	35k litre double walled fuel tanks	Diesel
2	CAT	XQ 230 230k Generators	
1	Ketek/Westland	CY2050-CA incinerator	N/A
1	Tidy Tank	500 litre double walled fuel tank - Incinerator	Diesel

Table 2b. Structures and Infrastructure currently permitted, approved but yet to be moved to site

Quantity	Make	Description	Fuel Type
2	Enviro	Skid mounted 35k litre double walled fuel tanks	Diesel
2		Explosive Magazines (Sea Cans)	



Table 3a. Vehicle, Heavy Equipment currently permitted, approved and onsite

Quantity	Make	Year	Description	Fuel Type
1	Caterpillar	2002	140H Grader	Diesel
1	Caterpillar	2011	289C Skid Steer Loader	Diesel
1	Caterpillar	2008	320 DL RR Excavator	Diesel
1	Caterpillar	2007	730 Articulating Dump Truck	Diesel
1	Caterpillar	2005	CS563E Packer	Diesel
1	Caterpillar	2008	D6NLGP Dozer	Diesel
1	Caterpillar	2001	D6R XL PAT Dozer	Diesel
1	Caterpillar	unknown	IT 24 F Loader	Diesel
1	John Deere	unknown	640D Skidder	Diesel
1	Westpro	unknown	PCU1030 Portable Crushing Unit	Diesel
1	All Track AT80HD	2012	All track	Diesel
1	Dodge	1994	Ram 4x4 pickup	Diesel
1	Ford	2007	F450 4x4 Service Truck	Diesel
2	Hagglund BV206	1990	Hagglund BV206	Diesel
2	Kubota	2011	RTV1140P 4x4 ATV	Diesel
1	Magnum Pro	2010	MLT5080 Lighting Plant	Diesel
8	Polaris	2012	Polaris LXT 136 Snowmobile	Gasoline
2	Skidoo	2011	GTSP 55 Snow Machine	Gasoline
2	Skidoo	2011	Skandic Wide Track 550 Snow machine	Gasoline
5	Yamaha	various	Bravo Snow Machine (Black)	Gasoline
1	GMC	1994	Sierra 4x4 pickup	Gasoline

Table 3b. Large Equipment currently permitted and approved but yet to be moved to site

Quantity	Make	Year	Description	Fuel Type
1			Screening Plant	
1			Fuel Services Truck	
1	Caterpillar		730 Articulating Dump Truck	
1			Blasting Mini Rig	

Table 4a. Diamond and RC Drilling Equipment currently permitted, approved and onsite.

Quantity	Make	Year	Description	Fuel
5	Irving Machine	2012	Drill shack 1	N/A
5	Irving Machine	2012	Rod Sloop 1	N/A
5	Irving Machine	2012	Pump Shack 1	N/A
5	Zinex	various	A5 B20 Core Drill	Diesel
	Miscellaneous		Drill spares/pumps/parts	
2	Northspan	various	Super Hornet Reverse Circulation drills	Diesel
2	CAT	2004	XQ80 80k Generators	Diesel
2	CAT	2009	XQ60 60k Generators	Diesel
2	Enviro		2000l Double walled Fuel Tanks	Diesel
1	Drill water system	2011	Pumping station, insulated pipeline, water storage tanks, boiler	Diesel

Table 4b. Diamond and RC Drilling Equipment currently permitted and approved but yet to be moved to site.

Quantity	Make	Year	Description	Fuel
2	Zinex	various	A5 B20 Core Drill and pump shacks	Diesel

Table 5. Air Transport Equipment

Type	Make	Description	Fuel
Fixed Wing	de Havilland	DHC-6 Turbo Otter	Diesel/Jet turbine
Fixed Wing	de Havilland	DHC-6 Twin Otter	Diesel/Jet turbine
Fixed Wing	de Havilland	DHC-5 Buffalo or similar	Jet turbine
Fixed Wing	Lockheed	C130 Hercules	Jet turbine
Fixed Wing	Boeing	737-200	Jet turbine
Fixed Wing	Convair	580	Jet turbine
Helicopter	Bell	206LR/L3/L4 H	Jet turbine
Helicopter	Airstar	B2	Jet turbine

## 2.2 FUEL STORAGE

The fuel storage monitoring program is detailed in Section 6 of this plan and in more detail in the Fuel Management Plan.

All fuels, such as diesel, Jet A/B and gasoline, are stored in 205 litre (45 gal) metal drums. In 2011 two 35,000 litre double walled enviro-tanks were installed onsite. These enviro-tanks will be housed such that all fittings, pipes, etc. are within secondary containment. Propane is stored in standard 100 lb. tanks.

All drummed fuel is stored within secondary containment. Fuel caches are stored in secondary containment, consisting of heavy plastic “instaberm’s”. There are two caches located at Hayes Camp, and three at the Three Bluffs Drill Grid. Drummed fuel that is being used is stored on spill trays and/or within completely enclosed “houses”. These “houses” are used for fuel drums that are connected to the stoves in the tents. They protect the drums from the elements, and prevent storm water and snow from building up within the secondary containment.

## 3.0 PETROLEUM & CHEMICAL STORAGE AND INVENTORY

The hazardous materials stored on site consist of the following substances:

- P-50 diesel,
- Jet a and/or jet b turbo fuel,
- Gasoline,
- Grease (mechanical lubricants),
- Hydraulic oil,
- Engine oil,
- Waste oil (awaiting removal from camp for proper disposal),
- Propane,
- Other materials potentially hazardous to the safety of personnel and the environment

The Material Safety Data Sheets (MSDS) for the hazardous materials stored at the exploration camp can be found in Appendix 2.

All hazardous materials/supplies are flown into, and out of sites. A Waste Manifest will accompany the movement of all hazardous wastes.

### 3.1 PETROLEUM PRODUCT TRANSFER

Manual, electric and engine powered pumps, along with appropriate filtration devices, may be used for the transfer of petroleum products from their storage drums to their end-use fuel tanks. Cigarette smoking, sparks, open flames and any other potential ignition sources are prohibited from any fuel storage and fuel transfer site at all times. As a general guideline, all equipment is to be turned off during refueling.

Secondary containment is used in transfer areas and a spill kit is located proximal to these areas.

### 3.2 REMOTE LOCATION STORAGE AND HANDLING PROCEDURES

At times, North Country Gold Corp. may establish temporary remote fuel caches for seasonal company use. Typically these caches would consist of 19 drums or less comprising Jet fuel and/or P-50. These remote fuel caches will be in accordance with CSA approved methods of storage of drummed product, and are very temporary most often used to support field activities further afield from the camps and camp fuel caches. A spill kit will be located at each fuel cache. As well, the helicopter carries additional absorbent pads.

## 4.0 RISK ASSESSMENT AND MITIGATION OF RISK

There are a number of risks associated with the use of hazardous materials such as drummed fuel, as well as the vehicles and equipment that use them. Table 6 summarizes potential risks, and ways to control, mitigate and minimize such risks.

Table 6. List of potential spill risks and solutions

Product / Item	Possible Risk	Mitigation of Risk
Drummed product: <ul style="list-style-type: none"><li>- Jet A or B</li><li>- Diesel</li><li>- Gasoline</li><li>- Waste Fuel and Oil</li></ul>	<ul style="list-style-type: none"><li>- Leaks or ruptures to drums may occur</li></ul>	<ul style="list-style-type: none"><li>- Regular inspection of drums.</li><li>- Keep drums in berms to avoid any potential leakages from contaminating soil/environment</li></ul>
Fuel cylinders: <ul style="list-style-type: none"><li>- Propane</li></ul>	<ul style="list-style-type: none"><li>- Leaks may occur at the valves</li></ul>	<ul style="list-style-type: none"><li>- Regular inspection of cylinders to ensure valves are closed</li><li>- All cylinders are secured at all times</li></ul>
Vehicles and equipment: <ul style="list-style-type: none"><li>- Wheeled and tracked vehicles</li><li>- Aircraft</li><li>- Snowmobiles</li><li>- Generators</li></ul>	<ul style="list-style-type: none"><li>- Leaking or dripping fuels and oils</li></ul>	<ul style="list-style-type: none"><li>- Regular inspection for malfunctions, impact damage</li><li>- Regular maintenance</li><li>- Proper storage: All vehicles and heavy machinery to be kept in Quanset 1, which is lined with impermeable Layfield</li></ul>

- Pumps		GeoLiner - Have designated, controlled fueling station for vehicle
---------	--	---

Regular inspection and maintenance in accordance with recognized and accepted standard practices at all camps and fuel caches, reduces risks associated with the categories listed above. Large fuel caches of 20 drums or more will be inspected daily.

Spill response training is provided to all personnel with particular attention to those personnel who handle fuels and other petroleum products. This training will include a presentation, "mock" spill, review of spill kit contents and their use and reporting.

Spill Kits will be located at all camps, fuel caches and drill shacks. A description of contents is listed in Section 7.0.

## 5.0 RESPONDING TO FAILURES AND SPILLS

In the case of any spill or other environmental emergency, it is necessary to react in the most immediate, safe, and environmentally responsible manner. No spill or incident is so minor that it can be ignored and every spill must be reported internally, with Table 7 indicating the quantities which must be reported to government agencies, particularly the 24-hour Spill Line. Appropriate spill reporting forms are detailed in Appendix 3.

Table 7. Spill reporting quantities

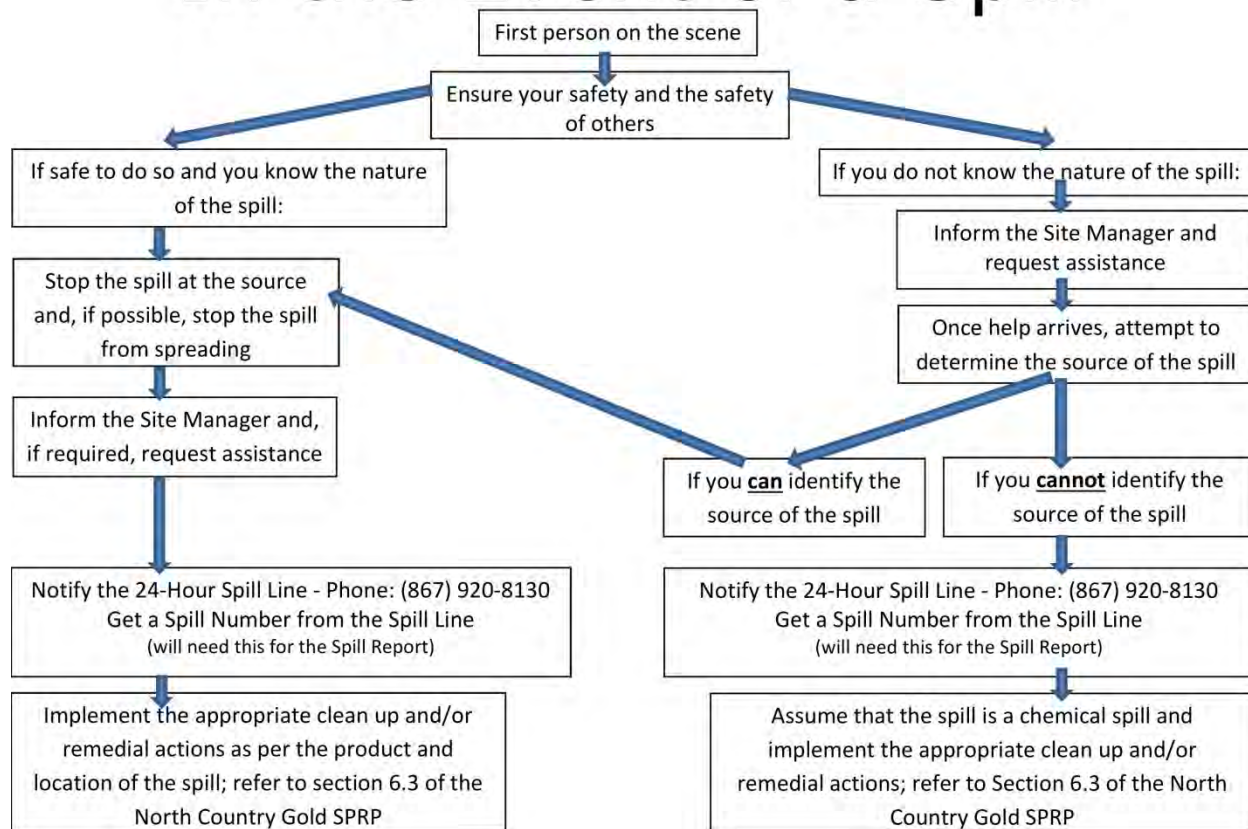
Substance	TDG Class	Reportable Amount
Explosives	1	Any amount
Compressed gas (flammable)	2.1	Any amount of gas from containers with a capacity greater than 100 L
Compressed gas (non-corrosive, non-flammable)	2.2	Any amount of gas from containers with a capacity greater than 100 L
Compressed gas (toxic)	2.3	Any amount
Compressed gas (corrosive)	2.4	Any amount
Flammable liquid	3	100 L
Flammable solid	4.1	25 kg
Spontaneously combustible solids	4.2	25 kg
Water reactant solids	4.3	25 kg
Oxidizing substances	5.1	50 L or 50 kg
Organic Peroxides	5.2	1 L or 1 kg
Poisonous substances	6.1	5 L or 5 kg
Infectious substances	6.2	Any amount
Radioactive	7	Any amount
Corrosive substances	8	5 L or 5 kg
Miscellaneous products or substances excluding PCB mixtures	9.1	50 L or 50 kg
PCB mixtures of 5 or more parts per million	9.1	0.5 L or 0.5 kg
Environmentally hazardous	9.2	1 L or 1 kg
Dangerous wastes	9.3	5 L or 5 kg
None	None	Any amount

