

Rec^d with Surv Genls letter of August 24th 1860.

Field notes of the Survey of the 1st
Standard Parallel North of the Base
line through Ranges 30-29-28-27-26-25
24-23-22-21-20-19-18-17-16-15-14-13 + 12. E of
the Willamette Meridian in the
State of Oregon + Territory of Washington
by W. J. G. Maxon & Jared S. Howard,
Deputy Surveyors, under their Contract
No 50 bearing date the 2nd day of February
1860.

Survey commenced May 5th 1860
Survey completed May 25th 1860

Note for preliminary oath see notes of
3rd Stand. Par. N. B. of Maxon & Howard

I N D E X
1st. Standard Parallel through Rs 12.70 30 E.

R. 29 E						R. 30 E.					
31	32	33	34	35	36	31	32	33	34	35	36
5	5	5	4	4	4	4	3	3	3	3	3

T. 27 E						T. 28 E.					
31	32	33	34	35	36	31	32	33	34	35	36
8	8	8	8	8	7	7	7	6	6	6	6

R. 25 E.						R. 26 E					
31	32	33	34	35	36	31	32	33	34	35	36
12	12	11	11	10	10	10	10	9	9	9	9

Res. V. 17. P. 93
Res. V. 87 P. 417
** See vol. 17 - runway islands*

R. 23 E.						R. 24 E.					
31	32	33	34	35	36	31	32	33	34	35	36
16	16	16	15	15	15	14	14	14	13	13	13

Res. V. 17. P. 93
Res. V. 17. P. 93

R. 21 E.						R. 22 E					
31	32	33	34	35	36	31	32	33	34	35	36
20	19	19	19	18	18	18	18	17	17	17	16

Res. V. 17. P. 93
Res. V. 17. P. 93

R. 19 E.						R. 20 E					
31	32	33	34	35	36	31	32	33	34	35	36
23	23	23	22	22	22	22	21	21	21	20	20

Res. V. 17. P. 93

R. 17 E.						R. 18 E.					
31	32	33	34	35	36	31	32	33	34	35	36
28	28	27	27	27	26	26	26	25	24	24	24

6 5 4 3 2 1

R. 15 E						R. 16 E.					
31	32	33	34	35	36	31	32	33	34	35	36
32	32	31	31	31	31	30	30	30	29	29	29

Resurveyed - See Vol. 15. p. 2

R. 13 E.						R. 14 E					
31	32	33	34	35	36	31	32	33	34	35	36
37	36	36	36	35	35	34	34	34	33	33	33

6 5 4 3 2 1

R. 12 E					
31	32	33	34	35	36
39	38	38	38	37	37

Res Vol. 53 P. 37

* Re-surveyed through Ranges 20.21.22.23. & 24.
See Vol. 17 page 92

1st. Standard Parallel N. Range 29 East Will. M.

Chains	of earth, trench & pits as per instructions	
80 00	Set post for corner to sects 33 & 34 in mound of earth, trench & pits as per instructions Soil clay & sand, grass good, scattering sage & grease wood, Land gently rolling May 5th 1860.	level
	West on South boundary of Sect 33 Var; 18° E.	
11 50	Trail bears S 22° W & N. 22° E.	Level.
18 75	Trail bears N & S.	Level
38 56	Wey ravine bears N & S.	24
40 00	Set post for 1/4 Sect corner in mound of earth, trench & pits as per instructions.	level
80 00	Set post for corner to Sects 32 & 33 in mound of earth, trench & pits as per instructions Soil poor & sandy, grass light, Country rolling	25
	West on South boundary of Sect 32. Var; 18° E.	
40 00	Set post for 1/4 Sect corner in mound of earth, trench & pits as per instructions	level
80 00	Set post for corner to Sects 31 & 32 in mound of earth, trench & pits as per instructions Soil poor & sandy grass light A little grease wood & cactus. Level.	level
	West on South boundary of Sect 31. Var. 18° E.	
40 00	Set post for 1/4 Sect corner in mound of earth, trench & pits as per instructions	level
80 00	Set Post for corner to Township No 5, North of Ranges 28 & 29 East in mound of earth, trench & pits as per instructions Soil Land very poor, dense growth of sage, ^{interspersed with a little grass,} grease wood & Cactus. Land gently rolling.	level

1st Standard Parallel N. Range 28 East. Will. M.

Chains

West on South boundary of Sect 36
Var. 18° E.40.00 Set post for $\frac{1}{4}$ Sect corner in mound of earth, trench & pits as per instructions 3080.00 Set post for corner to Sects 35 + 36 in mound of earth, trench & pits as per instructions. 25
Soil poor & sandy, little grass, sage grease wood & cactus, Land rolling.West on South boundary of Sect 35.
Var. 18° E.40.00 Set post for $\frac{1}{4}$ Sect corner in mound of earth, trench & pits as per instructions level

80.00 Set post for corner to Sects 34 + 35 in mound of earth, trench & pits as per instructions. level

Soil sand & gravel, sage grease wood & cactus, scattering bunch grass.
Land nearly level.West on South boundary of Sect 34
Var. 18° E.40.00 Set post for $\frac{1}{4}$ Sect corner in mound of earth, trench & pits as per instructions. level

80.00 Set post for corner to Sects 33 + 34 in mound of earth, trench & pits as per instructions. level

Soil poor, sand & gravel, gently rolling, covered with sage grease wood cactus & a little bunch grass.

