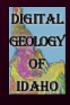


Accreted Terranes

Photos by Jim Cash Moscow High School

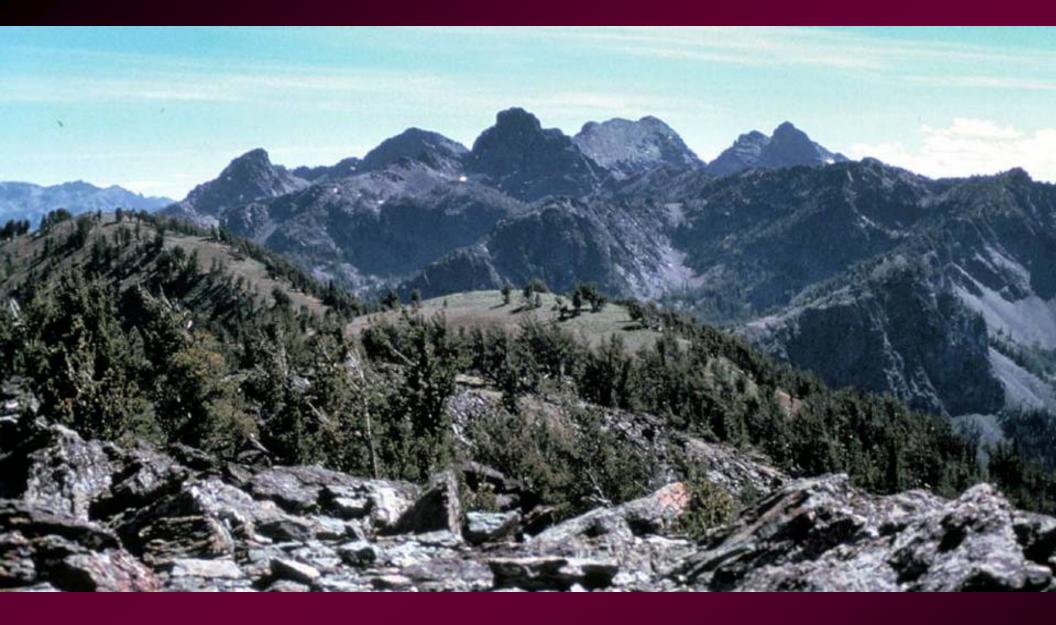
This unit contains photos from Hells Canyon, Rapid River, McCall to New Meadows, Kleinschmidt Grade, and Slate Creek



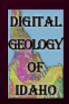


Seven Devils Area: View of Seven Devils Mountains from Black Lake Road (Emmett Mountain, White Mountain, Pyramid Peak - left to right)-view looking north.





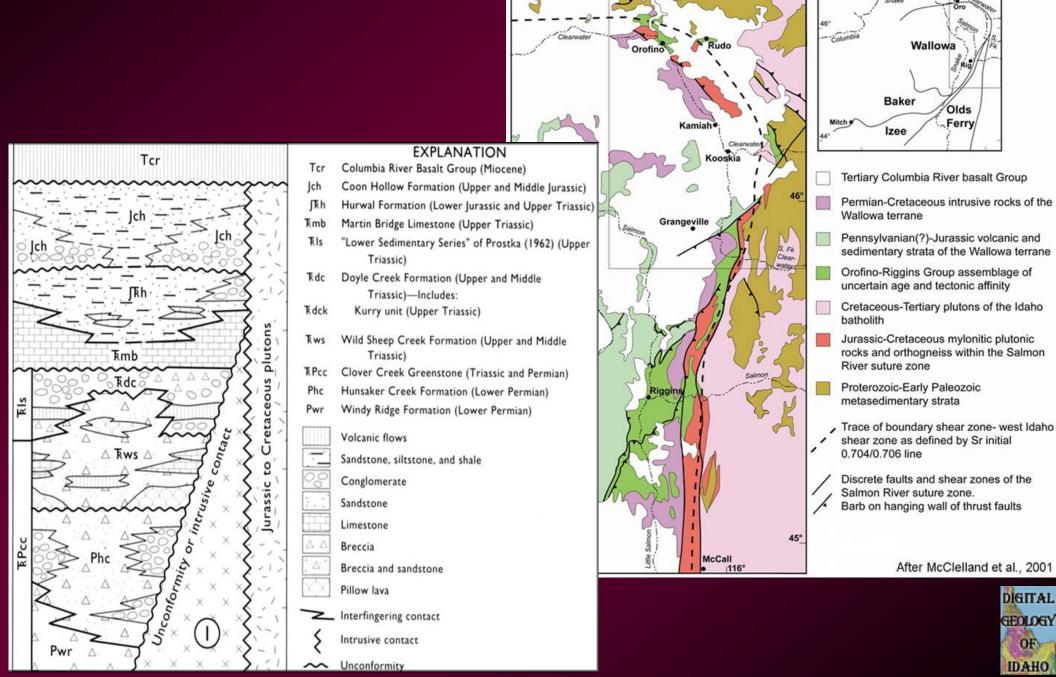
Seven Devils Mountains, photograph by Reed S. Lewis