## 5.1 BASIC STEPS

The basic steps of the response plan are as follows:

1. Ensure the safety of all persons at all times.
2. Identify and find the spill substance and its source, and, if possible, stop the process or shut off the source.
3. Inform your supervisor as soon as it is possible and safe to do so. Complete a Spill Report form, as found in Appendix 3.
4. Contain the spill or environmental hazard, as per its nature.
5. Implement any necessary cleanup and/or remedial action

# In the Event of a Spill



## 5.2 CHAIN OF COMMAND

1. Notify your immediate supervisor of any spill.
2. Fill out Spill Report form and submit to your supervisor.
3. Supervisor will inform the Project Manager, (Simeon Robinson, (780) 616-9459) and submit Spill Report form.
4. If the spill is above the reportable quantities (Table 7), the Project Manager, or PM-appointed delegate will notify:
  - a. 24-Hour Spill Line at (867) 920-8130 (Fax: (867) 873-6924)
  - b. AANDC Water Resources Officer in Nunavut at (867) 975-4548
  - c. Environment Canada at (867) 975-4644

## 5.3 EMERGENCY CONTACT LIST - SPILL REPORTING AND RESPONSE

CONTACT	TELEPHONE NUMBER
24-Hour Spill Line	(867) 920-8130
NCG, Simeon Robinson, Project Manager	(780) 616-9459
NCG, Peter Kleespies	(780) 966-6638
AANDC Water Resource Officer, Iqaluit	(867) 975-4548
Environment Canada	(867) 975-4644 24hr page: (867) 766-3737
Government of Nunavut Department of Environment	(867) 975-5910
Kitikmeot Inuit Association	(867) 983-2458
Department of Fisheries and Oceans (DFO)	(867) 979-8007
Nunavut Water Board	(867) 360-6338
Rankin Inlet RCMP	(867) 645-0123
Yellowknife Fire Department	(867) 873-2222
Stanton Regional Hospital – Yellowknife	(867) 920-4111
Discovery Mining Services	(867) 920-4600
Hayes Camp Manager	24 hour contact number **

\*\* This phone number will be provided by email each year when the camp is re-opened and the phone number is established.



## 6.0 TAKING ACTION

### 6.1 PREVENTATIVE MEASURES

The following actions illustrate a proactive approach to environmental stewardship. In addition, these actions minimize the potential for spills during fuel handling, transfer and storage:

1. Fuel transfer hoses with “cam lock” mechanisms are used.
2. Carefully monitor fuel content in the receiving vessel during transfer. Always have additional absorbent pads on hand while transferring fuel.
3. Clean up drips and minor spills immediately.
4. Regularly inspect drums, tanks and hoses for leaks or potential to leak and for proper storage. Daily Fuel reports are detailed in Appendix 4 and should be completed daily upon inspection and filed with the operations manager.
5. Create fuel caches in natural depressions that are located a minimum of 31 metres from the normal high-water mark of any water body.
6. Train personnel, especially those who will be operators, in proper fuel handling and spill response procedures.

North Country Gold will support the following general principles for spill prevention:

- Provide up to date and accessible Material Safety Data Sheets (MSDS) for all hazardous materials;
- Regularly inspect fuel/chemical storage areas and maintain on site the records of the inspections;
- Provide training for with respect to approved procedures for handling hazardous materials, and procedures to clean up spills;
- Encourage workers to take reasonable measures to prevent spills;
- Keep drums/containers sealed or closed when not in use;
- Keep storage areas secure from unauthorized access;
- Segregate incompatible materials;
- Ensure chemical storage areas are adequately protected from weather and physical damage, and;
- Provide adequate spill response materials at storage areas.

#### 6.1.2 RESPONSIBILITIES DURING TRANSPORT

##### Shipper:

- Ensures proper loading, restraint, containment and documentation, which complies with TDG guidelines
- Ensures that goods are classified and labeled appropriately. Provide placards if required
- Ensures safety at all times
- Ensures proper communication with carrier

- Ensure that waste manifests accompany all hazardous waste shipments

Carrier:

- Supervises and ensures proper loading, restraint, containment and documentation which comply with all TDG regulations
- Ensures correct volumes for transport, attach placards if necessary, maintains or replaces safety marks
- Checks and delivers TDG manifest to receiver
- Ensures safety of all personnel and equipment

Receiver:

- Supervises unloading procedures
- Complies with TDG guidelines
- Ensures safety of containment facilities
- Ensures maintenance of all pumps and loading/unloading equipment on site
- Provides on-site emergency communications (telephone, radio)
- Completes regular site inspections of storages facilities
- Records all shipment manifests
- Keeps on-site inventory of all dangerous goods
- Maintains safety procedures at all times

On-Site Coordinator:

- Supervises and organizes spill containment equipment and personnel
- Reports to internal and external parties
- Ensures proper safety equipment is available
- Notifies all personnel of current hazards
- Provides adequate training for safety and materials handling
- Maintains proper safety procedures at all times
- Must be compliant with all TDG guidelines

## 6.2 MITIGATIVE MEASURES

1. First steps to take when a spill occurs:
  - Ensure your own safety and that of others around you, beginning with those nearest to the scene.
  - Control danger to human life, if necessary.
  - Identify the source of the spill.
  - Notify your supervisor, request assistance if needed.
  - Assess whether or not the spill can be readily stopped.
  - Contain or stop the spill at the source.
2. Secondary steps to take:
  - Determine status of the spill event
  - If necessary, pump fuel from a damaged and/or leaking tank or drum into a refuge container
  - Notify the 24-hour Spill Report Line
  - Complete and Fax a copy of the Spill Report Form (Appendix 3).
  - Notify permitting authorities.
  - If possible, resume cleanup and containment.

## 6.3 SPILL RESPONSE ACTIONS

### **DIESEL FUEL, HYDRAULIC OIL, AND LUBRICATING OIL**

Take action only if safety permits – stop the source flow if safe to do so and eliminate all ignition sources. Never smoke when dealing with these types of spills.

#### *On Land*

- Build a containment berm using soil material or snow and place a plastic tarp at the foot of the berm for easy capture of the spill after all vapours have dissipated.
- Remove the spill by using absorbent pads or excavating the soil, gravel or snow.
- Remove spill splashed on vegetation using particulate absorbent material.
- Commence with the removal of any contaminate soil, gravel, or vegetation.
- Place contaminated material into drums for shipping off site.

#### *On Muskeg*

- Do not deploy personnel and equipment on marsh or vegetation.
- Remove pooled oil with sorbent pads and/or skimmer.
- Flush with low pressure water to herd oil to collection point.
- Burn only in localized areas, e.g., trenches, piles or windrows.
- Do not burn if root systems can be damaged (low water table).
- Minimize damage caused by equipment and excavation.

#### *On Water*

- Contain spill as close to release point as possible.
- Use containment boom to capture spill for recovery after vapours have dissipated.
- Use absorbent pads to capture small spills.
- Use skimmer for larger spills.

#### *On Ice and Snow*

- Build a containment berm around spill using snow.
- Remove spill using absorbent pads or particulate sorbent material.
- The contaminated ice and snow must be scraped and shovelled into plastic buckets with lids, 205 litre drums, and/or polypropylene bags.

#### *Storage and Transfer*

All contaminated water, ice, snow, soil, and clean up supplies will be stored in closed, labelled containers. All containers will be stored in a well ventilated area away from incompatible materials.

#### *Disposal*

Any contaminated material will be shipped from site, in appropriate containment, to an appropriate and approved facility. The DOE monitors the movement of hazardous wastes from generators, carriers to receivers, through a tracking document (Waste Manifest). A Waste Manifest will accompany all movements. North Country Gold is a registered waste generator.

## **GASOLINE AND JET B AVIATION FUEL**

Take action only if safety permits – stop the source flow if safe to do so and eliminate all ignition sources. Never smoke when dealing with these types of spills.

### *On Land*

- Build a containment berm using soil material or snow and place a plastic tarp at the foot of the berm for easy capture of the spill after all vapours have dissipated.
- Remove the spill by using absorbent pads or excavating the soil, gravel or snow.
- Remove spill splashed on vegetation using particulate absorbent material.
- Commence with the removal of any contaminate soil, gravel, or vegetation.
- Place contaminated material into drums for shipping off site.

### *On Muskeg*

- Do not deploy personnel and equipment on marsh or vegetation.
- Remove pooled gasoline or Jet B with sorbent pads and/or skimmer.
- Flush with low pressure water to herd oil to collection point.
- On advice from regulatory agencies, burn only in localized areas, e.g., trenches, piles or windrows.
- Do not burn if root systems can be damaged (low water table).
- Minimize damage caused by equipment and excavation.

### *On Water*

- Contain spill as close to release point as possible.
- Use containment boom to capture spill for recovery after vapours have dissipated.
- Use absorbent pads to capture small spills.
- Use skimmer for larger spills.

### *On Ice and Snow*

- Build a containment berm around spill using snow.
- Remove spill using absorbent pads or particulate sorbent material.
- The contaminated ice and snow must be scraped and shovelled into plastic buckets with lids, 205 litre drums, and/or polypropylene bags.

### *Storage and Transfer*

All contaminated water, ice, snow, soil, and clean up supplies will be stored in closed, labelled containers. All containers will be stored in a well ventilated area away from incompatible materials.

### *Disposal*

Any contaminated material will be shipped from site, in appropriate containment, to an appropriate and approved facility. The DOE monitors the movement of hazardous wastes from generators, carriers to receivers, through a tracking document (Waste Manifest). A Waste Manifest will accompany all movements. North Country Gold is a registered waste generator.

## PROPANE

Take action only if safety permits. Gases stored in cylinders can explode when ignited. Keep vehicles away from area. **Never smoke** when dealing with these types of spills.

### *On Land*

- Do not attempt to contain the propane release.

### *On Water*

- Do not attempt to contain the propane release.

### *On Ice and Snow*

- Do not attempt to contain the propane release.

