

YMIP 13–18 Calder Creek Project

Final Report

Grant Allan

Target Evaluation YMIP 13-18: Calder Creek Project

Summary Report of work completed

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Project Information:

Location:

The target area evaluated is in the Dawson Mining District maps 115-O-14b on Calder Creek located approximately 30 km. SSE of Dawson City. Work was commenced in June on a 3 mile prospecting lease ID01067, and continued in September after the prospecting lease was broken into 25 placer claims CAL1- 25.

Access:

Via the Hunker Rd., Quartz Creek Rd. and the Calder Creek Rd. the distance is about 75 km. Longitude is 139 degrees, 10 minutes, 11 seconds west; latitude is 63 degrees, 48 minutes, 13 seconds north. Alternate route is up Bonanza Creek Rd. to Eldorado Creek Rd., up Chief Gulch over the ridge to the top of Calder Creek, then down the Calder Creek Rd. Part of this route is a 4 x 4 or ATV trail and is sometimes difficult to travel. In the winter access is via snowmobile.

Deposit type and geology:

Deposit type being looked for is a placer gold deposit, which could be eroded from ancient river channels in part and from locally eroded hard rock deposits. The Lease is on an unglaciated south facing slope with little or no outcrop. It is underlain by Klondike schist, a Permian aged felsic to mafic metavolcanic/metasedimentary unit. There are younger felsics to mafic dykes in the area. Klondike Gold has found hard rock gold deposits in the Klondike that is likely some of the sources of placer gold in the Klondike. Some gold bearing faults trend in a NNW to SSE direction from the Eldorado watershed towards the Calder Creek watershed.

Topography and Vegetation:

Topographic relief is relatively moderate, 600 ft. from the valley bottom to the ridges on each side. In the valley there is permafrost, swamps with scrub spruce and dwarf birch.

History and background:

Research was done at the Archives and on line from assessment reports and elsewhere.. There is little information on work done on Calder Creek. Zeke Olgilvie reportedly prospected Calder Creek after 1896, as well as many other Klondike Creeks. There are reports of old workings on the lower parts of the creek, and geochemical surveys done. The creek has been staked previously over many

years but there are no records of extensive prospecting being done. At the top right fork a soil sample of 60 ppb was found in 1989 by Robert Truswell for Placer Dome. Bill Mann, in his report for Klondike Star Mineral Corporation in 2005, states that a high of 10 ppb found up the slope above the upper right fork of Calder Creek. Taku Gold has found anomalous gold values in soil of up to 24 ppb in the area of the prospecting lease.

Description of work:

Two drill programs were completed on the Calder prospect.

On June 2 final preparation and mobilization work began in Whitehorse. Travelling and transporting an ATV to Dawson was done after June 4 with a crew of 3, Grant Allan, Bruce Nibecker and Kyle Babonau. On June 8 and 9 prospecting, surveying and claim staking work was done on the lease on Calder Creek.

Gateway Drilling Ltd.'s drill and trucks had arrived in Whitehorse with Clint Tracy (owner/operator of Gateway Drilling) and the crew returned to Whitehorse by June 11 for more preparation and to drive trucks to move drill, trailer and other gear to Dawson and Calder Creek. This was completed by June 17 and drilling completed by June 19. 241.5 ft. of drilling was completed – 12 holes over 2 lines (see attached log sheet and map). The lease was broken into 25 claims. By June 22 the crew was back in Whitehorse.

Gateway Drilling track and 6" auger drill used was a 78 Bombardier Muskeg Carrier, 28" tracks, 17,000 lbs. with a Foremost/Mobile B-34 with a fully hydraulic rotational unit with 6500 ft/lbs of torque. Samples were taken to base camp in Dawson and later tested with a small sluice box and pan.

The 2nd drill program's final preparations began on September 22nd in Whitehorse. On Sept. 24 the crew, Grant Allan and Jay Brown travelled to Calder Creek from Dawson via Hunker Creek Rd. and Quartz Creek Rd. to Calder Creek. Jay's Bombardier with a 6" auger drill was transported on a semi-trailer, and a pickup truck transported an ATV and supplies. After becoming stuck and using chains the crew arrived at Calder Creek in the late afternoon and began drilling. Over the 3 days, Sept. 24 to 26, 9 holes were drilled totaling 201 ft. (see attached log sheet and map). On Sept. 27 samples and gear were off loaded in Dawson. Drill samples were tested with small sluice box and pan. In October the Bombardier and drill was walked over the Eldorado summit to the Eldorado Creek Rd.