Greenstone volcaniclastic rocks of Seven Devils Group, with Upper Triassic Martin Bridge Limestone. This the Wallowa terrane. Early Miocene Columbia River Basalt of Weiser Embayment in background. View to west. FS Route 50, Adams County, Riggins, 1:100,000 quadrangle (Lund, 2003).

Kleinschmidt Grade, Seven Devils Terrane - Hunsaker Formationlower Seven Devils Group-Wallowa Terrane





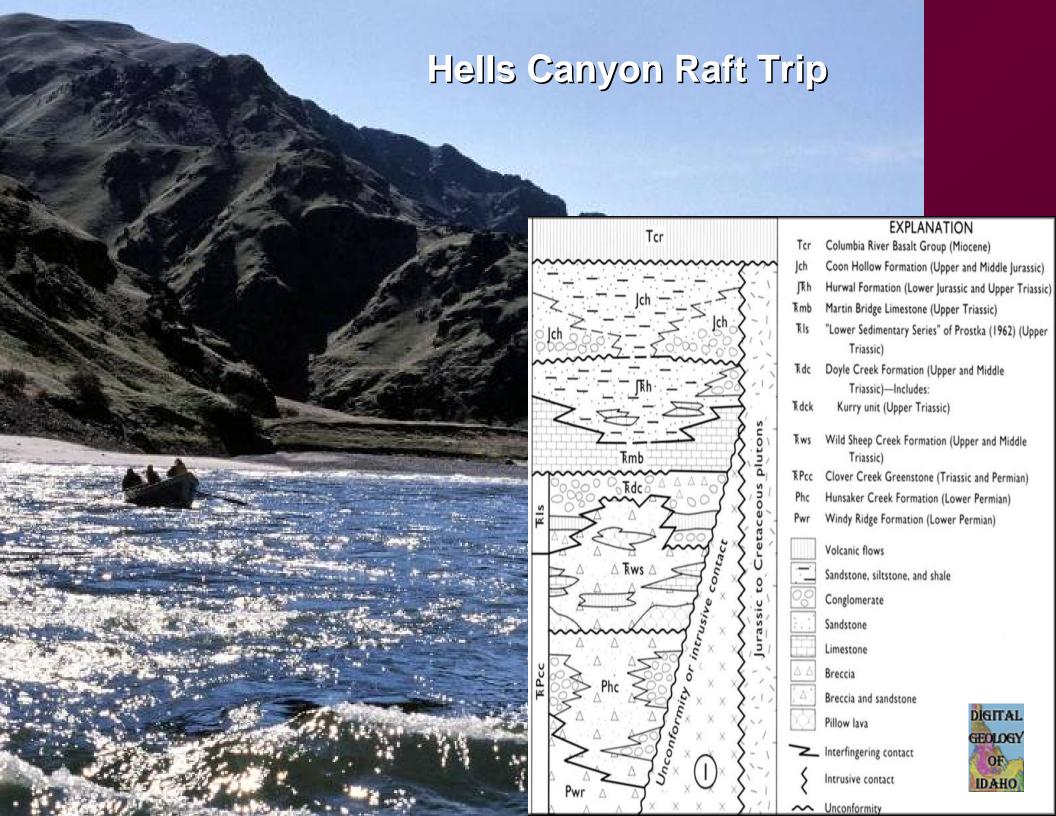
Kleinschmidt Grade, Seven Devils Terrane: Pyroclastic rocks and water laid tuffs of Lower Permian Hunsaker Formation - lower Seven Devils Group - Wallowa Terrane, Kleischmidt Grade.



