

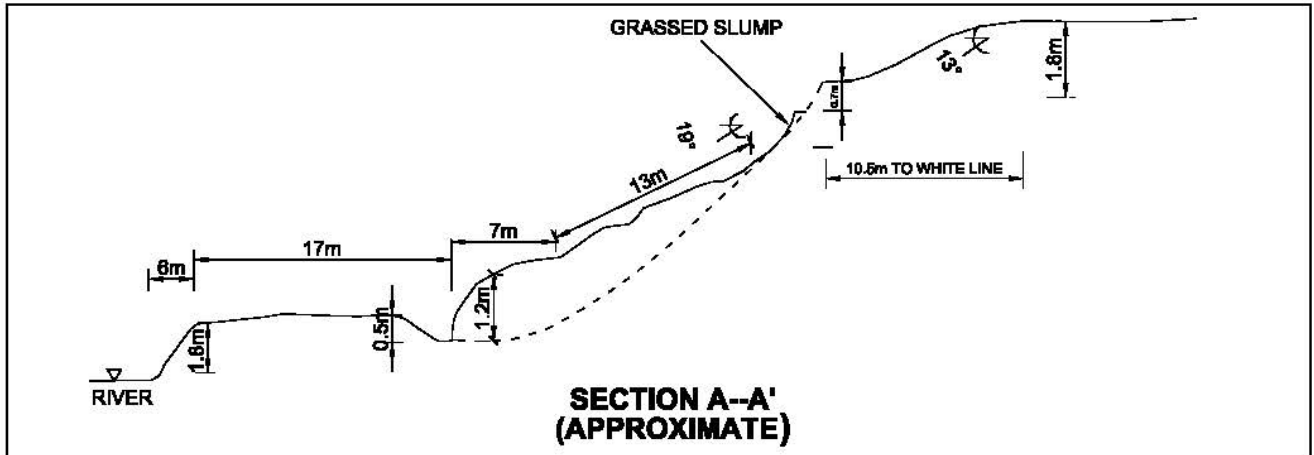
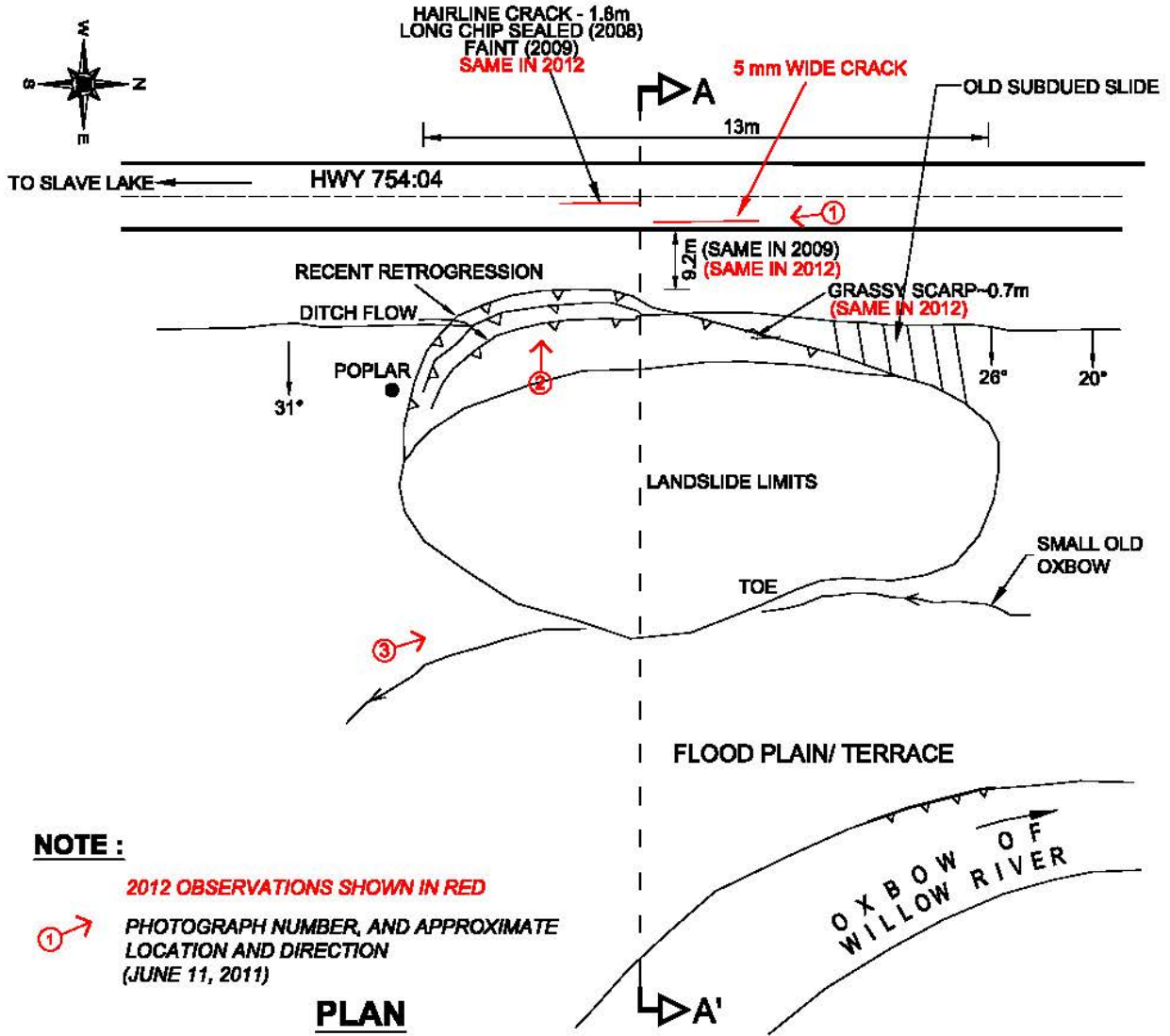
GEOHAZARD ASSESSMENT PROGRAM
NORTH CENTRAL REGION – ATHABASCA
2012 INSPECTION