Plans to have Ground Truth do high resolution photography on Calder Creek were cancelled due to October weather conditions. The plan to commence digging a shaft on the Calder Creek prospect in September or October was not implemented as the contractor and equipment arranged for became unavailable. It was hoped that Ground Truth would be able to drill on Calder Creek over the winter, before April. As of January the auger drill had not been installed and tested on their platform and doing a drilling program in February or March have become unlikely.

Conclusions and Recommendations:

It is concluded that most of the drill holes failed to of the drill holes did not reach bedrock presumably stopped by hard boulders that the drills, and the bits being used, could not penetrate. Some gold was recovered from 3 holes which is encouraging. To better analyze the valley and choose future shafting and/or drilling locations it would be useful to detect bench and bedrock locations. It is recommended that an IP survey be done in conjunction with drilling. The drilling would be primarily to aid in

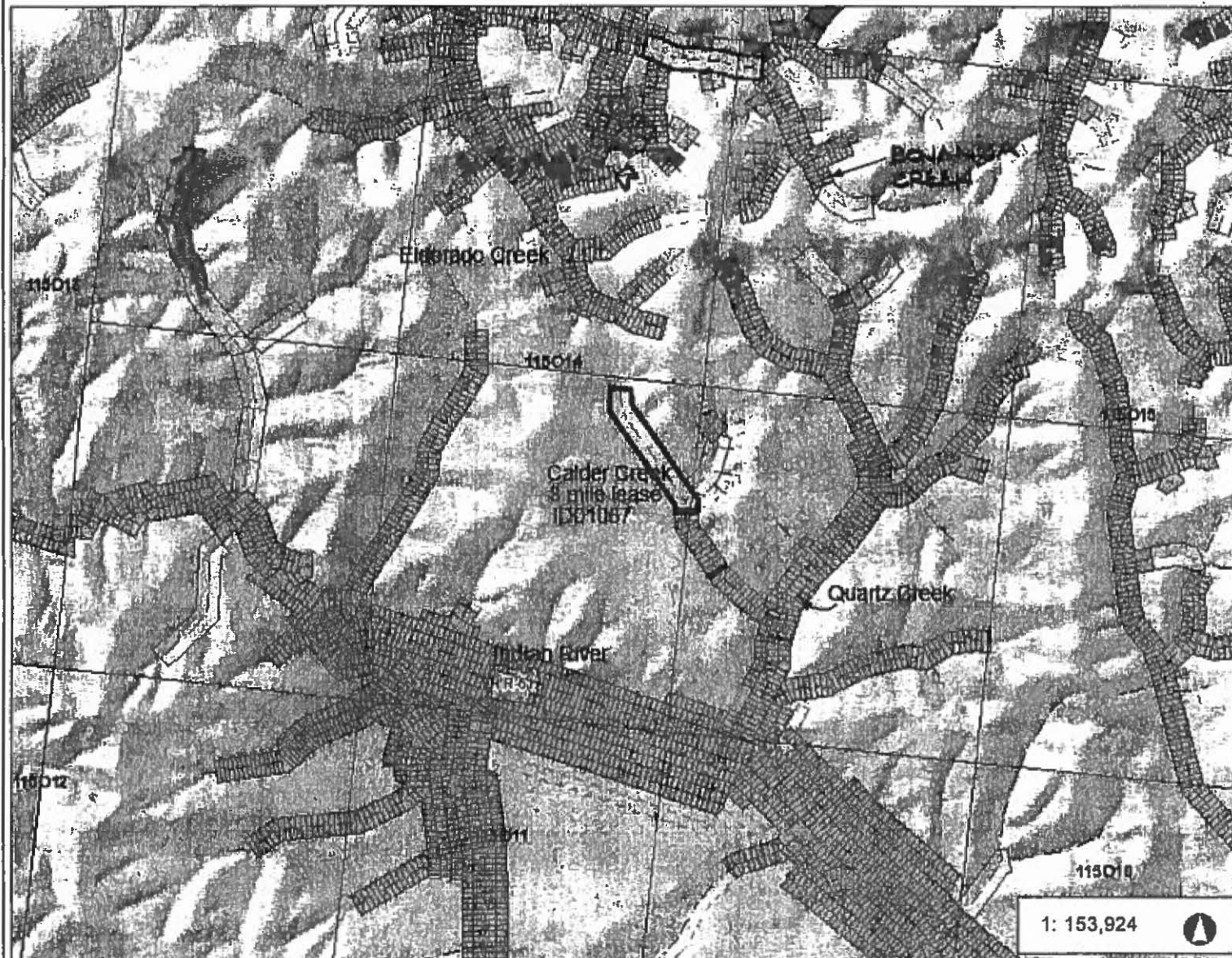
interpreting the IP data, but would hopefully reach bedrock and recover samples of any gold that may be there. Also recommended is aerial high resolution photography.