Formation - upper Seven Devils Group - Wallowa Terrane, Kleinschmidt Grade; FS Route 50, Adams County.

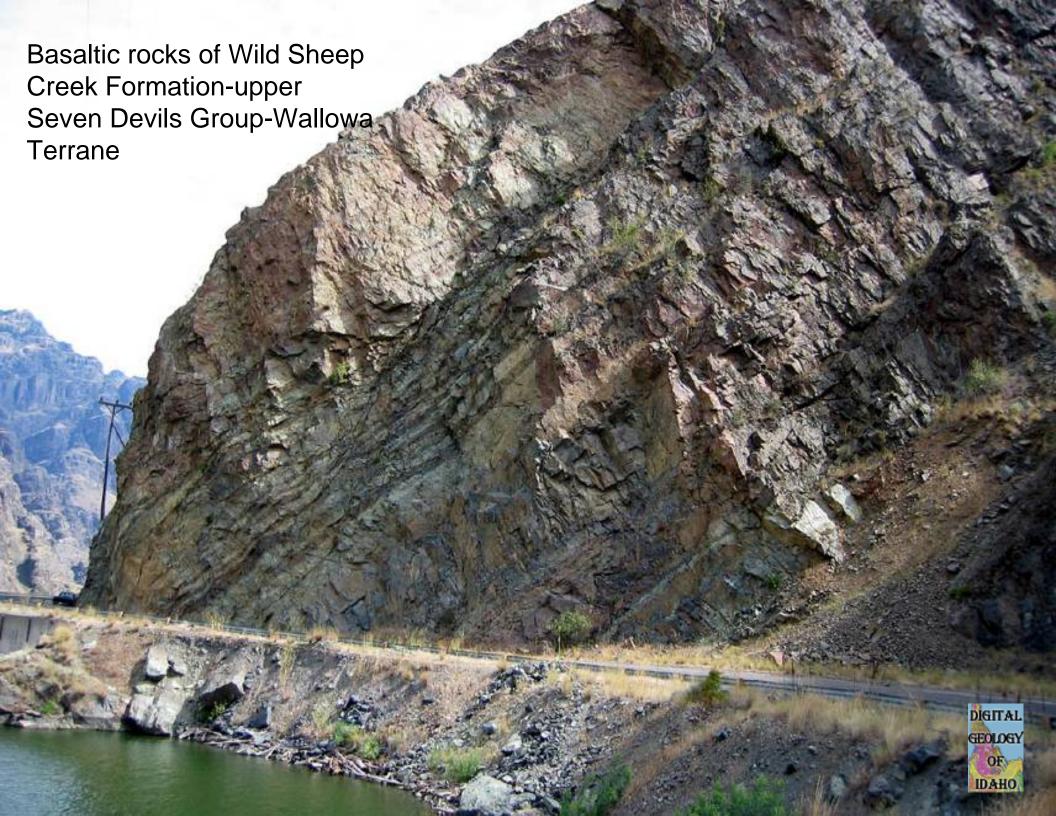


Greenstone basalt or andesite of Triassic Wild Sheep Creek Formation - upper Seven Devils Group-Wallowa Terrane. FS Route 50, Adams County.