### *General*

- It is not possible to contain vapours when released.
- Water spray can be used to knock down vapours if there is no chance of ignition.
- Small fires can be extinguished with dry chemical or CO<sub>2</sub>.
- Personnel should withdraw immediately from area unless a small leak is stopped immediately after it has been detected.
- If tanks are damaged, gas should be allowed to disperse and no recovery attempt should be made.
- Personnel should avoid touching release point on containers since frost forms very rapidly.
- Keep away from tank ends.

### *Storage and Transfer*

- It is not possible to contain vapours when released.

### *Disposal*

Any contaminated material will be shipped from site, in appropriate containment, to an appropriate and approved facility. The DOE monitors the movement of hazardous wastes from generators, carriers to receivers, through a tracking document (Waste Manifest). A Waste Manifest will accompany all movements. North Country Gold is a registered waste generator.

## CHEMICALS

Take action only if safety permits. Keep vehicles away from area. Assess the hazard of the spilled material. Refer to the MSDS sheets now. **Never smoke** when dealing with these types of spills.

Members of the emergency response team who might be susceptible in certain situations, (such as asthmatics, where fumes or airborne particles are evident), should be replaced with alternates.

1. Assemble the necessary safety equipment before response (e.g. Latex or other protective gloves, goggles, or safety glasses, masks or breathers, etc.)
2. Apply absorbents to soak up liquids.
3. Place plastic sheeting over solid chemicals, such as dusts and powders, to prevent their disbursement by wind or investigation by birds or other mammals.
4. Neutralize acids or caustics. Place spilled material and contaminated cleanup supplies in an empty refuge drum and seal for disposal.
5. Contact the 24-Hour Spill Line. Continue through the steps outlined in Section 5.

## 7.0 SPILL EQUIPMENT

NCG has installed high-density vinyl containment “insta-berms” at Hayes Camp for the main generator shed, the incinerator, the water pump (at the lake), the re-fueling area and approximately 20 individual berms for tent oil stove fuel drums. Fire extinguishers are provided in all the buildings, at the helicopter pads, the refueling area and the incinerator area, as well as any other area where flammable substances are stored and/or handled. Spill kits will be located at fuel caches, fueling stations, airstrip, and other locations where spills of hazardous substances could occur. All fuel caches will be stored within secondary containment.

### 7.1 SPILL KITS

Spill kits in bright blue or yellow 200 L containers include:

- Basic personal protective equipment including goggles and latex gloves,
- Absorbent materials including socks, pillows, pads and granular substances
- 50 sonic bonded pads 17"x19"x3/8"
- 4 socks 4' x 3" diameter
- 1 sphag sorb ¾ cu ft.
- 1 plug-it sealing compound 500 ml
- 1 pair nitrile gloves large
- 2 pillows 18"x18"
- Large 36"x52" lettered plastic bags for containing and transferring (for disposal) contaminated sorbent materials.

Also on-site are the following:

- 2 rolls of absorbent matting 38"x144'
- 2 packs (100's) of enviro matting 16"x20"
- 4 shovels (min)
- 6 (min) empty 45 gal. Drums for storing contaminated soil for disposal

Spill kits are located at the following locations: see also figure 1.

- Camp fuel cache
- Helicopter/fixed wing fuel cache
- Generator shack
- Core shack generator
- Quansets
- Workshop in camp
- Reconnaissance caches and active drill sites

Additional sorbent materials for use at refueling sites for stoves and furnaces throughout camp are stored in the storage shelter, and at the drillers' storage and repair tent. Containment booms, absorbent materials, and extra insta-berms for use in responding to any spills are located in the storage shelter at Hayes.

A checklist of the required items for each spill response kit or equipment storage area will be provided. Spill response supplies will be checked against the lists on a quarterly basis and any deficiencies remedied immediately. The checklists will be reviewed whenever new chemicals are added to on-site activities to ensure that relevant spill cleanup supplies are present. MSDS for all the chemicals present in the vicinity of the spill kit will be kept near the kits, and will be updated as necessary to ensure that all MSDS data are up to date. The expiry dates of the MSDS will be tracked for every chemical present on site to help identify and replace those that are about to expire. MSDS are provided by the chemical suppliers. (See Appendix 2 for sample MSDS).



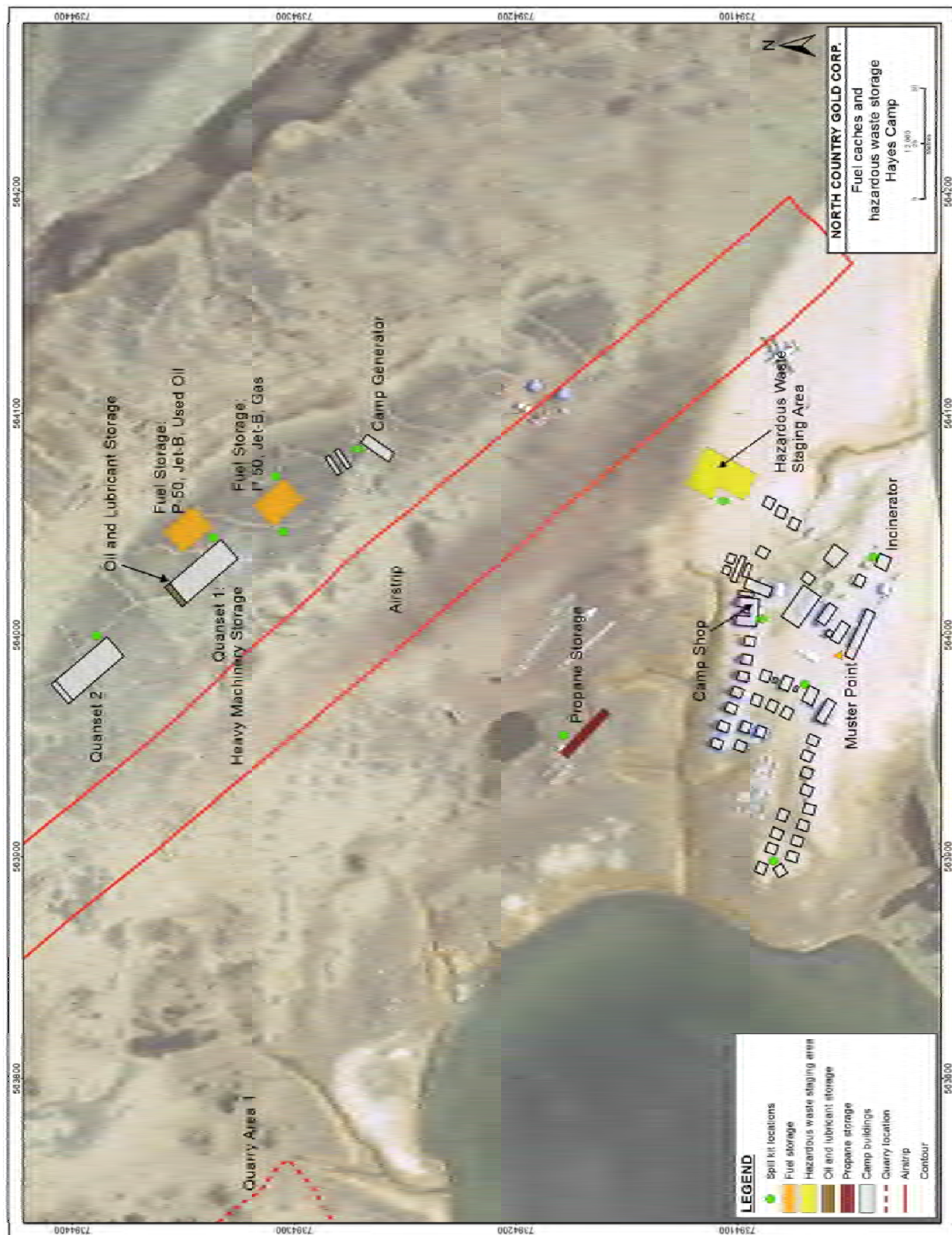


Figure 1. Spill kit locations.

## 8.0 TRAINING

To ensure the effectiveness of the Spill Prevention and Response Plan (SPRP), the Site Manager will be responsible for:

- Evaluating the training needs of all staff and contractors in terms of spill prevention and spill clean-up, and then ensuring that all staff are given appropriate required training;
- Completing an annual detailed review and update of the SPRP, with particular stress on the objectives and methods;
- Ensuring that the SPRP remains up-to-date, and that updated versions are distributed to the personnel on site, and external agencies, organizations and selected qualified external responders;
- Ensuring that updates to new emergency communications information (new phone numbers, changes in reporting structure, etc.) Are distributed as soon as the new information becomes available;
- Keeping a formal record of distribution and amendments to the SPRP;
- Ensuring that emergency spill response exercises and inspections are conducted at least semi-annually;
- Ensuring that the results of the regular inspections are used to improve spill response practices, and improve relevant plans accordingly.

### On-Site Personnel

A designated Emergency Response Team (ERT) consisting of on-site personnel will be established. North Country Gold Corp will ensure that the ERT is trained and present at all times. All members of the team will be trained and familiar with emergency and spill response resources, including their location and access, the SPRP, and appropriate emergency spill response methodologies. ERT training will be conducted annually to ensure that sufficient team members are present and to ensure that training is up to date.

The following training will be included:

- A review of the spill response plan and responsibilities of the ERT members;
- The nature, status, and location of fuel and chemical storage facilities;
- The on-site and off-site spill response equipment, and how to use it;
- Emergency contact lists;
- Desktop exercises of “worst case” scenarios, and;
- The likely causes and possible effects of spills.

All personnel and contractors at the project site will be familiar with spill reporting requirements. This will be ensured by conducting an orientation and training program on initial spill response procedures for all contractors and new personnel. Attendance will be tracked on site and re-training will be completed annually. Fuel-handling crews will be fully trained in the safe operation of the facilities, spill prevention techniques, and

initial spill response. These crews will be re-trained annually; retraining schedules will be tracked on site.

The Site Manager, will ensure that records of current training are retained, employee training expiry dates are tracked, and re-training is completed in a timely manner.

#### Contractors

Where pertinent, contractors will be required to have WHMIS, TDG and OSHA training as well as undergo site-specific health and safety training. Specialist responders will be expected to have technical environmental, health and safety training specific to their role as a qualified external contractor. NCG will request proof of qualifications for the areas external contractors are intended to support. All contractors working on site will be expected to complete site-specific training to ensure they are familiar with the risk and processes at the sites.

