



1 2 2 0 G O V E R N M E N T S T R E E T ,
N E L S O N , B . C . , V 1 L 3 K 8

January 13, 2021

Mr. Bill Kestell RPF

Cooper Creek Cedar Ltd.

Dear Bill:

RE: Site Review of CP 404-6 and CP 404-15, Laird Creek Area.

On October 27th, 2020, you and I conducted site reviews of proposed blocks 404-6 and 404-15 in the Laird Creek (Balfour Face) area. You requested the site review as a precautionary measure to identify any terrain or hydrological concerns that could potentially impact the mapped water intakes and infrastructure.

404-6: During the field review we walked the proposed spur and portions of the lower boundary. The harvesting plans call for clearcut with ground skidding. Proposed Spur 5 traverses through the middle of the block, the existing road forms the upper boundary. There are old roads and trails (used for firewood harvesting) within the block. There is no evidence of instability, well defined draws and ridges control the slope drainage. One NCD is mapped flowing down through the middle of the block (most of the NCD is within a reserve). Most of the catchment for the NCD is upslope of the proposed block. Timber harvesting is unlikely to influence the water quantity, quality, or timing of flows.

404-15: During the field review we walked the proposed road, traversed down adjacent to NCD 41-1, then followed the falling boundary. Ground skidding clear cut is prescribed adjacent to the proposed road, Clear cut cable yarding is proposed for the remainder of the block. The upper lift of the proposed road follows an old existing haul road. There are a series of small streams that flow through the block confined in small draws which open up downstream, there is evidence of high flows within the last 25 years. For the most part the slope has a moderate slope gradient. There is no evidence of instability associated with the streams, there is an area of wash of material off shallow rock near a

seasonal spring likely about 25 or more years old. There is a large spring in the lower portion of the block, likely where subsurface water is forced to the surface by shelving rock. A trench just upslope of the spring appears to have been constructed to intercept, concentrate, and divert subsurface and surface flows for consumptive purposes. This trench should be flagged, cable yarding across the trench should be conducted in such a way to ensure the trench is not breached (gouged) or filled. If this recommendation is implemented, timber harvesting as proposed is unlikely to have a noticeable effect on the slope hydrology, there are no terrain stability concerns associated with the proposed development.

Conclusion:

The site review found no evidence of terrain instability and no indicators that timber harvesting will have an impact on water quality, quantity, or timing of flows.

A DTSFA is not required for these proposed blocks.