In Hells Canyon: View of folded Upper Triassic Martin Bridge Limestone on Oregon side of Snake River from Big Bend - Wallowa Terrane.







Basaltic rocks across river from Steamboat Creek-Wild Sheep Creek Formation -upper Seven Devils Group-Wallowa Terrane



Upper and Middle Triassic Wild Sheep Creek Formation

Folding, faulting, & uplift
Mid-Late Jurassic
shale & conglomerate

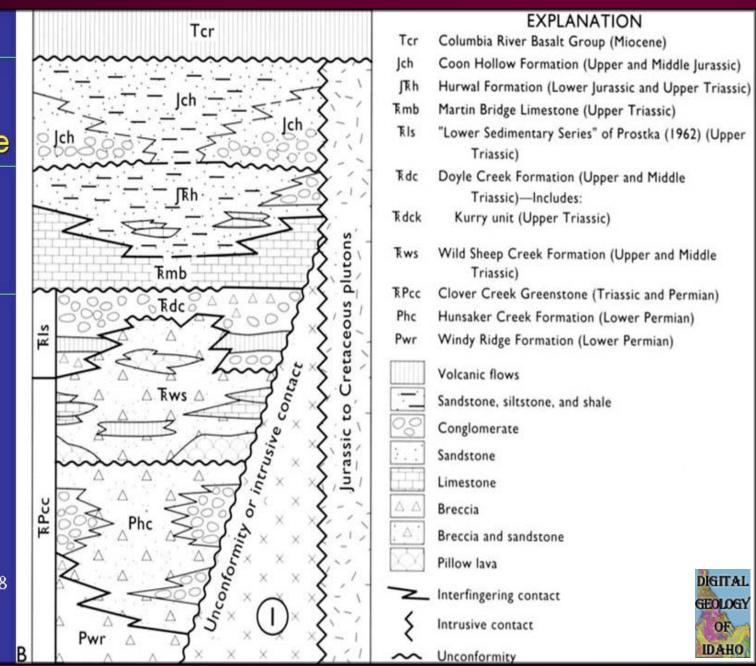
Uplift & erosion

Late Triassic- Early
Jurassic limestone

Arc volcanism ceases

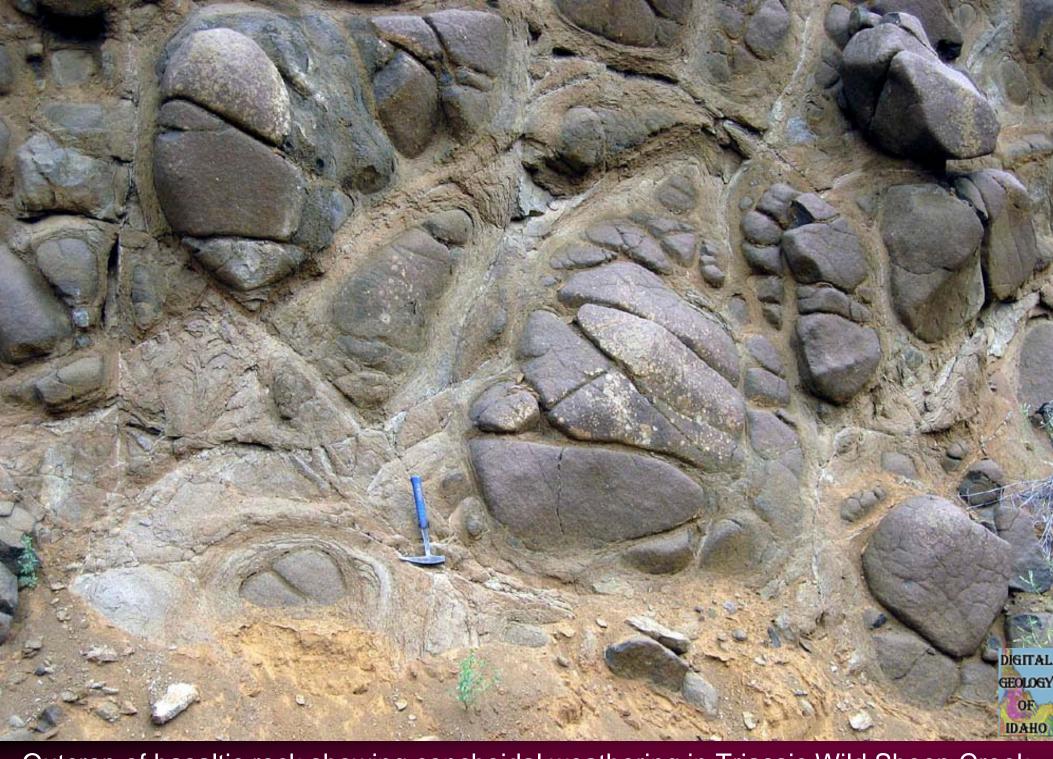
Permian-Triassic island arc volcanism (active subduction)