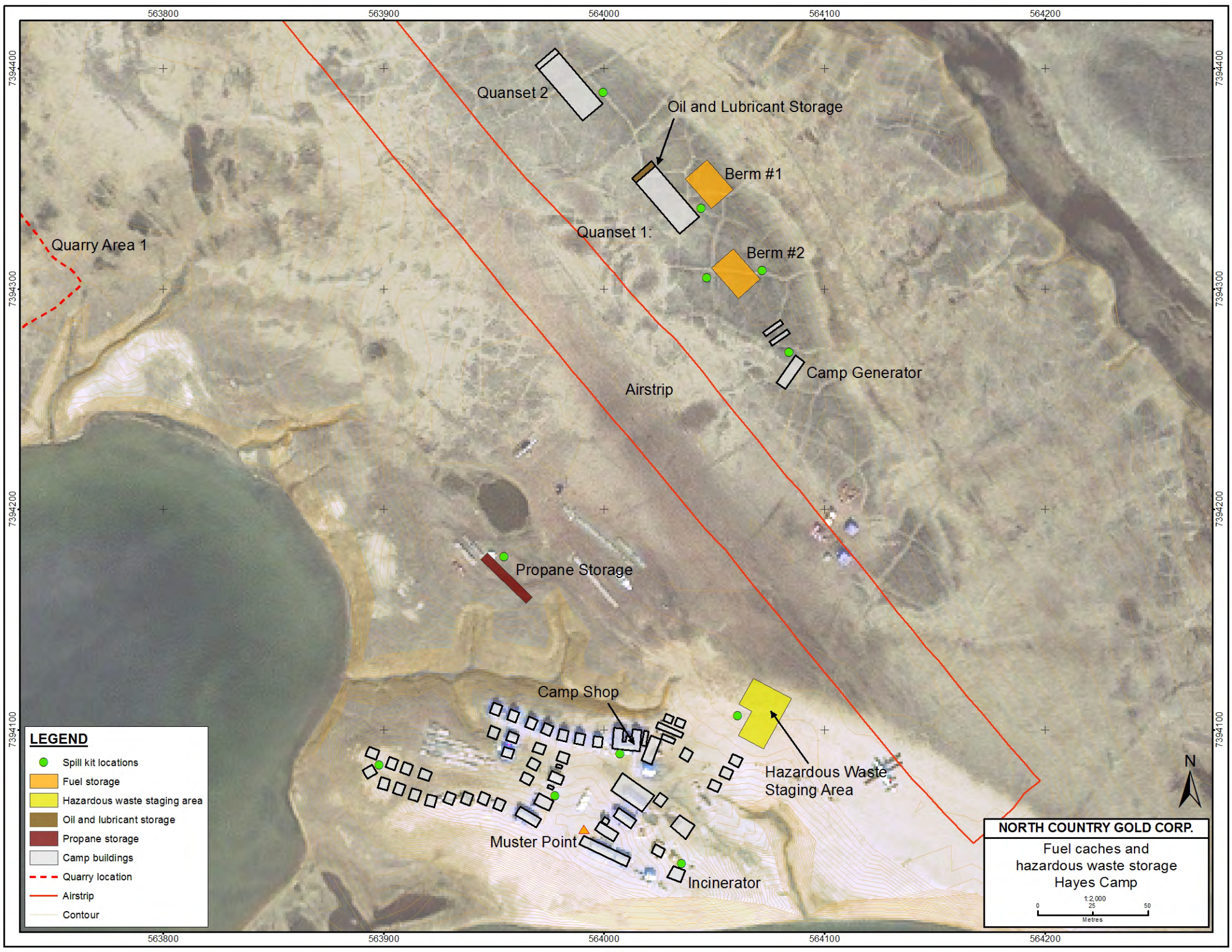
#### Practice Drills

North Country Gold is aware that without practice, no plan has value. At least one practice drill will be held per season to give personnel a chance to practice emergency response skills. Each practice will be evaluated and a report prepared with the objective of learning where gaps and deficiencies (either in skills or physical resources) exist, and in what areas more practice is required.

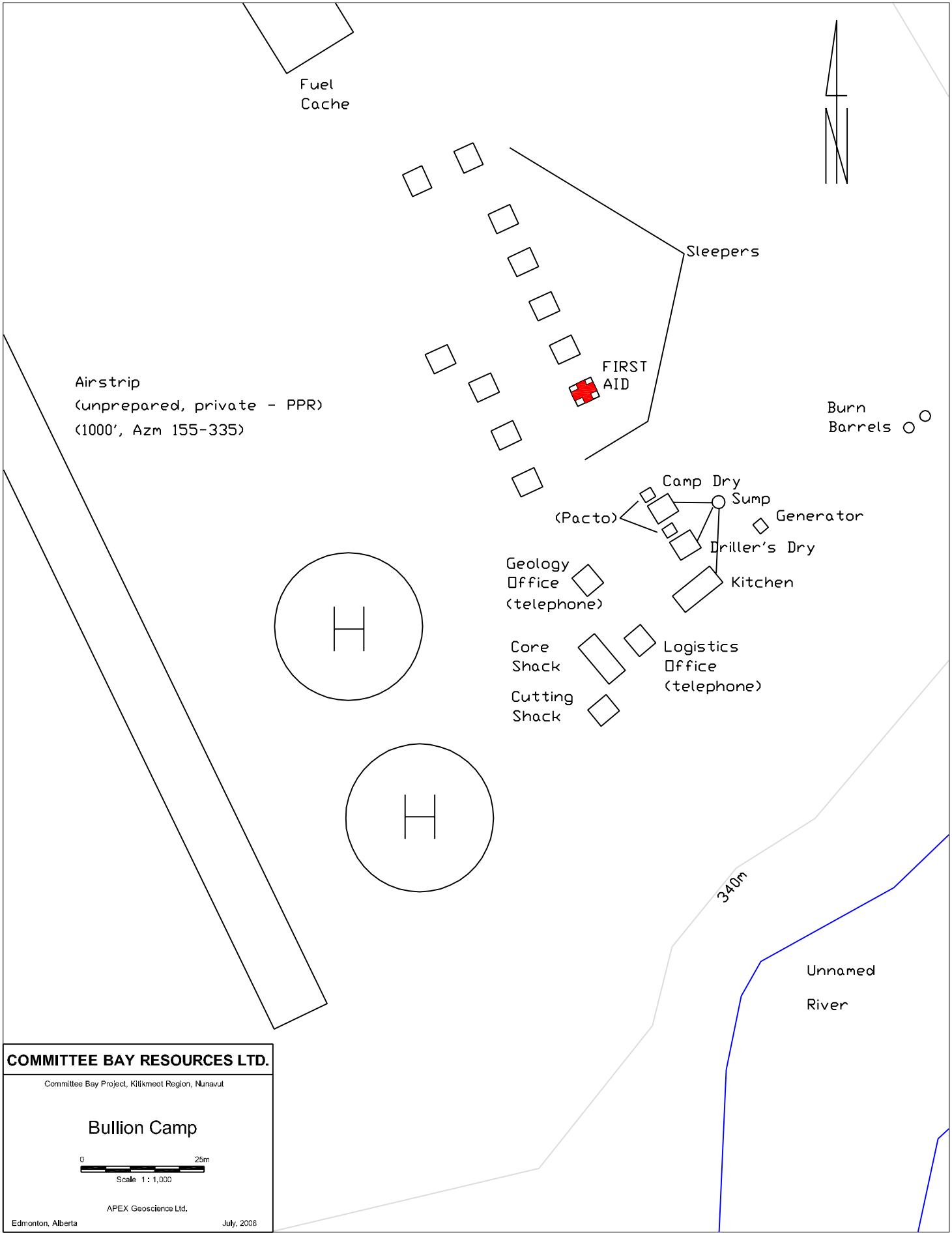
## Appendix I

### Camp Maps and Figures









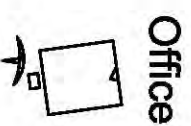
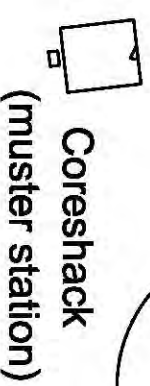
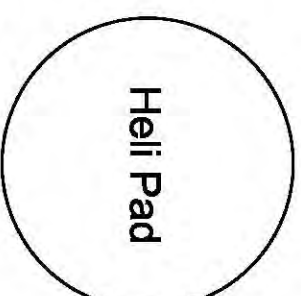
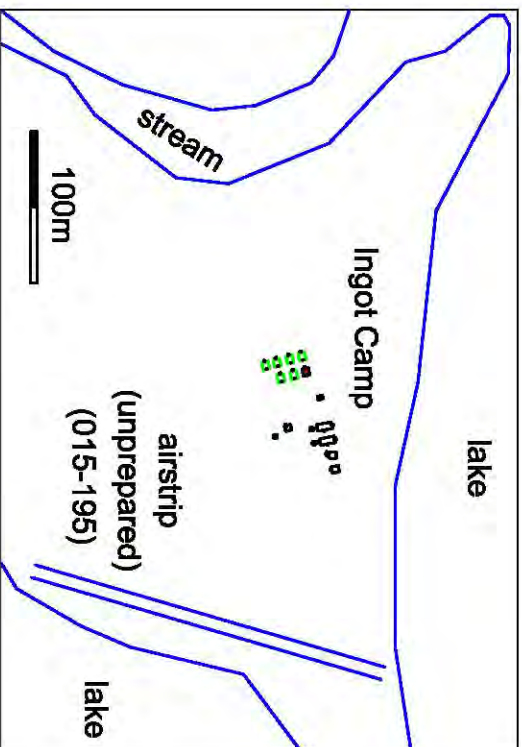
**COMMITTEE BAY RESOURCES LTD.**

Committee Bay Project, Kitikmeot Region, Nunavut

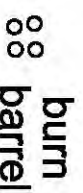
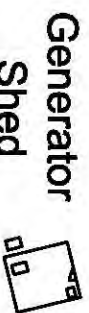
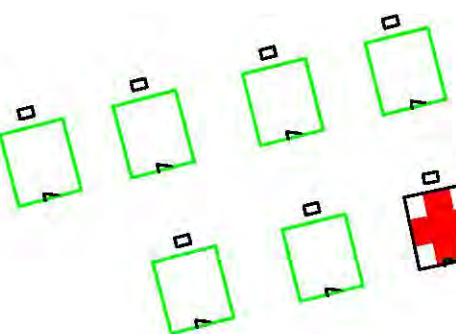
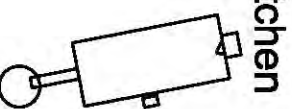
**Bullion Camp**

0 25m  
Scale 1 : 1,000

APEX Geoscience Ltd.  
Edmonton, Alberta July, 2006



(sumps)



**COMMITTEE BAY RESOURCES LTD.**

Kitikmeot Region, Nunavut, Canada

**Ingot Camp**



APEx Geoscience Ltd.  
Edmonton, AB March 2007

Appendix 2

MSDS

CD provided



MSDS Name	UN #	TDG Class	WHMIS Class
DURON SYNTHETIC 0W-30	n/a	Not regulated	Not controlled
2-CYCLE MOTOR OIL	n/a	Not regulated	Not controlled
15W40 MOTOR OIL	n/a	Not regulated	Not controlled
550X POLYMER	n/a	Not regulated	Not controlled
ANTIFREEZE	n/a	Not regulated	Not controlled
AUTOMATIC TRANSMISSION FLUID	n/a	Not regulated	Not controlled
AVIATION GASOLINE	UN1203	3	B-2, D-2B
BARIMOL HEAVY GREASE	n/a	Not regulated	Not controlled
BIG BEAR ROD GREASE	n/a	Not regulated	Not controlled
BLEACH	UN1791	8	E
BRAKE FLUID	n/a	Not regulated	D-2, B
BUTANE	UN1011	2.1	A, B-1
CALCIUM CHLORIDE	n/a	Not regulated	Not controlled
DIESEL	UN1202	3	B-3, D-2B
DIESEL FUEL CONDITIONER	UN1993	3	B2, D2B, D2A
DRILL ROD HEAVY GREASE	n/a	Not regulated	Not controlled
DURATRAN XL	n/a	Not regulated	Not controlled
FAST ORANGE	n/a	Not regulated	Not controlled
FLUID OILS	n/a	Not regulated	Not controlled
FUEL	UN1203	3	B-2, D-2B
FUEL OIL	UN1202	3	B-3, D-2B
GASLINE ANTIFREEZE	UN1219	3	B-2, D-2B
GASOLINE	UN1203	3	B-2, D-2A
G-STOP	n/a	Not regulated	Not controlled
HCl	UN1789	8	D-2A, E
HELIUM COMPRESSED	UN1046	2.2	A
JETB	UN1863	3	B-2, D-2A, D-2B
KEROSENE	UN1223	3	B-3, D-2B
LINSEED SOAP	n/a	Not regulated	Not controlled
METHL HYDRATE	UN1230	3, 6.1	B-2, D-1B, D-2A, D-2B
OFF BUG SPRAY	UN1950	2.1	Not controlled
OIL GATOR	n/a	Not regulated	Not controlled
PALMOLIVE DISH SOAP	n/a	Not regulated	Not controlled
POLY DRILL	n/a	Not regulated	Not controlled
POWER STEERING FLUID	n/a	Not regulated	Not controlled
PROPANE	UN1075	2.1	A, B-1
PURELL HAND SANITIZER	UN1170	3	B
STOVE OIL	UN1202	3	B-3, D-2B
Z-50	n/a	Not regulated	Not controlled