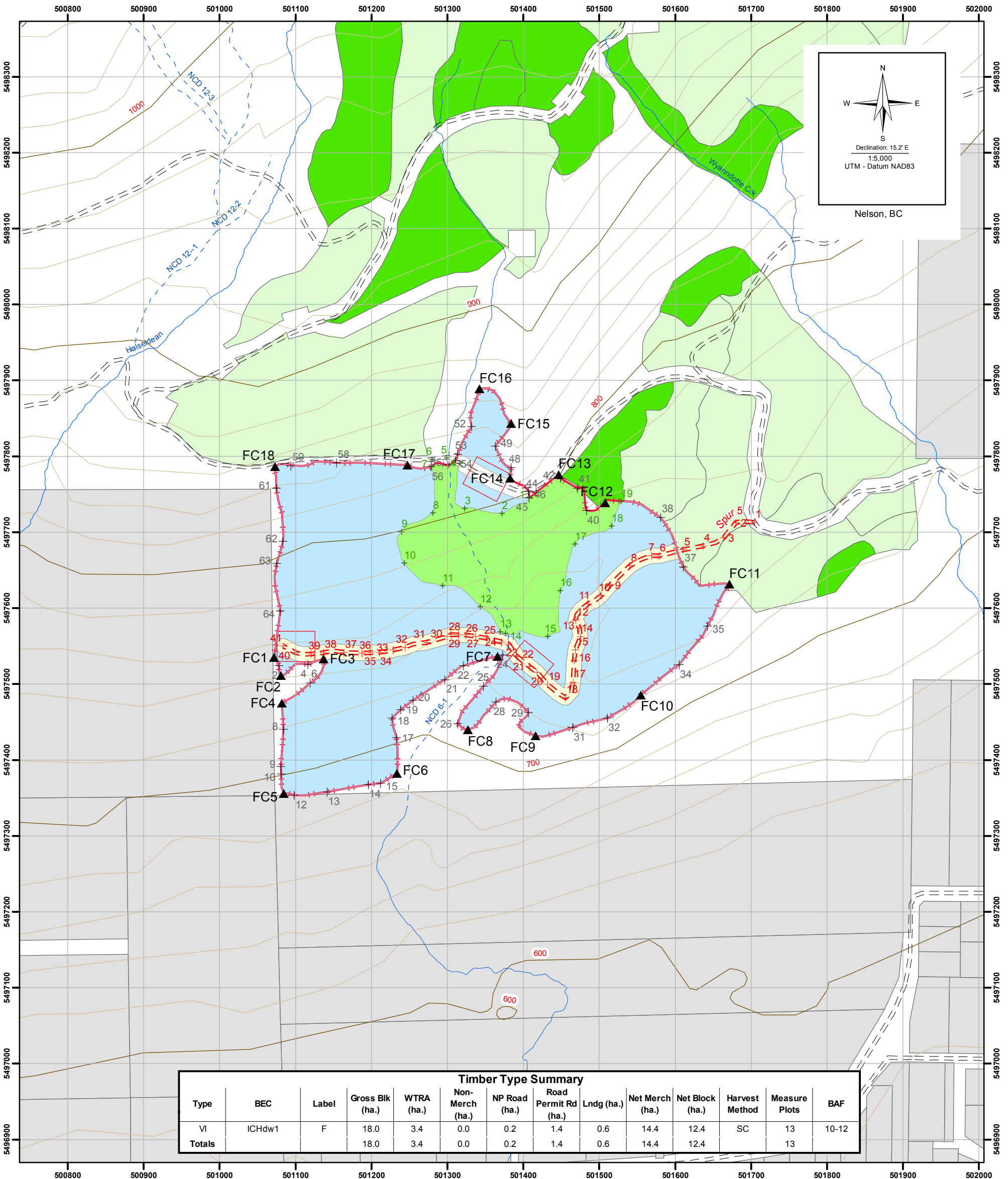
Sincerely,

Will Halleran, P.Geo.,
Apex Geoscience Consultants Ltd.

Cooper Creek Cedar Ltd
 KOOTENAY-BOUNDARY REGION
 SELKIRK DISTRICT (#4)
 Block Map
 CP404-6
 F.L. A30171
 Laird Creek

Mapsheet: 82F 066	Location: Laird Creek	
TSA: Kootenay Lake (13)	PSYU: 44	FIZ: G
SCN: 160	Supply Block: 13E	Region: 17 Compartment: 32
UTM Ref: 501323 5497609 Lat./Long: 49°37'52" / -116°58'54"		
Date: 10/21/2020	Revised:	

COOPER CREEK CEDAR LTD



Type	BEC	Label	Gross Blk (ha.)	WTRA (ha.)	Non-Merch (ha.)	NP Road (ha.)	Road Permit Rd (ha.)	Lndg (ha.)	Net Merch (ha.)	Net Block (ha.)	Harvest Method	Measure Plots	BAF
VI	ICHdw1	F	18.0	3.4	0.0	0.2	1.4	0.6	14.4	12.4	SC	13	10-12
Totals			18.0	3.4	0.0	0.2	1.4	0.6	14.4	12.4		13	

Cruise Information

- Cruise Grid Spacing 70m x 70m
- Measure Plot
- Count Plot
- Timber Type Boundary
- Falling Corner
- Direction of Travel
- Timber Cruiser: Dan Britten
- Cruise: Scale based
- Timber Type **III**
- GPS Station

- Conventional Harvest
- Cable Harvest
- Helicopter Harvest
- Splitline
- Highway
- Existing Road
- Trail
- Proposed Road

- Existing Landing
- Proposed Landing
- Park Boundary
- Wildlife Tree Retention Area
- Existing Opening
- VRI
- Creek
- Intermittent Creek



