

Date: 5/1/2012

Property survey located in the NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, and SE $\frac{1}{4}$ of Section 16 and the NW $\frac{1}{4}$ of Section 21, Township 20 South, Range 10 West W.M., Douglas County, Oregon.

Survey for: Menasha Log Co. LLC, The Campbell Group LLC, It's Manager. PO Box 588, North Bend, Oregon 97459

Survey by: Estabrook Land Surveying, Inc. PO Box 574 Lakeside, Oregon 97449

Narrative:

The purpose of this survey was to mark boundary lines for logging purposes.

The procedure was as follows: I located and tied the Northeast, Northwest, Southwest, Southeast North $\frac{1}{4}$ and East $\frac{1}{4}$ corners of Section 16. I searched for the original West $\frac{1}{4}$ corner, but could not find it. Richard Hintz calculated this corner at a midpoint between the section corners when he subdivided Section 17 as shown on M90-42. However, the GLO notes call for the $\frac{1}{4}$ corner to be 40.45 chains from the section corner to the north and 40.00 chains from the section corner to the south. The GLO notes also say that the $\frac{1}{4}$ corner falls on a ridge. For these considerations a lot of thought and reasoning is going to be needed to establish the $\frac{1}{4}$ corner in question. My clients own all of Section 16, so there is no need to establish the West $\frac{1}{4}$ of Section 16. I then searched for the South $\frac{1}{4}$ corner of Section 16. BLM established this corner in 1952 at a midpoint between section corners. The corner falls in a washed out draw. I could not find this corner. I therefore establish it at a midpoint between section corners. The draw has been washed out to bedrock on the bottom and sides. This made it impractical to drive an iron rod for a monument. I therefore chopped an X in the rock face at the corner position and set a reference monument and marked bearing trees for the X chop marking the corner. I then marked the west, north, east and east $\frac{1}{2}$ of the south boundaries of Section 16 as shown on separate map. I then located and tied the North $\frac{1}{16}$ corner on the west boundary of Section 21 and the West $\frac{1}{4}$ corner of Section 21. I then marked the boundary line from the Northwest corner of Section 21 to said North $\frac{1}{16}$ corner and then to the said West $\frac{1}{4}$ corner. I then located and tied the South and East $\frac{1}{4}$ corners of Section 21 and subdivided the section to establish the center $\frac{1}{4}$ corner. I then marked the east and south boundaries of the Northwest $\frac{1}{4}$ of Section 21.

Equipment used was a Topcon 312 Total Station with HP48/TDS data collector.

Assisting personnel were Jed Massey and Josh Maxwell.

FILED

Date: 5/17/2012 By: nr
 This survey consists of:
 Map: M 163-55
 Narrative: CS 65/75-5 A thru d
 Corner Rpt: _____

DOUGLAS COUNTY
 SURVEYOR

C.S. File No 65/75-5 A

Corner Notes:

1. Corner Sections 8, 9, 16 & 17 – Found monument: 2" iron pipe with brass cap marked T20S R10W S8 S9 S17 S16 1951. Per BLM
 Found BTs: 40" fir stump with healed face and tags, bears N35 3/4°E 33.3'
 A rotten stob with no visible marks bears S69 1/2°E 38.5'
 An 18" fir stump with healed face bears S25°E 10.5'.
 An 18" fir stump with healed face bears S20°W 8.6'.
 A 22" fir stump no visible marks bears N32°W 20.8'.
 New BT's marked:
 A 12" fir face scribed "NW S16 BT" with x-chop and tag bears S80°E 7.8' to a spike at side center.
 An 8" fir face scribed "NE S17 BT" with x-chop and tag bears S60°W 2.9' to a spike at side center.
 A 10" fir face scribed "SE S8 BT" with x-chop and tag bears N27°W 10.9' to a spike at side center.
2. ¼ Corner Sections 9 & 16
 Found monument: A 1" iron pipe with 2 ½" brass cap marked "1/4 S9 S16 1952" in mound of stones. Per BLM
 Found BTs: A 48" fir snag with tag and no visible marks bears S 77 1/2°W 25.7'.
 New BTs marked: 9" fir face scribed "N1/4 S16 BT" with x-chop and tag bears S49°E 2.4' to a spike at side center.
 A 10" fir face scribed "N1/4 S16 BT" with x-chop and tag bears S54°W 19.5' to a spike at side center.
 A 10" fir face scribed "S1/4 S9 BT" with x-chop and tag bears N65°W 8.4' to a spike at side center.
3. Corner Sections 9, 10, 15 & 16
 Found monument: A 2" iron pipe with 2 ½" brass cap marked "T20S R10W S9 S10 S15 & S16 1952. Per BLM
 Found BTs: A 36" fir stump with healed face and tag bears N76°E 7.9'.
 A 56" fir stump with healed face and tag bears S24 1/2°E 8.6'.
 A 28" hemlock stump with rotten face bears S76°W 46.2'.
 New BTs marked: A 12" fir face scribed "NE S16 BT" with x-chop and tag bears S38°W 22.5' to a spike at side center.
 A 13" fir face scribed "SE S9 BT" with x-chop and tag bears N61°W 9.7' to a spike at side center.
4. ¼ Corner Sections 15 & 16
 Found monument: A 1" iron pipe with 2 ½" brass cap marked "1/4 S15 S16 1952" Per BLM
 Found BTs: A 32" fir stump with visible scribe and new tag bears S18°E 26.4' to face.
 A 20" cedar stump with no visible marks and new tag bears N08°W 13.2'.
 New BTs marked: A 13" fir face scribed "W1/4 S15 BT" with x-chop and tag bears N73°E 5.5' to a spike at side center. A 17" fir face scribed "W1/4 S15 BT" with x-chop and tag bears S07°E 10.4' to a spike at side center.
5. Corner Sections 16, 17, 20 & 21
 Found monument: A brass cap marked " County Surveyors office T20S R10W S16 S17 S20 S21 1968" Per Douglas County.