Site Number	Location	Name	Hwy	km
NC 53	75 km north of Slave Lake and 36 km from the junction of highways 88 and 754	North of Slave lake	754:04	18.6
Legal Description		UTM Co-ordinates (NAD 83)		
SE-29-77-3-W5M		11 N 6175492	E 661880	

	Date	PF	CF	Total
Previous Inspection:	June 18, 2009	8	2	16
Current Inspection:	June 11, 2012	7	2	14
Road AADT:	870	Year:	2011	
Inspected By:	Tarek Abdelaziz, Don Proudfoot (Thurber) Roger Skirrow, Arthur Kavulok, Gordon Wolters (TRANS)			
Report Attachments:	<input checked="" type="checkbox"/> Photographs <input checked="" type="checkbox"/> Plans <input type="checkbox"/> Maintenance Items			

Primary Site Issue:	A landslide near the edge of the highway clear zone		
Dimensions:	About 13 m long		
Date of any remediation:	N/A		
Maintenance:	Highway chip-sealed in 2008		
Observations:	Description	Worse?	
<input checked="" type="checkbox"/> Pavement Distress	5 mm wide longitudinal crack in the highway surface	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Slope Movement	The distance between the eastern edge of the highway shoulder and the slide's headscarp remained unchanged (i.e. 9.2 m as measured in 2008)	<input type="checkbox"/>	
<input type="checkbox"/> Erosion		<input type="checkbox"/>	
<input type="checkbox"/> Seepage		<input type="checkbox"/>	
<input type="checkbox"/> Bridge/Culvert Distress		<input type="checkbox"/>	
<input type="checkbox"/> Other		<input type="checkbox"/>	
Instrumentation: None			
Assessment (Refer to attached Figure):			
The site observations indicated that the landslide has been creeping at a very slow rate.			
Recommendations:			
The site conditions did not change between 2009 and 2012, and therefore it is recommended to defer future inspections for a few years. The MCI should continue to visually inspect the site, seal any open cracks, monitor the retrogression of the slide headscarp to the highway lanes, and watch closely for any additional visible signs of landslide movement.			



**NORTH CENTRAL REGION (ATHABASCA AREA)
- 2012 GEOHAZARD ASSESSMENT
NC 53: HWY 754:04 NORTH OF SLAVE LAKE (km18.6)
SITE PLAN AND CROSS - SECTION**

FIGURE NC53-1



DRAWN BY	ML
DESIGNED BY	TSA
APPROVED BY	DWP
SCALE	N. T. S.
DATE	OCTOBER 2012
FILE No.	15-18-275





Photo#1 Looking south at a longitudinal crack in the highway NBL surface west of the landslide



Photo#2 Looking west at the landslide head scarp area



Photo#3 Looking north from the bottom of the landslide at the existing oxbow