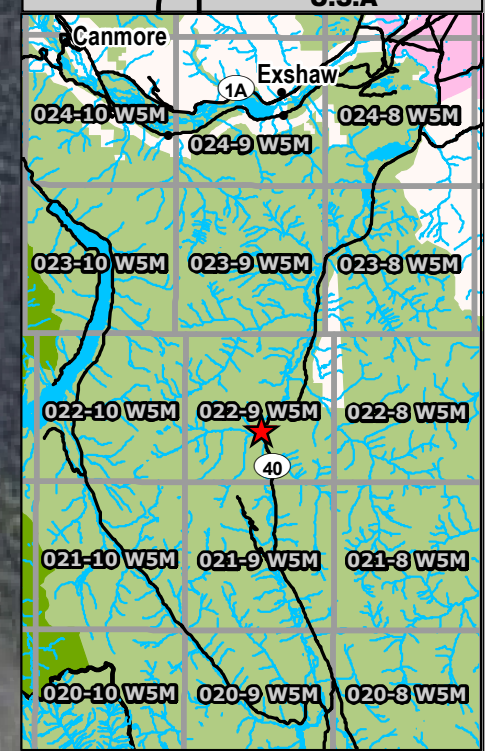
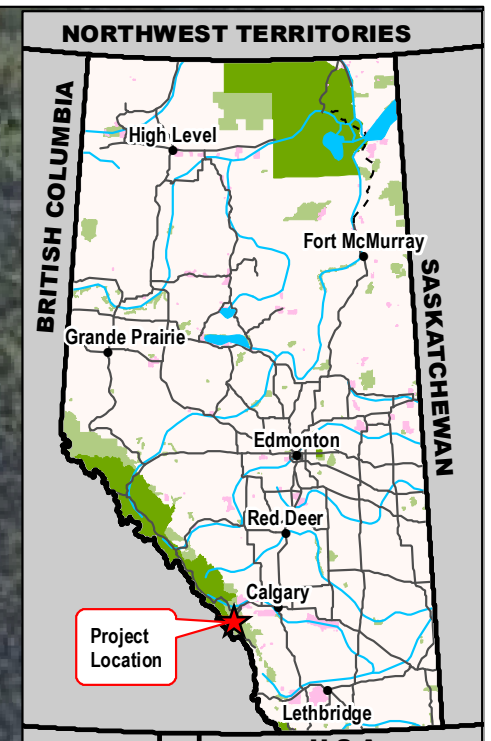


SITE NUMBER AND NAME S018 Galatea Creek		HIGHWAY & KM 40:12, 18.469	PREVIOUS INSPECTION DATE June 14, 2016	INSPECTION DATE May 1, 2018
LEGAL DESCRIPTION SW 15-22-9-W5	NAD 83 COORDINATES Northing Easting 50°51.834' 115°10.594'		RISK ASSESMENT PF: 12 CF: 3 TOTAL: 36	
Average Annual Daily Traffic (AADT): 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: Rockfall from rock cut on both sides of highway.	
APPROXIMATE DIMENSIONS: Slope height is approximately 16 m (maximum)	
DATE OF ANY REMEDIAL ACTION: Wire mesh installed on rock slope on the east side of the highway in 2016.	

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress		X			X
Slope Movement	X		Rock falls from east and west slopes	X	
Erosion		X			X
Seepage		X			X
Culvert Distress		X			X

COMMENTS
Wire mesh is functioning as designed. Rock falls, for the most part, are being contained by the mesh. Some rocks making it to the highway surface.
Some damaged mesh noted near the cable at the base, due to large falling rocks.
Recent rockfall of about 1 m ³ from approximately 2 m above ground surface. Rockfall was contained by wire mesh.
West slope not as much of an issue due to favorable hydrology and slope height. Ditch is larger on west side of highway.
The rock mass on the east slope has pervasive planar joints, in an adverse orientation. Some of the rock mass joints are dilated, with some rock blocks on the verge of falling.
More concentrated debris located in the gaps in the wire mesh. Gaps provide animal access up the slope.
Rock debris should continue to be cleaned from ditch and highway surface.
Visit site once every two years.



Legend

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

NOTES:
 1. HORIZONTAL DATUM: NAD83
 2. GRID ZONE: UTM Zone 11N
 3. IMAGE SOURCE: Google Earth 2018.
 Imagery dated Septemehr 23, 2012

CLIENT

Alberta

Klohn Crippen Berger

PROJECT SOUTHERN REGION GEOHAZARD RISK MANAGEMENT PROGRAM		
TITLE Site Plan S018 - Galatea Through Cut Hwy 40:12, km 18.469		
SCALE 1:2,200	PROJECT No. A05115A03	FIG No. 1

Time: 16:40:55 PM
 Date: July 11, 2018
 File: Z:\A\EDM\A05115A03\ABT Southern Region GRMP\400 Drawings\2018\2 Section BIMXD\S018_180711.mxd

Photo 1 Wire mesh installed on rock slope in 2016. Maintenance contractor on site, removing fallen rocks from highway. Photo was taken facing northeast on May 1, 2018.



Photo 2 Recent rock fall of about 1 m³ from approximately 2 m above ground, behind wire mesh. Photo was taken facing east on May 1, 2018.



Photo 3 Rock debris in west ditch. Photo was taken facing northeast on May 1, 2018.