## Appendix 3

### Spill Report Forms



Canada

# NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR		REPORT TIME		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____	
	OCCURRENCE DATE: MONTH – DAY – YEAR		OCCURRENCE TIME				
C	LAND USE PERMIT NUMBER (IF APPLICABLE)			WATER LICENCE NUMBER (IF APPLICABLE)			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION				REGION <input type="checkbox"/> NWT <input type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES                      MINUTES                      SECONDS			LONGITUDE DEGREES                      MINUTES                      SECONDS			
F	RESPONSIBLE PARTY OR VESSEL NAME		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION				
G	ANY CONTRACTOR INVOLVED		CONTRACTOR ADDRESS OR OFFICE LOCATION				
H	PRODUCT SPILLED		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER		
	SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER		
I	SPILL SOURCE		SPILL CAUSE		AREA OF CONTAMINATION IN SQUARE METRES		
J	FACTORS AFFECTING SPILL OR RECOVERY		DESCRIBE ANY ASSISTANCE REQUIRED		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS						
L	REPORTED TO SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLING FROM	TELEPHONE		
M	ANY ALTERNATE CONTACT	POSITION	EMPLOYER	ALTERNATE CONTACT LOCATION	ALTERNATE TELEPHONE		

## REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLED	REPORT LINE NUMBER
		STATION OPERATOR		YELLOWKNIFE, NT	(867) 920-8130
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
AGENCY		CONTACT NAME	CONTACT TIME	REMARKS	
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					

# Spill Report

*Oil, gasoline, chemicals and other hazardous materials*



Report Date: \_\_\_\_\_

Report Time: \_\_\_\_\_

Spill Date: \_\_\_\_\_

Spill Time: \_\_\_\_\_

Location of Spill: *(Include description and coordinates)*

---

---

Responsible Party:

---

Product Spilled:

Quantity: *(Litres)*

---

Spill Source:

---

Spill Cause:

---

Area of Contamination: *(m x m x depth)*

---

---

Did any contaminant enter a water source?

Yes ☐

No ☐

If yes, explain where

---

Immediate actions taken to address spill:

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Additional Information:

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Reported by: \_\_\_\_\_

Date: \_\_\_\_\_

## Remediation Plan

*Oil, gasoline, chemicals and other hazardous materials*



Material Spilled: \_\_\_\_\_

Remediation action plan:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Date remediation to be completed by:

Remediation completed by whom?:

Inspected by:

Approved:	Yes	
	No	

Comments:

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## Appendix 4

### Daily Fuel Inspection Report



# Fuel Inspection Report



Inspection completed by: \_\_\_\_\_ Signed: \_\_\_\_\_

Date: \_\_\_\_\_

**\*\*Any leaks/spills to be reported and rectified immediately\*\***

	Fuel type stored	Drums (Evidence of Leaks) <i>If yes, where?</i>	Drums (Evidence of Corrosion) <i>If yes, where?</i>	All fuel/oil in secondary containment	Condition of secondary containment <i>(Rips, holes, water etc.)</i>	Spill Kit/ Fire Extinguisher present	Appropriate Signage present	MSDS Sheets present	Comments
<b>HAYES CAMP</b>									
Berm #1									
Berm #2									
Berm #3									
Berm #4									
Fueling Station									
Quanset #1									
Quanset #2									
Bulk Tank									
Power Plant (Generators)									
General tent inspection									

<b>DRILL WATER SYSTEM</b>									
Pump									
Boiler									
East Tank									

<b>DRILL GRID</b>									
Berm #1									
Berm #2									
Berm #3									

*Additional Comments:* \_\_\_\_\_

# Fuel Inspection Report



**\*\*Any leaks/spills to be reported and rectified immediately\*\***

Inspection completed by: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

	Fuel type stored	Drums (Evidence of Leaks) <i>If yes, where?</i>	Drums (Evidence of Corrosion) <i>If yes, where?</i>	All fuel/oil in secondary containment	Condition of secondary containment <i>(Rips, holes, water etc.)</i>	Spill Kit/ Fire Extinguisher present	Appropriate Signage present	MSDS Sheets present	Comments
<b>RANKIN INLET</b>									
Berm #1									

*Additional Comments:*

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## **Appendix 6**

2012 Wildlife Observation Forms

**Incidental Wildlife Sighting / Sign Form**  
(please fill in as much information as possible)



**NORTH COUNTRY GOLD**  
NCG: TSX-V

(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

**1. What was sighted?**

a. Species sighted: Caribou  
(see Common Species List on reverse)

b. How many in each group?:

<b>Age</b>	<b>Sex</b>
<input checked="" type="checkbox"/> Adult	<input checked="" type="checkbox"/> Male
<input type="checkbox"/> Sub-Adult	<input type="checkbox"/> Female
<input type="checkbox"/> Yearling / newborn	<input type="checkbox"/> Unknown
<input type="checkbox"/> Unknown	

**2. When was the sighting?**

a. Date (MM/DD/YY): 8 August

b. Time (exact or approximate): 1500.

<input checked="" type="checkbox"/> Day	<input type="checkbox"/> Night	<input type="checkbox"/> Dusk	<input type="checkbox"/> Dawn
---	--------------------------------	-------------------------------	-------------------------------

c. Description (e.g. any notes on species, size, color, antlers, etc.): Big male caribou.

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

walking and eating on NW end of camp airstrip. (Hayes)

e. Was the individual / group sighted over a period of time? ☒ Yes ☐ No If so, for how long? couple of days

f. Was any action taken? ☐ Yes ☒ No If so, what? \_\_\_\_\_

**3. Where was the sighting?**

a. GPS Coordinates: Hayes camp NW airstrip b. Datum: \_\_\_\_\_

c. Was sighting within camp? ☒ Yes ☐ No d. If not, how far from camp boundary? \_\_\_\_\_

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was travelling:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**4. Weather Conditions:**

<b>Snowfall</b>	<input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy	<b>Rainfall</b>	<input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy
<b>Wind</b>	<input type="checkbox"/> Breeze <input type="checkbox"/> Moderate <input type="checkbox"/> Strong	<b>Sky</b>	<input type="checkbox"/> Clear Sky <input type="checkbox"/> Partly Cloudy <input type="checkbox"/> Overcast

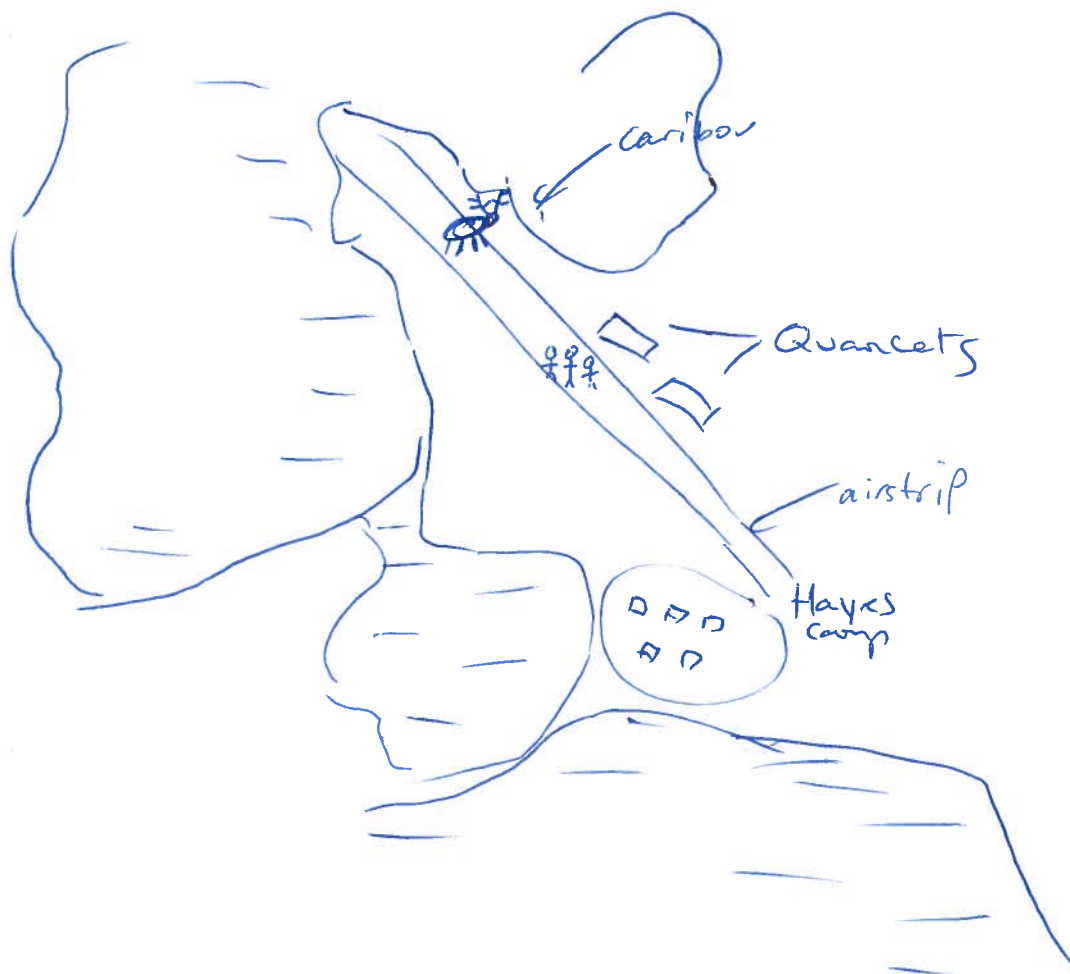
Recent Conditions: \_\_\_\_\_

f. Was a photo taken? ☐ Yes ☒ No  
Photo (file) name/number: \_\_\_\_\_

Observed by: Simone + Meredith + Peter Mc  
+ Eva Paul.

Illustration:

4N



(please indicate scale and north direction)

**Common Species:**

Ptarmigan  
Snowy Owl  
Falcon/Eagle  
Goose  
Duck  
Loon

Arctic Hare  
Sik Sik (Arctic Ground Squirrel)  
Lemming

Caribou  
Musk Ox

Fox  
Wolverine  
Arctic Wolf  
Bear  
(Polar or Barren-lands Grizzly)

**Additional Information / Description of Wildlife "Sign":** \_\_\_\_\_

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# Incidental Wildlife Sighting / Sign Form

(please fill in as much information as possible)



(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

## 1. What was sighted?

a. Species sighted: Caribou  
(see Common Species List on reverse)

b. How many in each group?:

Age		Sex	
<input checked="" type="checkbox"/> Adult		<input checked="" type="checkbox"/> Male	
<input type="checkbox"/> Sub-Adult		<input type="checkbox"/> Female	
<input type="checkbox"/> Yearling / newborn		<input type="checkbox"/> Unknown	
<input type="checkbox"/> Unknown			

## 2. When was the sighting?

a. Date (MM/DD/YY): August 2/12

b. Time (exact or approximate): 10am

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Day	Night	Dusk	Dawn

c. Description (e.g. any notes on species, size, color, antlers, etc.): Male w large antlers.

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

Lying down at end of runway.

e. Was the individual / group sighted over a period of time? ☐ Yes ☒ No If so, for how long? \_\_\_\_\_

f. Was any action taken? ☐ Yes ☒ No If so, what? \_\_\_\_\_

## 3. Where was the sighting?

a. GPS Coordinates: \_\_\_\_\_ b. Datum: \_\_\_\_\_

c. Was sighting within camp? ☒ Yes ☐ No d. If not, how far from camp boundary? \_\_\_\_\_

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was traveling:

At NW. end of runway.