From Vallier, 1998

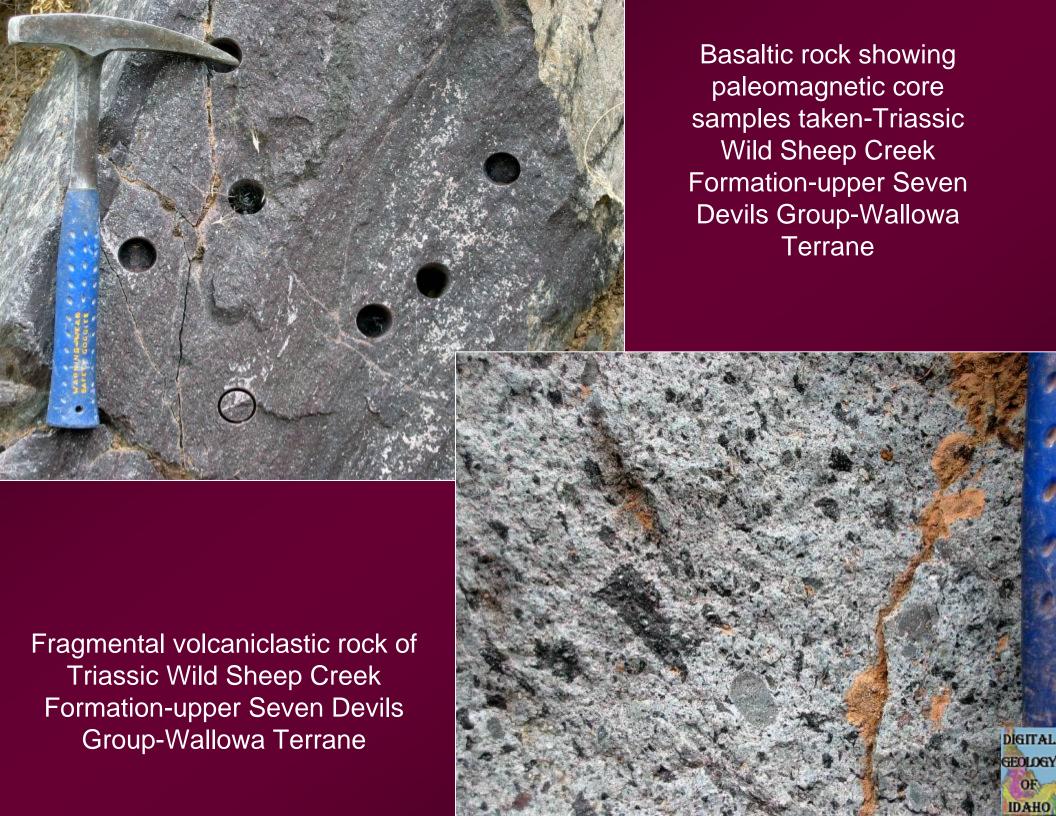




Outcrop of basaltic rock showing pillow structure-Upper and Middle Triassic Wild Sheep Creek Formation-upper Seven Devils Group-Wallowa Terrane

