

NOTES

1. Basis of bearings is the California State Plane Coordinate System of 1983, Zone 3, Datum: NAD83 (2011), Epoch 2010, current NSRS/NGS CORS Datum, Projection: Lambert Conformal Conic -- CA Zone 0403, as derived from GPS Observations constrained between HPGN stations PID JT911 and PID JT9614, Grid bearing and distance N32°35'06"W 50,387.777', scaled ground distance 50,390.137'. A convergence angle of -01°26'27.2181" was applied using the Highway Monument "B-156" as the origin point for this survey.
2. Distances and dimensions shown are in grid feet and decimals thereof; SPC CA 3 Grid distances can be to ground distances by applying a Combined Scale Factor of 1.000046843234.
3. The right of way width of Highway One is variable based upon Caltrans "Right-of-Way Record Map R.117.0".
4. All offsets are perpendicular unless otherwise noted.
5. The purpose of this map is to delineate the boundary between lands of USA and lands of The Tomales Bay Shellfish Farms, Inc. as described in Document No. 1996-0040068, Official Records, Marin County Records.
6. Per (R6), the westerly line of said Lands of USA is the westerly lines of a portion of Tide Lands Location No. 1, aka TLL#1, (R9) date of description June 1874. The westerly line of Tide Lands Location No. 1 is described as being "the line of low water". Today, the National Oceanic and Atmospheric Administration (aka NOAA) uses several other nuanced descriptions for both high and low tide lines, such as "Mean Lower Low Water" aka MLLW, and "Mean Low Water" aka MLW for low tides. For purposes of this survey, this surveyor has run the NOAA VDatum software calculation for this location in Tomales Bay, and has accepted the following relationships to be true: MHW is 5.1281 feet above NAVD 88; MLW is 1.2294 feet above NAVD 88 and MLLW is 0.1988 feet above NAVD 88. The basis of our latitude and longitude observation for calculations was PLS Control point #224, located on the beach at the approximate midpoint of lands herein surveyed, 38.1144771, -122.8517839. Other than this one observation, physically establishing that line of elevation, aka the westerly boundary of TLL#1 was not a part of this survey.
7. A line of ancient fence posts and wire remnants extending from the submerged lands of Tomales Bay to the edge of thick riparian vegetation was accepted by this surveyor as being the best evidence of the property line between Tomales Bay State Park and Lands of USA. This line was extended easterly to intersect the westerly right of way line of State of Highway One as calculated from (R4).

REFERENCES

- R1 Record of Survey 2001 Maps 84, M.C.R.
- R2 Record of Survey 30 OS 86, M.C.R.
- R3 Parcel Map 7 PM 91, M.C.R.
- R4 Parcel Map 24 PM 72, M.C.R.
- R5 Caltrans Right-of-Way Record Maps for District IV, Marin 56-C, Sheets R117.26 through R.117.29
- R6 USA Deed Document No. 1994-010730, M.C.R.
- R7 Tomales Bay Shellfish Farms Deed Document No. 1996-040068, M.C.R.
- R8 Book "A" of Patents Page 404, M.C.R.
- R9 Tide Lands Location No. 1 and 2, Deed and Plat

COUNTY SURVEYOR'S STATEMENT

This map has been examined in accordance with Section 8766 of the Professional Land Surveyor's Act this 29 day of December, 2014

Craig Tackabery, County of Marin Surveyor

Richard G. Simonitch
Deputy



SURVEYOR'S STATEMENT

This map correctly represents a survey made by me or under my direction in conformance with the requirements of the Professional Land Surveyor's Act at the request of The National Park Service in July 2014.

