TABLE 21. Mines and prospects of the Pine Forest Range (Warm Springs [Vicksburg and Ashdown], Leonard Creek, Pine Forest, and Cove Meadow districts).

Name	Location	Owner	Commodity	Geology and workings	Production and remarks
78.[1] Defense mine.	About 10 miles by road south of Denio, Nevada, on the west flank of the range.	Vern Cannon, Denio, Nevada.	Tungsten.	Faulted sequence of interbedded biotite schist, light-colored fine-grained gneiss and at least one marble bed. Gneissic biotite hornblende granodiorite intrudes southern part of area, and many aplite dikes cut granodiorite and metamorphic rocks. Ore body is on contact of marble and schist with granodiorite. Northeasterly trending shear zones mineralized with scheelite bound the ore body on the north and south.	Mined during World War II by glory hole and short adit. Worked underground in 1956. Some fairly high-grade ore was milled at the Ashdown mill.
79. Last Chance property.	About 1 mile south of Defense mine along range front.	M. A. Jensen and J. S. Alexander, in 1944.	Tungsten.	Country rocks are granodiorite, mica schist, and hornblende schist. There are several scheelite-bearing tactite bodies, none of which are wider than 2 feet. Some samples from prospect pits average 0.2 percent WO_3.	No record of production.
80. Ashdown mine.	About 12.5 miles by road south of Denio, Nevada, in canyon near west front of range.	Vern Cannon.	Gold.	Rather narrow, gently dipping (generally less than 40°) quartz veins in granodiorite become steeper downward. Granodiorite is locally gneissic. Intrusive rocks overlain to west by rhyolite tuff and dacitic welded tuff. Gold occurs free in quartz. Small amount of pyrite, tetrahedrite, and galena in quartz, also.	Most of the production from the area has come from this mine.
81. Cherry Gulch mine.	In canyon about 1 mile south of Ashdown mine.	Unknown.	Gold.	Quartz veins in granodiorite.	No record of production.
82 Homer Verne mine.	Sec. 6, T. 44 N., R. 30 E., east side of crest of range about 18.5 miles due south of Denio, Nevada.	Unknown.	Unknown.	Quartz veins cutting metamorphic rocks—hornfels, schistose, quartzite, slate. Explored by two adits, one of which is caved.	Local residents report considerable production.
83. Saddle prospect.	About 3 miles north of Sentinel Peak on and near the crest of the east ridge of the range.	J. Noviack and J. F. Barnes, Reno, Nevada.	Tungsten.	Tactite bodies sporadically distributed along contact between granodiorite and carbonate unit of pre-Cretaceous Mesozoic Age. Exploration program consisting of trenching and drifting along the contact failed to discover any large bodies of ore (R. G. Reeves, and H. W. Jones, written communication, 1956).	No record of production.
Juanita group.	Secs. 31, 32, T. 42 N., R. 28 E.	Mrs. Josie Pearl, in 1942.	Gold, antimony.	Unknown.	
Desert View prospect.	Southwestern part of Pine Forest Range. Sec. 35 (?), T. 43 N., R. 28 E.	Unknown.	Copper, molybdenum.	Porphyritic granodiorite and dark-gray, fine micaceous schist or phyllite. Granodiorite cut by steeply north-dipping quartz veins striking east to northeast, which pinch and swell along strike and contain molybdenite, chalcopyrite, and pyrite in the wider parts (C. A. Anderson and M. W. Cox, written communication, 1943). Low-grade veins with very little development work.	
84. Leonard Creek placers.	Near base of western ridge of range on southwest fork of Leonard Creek.	Unknown.	Gold.	Values in gold distributed throughout alluvium to bedrock which is soft tufa according to Vanderburg (1938, p. 30).	Vanderburg (1939, p. 29) says the production is reported to be about $5,000.
85. Cove Meadow.	Sec. 17, T. 42 N., R. 28 E.	Frank W. Roberts, Caldwell, Idaho.	Copper.	Trengove (1950, p. 3) reports copper deposits along a shear zone striking N. 45° W. and dipping 50°–60° NE. The shear zone cuts andesite which has been intruded by diorite and both of which have been intruded by granodiorite. Limonite, cuprite, malachite, azurite, and chrysocolla occur in the shear zone near the surface.	Trengove (1950, p. 1) reports the production to August 1, 1949 amounted to 98 tons of hand-sorted ore, assaying 5.1 percent copper.

[1]Numbers correspond to those shown on plate 3.