

Table 5.12 Landslide Prone Areas Based on NDGS Map

Area (Figure A.1 Mapbook Page)	TetraTech Summary Sheet Designation	Latitude & Longitude	Crossed by Route	Keitu's Initial Evaluation	TetraTech Landslide Area Risk Ranking	TetraTech Addtl Comments	TetraTech Recommended Action for adjacent landslide areas	Bridger's Planned Physical Mitigation
A (pg. 1 of 23)	Slope 4	47.785839°, -102.906472°	No	Evaluated by TetraTech	High	"The risk for potential impacts to the proposed South Bend Pipeline is low, however, given that the proximal distance from the proposed pipeline to the toe of the slope is 60 feet or greater"	Regrade & Re-vegetate Periodic Assessment	Regrade & Re-vegetate Periodic Assessment**
B (pg. 5 of 23)	Slope 7	47.728725°, -103.245574°	No	Evaluated by TetraTech	Medium	"Slope appears to be stable at the time of assessment with no signs of active movement or instability"	Periodic Assessment	Adequate Buffer Periodic Assessment**
C (pg. 9 of 23)		47.676515°, -103.397770°	No	150+Ft Away - No Further Assessment Required				None – Shallow Slope and Adequate Buffer Periodic Assessment**
D (pg. 20 of 23)	Slope 5	47.339739°, -103.901176°	No*	Evaluated by TetraTech	Medium	"Slope appeared to be stable"	None	USFS Land Avoided by HDD Periodic Assessment**
E (pg. 20 of 23)	Slope 6	47.336974°, -103.905431°	No	Evaluated by TetraTech	High		Regrade & Re-vegetate	USFS Land Avoided by HDD Periodic Assessment**
F (pg. 23 of 23)	Slope 1	47.269246°, -104.028820°	No	Evaluated by TetraTech	Low	"The slope was ranked as a low potential for slope movement due" "The risk for potential impacts to the proposed South Bend pipeline are also low"	None	Shallow Slope Periodic Assessment**
G (pg. 23 of 23)	Slope 2	47.269229°, -104.029326°	No	Evaluated by TetraTech	Medium	"Slope appeared stable with no apparent signs of recent erosion"	Periodic Assessment	Periodic Assessment**
H (pg. 23 of 23)		47.265444°, -104.036084°	No*	60 ft Away Lowest Risk - No Further Assessment Required				Shallow Slope Avoidance HDD due to Creek Periodic Assessment**

*Route avoids feature via HDD ** Bridger will conduct an annual inspection utilizing geotechnical specialists