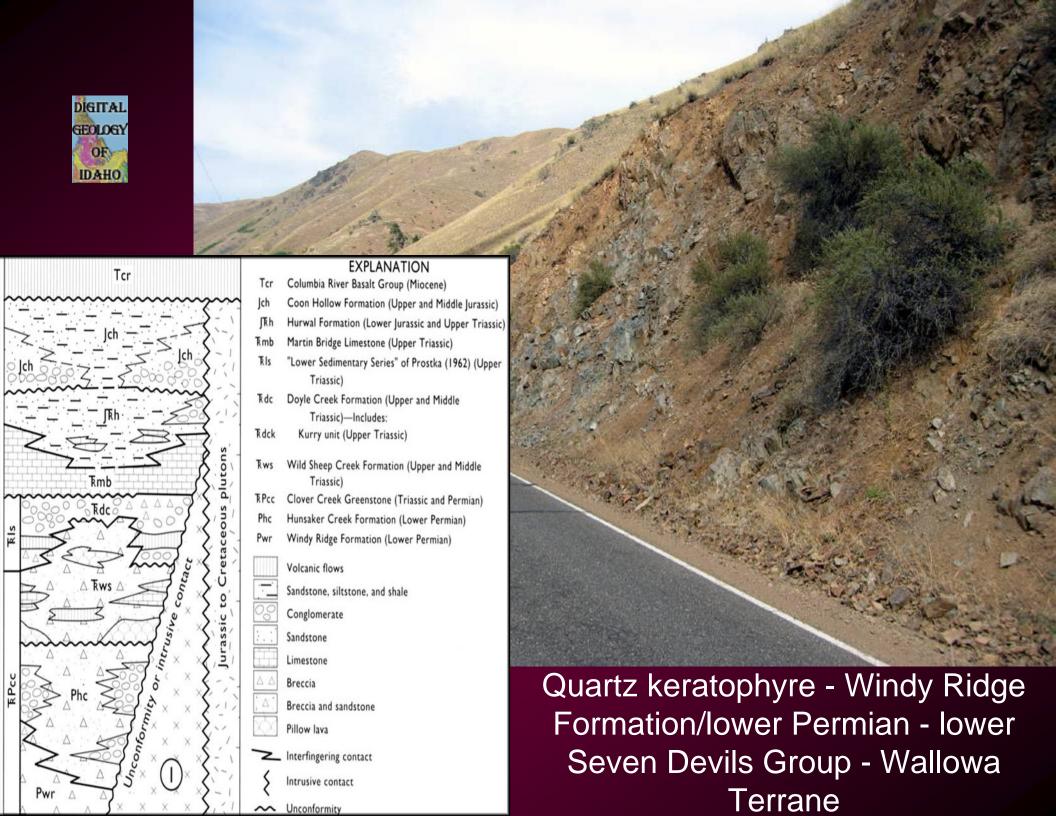


Outcrop of basaltic rock showing conchoidal weathering in Triassic Wild Sheep Creek Formation-upper Seven Devils Group-Wallowa Terrane





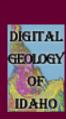
Slickenside in basaltic rocks of Wild Sheep Creek Formation - upper Seven Devils Group - Wallowa Terrane



