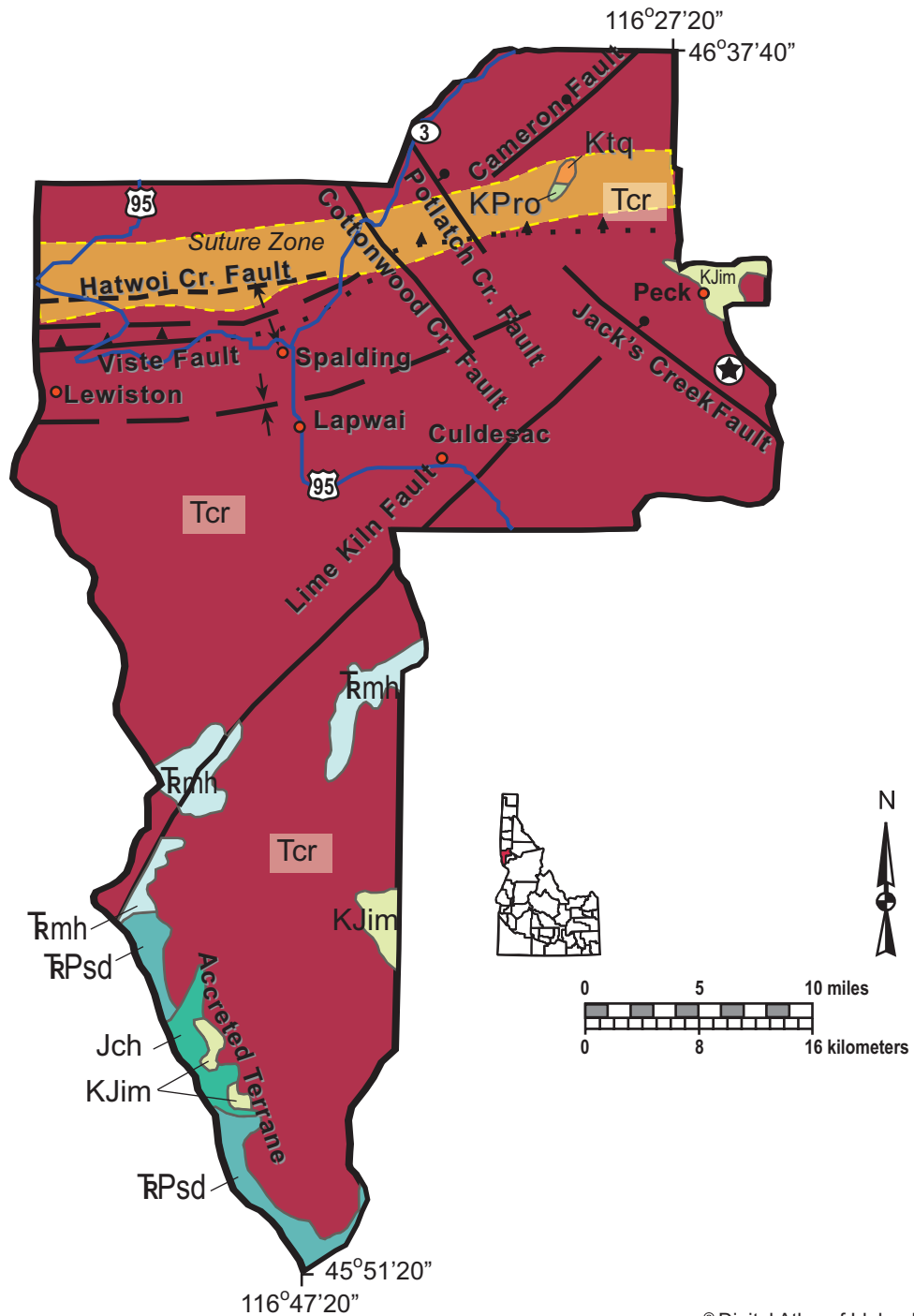


Nez Perce County, Idaho



Nez Perce County

Almost all of Nez Perce County is underlain by the Miocene basalts of the Columbia River basalts which make up the steep sided plateau south of Lewiston. South of the suture zone, which runs east-west along the Clearwater River through Lewiston, these basalts lapped against Cretaceous and Jurassic island arc and sedimentary rocks of the Seven Devils complex and other accreted terranes.







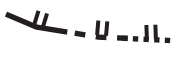







The Miocene basalts filled in and flowed up an ancestral Clearwater River canyon about 17 million years ago.

Written by P.K. Link, 9/02

Description of Map Units for Nez Perce County, Idaho

- Tcr Miocene basalt (Columbia River Basalt Group); flood basalt, extensively exposed in western Idaho; fed by fissures, many of which are near the Idaho-Oregon border. Flowed eastward up valleys cut into the Idaho mountains.
- Ktg Cretaceous tonalite and quartz diorite; hornblende and biotite bearing early phases of the Idaho batholith. Intruded about 90 to 95 Ma.
- KJim Dioritic and gabbroic rocks of the Blue Mountains island arc terrane. Some are about 140 Ma.
- Jch Sedimentary rocks of the Coon Hollow Formation (Wallowa Terrane).
- Rmh Martin Bridge and Hurwal Formations (Wallowa Terrane).
- RPsd Triassic to Permian Seven Devils Group; metavolcanic and metasedimentary rocks (Wallowa Terrane).

Symbols

	Geologic unit contacts with unit designation.		Overturned anticline: trace of axial plane.
	Normal fault: certain; dashed where approximately located; dotted where concealed.		Overturned syncline: trace of axial plane.
	Thrust fault: certain; dashed where approximately located; dotted where concealed.		Location of ISU Rockwalk rock from each county.
	Detachment fault: certain; dashed where approximately located; dotted where concealed.		Cities
	Anticline: trace of axial plane: large arrow indicates direction of plunge.		Feature location
	Syncline: trace of axial plane: large arrow indicates direction of plunge.	Roads	
			Interstate Route
			U.S. Route
			State route