

ORIGINAL

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

REVISED TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: June 26, 1991

MARINE CENTER: Pacific

OPR: L-208

HYDROGRAPHIC SHEET: H-10342

LOCALITY: Suisun Bay/San Joaquin River North of Pittsburg, CA.

TIME PERIOD: May 17, 1990 - February 25, 1991

TIDE STATIONS USED: 941-5112 Mallard Island, CA.
Lat. 38 2.6'N Lon. 121 55.1'W

941-5176 Collinsville, CA.
Lat. 38 4.4'N Lon. 121 50.9'W

941-5205 Montezuma Slough, CA.
Lat. 38 5.3'N Lon. 121 53.0'W

941-5207 Montezuma Slough Flood Gate, CA.
Lat. 38 5.6'N Lon. 121 53.2'W

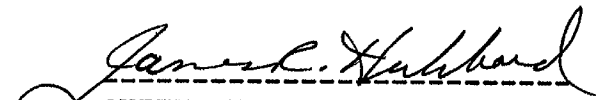
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 941-5112 = 3.06 ft.
941-5176 = 2.11 ft.
941-5205 = 8.04 ft.
941-5207 = 1.26 ft.


HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 941-5112 = 3.9 ft.
941-5176 = 3.7 ft.
941-5205 = 3.8 ft.
941-5207 = 4.5 ft.

REMARKS: RECOMMENDED ZONING

1. In Montezuma Slough north of the flood gate zone direct on 941-5207.
2. In Montezuma Slough north of the floodgate, when data for station 941-5207 (Montezuma Slough, flood gate staff) is not available, tides can not be provided.

3. In Montezuma Slough south of the flood gate and north of 38 4.5'N zone direct on 941-5205.
4. In Montezuma Slough south of the flood gate and north of 38 4.5'N, when data for 941-5205 (Montezuma Slough) is not available, apply times direct and a X1.05 range ratio to station 941-5176 (Collinsville).
5. In Montezuma Slough south of 38 4.5'N apply a X0.98 range ratio to all heights and times direct on 941-5205.
6. In Montezuma Slough south of 38 4.5'N, when data for station 941-5205 (Montezuma Slough) is not available, apply times direct and a X1.02 range ratio to station 941-5176 (Collinsville).
7. In Suisun Bay north of 38 3.3'N zone direct on 941-5176.
8. South of 38 3.3'N and east of Winter Island excluding New York Slough, zone direct with a +00hr 10min time correction to 941-5176.
9. West of Winter Island and south of 38 3.3'N excluding New York Slough, zone direct with a +00hr 10min time correction to 941-5112.
10. In New York Slough between Point Emmet and Point Beemar, apply a X0.96 range ratio and a +00hr 15min time correction to 941-5112.



CHIEF, TIDAL DATUM QUALITY
ASSURANCE SECTION 

ORIGINAL

Montezuma Slough Flood Gate Staff, CA. 941-5207
Lat. 38 5.6'N Lon. 121 53.2'W

Supplementary data for OPR L-208 sheet H-10342.

Note: This data is not on tape.

November 14, 1990 (DN 318)

Time (GMT)	Height in feet
1730	5.25
1736	5.30
1742	5.40
1748	(5.45)
1754	5.50
1800	5.60
1806	5.75
1812	5.80
1818	5.85
1824	5.90
1830	5.95
1836	6.00
1842	6.05
1848	6.10
1930	6.31
1936	6.34
1942	6.37
1948	6.39
1954	6.42
2000	6.44

PLANE OF REFERENCE (MEAN LOWER LOW WATER) = 1.26'

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE = 4.5'

() This is an inferred value.