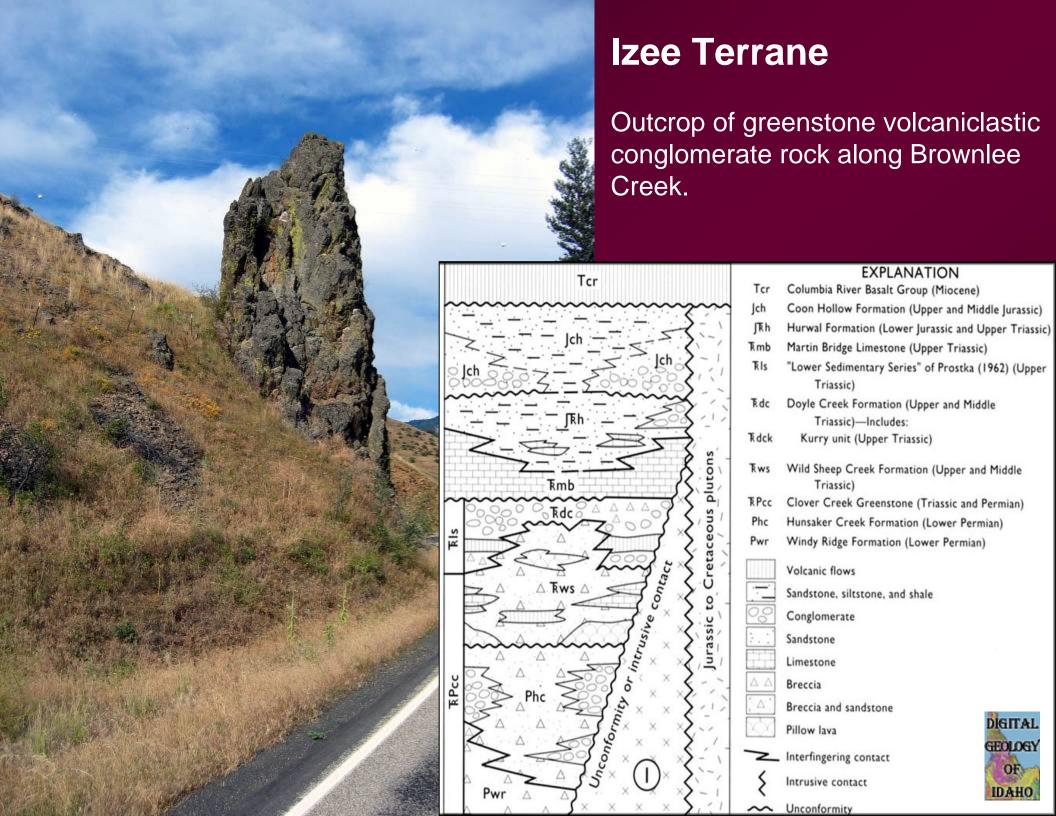


Greenstone volcaniclastic conglomerate along Brownlee Creek-Izee Terrane





Quartz keratophyre - Windy Ridge Formation - Iower Seven Devils Group - Wallowa Terrane