PACIFIC LAND SURVEYS, a sole proprietorship

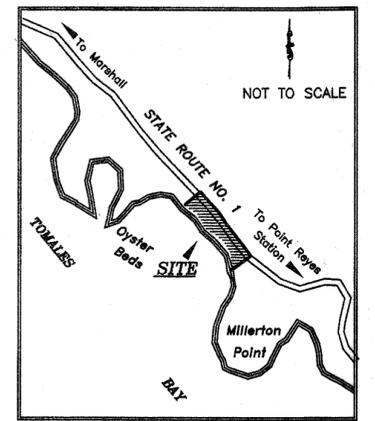
Dated: 12-26-2014

Susan D. Ruschmeyer
Susan D. Ruschmeyer P.L.S. 6702
License Expires 06/30/16



LEGEND

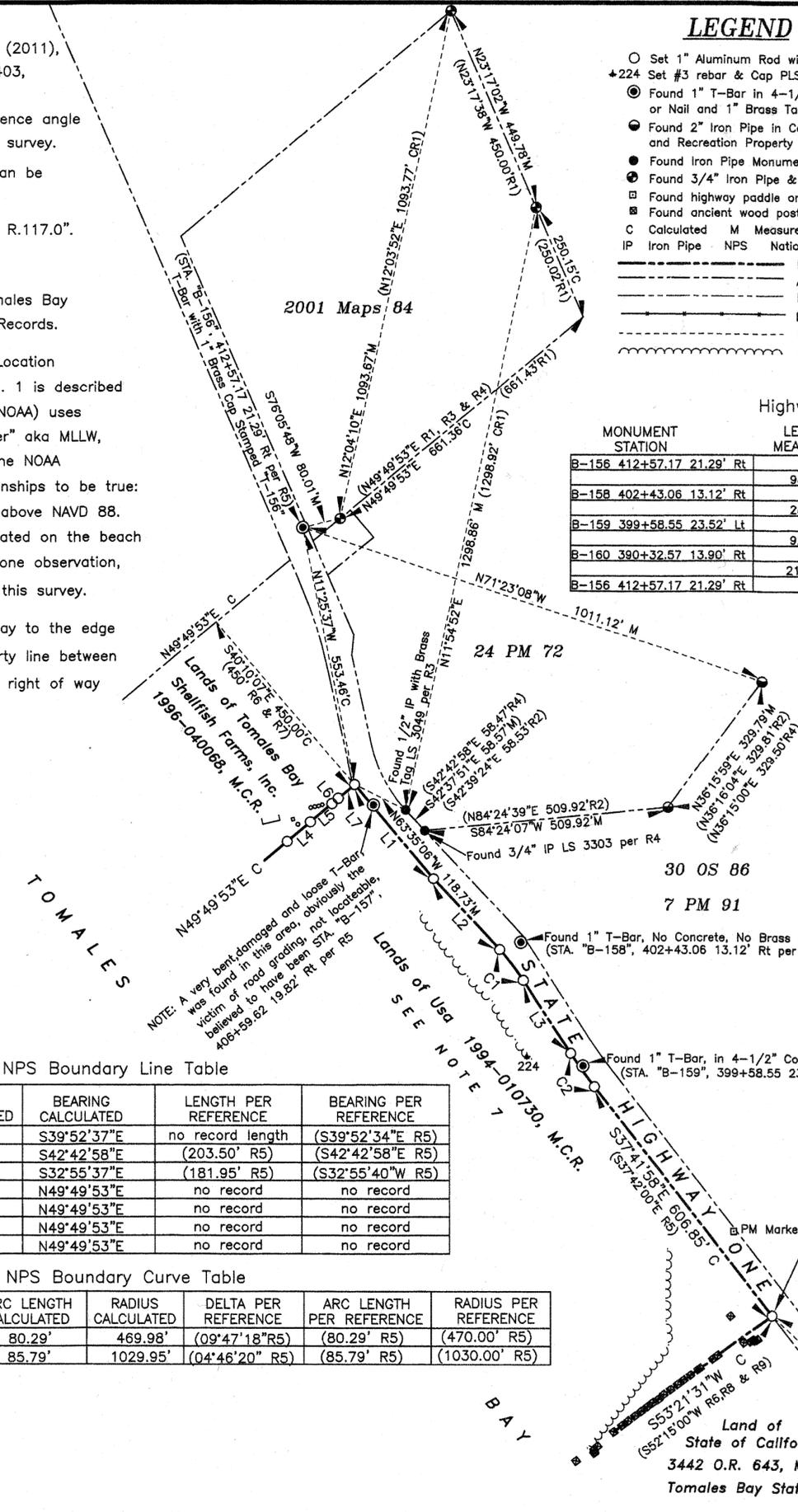
- Set 1" Aluminum Rod with 3-1/4" Aluminum Cap stamped "PLS 6702" or as noted
- ⊕ 224 Set #3 rebar & Cap PLS 6702, Pacific Land Surveys Control Point - See Note 6.
- Found 1" T-Bar in 4-1/2" Diameter Concrete Cylinder Highway Monument with Nail or Nail and 1" Brass Tag per (R4), stamped as noted if applicable
- Found 2" Iron Pipe in Concrete with Brass Cap stamped "Parks and Recreation Property Corner 1992 LS 4280" per (R2)
- Found Iron Pipe Monument per cited reference as described
- Found 3/4" Iron Pipe & Cap LS 6649 per (R1)
- Found highway paddle or sign post as noted
- Found ancient wood post
- C Calculated M Measured UNO Unknown Origin P/L Property Line
- IP Iron Pipe NPS National Park Service MCR Marin County Records
- Boundary of subject property
- - - Approximate Boundary of other lands
- - - Parcel line of record
- - - Existing fence/line
- - - Survey Tie line
- ~~~~~ Edge of Riparian Vegetation



VICINITY MAP

Highway Monument Tie Table

| MONUMENT STATION | LENGTH MEASURED | BEARING MEASURED | LENGTH PER REFERENCE | BEARING PER REFERENCE |
|---------------------------|-----------------|------------------|----------------------|-----------------------|
| B-156 412+57.17 21.29' Rt | 985.34' | S27°34'44"E | (985.39' R5) | (S27°34'31"E R5) |
| B-158 402+43.06 13.12' Rt | 288.64' | S26°39'40"E | (288.59' R5) | (S26°41'18"E R5) |
| B-159 399+58.55 23.52' Lt | 927.65' | S39°56'49"E | (927.80' R5) | (S39°56'17"E R5) |
| B-160 390+32.57 13.90' Rt | 2188.68' | N32°39'58"W | (2188.77' R5) | (N32°39'46"W R5) |



NPS Boundary Line Table

