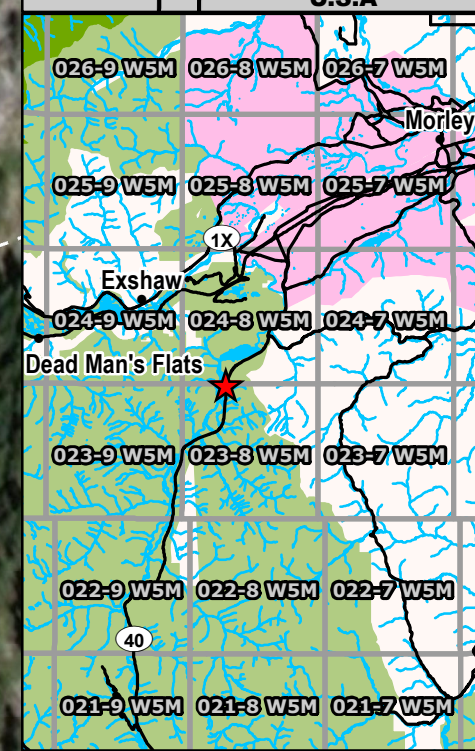
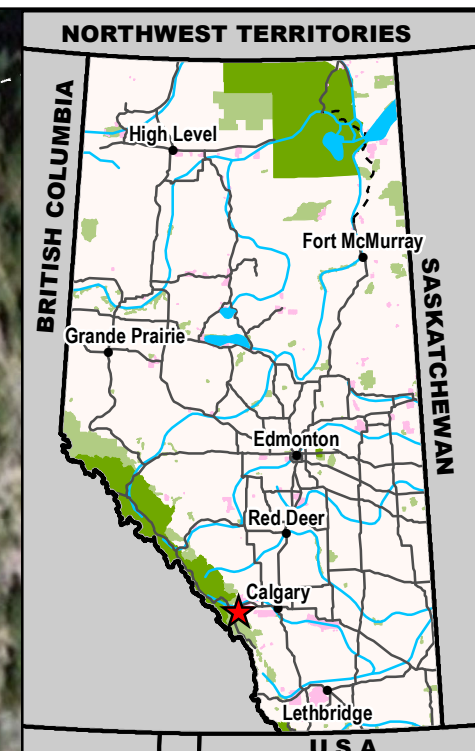
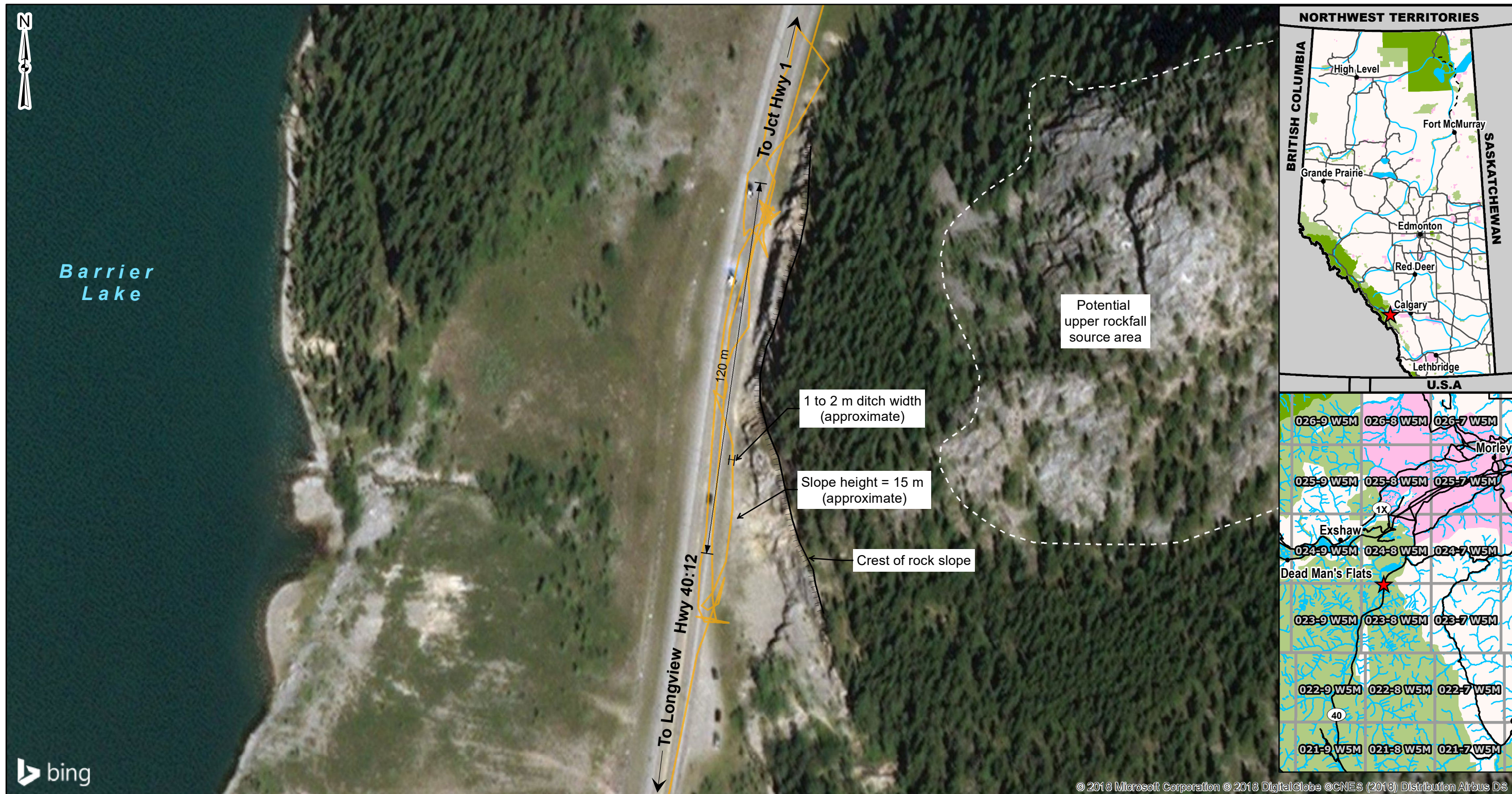


