

EXPLANATION

SEDIMENTARY ROCKS

Recent	Qal	Alluvium	QUATERNARY
Platocene	Qw	Hill wash and older alluvium	
Pliocene (?)	Tsl	Salt Lake formation (Conglomerate, calcareous grit, sandstone, marl, and clay)	QUATERNARY
Upper Pliocene (?)	Kw	Wayan formation (Upper part sandstone, shale, and conglomeratic beds; lower part limestone and red beds, with a massive sandstone near top)	TERTIARY
Lower Pliocene (?)	Kge	Ephraim conglomerate (Red conglomerate, sandstone, and purplish limestone; near base chert-pebble conglomerate)	TERTIARY
Upper Jurassic	Is	Stump sandstone (Thin-bedded and massive greenish-gray sandstone, weathering into platy and blocky fragments)	CRETACEOUS
	Ip	Preuss sandstone (Reddish-gray to deep-red sandstone, usually calcareous, locally shaly)	CRETACEOUS (?)
	Itc	Twin Creek limestone (Chiefly whitish-weathering shaly limestone; basal part largely massive brown sandy limestone)	CRETACEOUS (?)
	In	Nugget sandstone (Chiefly reddish to pinkish dense sandstone; some shaly beds and locally limestone bands with red shale near top)	CRETACEOUS (?)
	Fws	Wood shale (Thin-bedded brilliantly red sandstone and red shale, locally gyttiferous)	JURASSIC
	fd	Deadman limestone (White, locally reddish or greenish limestone, massive, cherty, locally nodular; locally interbedded mottled limy shale)	JURASSIC
	fb	Higham grit (White to pinkish quartzitic grit; conglomerate with small quartzite pebbles, coarse quartzite or sandstone)	JURASSIC
	fty	Timothy sandstone (Thin-bedded yellowish to grayish, somewhat sugary sandstone)	JURASSIC
Lower Triassic	Tr	Thaynes group (Upper part (Portneuf limestone) chiefly massive drab siliceous limestone, but includes red-bed member; middle part (Fort Hall formation) yellowish and gray sandstone and shale; basal part (Ross Fork limestone) grayish and yellowish limestone, shale, and sandstone with Meekoceras zone at base)	TRIASSIC
	Rw	Woodside shale (Olive-drab platy shale, with thin beds of brownish-gray limestone; massive fossiliferous limestone near top)	TRIASSIC
Permian	Cpb	Phosphoria formation (Ree chert member, Cpb, at top; Cps, phosphatic shale, yellowish to brown phosphatic sandstone, brown or black ferrid limestone, locally beds of chert)	TRIASSIC
Permian	Cw	Wells formation (Upper part chiefly dense, hard siliceous limestone; middle part softer sandy limestone, quartzite, and sandstone; lower part sandy and cherty gray limestone and sandstone)	TRIASSIC
Mississippian	Cb	Brazer limestone (Massive light-gray to dark-gray limestone, weathering white to light gray)	CARBONIFEROUS
	Cm	Madison limestone (Thin-bedded bluish-gray limestone, weathering brown or gray; also massive beds of light-gray limestone)	CARBONIFEROUS

IGNEOUS ROCKS

b	Basalt	TERTIARY AND QUATERNARY
bc	Basaltic cones	

Fault

Inferred fault

Fault concealed by surface deposits

Anticlinal axis

Synclinal axis

Strike and dip of rocks

Strike of vertical dip

Phosphate prospect

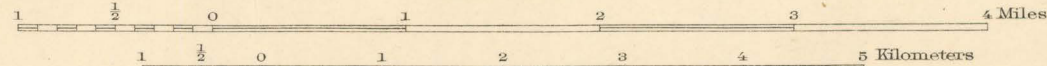
Nitrate prospects

Metalliferous prospect

Line of profile on Plate 10

GEOLOGIC MAP OF THE LANES CREEK QUADRANGLE, IDAHO

Scale 62500



Contour interval 50 feet.

Datum is mean sea level.

1927

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Surveyed in 1912-1916