## 4. Weather Conditions:

Snowfall	<input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy	Rainfall	<input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy
Wind	<input type="checkbox"/> Breeze <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Strong	Sky	<input type="checkbox"/> Clear Sky <input type="checkbox"/> Partly Cloudy <input checked="" type="checkbox"/> Overcast

Recent Conditions: \_\_\_\_\_

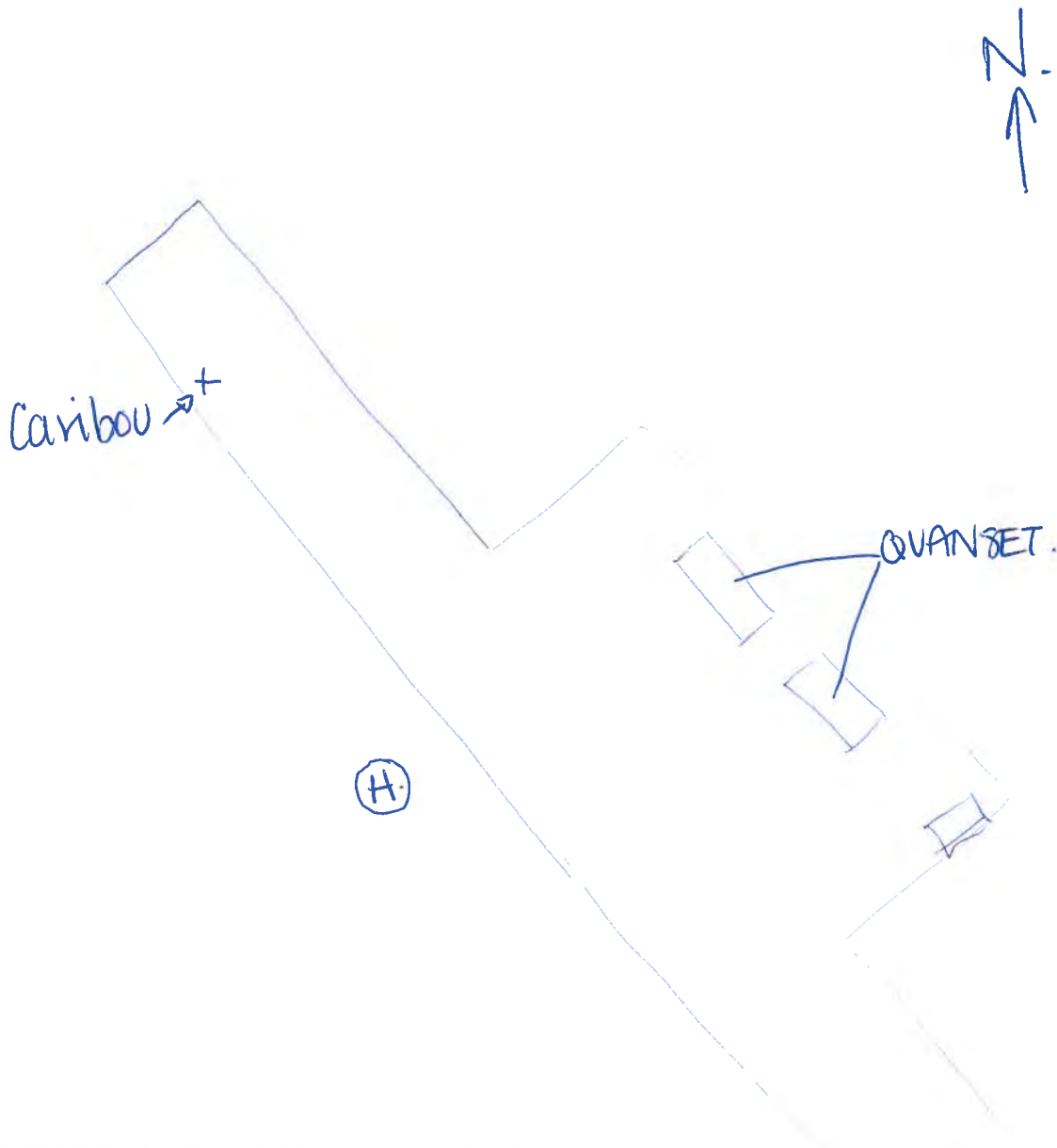
f. Was a photo taken? ☐ Yes ☒ No

Photo (file) name/number: \_\_\_\_\_

Observed by: Meredith



Illustration:



(please indicate scale and north direction)

**Common Species:**

Ptarmigan  
Snowy Owl  
Falcon/Eagle  
Goose  
Duck  
Loon

Arctic Hare  
Sik Sik (Arctic Ground Squirrel)  
Lemming

Caribou  
Musk Ox

Fox  
Wolverine  
Arctic Wolf  
Bear  
(Polar or Barren-lands Grizzly)

**Additional Information / Description of Wildlife "Sign":** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Incidental Wildlife Sighting / Sign Form**  
(please fill in as much information as possible)



(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

**1. What was sighted?**

a. Species sighted: Caribou  
(see Common Species List on reverse)

b. How many in each group?:

Age		Sex	
<input checked="" type="checkbox"/>	Adult	<input type="checkbox"/>	Male
<input type="checkbox"/>	Sub-Adult	<input type="checkbox"/>	Female
<input type="checkbox"/>	Yearling / newborn	<input checked="" type="checkbox"/>	Unknown
<input type="checkbox"/>	Unknown		

**2. When was the sighting?**

a. Date (MM/DD/YY): July 22nd 2012

b. Time (exact or approximate): 6:10 AM

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Day	Night	Dusk	Dawn

c. Description (e.g. any notes on species, size, color, antlers, etc.): 4 legs 2 horns, brown grey

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

Looked at me. when I started walking it ran behind a building.

e. Was the individual / group sighted over a period of time? ☐ Yes ☒ No If so, for how long? \_\_\_\_\_

f. Was any action taken? ☐ Yes ☒ No If so, what? \_\_\_\_\_

**3. Where was the sighting?**

a. GPS Coordinates: Hayes Camp. medic tent

b. Datum: \_\_\_\_\_

c. Was sighting within camp? ☒ Yes ☐ No

d. If not, how far from camp boundary? \_\_\_\_\_

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was traveling:

on hill next to cooks tent.

**4. Weather Conditions:**

Snowfall	<input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy	Rainfall	<input checked="" type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy
Wind	<input checked="" type="checkbox"/> Breeze <input type="checkbox"/> Moderate <input type="checkbox"/> Strong	Sky	<input type="checkbox"/> Clear Sky <input type="checkbox"/> Partly Cloudy <input checked="" type="checkbox"/> Overcast

Recent Conditions: \_\_\_\_\_

f. Was a photo taken? ☐ Yes ☒ No

Photo (file) name/number: \_\_\_\_\_

Observed by: Auranne C. Duggleby

## Incidental Wildlife Sighting / Sign Form

(please fill in as much information as possible)



CBR Gold Corp

(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

### 1. What was sighted?

a. Species sighted: Wolf  
(see Common Species List on reverse)

b. How many in each group?: 5

Age		Sex	
<input checked="" type="checkbox"/>	Adult	<input type="checkbox"/>	Male
<input type="checkbox"/>	Sub-Adult	<input type="checkbox"/>	Female
<input type="checkbox"/>	Yearling / newborn	<input checked="" type="checkbox"/>	Unknown
<input type="checkbox"/>	Unknown		

### 2. When was the sighting?

a. Date (MM/DD/YY): 03/20/2012

b. Time (exact or approximate): 9:30 am



Day



Night



Dusk



Dawn

c. Description (e.g. any notes on species, size, color, antlers, etc.): Aggressive one was very large, others were average

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

They were positioning in a circle around us, aggressive one took chase as we retreated

e. Was the individual / group sighted over a period of time? ☐ Yes ☒ No If so, for how long? \_\_\_\_\_

f. Was any action taken? ☒ Yes ☐ No If so, what? went and checked with supervisor

### 3. Where was the sighting?

a. GPS Coordinates: \_\_\_\_\_

b. Datum: \_\_\_\_\_

c. Was sighting within camp? ☐ Yes ☒ No

d. If not, how far from camp boundary? 2 km

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was traveling:

500 meters east end of runway

### 4. Weather Conditions:

Snowfall

☐  
☐  
☐

Light  
Moderate  
Heavy

Rainfall

☐  
☐  
☐

Light  
Moderate  
Heavy

Wind

☐  
☐  
☐

Breeze  
Moderate  
Strong

Sky

☒  
☐  
☐

Clear Sky  
Partly Cloudy  
Overcast

Recent Conditions: \_\_\_\_\_

f. Was a photo taken? ☐ Yes ☒ No

Photo (file) name/number: \_\_\_\_\_

Observed by: John Walker

# Incidental Wildlife Sighting / Sign Form

(please fill in as much information as possible)



CBR Gold Corp

(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

## 1. What was sighted?

a. Species sighted: wolf  
(see Common Species List on reverse)

b. How many in each group?:

Age		Sex	
<input checked="" type="checkbox"/> 2	Adult	<input type="checkbox"/>	Male
<input checked="" type="checkbox"/> 3	Sub-Adult	<input type="checkbox"/>	Female
<input type="checkbox"/>	Yearling / newborn	<input checked="" type="checkbox"/>	Unknown
<input type="checkbox"/>	Unknown		

## 2. When was the sighting?

a. Date (MM/DD/YY): 03/20/2017

b. Time (exact or approximate): 11:00am



Day



Night



Dusk



Dawn

c. Description (e.g. any notes on species, size, color, antlers, etc.): All 5 wolves were grey and white. There were two larger wolves that stayed on the outside of the line and the 3 smaller ones stayed in the middle

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

The wolves were hunting and displayed strategic movements. They were unaware of the skidoo and approached us.

e. Was the individual / group sighted over a period of time? ☒ Yes ☐ No If so, for how long? 1 day

f. Was any action taken? ☒ Yes ☐ No If so, what? each time the wolves were spotted near the camp an attempt was made to scare them off.

## 3. Where was the sighting?

a. GPS Coordinates: \_\_\_\_\_

b. Datum: NAD 83

c. Was sighting within camp? ☐ Yes ☒ No

d. If not, how far from camp boundary? ~ 2 km

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was traveling:

The pack was encountered ~ 500m past the East end of the runway. Upon closer inspection of the sight, it was noticed, by track evidence, that the wolves were following a caribou.

