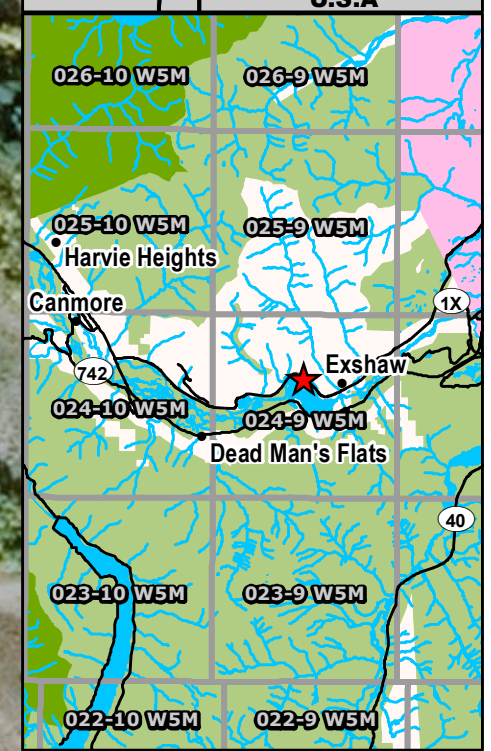
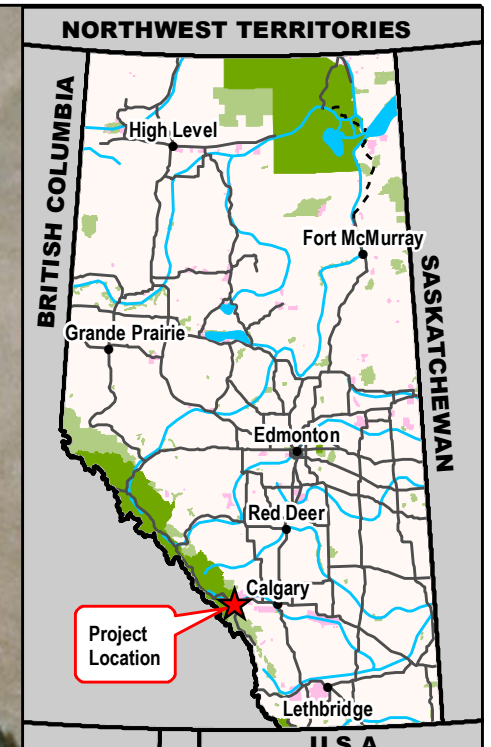


SITE NUMBER AND NAME: <b>S057 Hwy 1A, Exshaw, Sites A &amp; B</b>		HIGHWAY & KM: 1A:02 km 12.52 to 11.91	PREVIOUS INSPECTION DATE: N/A	INSPECTION DATE: <b>May 7, 2019</b>
LEGAL DESCRIPTION: 13-22-024-09 W5M	NAD 83 COORDINATES: UTM Northing Easting 11 5658509 627178		RISK ASSESMENT: PF: 11 CF: 1 TOTAL: 11 (Site A) PF: 11 CF: 3 TOTAL: 33 (Site B)	
AVERAGE ANNUAL DAILY TRAFFIC: 1600 (Ref. No. 50100258)			CONTRACTOR MAINTENANCE AREA (CMA): 27	

SUMMARY OF SITE INSTRUMENTATION:  None  LAST READING DATE: N/A	INSPECTED BY: Chris Gräpel (KCB) Chris Morgan (KCB) Roger Skirrow (AT) Alex Frotten (AT) Nicolas Ropchan (AT)
PRIMARY SITE ISSUE: Two rock cut slopes with bedding planes dipping towards the highway. The sites have shallow to non-existent catchment ditches and rockfalls can reach the highway.	
APPROXIMATE DIMENSIONS: Site A is approximately 210 m long and up to 15 m high, and Site B is approximately 300 m long and up to 12 m high.	
DATE OF ANY REMEDIAL ACTION: N/A	

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress		X			
Slope Movement	X		Bedrock slopes with ongoing rockfall into the existing shallow catchment ditches.		
Erosion		X			
Seepage		X	None observed		
Culvert Distress		X			

<b>COMMENTS</b>
First visit to the site. Site will be monitored moving forward.
Site A (km 12.52 to 12.34) – mountain goats and bank swallows observed. Bedrock is sedimentary (limestone or siltstone) with open joints and visible bedding planes (dipping towards the highway at approximately 40 degrees), potential for sliding failure but unlikely to bounce onto the road. Ditch is relatively flat.
Site B (km 12.26 to 11.91) - Bedrock is sedimentary and similar to Site A (limestone or siltstone) with open joints and visible bedding planes (dipping towards the highway at approximately 40 degrees), mid-sized blocks visible with potential to roll onto the road. Ditch is relatively flat.
Candidate repair and management options include routine inspection of the slope, excavation of rockfall catchment ditches adjacent to the highway, and spot bolting of blocks which appear unstable or pose a wedge failure risk.



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**Legend**

— GPS Track (May 7, 2019)



Time: 15:21:09 PM  
Date: June 24, 2019  
File: Z:\A\EDM\A05115A03\ABT Southern Region GRMP\A00 Drawings\2019\2 Section BIM\XDE\exshaw\_190624.mxd

NOTES: 1. HORIZONTAL DATUM: NAD83 2. GRID ZONE: UTM Zone 11N 3. IMAGE SOURCE: Bing Maps 2019, Microsoft Corporation	CLIENT	PROJECT	
		SOUTHERN REGION GEOHAZARD RISK MANAGEMENT PROGRAM	
	TITLE	Site Plan Highway 1A, Exshaw Hwy 1A:02, km 12.24	
	SCALE	PROJECT No.	FIG No.
	1:2,000	A05115A03	1

**Photo 1** Sites A and B. Photo taken facing northwest on May 7, 2019.



**Photo 2** Southeastern section of Site A. Photo was taken facing northeast on May 7, 2019.



**Photo 3**      **Northwestern section of Site A. Photo was taken facing north on May 7, 2019.**



**Photo 4**      **Adversely dipping bedrock at Site B. Photo taken facing north on May 7, 2019.**



**Photo 5**      **Northwestern section of Site B. Photo was taken facing northwest on May 7, 2019.**