West on South boundary of Sect 33.
Var. 18° E.

33.00 Wagon road, 80

36.00 Umatilla bottom, very rich land 25

40.00 Set post for $\frac{1}{4}$ Sect corner in mound of earth, trench & pits as per instructions. level43.14 Right bank of Umatilla River
Course of down River N 10° W.

Course of up River S 40° E

46.17 Left bank of river, very rapid, not navi-

1st Standard Parallel N. Range 27 East Will Mu

Chains

80 00 gable. Distance over river 303 lks by measurement
 Set post for corner to Sects 32 + 33 in Mound
 of earth, trench + pits as per instructions
 Soil in bottom first vale, bance sand
 + gravel, on bank of River are a few
 small Willows, small Sage, grease wood
 + scattering grass, $\frac{1}{4}$ of the ground cov
 ered with cactus.

50⁺

West on south boundary of Sect 32,
 Va 18° E.

40 00 Set post for $\frac{1}{4}$ Sect corner in Mound
 of earth, trench + pits as per instructions

40⁺

80 00 Set Post for corner to Sects 31 + 32. in
 mound of earth. trench + pits as per instructions
 Soil sand + gravel, grass poor, Sage
 scattering + small, Land ascend to the West

50⁺

West on south boundary of Sect 31,
 Va 18° E.

40 00 Set post for $\frac{1}{4}$ Sect corner in Mound
 of earth, trench + pits as per instructions

50⁺

80 00 Set Post for corner to Township No 5,
 North of Ranges 27 + 28 East in Mound
 of earth, trench + pits as per instructions
 Soil sand + gravel, gently rolling cover
 ed with Sage, cactus + scattering grass.
 May E. 18° E.

50⁺

Range 27 E.

West on south boundary of Sect 36,
 Va 18° E.

40 00 Set post for $\frac{1}{4}$ Sect corner in Mound of
 earth, trench + pits as per instructions

25⁺

80 00 Set post for corner to Sects 35 + 36 in
 in mound of earth, trench + pits as
 per instructions.

30⁺

Soil sand + gravel, gently rolling, grass
 tolerably good, little Sage, grease wood,
 cactus, sour weed + wild bean.

1st Standard Parallel N. Range 12 East. Will. M.

Chains

Soil 2nd rate, red clay, very hilly. Timber Fir + Pine. Undergrowth Vine Maple Cherry + Wenlock very dense.

West on South boundary of Sect 31.
Var. 187 $\frac{1}{2}$ E.

14.09

Marked Pine tree 24 in. diam. on edge of perpendicular bluff, on east fork of White Salmon River, for corner to fract. Sect. 31. Township No. 5 North of Range No. 12 East of the Willamette Meridian, as the Cañon below this post is 2000 feet deep and the country beyond being very rough + broken I here terminate the survey of the 1st Stand. Parl. North of the base line.

150

Soil 2nd rate, broken, Timber Pine + Fir Undergrowth Vine Maple + Hazel.

Mt. Adams bears, 17 $^{\circ}$ N

May 25, 1860.

ditto ^N 17 $^{\circ}$ E.

General description

36 The line through Ranges 30-29-28-27-26 + 25. passes over a very poor tract of ~~tract of~~ country, of wood, and water except the Umatilla + Columbia rivers, grass mostly thin + light. Through ranges 24-23-22 + 21, 20. 19-18-17- the soil is better, consisting of clay + sand, but very dry + rolling.

446 clay + sand The balance is mostly high, + rolling country, poorly watered + lightly timbered with pine + oak. There are no settlers on the line until its intersection with the Clackamas valley.

List of names of the individual employed to assist in running & measuring &c. marking the lines described in the foregoing field notes showing the respective capacities in which they acted,

W. J. G. Maxon, Compassman
 John A. Tennent, Chainman,
 J. P. Carter, Chainman,
 John A. Dunlap, Chainman,
 Francis Gab, Chainman,
Benj. Franklin, Axeman & Ground builder

Peter J. Stice, left without notice while the party were in the field, and Francis Gab, took his place as Chainman on the 17th day of May & as there was no qualifying officers within many miles, I wrote out the form of affidavit and had Gab sign it.

W. J. G. Maxon,
 Compassman.

For affidavits of assistant aids and Compassmen, see notes of 3rd Stand, Parl, North of base line, & east of Guide Meridian by Maxon & Heard, under their ^{contract} No. 50, bearing date Febr. 2nd 1860.

Surveyor General's Office

Olympia, W. T., Aug. 24, 1860.

The foregoing field notes of the Survey of the First Standard Parallel, North through Range No. 12 to 30 inclusive, East of the Willamette Meridian executed by Messrs. Heard & Maxon, under their Contract No. 50 bearing date February 2nd 1860, in the month of May 1860, having been entirely examined the necessary corrections & explanations made, the said field notes & the surveys they describe are hereby approved.

James Pitton,
 Surveyor General, W. T.