

Latitudes, Departures and Closing Errors.

Line designated	True bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
4th. St. Parallel	West	480.00				480.00
W. Boundary	North	481.20	481.20			
N. Boundary	N. 89° 58' E	479.04	.30		479.04	
E. Boundary	South	481.20		481.20		
Convergency					.60	
			481.50	481.20	479.64	480.00
			481.20			479.64
Error in Latitude			.30	Error in Dep.		.36

GENERAL DESCRIPTION.

This tp. is mountainous in the western portion and gently rolling valley plains in the eastern portion. The soil of the mountainous portion is generally a loose light brown clay mixed with volcanic, granite and quartzite rocks; draws with a deep gravelly dark loam. The soil of the plains in the eastern portion is a gravelly brown clay loam, loose surface depth of about 10 ins. and a compact heavy clay subsoil underneath.

Very little timber is found growing in this township, the eastern slope of the mountain in secs. 31 and 32 having a scattering growth of pinon pines which are valuable for firewood.

Nearly all the drainage of the township is eastward into Monitor valley, two deep draws and canyons in the northwest portion draining into Grass Valley on the west.

In the mountainous portion of the township the undergrowth consists of sagebrush, service berry and good growth of bunch grass, with willows along the bottom of several of the deepest ravines and canyons. Sagebrush, shadscale, greasewood, rabbit brush and scant growth of bunch grass constitute the undergrowth of the valley plains in the eastern portion of the township. The township is fair grazing land and furnishes summer feed for sheep, cattle and horses.

Warren Fergusons ranch located in secs. 10, 11 and 14 is irrigated with snow water from the high mountains on the west and northwest and from numerous springs in the ravines which drain through sec. 10. This ranch produces, alfalfa and wild hay, small grains and the hardier vegetables, principally, potatoes, cabbages and beets. A good spring of clear cold water is found in the bottom of Grubb Canyon in the northern part of sec. 29, this furnishes water for stock purposes only. Several good springs of water which are valuable for stock purposes are found throughout the mountainous portion of the township.

The mountains in this township show slight traces of mineral, principally copper ore, of which traces are found in the northwest portion.

Warren Ferguson is the only settler within this township.

U. S. Transitman

Oct. 15, 1915.

U. S. Surveyor.