

Latitudes, departures and closing errors.

Line designated	True bearing	Distance	Latitude		Departure	
			N.	S.	E.	W.
4th. Stand. Par.	West	476.45				476.45
West boundary	South	479.80		479.80		
South boundary	S. 89° 59' E	477.68		.14	477.68	
East boundary	North	480.00	480.00			
Convergency						.60
			480.00	479.94	477.68	477.05
			479.94		477.05	
				.06		
						.63

Error in latitude
Error in Departure

General Description.

This Tp. is mostly mountainous, rolling land being found in the central and S.E. portion. The west central part is traversed by the main summit of the Simpson Park range of mountains, the drainage to the west thereof into Grass Valley and the drainage on the east and south into Monitor Valley. The mountains are very broken and rough, high precipitous cliffs of granite bordering the higher ridges and spurs. The soil in the mountainous portion is generally a light brown clay loam, medium texture, mixed with decomposing granites and broken granite rocks. Many of the canyons, ravines and draws have a deep rich loam, which grows dense sagebrush and in many cases small natural meadows of wild hay. These draws and ravines are generally too narrow to be utilized to any great advantage for production of crops. The soil in the rolling portion in the southeast is a gravelly loose light clay loam about 10 ins. deep, with a compact clay subsoil.

Mountains in the northwest, northeast and central portions are well timbered with pinon pine, juniper and scrub mountain mahogany. This timber usually predominates on the top of ridges and spurs and the steep slopes thereof, very little timber being found in the rolling hills and along the ravines. This timber is useful for fence posts, firewood and charcoal. Quaking aspen on high slopes and along ravines along W. bdy.

The ranch of Wm. Hickison, formerly known as the Ackerman ranch, is located in secs. 15, 16, 14 and 23. This ranch produces wild hay, alfalfa, small grains and the hardier vegetables. A natural meadow which produces wild hay is found along a ravine running through secs. 15 and 16. Water for irrigation purposes is obtained from the melting snows in the spring and from numerous springs found in the ravines and draws. One large spring located in the east central portion of sec. 16 furnishes water for stock purposes and also for irrigating meadow in sec. 15.

A small creek which heads in near the west boundary of the township runs westward across the boundary from sec. 18 into Steiner creek approximately 4 miles west. This creek furnishes water for numerous herds of cattle, sheep and horses which feed in the vicinity.

Traces of minerals are found in the quartzite formations in secs. 27, 28, 33 and 34.

Wm. Hickison is the only settler within the township. The township is most useful for grazing purposes.

W. W. Johnston
U.S. Transitman

Aug. 18, 1915
H. W. *H. W. Reppert*
U.S. Surveyor.