

SOUTHERN SLOPES OF WALLOWA RANGE

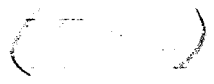
WALLOWA
R.
HOMESTEAD
(S.R.) DIST.

Much of the area south of the Wallowa range and north of lower Powder river is covered by recent lava flows. Those areas not so covered are, with the exception of the small area of granite upon which the town of Sparta is located, made up of old sediments and old lavas and volcanics. The steep slopes and high ridges which form the upper drainage area of Eagle creek are made up of various sediments and old volcanic flows and breccias in considerable complexity. The lower foothills from near Sparta west to North Powder, where they are not covered by Columbia basalt, are seen to be made up almost entirely of greenstones.

EAGLE CREEK DISTRICT

Eagle creek is an important stream with several branches that head far back into the Wallowa range. Upon these several branches which reach even to the western limits of the Cornucopia mining district are many quartz veins and placer deposits. There has been little

activity in the development of quartz veins in recent years, but the placers, although not as active as formerly, are worked in a small way.



Much limestone is found in the upper drainage area of Eagle creek. This limestone and the other sediments which are largely calcareous appear to have once covered much of this region but now only remnants remain which have escaped erosion. These limestones, sandstones and argillites have frequently been made schistose and crystallized by the mountain building forces which created the Wallowa range.

It appears probable that in this locality as elsewhere in the Wallowa region these sediments were laid down upon a wide belt of old lavas and breccias. Volcanic breccia is also frequently interbedded with them. These breccias and old flows have been generally altered and nearest to the Wallowa granodiorite intrusion have been compressed and altered into dark green amphibolitic schist.