SITE NUMBER AND NAME <b>S017 Mount Baldy Rock Cut</b>		HIGHWAY & KM 40:12, 37.302	PREVIOUS INSPECTION DATE June 14, 2016	INSPECTION DATE <b>May 1, 2018</b>
LEGAL DESCRIPTION NE 32-23-8-W5	NAD 83 COORDINATES Northing    Easting 51°0.481'    115°4.361'		RISK ASSESMENT PF: 12      CF: 2      TOTAL: 24	
Average Annual Daily Traffic (AADT): 2600 (north), 2580 (south), (Ref. No. 53190)			Contractor Maintenance Area (CMA): 28	

SUMMARY OF SITE INSTRUMENTATION:  None  LAST READING DATE: N/A	INSPECTED BY: Chris Gräpel (KCB) Peter Roy (KCB) Renato Macciotta (KCB) Roger Skirrow (AT) Alex Frotten (AT)
PRIMARY SITE ISSUE: Rockfalls from back slope, with narrow ditch, potential upper rock fall source area.	
APPROXIMATE DIMENSIONS: Slope height approximately 15 m, with 3 to 4 m of soil at brow of slope.	
DATE OF ANY REMEDIAL ACTION: Wire mesh and HTCB installed in 2016.	

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress		X			X
Slope Movement	X		Backslope rockfall of massive limestone. Rocks falling into ditch	X	
Erosion	X		Erosion of soil above rock contributes to rock fall	X	
Seepage		X			X
Culvert Distress		X			X

<b>COMMENTS</b>
Large debris piles in mesh gaps. The slope is less steep at the gaps in the mesh due to weathered rock and therefore were left open for animal access up the slope.
Rocks up to 0.5 m x 0.5 m x 0.5 m have fallen into the ditch.
Some tears in mesh due rock falls.
Ditch should be cleaned of debris regularly.
Narrow ditch. Rocks falling in the mesh gaps have the potential to roll onto the highway. The mesh should be repaired.
Increased exposed soil at the brow of the slope since the previous inspection in 2016
Fallen material could be used to create a small berm behind the HTCB at the mesh gaps to help reduce fallen material from rolling under the HTCB, onto the highway.
Inspect site every two years.



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**Legend**

- GPS Track (May 1, 2018)
- Crest of Rock Slope



NOTES:  
 1. HORIZONTAL DATUM: NAD83  
 2. GRID ZONE: UTM Zone 11N  
 3. IMAGE SOURCE: Bing Maps 2018, Microsoft Corporation  
 Image dated May 2013

CLIENT  


PROJECT  
 SOUTHERN REGION GEOHAZARD RISK MANAGEMENT PROGRAM

 Klohn Crippen Berger

TITLE  
 Site Plan  
 S017 - Mount Baldy Rock Cut  
 Hwy 40:12 km, 37.302

SCALE: 1:1,250    PROJECT No. A05115A03    FIG No. 1

Time: 11:59:57 AM  
 Date: July 16, 2018  
 File: Z:\A\EDM\A05115A03\ABT Southern Region GRMP\400 Drawings\2018\2. Section BIMXD\S017\_180716.mxd

**Photo 1** Rock slope height is approximately 15 m. Loose material at the brow of the slope erodes and contributes to the rockfall. Photo was taken facing east on May 1, 2018.



**Photo 2** Wire mesh and HTC B installed on slope in 2016. Photo was taken facing south on May 1, 2018.



**Photo 3** Rock debris in ditch up to 0.5 m x 0.5 m x 0.5 m in size. Photo was taken facing north on May 1, 2018.



**Photo 4** Some tears noted in the wire mesh where attached to the cable at the base. Photo was taken facing east on May 1, 2018.