All this data would aid in determining good shafting and possibly drilling locations. Any drill to be used should be carefully selected to ensure it would be effective in reaching bedrock. Shafting and drilling would be undertaken at selected locations.

LOCATION MAPS 1 & 2



Calder Creek Placer Exploration Prospect, Klondike Goldfields Map sheet 115014b Location map 2



Legend

- New Placer Claims
- Placer Claims (50K)
 - Active and Pending
 - Expired
- Prospecting Leases
 - Active and Pending
 - Expired
- Adjoin Placer
 - Placer Baselines (50K)
 - Placer Baselines (surveyed)
- Municipalities and Subdivision:
 - MUNICIPAL BOUNDARY
 - SPATIAL EXTENT
 - SUBDIVISION
- 1:10,000 Mapsheet Index
- 1:50,000 NTS Mapsheet Index
- Settlement Lands (Surveyed)
 - A: Surface and Subsurface Rights
 - B: Surface Rights
 - FS: Fee Simple
- Settlement Lands (Unsurveyed)
 - A
 - B
 - FS
- Interim Protected Lands (Unsurveyed)
 - Areas withdrawn from staking
 - No

Notes

Three mile prospecting lease ID01067 on the upper left fork of Calder Creek, a tributary of Quartz Creek a few km. south of Eldorado Creek in the Klondike.

7.8 0 3.91 7.8 Kilometers

Yukon Albers
Produced from: Yukon Mining Viewer

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.
Date Printed: 20-Mar-2013

Placer Drill Log

Date: June 17, 18, 2013

Driller: Clint Tracy Gateway Drilling

Type of Drill: 6" auger track mounted
MOB 834

Inside Diameter of Drill: N/A

Location: Colder Ck

Lease or Grant Numbers: ID01067

Line 1

Drill Hole Number	Total Footage	Breakdown in feet	Materials Encountered	Remarks: Samples/Results
1-2013	29'	0-1' muck; 1'-13' gravel; 13'-27' silt with quartz		
		27'-28.5' white channel; 28.5'-29.5' bedrock		
2-2013	16'	0-1' muck; 1'-2' gravel; 2'-3' silt; 3'-15' white channel; 15'-16' bedrock		
3-2013	22'	0-1' muck; 1'-6' gravel; 6'-21' white channel; 21'-22' bedrock		
4-2013	14'	0-1' muck; 1'-4' gravel; 4'-8' silt; 8'-13' wh. ch.; 13'-14' bedrock		
5-2013	10'	0-1' muck; 1'-5' gravel; 5'-9' silt; 9'-10' b.r.		
6-2013	7'	0-6' gravel; 6'-7' b.r.		
7-2013	6'	0-5' gravel; 5'-6' b.r.		
8-2013	15'	0-1' muck; 1'-2' gravel; 2'-4' silt; 4'-14' wh. ch.; 14'-15' b.r.		
9-2013	13.5'	0-1' muck; 1'-6' gravel; 6'-10' silt; 10'-13' wh. ch. 13'-13.5' b.r.		

Date: June 19, 2013

Signature (Driller or Representative):