## 4. Weather Conditions:

Snowfall



Light



Moderate



Heavy

Rainfall



Light



Moderate



Heavy

Wind



Breeze



Moderate



Strong

Sky



Clear Sky



Partly Cloudy



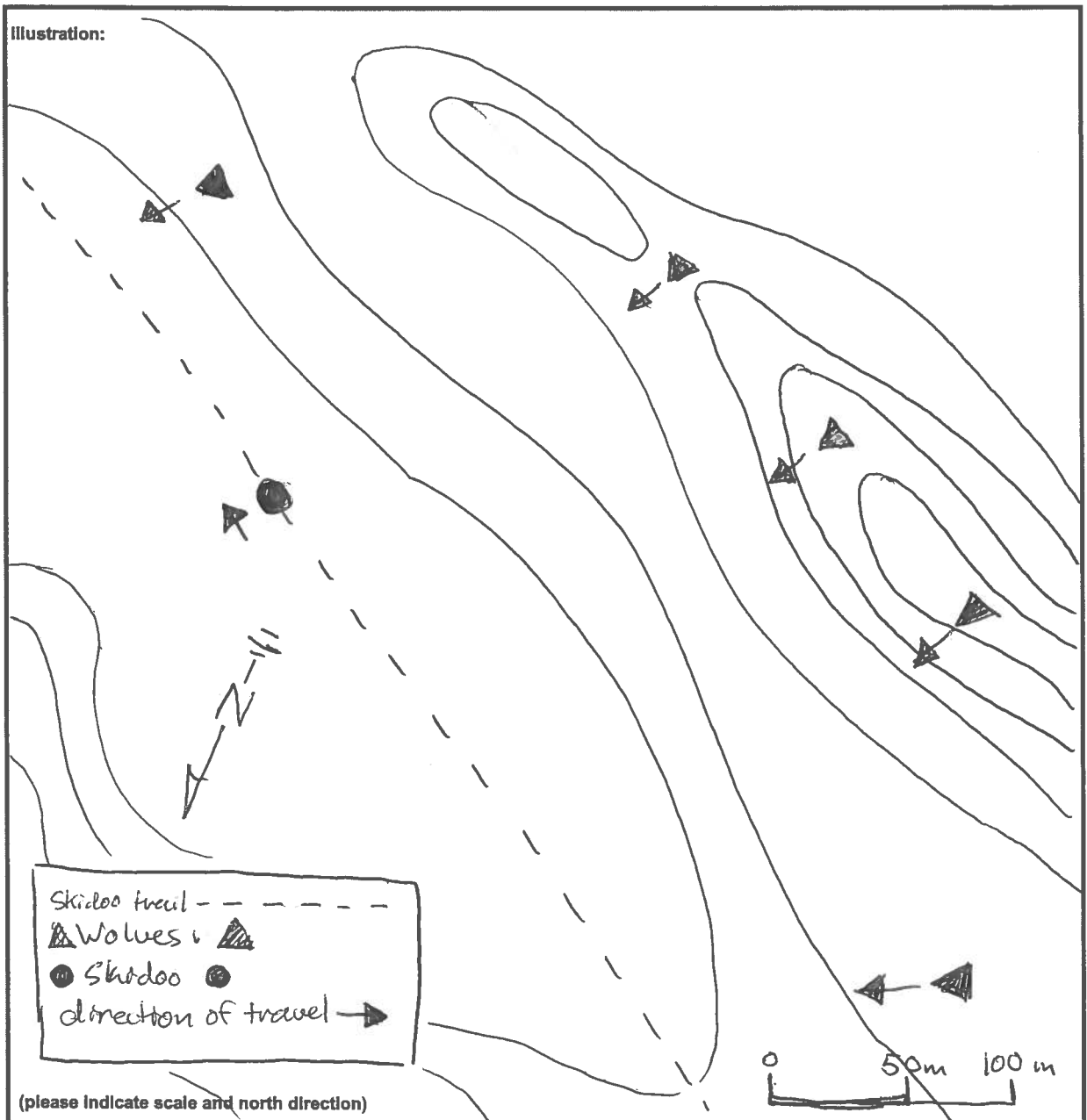
Overcast

Recent Conditions: \_\_\_\_\_

f. Was a photo taken? ☐ Yes ☒ No

Photo (file) name/number: \_\_\_\_\_

Observed by: Ian Forrest Gibson



Common Species:

Ptarmigan  
Snowy Owl  
Falcon/Eagle  
Goose  
Duck  
Loon

Arctic Hare  
Sik Sik (Arctic Ground Squirrel)  
Lemming

Caribou  
Musk Ox

Fox  
Wolverine  
Arctic Wolf  
Bear  
(Polar or Barren-lands Grizzly)

Additional Information / Description of Wildlife "Sign": The wolves were spotted frequently throughout the day. They displayed strategy and were in hunt mode. Lots of tracks were spotted always in conjunction with caribou tracks.

**Incidental Wildlife Sighting / Sign Form**  
(please fill in as much information as possible)



(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

**1. What was sighted?**

a. Species sighted: Caribou  
(see Common Species List on reverse)

b. How many in each group?: 6

**Age**

<input type="checkbox"/>	Adult
<input type="checkbox"/>	Sub-Adult
<input type="checkbox"/>	Yearling / newborn
<input type="checkbox"/>	Unknown

**Sex**

<input type="checkbox"/>	Male
<input type="checkbox"/>	Female
<input checked="" type="checkbox"/>	Unknown

**2. When was the sighting?**

a. Date (MM/DD/YY): 03/25/2012

b. Time (exact or approximate): 1400

<input checked="" type="checkbox"/>
Day

<input type="checkbox"/>
Night

<input type="checkbox"/>
Dusk

<input type="checkbox"/>
Dawn

c. Description (e.g. any notes on species, size, color, antlers, etc.): \_\_\_\_\_

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

Running

e. Was the individual / group sighted over a period of time? ☐ Yes ☒ No If so, for how long? \_\_\_\_\_

f. Was any action taken? ☐ Yes ☒ No If so, what? \_\_\_\_\_

**3. Where was the sighting?**

a. GPS Coordinates: \_\_\_\_\_

b. Datum: \_\_\_\_\_

c. Was sighting within camp? ☐ Yes ☒ No

d. If not, how far from camp boundary? \_\_\_\_\_

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was traveling:

OFF of the  
trail on route  
to the bridge

**4. Weather Conditions:**

Snowfall

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Light

Moderate

Heavy

Rainfall

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Light

Moderate

Heavy

Wind

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Breeze

Moderate

Strong

Sky

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Clear Sky

Partly Cloudy

Overcast

Recent Conditions: \_\_\_\_\_

f. Was a photo taken? ☐ Yes ☒ No

Photo (file) name/number: \_\_\_\_\_

Observed by: \_\_\_\_\_



# Incidental Wildlife Sighting / Sign Form

(please fill in as much information as possible)



(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

## 1. What was sighted?

a. Species sighted: Arctic Wolves  
(see Common Species List on reverse)

b. How many in each group?:

Age		Sex	
<input checked="" type="checkbox"/> 2	Adult	<input type="checkbox"/>	Male
<input checked="" type="checkbox"/> 3	Sub-Adult	<input type="checkbox"/>	Female
<input type="checkbox"/>	Yearling / newborn	<input checked="" type="checkbox"/>	Unknown
<input type="checkbox"/>	Unknown		

## 2. When was the sighting?

a. Date (MM/DD/YY): 03/20/2012

b. Time (exact or approximate):

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Day	Night	Dusk	Dawn

c. Description (e.g. any notes on species, size, color, antlers, etc.): 5 arctic wolves; 2 large adult and 3 young med size - 1 dark fur, almost black. Other 4 were grey/beige

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

Tracks indicate that they were circling our areas on the grid. Did not appear intimidated by us on snowmobile.

e. Was the individual / group sighted over a period of time? ☒ Yes ☐ No If so, for how long? 4 hours

f. Was any action taken? ☒ Yes ☐ No If so, what? 2 guys on skidoo cornered them into tight pack and chased

## 3. Where was the sighting?

a. GPS Coordinates: \_\_\_\_\_ b. Datum: \_\_\_\_\_

c. Was sighting within camp? ☐ Yes ☒ No d. If not, how far from camp boundary? 1-5 miles

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was traveling:

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## 4. Weather Conditions:

Snowfall	<input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy	Rainfall	<input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy
Wind	<input checked="" type="checkbox"/> Breeze <input type="checkbox"/> Moderate <input type="checkbox"/> Strong	Sky	<input checked="" type="checkbox"/> Clear Sky <input type="checkbox"/> Partly Cloudy <input type="checkbox"/> Overcast

Recent Conditions: \_\_\_\_\_

f. Was a photo taken? ☐ Yes ☒ No

Photo (file) name/number: \_\_\_\_\_

Observed by: Kaveh Bajgiran / Isaac Tavalok

**Incidental Wildlife Sighting / Sign Form**  
(please fill in as much information as possible)



(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

**1. What was sighted?**

a. Species sighted: Arctic Wolf  
(see Common Species List on reverse)

b. How many in each group?:

Age		Sex	
<input checked="" type="checkbox"/> 3	Adult	<input type="checkbox"/>	Male
<input type="checkbox"/>	Sub-Adult	<input type="checkbox"/>	Female
<input type="checkbox"/>	Yearling / newborn	<input checked="" type="checkbox"/>	Unknown
<input type="checkbox"/>	Unknown		

**2. When was the sighting?**

a. Date (MM/DD/YY): 04/07/2012

b. Time (exact or approximate): 11:45



c. Description (e.g. any notes on species, size, color, antlers, etc.): Medium sized wolves on knoll by ice road. Two wolves descended and one disappeared behind knoll. The remaining two came down to the road and slowly made their way North.

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

The wolves were aware of our presence and uninterested. They headed towards where a large herd of caribou had been sighted.

e. Was the individual / group sighted over a period of time? ☒ Yes ☐ No If so, for how long? 10 min

f. Was any action taken? ☒ Yes ☐ No If so, what? Sat quietly and observed them carried on down the road.

**3. Where was the sighting?**

a. GPS Coordinates: 15W 0564557 7391161

b. Datum: NAD 83

c. Was sighting within camp? ☐ Yes ☒ No

d. If not, how far from camp boundary? ~ 3.5 km

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was traveling:

The wolves were originally sighted cresting a small knoll on the West side of the ice road. They descended to the road and followed it North.

**4. Weather Conditions:**

Snowfall ☐ Light  
☒ Moderate  
☐ Heavy

Rainfall ☐ Light  
☐ Moderate  
☐ Heavy

Wind ☐ Breeze  
☒ Moderate  
☐ Strong

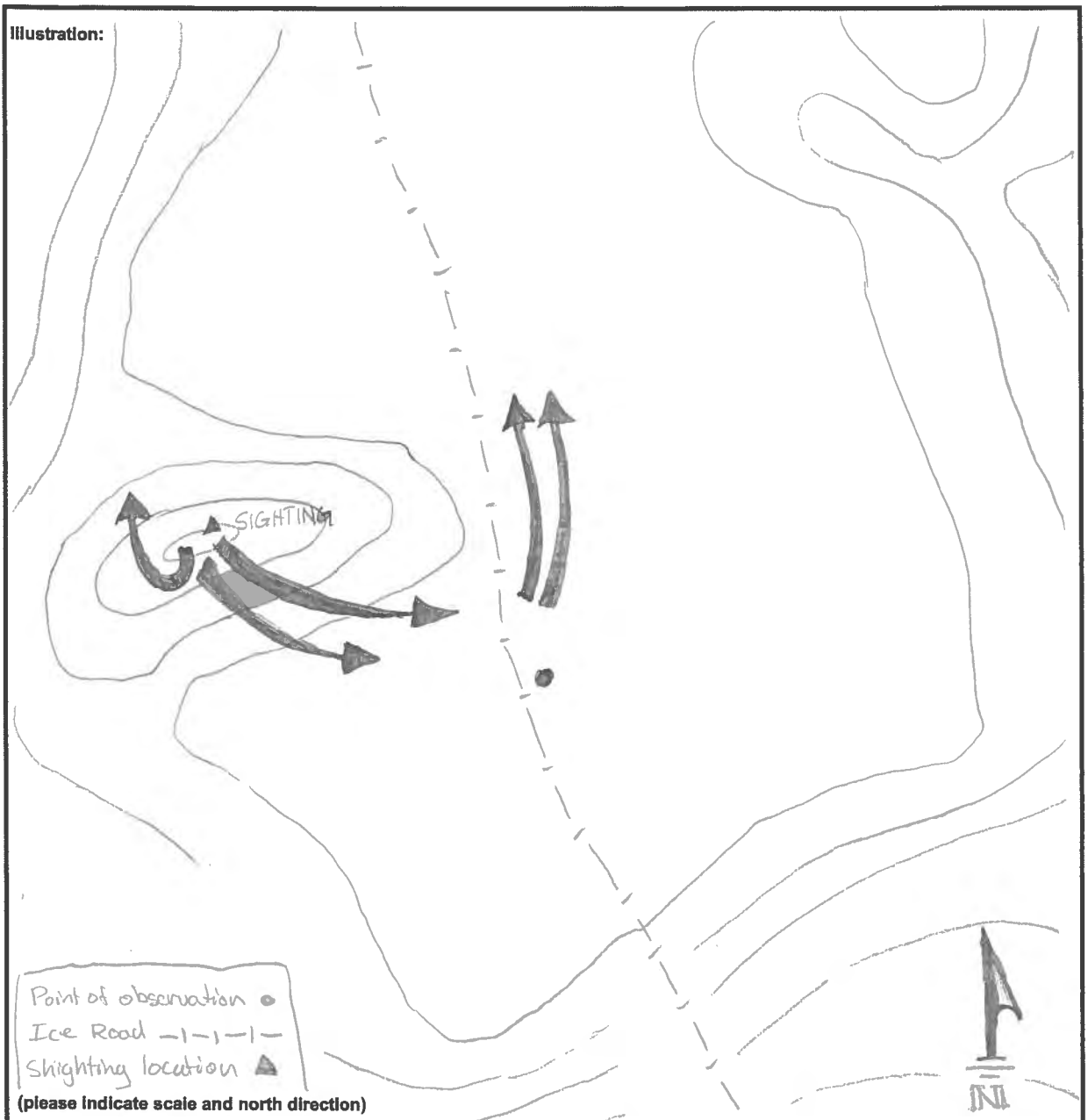
Sky ☐ Clear Sky  
☐ Partly Cloudy  
☒ Overcast

Recent Conditions: Fog and snow  
low visibility

f. Was a photo taken? ☐ Yes ☒ No

Photo (file) name/number: \_\_\_\_\_

Observed by: Ian Gibson



**Common Species:**

Ptarmigan  
Snowy Owl  
Falcon/Eagle  
Goose  
Duck  
Loon

Arctic Hare  
Sik Sik (Arctic Ground Squirrel)  
Lemming

Caribou  
Musk Ox

Fox  
Wolverine  
Arctic Wolf  
Bear  
(Polar or Barren-lands Grizzly)

Additional Information / Description of Wildlife "Sign": I had previously seen a herd of 48 caribou. I imagine the wolves were following the herd because they went in the direction the herd was last seen.