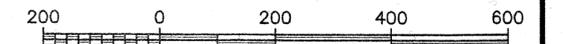
| LINE NUMBER | LENGTH CALCULATED | BEARING CALCULATED | LENGTH PER REFERENCE | BEARING PER REFERENCE |
|-------------|-------------------|--------------------|----------------------|-----------------------|
| L1 | 256.37' | S39°52'37"E | no record length | (S39°52'34"E R5) |
| L2 | 203.50' | S42°42'58"E | (203.50' R5) | (S42°42'58"E R5) |
| L3 | 181.94' | S32°55'37"E | (181.95' R5) | (S32°55'40"W R5) |
| L4 | 63.25' | N49°49'53"E | no record | no record |
| L5 | 58.45' | N49°49'53"E | no record | no record |
| L6 | 17.32' | N49°49'53"E | no record | no record |
| L7 | 44.35' | N49°49'53"E | no record | no record |

NPS Boundary Curve Table

| CURVE NUMBER | DELTA CALCULATED | ARC LENGTH CALCULATED | RADIUS CALCULATED | DELTA PER REFERENCE | ARC LENGTH PER REFERENCE | RADIUS PER REFERENCE |
|--------------|------------------|-----------------------|-------------------|---------------------|--------------------------|----------------------|
| C1 | 09°47'18" | 80.29' | 469.98' | (09°47'18"R5) | (80.29' R5) | (470.00' R5) |
| C2 | 04°46'21" | 85.79' | 1029.95' | (04°46'20" R5) | (85.79' R5) | (1030.00' R5) |

RECORDER'S STATEMENT

Filed this 2ND day of JAN., 2015 at 7:50 A.M.
in Book 2015 of Maps, at Page 1, at the request of the County Surveyor.
Document No. 2015-000054
Fee Paid: \$10
RICHARD N. BENSON
County Recorder
[Signature]
Deputy County Recorder



SCALE: 1"=200'
GRAPHIC SCALE IN FEET

RECORD OF SURVEY

of the Lands of the United States of America known as GOGA Tract 11-101 USDI NPS as described in Document No. 1994-0010730, Marin County Records.
State Highway One Point Reyes Station
A.P.N. 119-060-34
PORTION OF RANCHO NICASIO
COUNTY OF MARIN * STATE OF CALIFORNIA
PACIFIC LAND SURVEYS
P.O. BOX 316 BODEGA, CA 94922 * 707.875.3208