Clint Tracy



Date: June 19, 2013

Driller: Clint Tracy Gateway Drilling

Type of Drill: 6" auger ^{tracks mounted} Mobile B34

Inside Diameter of Drill: N/A

Location: *Calder Cr*

Lease or Grant Numbers: IP01067

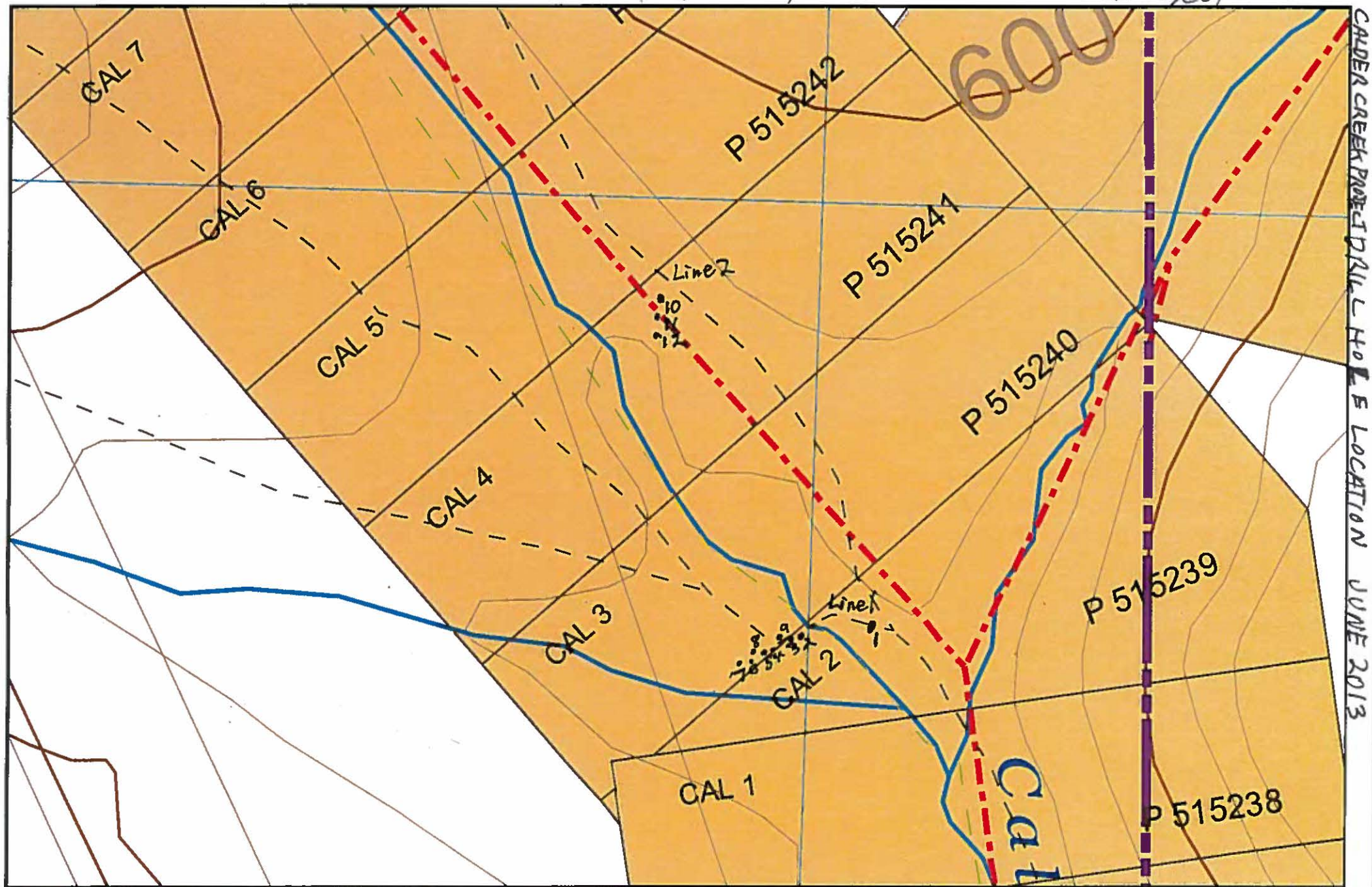
Line 2 June 19, 2013

Date: June 19, 2013

Signature (Driller or Representative):

Carl Isaac

Drill Location - Gateway Drilling June, 2013 Calder Creek Project



Placer Drill Log

Date: 23/9/2013

Driller: JAY BROWN

Type of Drill: Auger

Inside Diameter of Drill: SIX INCH

Location: CALDER CR

Lease or Grant Numbers: _____

Drill Hole Number	Total Footage	Breakdown in feet	Materials Encountered	Remarks, Samples/Results
1	20	5	Black muck	long Tom - PAN
		14	slide rock - clay ^{yellow}	
		1	Rock Layer	
2	43	6	Black muck	
		8	sandy clay ^{yellow}	
		27	Washed GRAVEL	
		2	Rock Layer	
3	52	17	Black muck	
		31	sandy clay ^{yellow}	Washed GRAVEL
		4	Rock Layer	
4	15	1	Black-Red GRAVEL	
		8	yellow sandy clay	
TOTAL	130	6	Bed Rock	

Date: 25/9/2013

Signature (Driller or Representative): Jay Brown

Placer Drill Log

Date: 23/9/2013

Driller: Jay BROWN

Type of Drill: Auger

Inside Diameter of Drill: SIX INCH

Location: CALDER CREEK

Lease or Grant Numbers: _____

Drill Hole Number	Total Footage	Breakdown in feet	Materials Encountered	Remarks, Samples/Results
5	17	7	BLACK MUCK	Long Tom - PAN
		6	SANDY CLAY yellow	
		4	ROCK LAYER	
6	13	5	BLACK MUCK	
		8	SANDY CLAY yellow	
7	10	6	BLACK MUCK	
		4	SANDY CLAY yellow	
8	20	5	BLACK MUCK	LARGE AMOUNT OF
		15	SANDY CLAY yellow	QUARTZ ROCK
9	11	11	SLIDE ROCK	
TOTAL	71			

Date: 25/9/2013

Signature (Driller or Representative): Jay Brown

Culder Creek Project Drill Hole Location - Jay Brown Drilling Sept. 2013

