

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SHEET

DATE: 06/23/86

Marine Center: Pacific

OPR: L-123

Hydrographic Sheet: H-10182

Locality: San Pablo Bay, CA

Time Period: July 8, 1985 - March 20, 1986

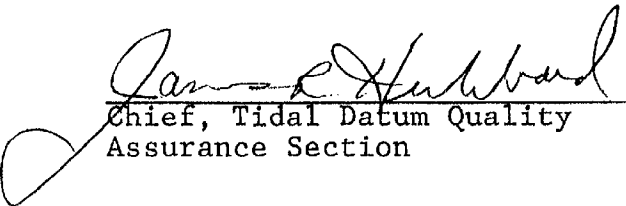
Tide Station Used: see page 2

Plane of Reference (Mean Lower Low Water): see page 2

Height of Mean High Water Above Plane of Reference: see page 2

Remarks: Recommended Zoning:

see pages 3-5


Chief, Tidal Datum Quality
Assurance Section

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<u>Tide Station Used</u>	<u>Plane of Reference(MLLW)</u>	<u>Height of Mean High Water Above Plane of Reference</u>
941-5187	3.06	5.4
941-5196	3.24	5.4
941-5252	8.19	5.3
941-5337	2.36	5.5
941-5338	0.71	4.8
941-5348	0.56	5.5
941-5376	2.05	5.9
941-5416	1.85	6.0
941-5423	1.95	5.7
941-5438	2.95	5.5
941-5447	2.55	4.4
941-5467	3.22	4.4
941-5584	1.54	6.0
* 941-5318	0.86	5.4

FROM PHONE CONV.

7-10-86

Recommended Zoning - OPR: L123, H-10182

- 1) In San Pablo Bay
 - a) West of longitude 122°25.5' zone on 941-5187 and apply a +10 minute time correction to all heights
 - b) East of longitude 122°25.5 to 122°22.0'
 - 1) north of latitude 38°08.5' zone direct on 941-5338
 - 2) south of latitude 38°08.5' zone on 941-5187 and apply a +20 minute time correction to all heights
 - * ~~West~~ **EAST** c) ~~West~~ of longitude 122°22.0' zone on 941-5187 and apply a +30 minute time correction to all heights.
- 2) In Novato Creek, west of longitude 122°29.7' zone direct on 941-5196
- 3) In San Antonio Creek
 - a) From the entrance at Petaluma River, north to latitude 38°10.0' zone on 941-5376 and apply a -10 minute time correction and x0.95 range ratio to all heights
 - b) North of latitude 38°10.0' zone direct on 941-5³76 *
- 4) In Petaluma River
 - a) From the entrance at longitude 122°29.0', north to latitude 38°08.5' zone direct on 941-5252
 - b) North of latitude 38°08.5' to 38°10.2' zone on 941-5423 and apply a -20 minute time correction and x0.94 range ratio to all heights
 - c) North of latitude 38°10.2' to longitude 122°34.5' zone direct on 941-5423
 - d) North ^{WEST} of longitude 122°34.5' zone direct on 941-5584 *
- 5) In Sonoma Creek
 - a) From the entrance, north to latitude 38°09.8' zone direct on 941-5338
 - b) North of latitude 38°09.8' to 38°11.2' zone on 941-5338 and apply a +10 minute time correction and x1.02 range ratio to all heights.

* CHANGE FROM PHONE CONV. 7-10-86

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- c) North of latitude $38^{\circ}11.2'$ to $38^{\circ}11.8'$ zone on 941-5447 and apply a -20 minute time correction to all heights.
- d) North of latitude $38^{\circ}11.8'$ zone direct on 941-5447
- 6) In Second Napa Slough, north of latitude $38^{\circ}11.2'$ to $38^{\circ}11.9'$ at the intersection of Third Napa Slough, zone on 941-5338 and apply a +15 minute time correction and xl.05 range ratio to all heights
- 7) In Third Napa Slough
 - a) From the intersection with Second Napa Slough, northwest to longitude $122^{\circ}24.5'$ zone on 941-5467 and apply a -15 minute time correction and xl.04 range ratio to all heights
 - b) West of longitude $122^{\circ}24.5'$ zone direct on 941-5467
- 8) From latitude $38^{\circ}11.9'$ at the intersection of Third Napa Slough east in Hudeman Slough to the intersection with Napa Slough, zone direct on 941-5438.
- 9) In Napa Slough
 - a) From the intersection with Sonoma Creek, northeast to longitude $122^{\circ}23.7'$ zone direct on 941-5338
 - b) East of longitude $122^{\circ}23.7'$ to latitude $39^{\circ}09.5'$ at the intersection with South Slough, zone on 941-5338 and apply a +10 minute time correction and xl.07 range ratio to all heights
 - c) North of latitude $38^{\circ}09.5'$ to $38^{\circ}11.0'$ zone on 941-5338 and apply a +15 minute time correction and xl.12 range ratio to all heights
 - d) North and then east of latitude $38^{\circ}11.0'$ to the intersection with Napa River and south into Devils Slough to latitude $38^{\circ}11.8'$ zone direct on 941-5416
10.8 *
- 10) In South Slough
 - a) From the intersection with Napa Slough east to longitude $122^{\circ}20.2'$ and northeast in China Slough to longitude $122^{\circ}20.3'$ zone direct on 941-5348
 - b) East of longitude $122^{\circ}20.2'$ to the intersection with Napa River and the entire Dutchman Slough, zone direct 941-5318

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10.8' *

- 11) In Devils Slough south of latitude $38^{\circ}11.8'$ to the intersection with China Slough zone on 941-5416 and apply a +15 minute time correction and x0.94 range ratio to all heights
- 12) In China Slough east of longitude $122^{\circ}20.3'$ to the intersection with South Slough zone direct on 941-5337