



SEDIMENTARY ROCKS	
	Sand Hills
	Lake deposit
	Delta deposit
	Gravel
	Younger drift
	Older drift
	Herrick Gravel
	Bijou
	Oligocene-Miocene

CENOZOIC	
	Arikaree
	White River
	Fort Union
	Ludlow-Cannon ball
	Hell Creek
	Fox Hills
	Elk Butte
	Mobergide

MESOZOIC	
	Niobrara
	Carlile
	Greenhorn
	Graneros

PALEOZOIC	
	Virgin Creek
	Sully
	Gregory-Sharon Springs
	undifferentiated

METAMORPHIC ROCKS	
	Slate, Schist, Quartzite
	Stouffville

IGNEOUS ROCKS	
	Rhyolite, Phonolite, Monzonite
	Granite

CENOZOIC	
	pre-Cambrian

Geologic data from publications of
 State Geological Survey
 U.S. Geological Survey
 Base Map compiled from Land Office maps
 by Freeman Ward 1918

Compiled by Bruno C. Petsch
 1953

GEOLOGIC MAP

STATE OF SOUTH DAKOTA

STATE GEOLOGICAL SURVEY
 VERMILLION, S.D.
 Sigurd Anderson, Governor
 E.P. Rothrock, State Geologist

