



Legend	
	Pump Station
	Valve
	Steele City Segment Routes
	Alternative A
	Alternative A1A
	Alternative B
	Access Road
	Pump Station Transmission Line
	Geologic Map Symbols
	Strike and dip of inclined beds
	Bar and ball on downthrown block
	Anticline
	Monocline
	Plunge Direction
	Syncline
	Fault
	Fault, approximately located
	Fault, concealed
	Fault, inferred
	Fold axis
	Fold, approximately located axis
	Fold, concealed axis
	Fold, inferred axis
	Ancient river channel axis
	Geological linement determined from air photos
	Extent of glaciation (hachures on glaciated side)
	Silcrete bed
	Terrace scarp
	Unconformity
	Highly Erodible Soils Underlain by Cretaceous Shales
	High Erosion Potential
	Very High Erosion Potential
	Geologic Map Units
	Qal, Alluvium
	DOW, Playa
	QTt, Terrace deposits
	Tf, Flaxville gravel
	Ta, Arikaree formation
	Tfu, Fort Union formation
	Tg, Tertiary coarse-grained intrusive rocks
	Khc, Hell Creek formation
	Kfh, Fox Hill sandstone
	Kb, Bearpaw shale
	Kjr, Judith River formation
	Kcl, Claggett formation
	Keu, Eagle sandstone
	Kp, Pierre shale
	Kc, Colorado shale

**Montana Study Area**  
**KEYSTONE XL PROJECT**

**TransCanada**

**Transmission Line Figure 3**  
**Geologic Formations**

**Project Alternate Routes**

0 5 10 15 20 40 Miles

0 5 10 15 20 25 50 Kilometers

1:350,000