



EXPLANATION

Tertiary	Tcr	Columbia River basalt Fine-grained dark rock with columnar jointing, vesicular in the upper parts of the flows
	UNCONFORMITY	
Jurassic (?) Tertiary (?)	d	Dikes Granite porphyry and lamprophyre
	Kjt	Tonalite Coarse-grained light-gray gneissic rock rich in plagioclase and containing quartz, biotite, and locally hornblende and garnet
	Kjad	Quartz diorite Coarse-grained gneissic hornblende-plagioclase-quartz rock with some epidote
Jurassic or Cretaceous	Kjg	Gabbro Mainly coarse-grained hornblende-plagioclase rocks with some quartz and epidote; norite is included
	Kjh	Hornblende Coarse-grained black hornblende rock
	Jm	Metadiabase Coarse- to medium-grained hornblende-plagioclase-epidote rock
Jurassic (?)	pCws	St. Regis and Wallace formations Biotite schist, some layers contain garnet and sillimanite
	pCr	Revett quartzite Coarse-grained quartzite, contains some biotite flakes
	pCbq	Burke and Prichard formations Biotite schist Some layers contain garnet and sillimanite
Precambrian	pCa	Amphibolite Medium-grained dark rocks rich in hornblende. Many occurrences contain garnet; kyanite occurs with garnet and anthophyllite in one locality
	pCda	Diopside amphibolite Consists of alternating thin layers of olive-green diopside-plagioclase rock and dark hornblende-rich rock
	pCs	Biotite schist Thin-bedded medium-grained gray rock with hard greenish lime silicate layers consisting of quartz, diopside, hornblende, and garnet
Precambrian	pCsi	Lime silicate rock Inhomogeneous rock consisting of diopside, plagioclase, epidote minerals, and grossularite with occasional scapolite, phlogopite, and hornblende
	pCl	Limestone Consists of coarse- to medium-grained white to grayish calcite; dolomite is rare
	pCda	Diopside-plagioclase quartzite Medium-grained green quartzite with gneissic layers consisting of diopside, plagioclase, and locally epidote
Precambrian	pCqt	Biotite quartzite Thin-bedded fine- to medium-grained gray quartzite with layers rich in biotite and others rich in plagioclase
	pCbg	Biotite gneiss Medium-grained gray rock with hornblende-bearing layers and with large plagioclase grains. Sillimanite and garnet are rare

—•—•—	Sillimanite
—•—•—	Garnet
—•—•—	Kyanite
—•—•—	Hornblende
—•—•—	Plagioclase grains
—•—•—	Contact, showing dip Dashed where approximately located
—•—•—	Fault, showing dip Dashed where approximately located. U, upthrown side; D, downthrown side
—•—•—	Fault
—•—•—	Showing bearing and plunge of striations
—•—•—	Plunge of minor anticline
—•—•—	Plunge of fold axis
—•—•—	Strike and dip of beds
—•—•—	Strike of vertical beds
—•—•—	Strike and dip of foliation
—•—•—	Strike of vertical foliation
—•—•—	Bearing and plunge of lineation
—•—•—	Strike and dip of joints
—•—•—	Strike of vertical joints
—•—•—	Dike, showing dip
—•—•—	Vertical dike
—•—•—	42
—•—•—	Sample locality

Planimetric base map compiled by Forest Service from aerial photographs, 1934-39  
General Land Office sections only approximately located

GEOLOGIC MAP OF THE OROFINO DISTRICT, CLEARWATER COUNTY, IDAHO