Nelson BC
 Drawn by: KS

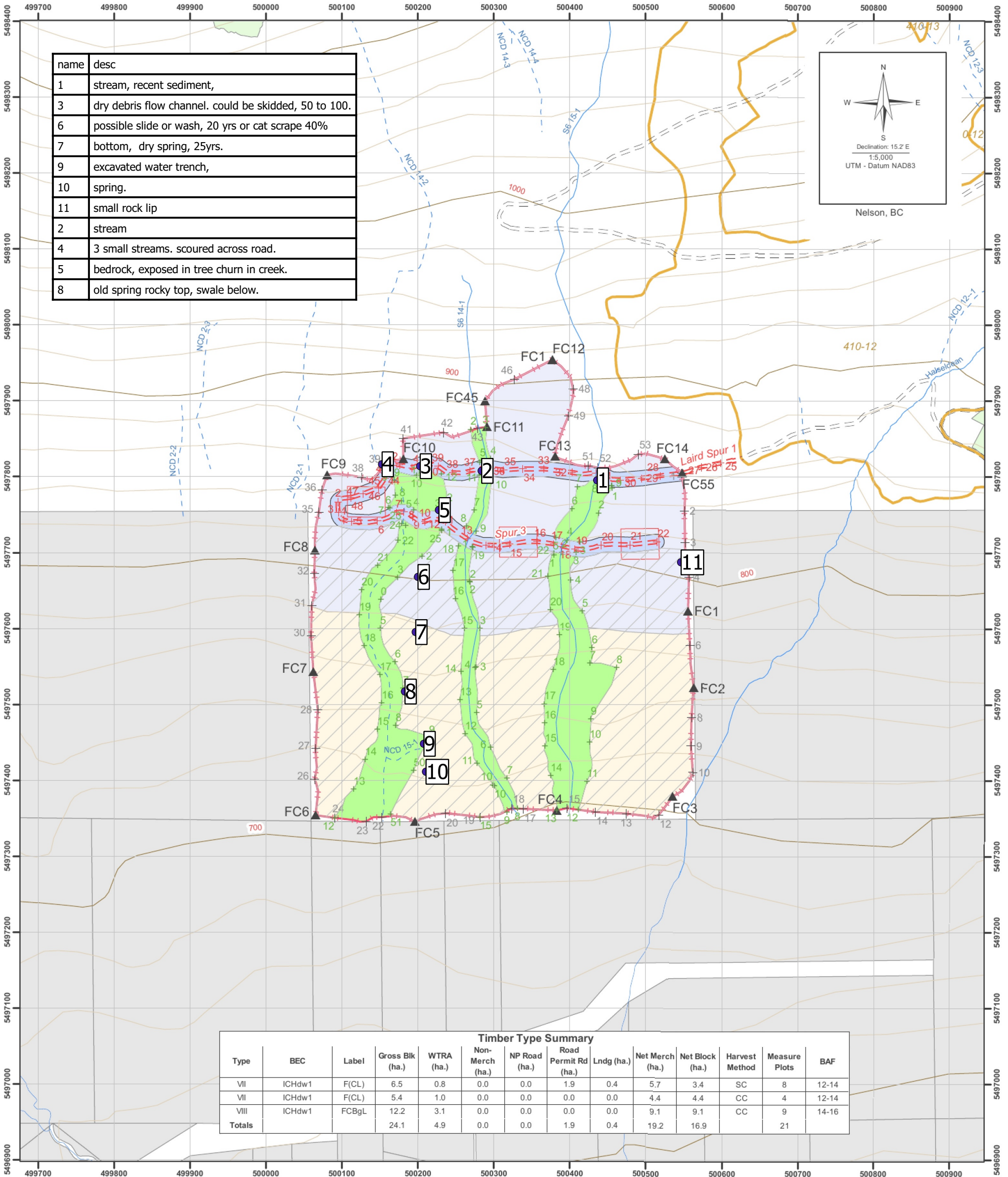
0 50 100 200
 Meters

Date: 10/21/2020
 Elevation: 715-870

Cooper Creek Cedar Ltd
 KOOTENAY-BOUNDARY REGION
 SELKIRK DISTRICT (#4)
 Block Map
 CP404-15
 F.L. A30171
 Laird Creek

Mapsheet: 82F 066	Location: Laird Creek	
TSA: Kootenay Lake (13)	PSYU: 44	FIZ: G
SCN: 160	Supply Block: 13E	Region: 17 Compartment: 32
UTM Ref: 500311 5497604 Lat./Long: 49°37'52" / -116°59'44"		
Date: 10/21/2020	Revised:	

**COOPER CREEK
 CEDAR LTD**



Cruise Information

Cruise Grid Spacing 70m x 70m
 Measure Plot Timber Type III
 Count Plot
 Timber Type Boundary
 Falling Corner GPS Station
 Direction of Travel
 Timber Cruiser: Dan Britten
 Cruise: Scale based

Conventional Harvest
 Cable Harvest
 Helicopter Harvest
 Splitline
 Highway
 Existing Road
 Trail
 Proposed Road

Existing Landing
 Proposed Landing
 Park Boundary
 Wildlife Tree Retention Area
 Existing Opening
 VRI
 Creek
 Intermittent Creek

Produced by:



Nelson BC
 Drawn by: KS



Date: 10/21/2020
 Elevation: 695-915