## Incidental Wildlife Sighting / Sign Form

(please fill in as much information as possible)



(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

### 1. What was sighted?

a. Species sighted: CANIBOU  
(see Common Species List on reverse)

b. How many in each group?:

Age		Sex	
<input type="checkbox"/>	Adult	<input type="checkbox"/>	Male
<input type="checkbox"/>	Sub-Adult	<input type="checkbox"/>	Female
<input type="checkbox"/>	Yearling / newborn	<input type="checkbox"/>	Unknown
<input type="checkbox"/>	Unknown		

### 2. When was the sighting?

a. Date (MM/DD/YY): APR 05 / 2012

b. Time (exact or approximate): 1400 hrs



Day



Night



Dusk



Dawn

c. Description (e.g. any notes on species, size, color, antlers, etc.): GROUP OF ABOUT 30  
ANIMALS - ABOUT 2 MILES AWAY - MOVING N.W.

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

e. Was the individual / group sighted over a period of time? ☐ Yes ☒ No If so, for how long? \_\_\_\_\_

f. Was any action taken? ☐ Yes ☒ No If so, what? \_\_\_\_\_

### 3. Where was the sighting?

a. GPS Coordinates: S.W. OF Camp.

b. Datum: \_\_\_\_\_

c. Was sighting within camp? ☐ Yes ☒ No

d. If not, how far from camp boundary? 3 miles +

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was traveling:

HERD WAS MOVING UP  
A HILLSIDE IN SINGLE FILE

### 4. Weather Conditions:

Snowfall

☐  
☐  
☐

Light  
Moderate  
Heavy

Rainfall

☐  
☐  
☐

Light  
Moderate  
Heavy

Wind

☐  
☐  
☐

Breeze  
Moderate  
Strong

Sky

☒  
☐  
☐

Clear Sky  
Partly Cloudy  
Overcast

Recent Conditions: \_\_\_\_\_

f. Was a photo taken? ☐ Yes ☒ No

Photo (file) name/number: \_\_\_\_\_

Observed by: \_\_\_\_\_

# Incidental Wildlife Sighting / Sign Form

(please fill in as much information as possible)



CBR Gold Corp

(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

## 1. What was sighted?

a. Species sighted: Caribou  
(see Common Species List on reverse)

b. How many in each group?:

Age		Sex	
<u>30</u>	Adult	<u>?</u>	Male
<u>18</u>	Sub-Adult	<u>?</u>	Female
	Yearling / newborn		Unknown
	Unknown		

## 2. When was the sighting?

a. Date (MM/DD/YY): 04/07/2012

b. Time (exact or approximate): 11:32



Day



Night



Dusk



Dawn

c. Description (e.g. any notes on species, size, color, antlers, etc.): Large group of caribou ~ 48 individuals all seemed in good condition. They were sighted

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

The herd was seen twice, both times they were running. The first time sighted they ran over the ridge and then turned and ran back.

e. Was the individual / group sighted over a period of time? ☒ Yes ☐ No If so, for how long? 20 min

f. Was any action taken? ☒ Yes ☐ No If so, what? Shut off my snowmachine and observed the animals.

## 3. Where was the sighting?

a. GPS Coordinates: <sup>15W</sup>0564754, 7392571 + <sup>15W</sup>0564523, 7391177

b. Datum: NAD 83

c. Was sighting within camp? ☐ Yes ☒ No

d. If not, how far from camp boundary? ~1.5 + 2.2 km

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was traveling:

The caribou descended from a ridge onto the flats of the lake. At this point the herd slowed and split into two groups and headed SW.

## 4. Weather Conditions:

Snowfall

☐  
☒  
☐

Light  
Moderate  
Heavy

Rainfall

☐  
☐  
☐

Light  
Moderate  
Heavy

Wind

☐  
☒  
☐

Breeze  
Moderate  
Strong

Sky

☐  
☐  
☒

Clear Sky  
Partly Cloudy  
Overcast

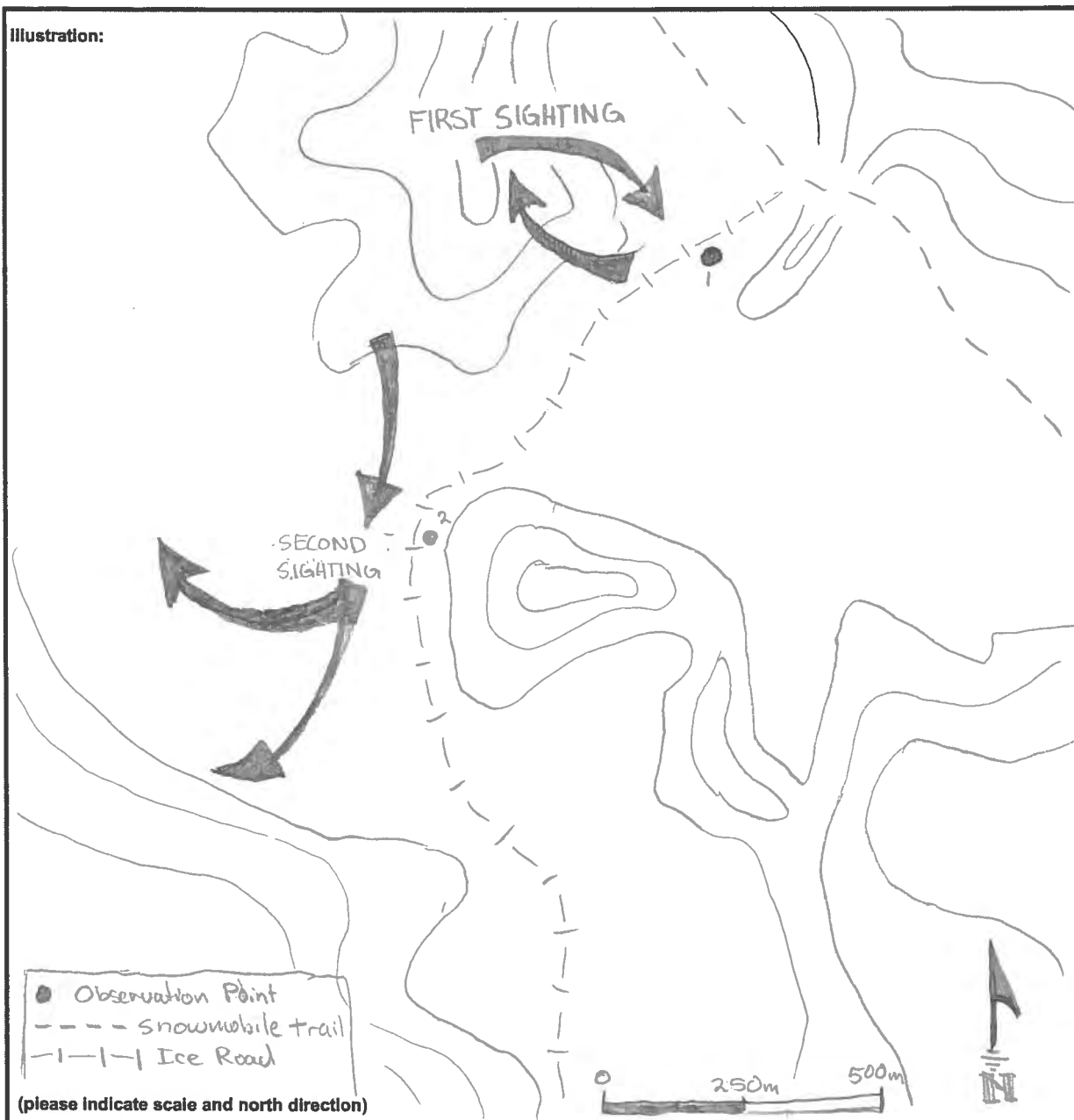
Recent Conditions: Fog and snowfall.

f. Was a photo taken? ☐ Yes ☒ No

Photo (file) name/number: \_\_\_\_\_

Observed by: Tan Gibson

Illustration:



Common Species:

Ptarmigan  
 Snowy Owl  
 Falcon/Eagle  
 Goose  
 Duck  
 Loon

Arctic Hare  
 Sik Sik (Arctic Ground Squirrel)  
 Lemming

Caribou  
 Musk Ox

Fox  
 Wolverine  
 Arctic Wolf  
 Bear  
 (Polar or Barren-lands Grizzly)

Additional Information / Description of Wildlife "Sign": The herd appeared to have been  
sprayed as indicated by their full out running. Once on the  
lake they appeared to calm and then move 1st + 5th  
to two different groups.

# Incidental Wildlife Sighting / Sign Form

(please fill in as much information as possible)



(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

## 1. What was sighted?

a. Species sighted: Caribou  
(see Common Species List on reverse)

b. How many in each group?: 18

Age		Sex	
<input checked="" type="checkbox"/>	Adult	<input checked="" type="checkbox"/>	Male
<input checked="" type="checkbox"/>	Sub-Adult	<input checked="" type="checkbox"/>	Female
<input checked="" type="checkbox"/>	Yearling / newborn	<input type="checkbox"/>	Unknown
<input type="checkbox"/>	Unknown		

## 2. When was the sighting?

a. Date (MM/DD/YY): 08/02/12

b. Time (exact or approximate): 3.30pm

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Day	Night	Dusk	Dawn

c. Description (e.g. any notes on species, size, color, antlers, etc.):

Cows and calves and one big bull

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

They walked up from the lake then ran down side

e. Was the individual / group sighted over a period of time? ☐ Yes ☒ No If so, for how long? 5min

f. Was any action taken? ☐ Yes ☒ No If so, what? \_\_\_\_\_

## 3. Where was the sighting?

a. GPS Coordinates: \_\_\_\_\_ b. Datum: \_\_\_\_\_

c. Was sighting within camp? ☒ Yes ☐ No d. If not, how far from camp boundary? \_\_\_\_\_

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was traveling:

South west of camp  
came up from lake  
and ran down runway

## 4. Weather Conditions:

Snowfall	<input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy	Rainfall	<input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy
Wind	<input type="checkbox"/> Breeze <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Strong	Sky	<input type="checkbox"/> Clear Sky <input checked="" type="checkbox"/> Partly Cloudy <input type="checkbox"/> Overcast

Recent Conditions: \_\_\_\_\_

f. Was a photo taken? ☐ Yes ☒ No

Photo (file) name/number: \_\_\_\_\_

Observed by: \_\_\_\_\_