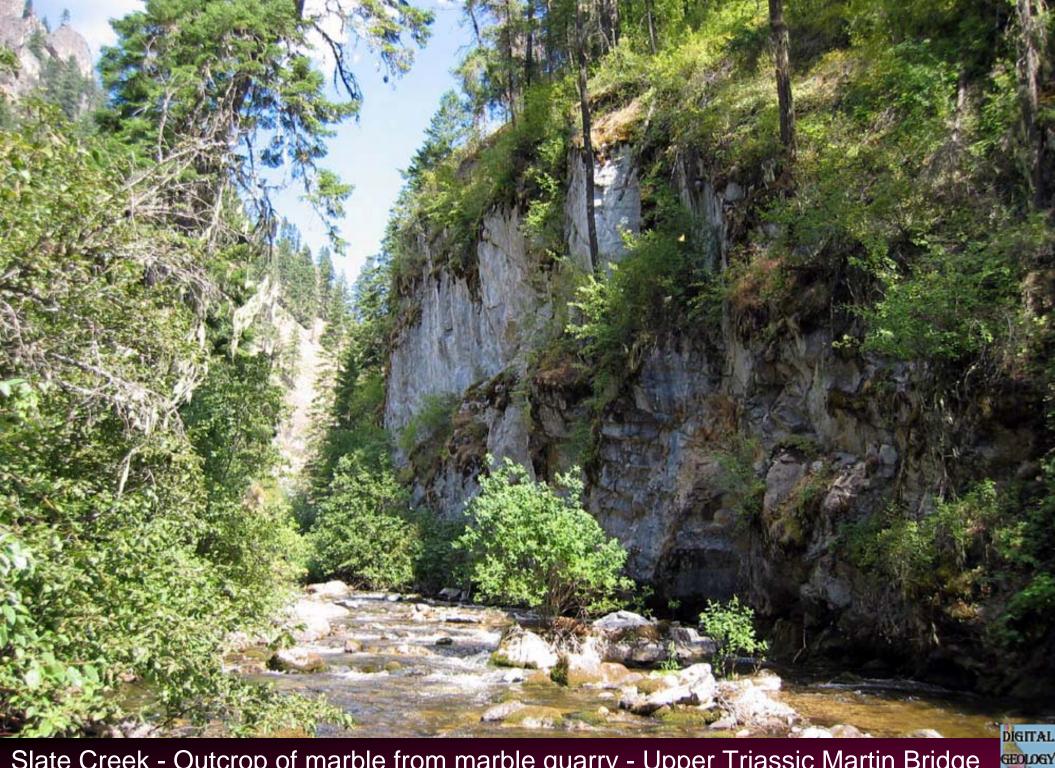




Greenstone volcaniclastic rock along Brownlee Creek - Izee Terrane



Triassic Martin Bridge Limestone above volcaniclastic rocks of the Seven Devils Group
- Rapid River - Wallowa Terrane



Slate Creek - Outcrop of marble from marble quarry - Upper Triassic Martin Bridge Formation

IDAHO



Close-up of schist in Slate Creek antiform-Upper Triassic Martin Bridge Formation





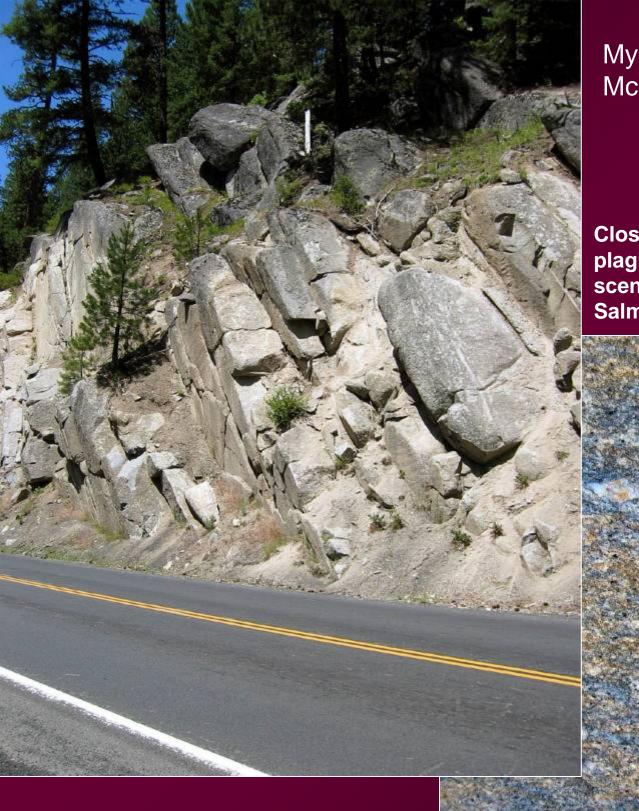








Muscovite chlorite schist along Little Salmon River-Baker Terrane



Mylonitic gneiss-between McCall and New Meadows, Hwy 95.

Close-up of mylonitic gneiss with plagioclase megacrysts taken from near scenic overlook above Goose Creek, Salmon River Suture.





Mylonitic gneiss with plagioclase megacrysts taken from near scenic overlook above Goose Creek, Salmon River Suture.



Foliated hornblende biotite tonalite above Rapid River, near Wildhorse Saddle



Seven Devils Group along South Fork Clearwater near Harpster Grade



Ultramafic intruding schist, Time Zone Bridge, one mile north of Riggins, Highway 95





Felsic dikes in greenstone basalt or andesite - view from below Sheep Lake looking east.





Greenstone volcaniclastic rock - Heaven's Gate Lookout in background



Shale on McClinery Ridge-note fold

