The upper valley of the main Yakama from its exit from the mountains to the mouth of the A-tah-nam is separated by the spurs already alluded to into several basins, of which that around Ketetas is the largest. In these there are some tracts of pretty good soil, chiefly on the margin of the streams, but very limited in extent compared with the barren country around. The lower valley which is much larger being from six to ten miles wide and forty in length is for the most part a waste. The soil throughout is sandy and there appears to be but little difference between that in the bottom and on the hills. The Artemisia Purshia and compositae as a general thing cover the ground to the line of the spring freshets.

It is the opinion of many indeed, that wheat would thrive well upon the Artemisia land. and that in particular winter wheat would be supplanted advanced before the drought sets in. not to suffer by it. The fact remains to be ascertained by experiment but as applied to the district at large does not seem probable. Upon the immediate borders of the river, land produces pretty well. The potatoes raised by the Indians are very fine in spite of their rude cultivation. Melons and squashes which they also raise do not succeed well, probably on account of their seed being poor, but corn does not

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