Found BTs: A 66" fir stump with no visible marks and tag bears N 52 3/4°E 132.0'.

A 30" fir stump with healed face and tag bears N 58 1/2°E 130.0'.

New BTs marked: A 32" triple trunk hemlock face scribed "SW S16 BT" with x-chop and tag bears N87°E 89.3' to a spike at side center.

A 31" double trunk maple face scribed "BT" with x-chop and tag bears S04°E 59.1' to a spike at side center.

An 11" alder bark scribed "NE S20 BT" with x-chop and tag bears S20°W 16.0' to a spike at side center.

An 11" alder bark scribed "NE S20 BT" with x-chop and tag bears S70°W 5.9' to a spike at side center.

6. ¼ Corner Sections 16 & 21

Marked corner location with x-chop in rock face.

Set reference monument: A 5/8" x 30" iron rod with plastic cap marked "Estabrook LS 2703" bears N84°08'30"E 43.84' from x-chop marking ¼ corner.

BTs marked for the ¼ corner position:

A 10" alder bark scribed "S1/4 S16 BT" with x-chop and tag bears N56°E 46.8' to a spike at side center.

A 29" fir face scribed "N1/4 S21 BT" with x-chop and tag bears S60°E 84.1' to a spike at side center.

An 18" fir face scribed "N1/4 S21 BT" with x-chop and tag bears S12°W 32.0' to a spike at side center.

A 14" alder bark scribed "N1/4 S21 BT" with x-chop and tag bears S62°W 7.0' to a spike at side center.

Note: Centerline of draw bears east 15.0'

7. Corner Sections 15, 16, 21 & 22

Found monument: A 2" iron pipe with 2 1/2" brass cap marked "T20S R10W S15 S16 S21 S22 1952". Per BLM

Found BTs: A 54" fir stump with no visible marks and new tag bears S63 1/2°E 50.2'.

A 60" fir stump with healed face and new tag bears N61°W 56.8'.

New BTs marked: A 20" fir face scribed "NW S22 BT" with x-chop and tag bears S86°E 31.5' to a spike at side center.

A 20" fir face scribed "NW S22 BT" with x-chop and tag bears S37°E 19.7' to a spike at side center.

A 12" fir face scribed "SE S16 BT" with x-chop and tag bears N39°W 32.1' to a spike at side center.

8. N 1/16 corner Sections 20 & 21

Found monument: A 1 ¼" iron pipe with 2 ½" brass cap marked "T20S R10W S20 S21 PLS 497" Per M90-42.

Found BT: A 42" maple with tag and new bark scribed "X" bears N47°E 44.4'

New BT marked: A 15" fir face scribed "N1/16 S20 BT" with x-chop and tag bears S40°W 54.0' to a spike at side center.

9. $\frac{1}{4}$ corner Sections 20 & 21

Found monument: A 1 $\frac{1}{4}$ " iron pipe with 2 $\frac{1}{2}$ " brass cap marked "T20S R10W S20 $\frac{1}{4}$ S21 PLS 497".

Per M90-42

Found BT: A 64" fir stump with no visible marks bears N62°W 101.4'.

New BTs marked: A 6" fir face scribed "W1/4 S21 BT" with x-chop and tag bears N58°E 2.4' to a spike at side center.

An 8" fir face scribed "E1/4 S20 BT" with x-chop and tag bears S40°W 8.7' to a spike at side center.

An 11" fir face scribe "E1/4 S20 BT" with x-chop and tag bears N39°W 8.6' to a spike at side center.

10. C1/4 Corner Section 21

Set monument: A 3/4" x 30" iron rod with 2" aluminum cap marked "C1/4 S21 2012 LS2703".

BTs marked: A 13" fir face scribed "C1/4S21BT" with x-chop and tag bears N11°E 6.7' to a spike at side center.

A 10" fir face scribed "C1/4S21BT" with x-chop and tag S49°E 13.2' to a spike at side center.

A 17" fir face scribed "C1/4S21BT" with x-chop and tag bears S01°E 7.7' to a spike at side center.

A 20" fir face scribed "C1/4S21BT" with x-chop and tag bears S77°W 15.4' to a spike at side center.

11. $\frac{1}{4}$ Corner Sections 21 & 22

Found monument: A 1" iron pipe with 2 1/2" brass cap marked "1/4 S21 S22 1952". Per BLM

Found BTs: A 60" fir stump with no visible marks and new tag bears N05°E 25.1'.

A 50" fir stump with healed face and new tag bears N17°W 34.3'.

New BTs marked: A 19" fir face scribed "W1/4 S22 BT" with x-chop and tag bears S77°E 9.4' to a spike at side center.

A 17" fir face scribed "E1/4 S21 BT" with x-chop and tag bears S17°W 5.8' to a spike at side center.

12. $\frac{1}{4}$ Corner Sections 21 & 28

Found monument: A $\frac{3}{4}$ " iron pipe per M42-2.

Found BTs: A 21" maple with tag bears S06 1/2°E 37.4'.

A dead maple with tag bears N70 1/2°W 44.5'.

New BTs marked: A 21" fir face scribed "S1/4 S21 BT" with x-chop and tag bears N70°E 57.0' to a spike at side center.

A 17" fir face scribed "N1/4 S28 BT" with x-chop and tag bears S44°E 36.4' to a spike at side center.

