

REPORT OF NAVIGATION CHANNELS

ER 1130-2-306

COLUMBIA RIVER - OREGON & WASHINGTON

MOUTH THROUGH PILLAR ROCK LOWER RANGE mile 25.2

Minimum depths in each 1/4
width of channel entering from
seaward

Mid-Channel

| Authorized Project NAME OF CHART Name of Channel (Mileage) | Date of Survey | Feet Width | Miles Length | Project Depth | Left Outside Quarter Feet | Left Inside Quarter Feet | Right Inside Quarter Feet | Right Outside Quarter Feet |
|---|----------------------|---------------|-----------------|------------------|------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|
| MOUTH OF COLUMBIA RIVER | 16-Sep-08 | | | | | | | |
| Entrance Range (-2.5 - 0.8) | | 640 | 3.3 | 48 | 50 | 49 | 48 | 47 |
| | | 2000 | 3.3 | 55 | 57 | 57 | 58 | 53 |
| Sand Island Range (0.8 - 3.0) | | 640 | 2.2 | 48 | 48 | 48 | 49 | 47 |
| | | 2000 | 2.2 | 55 | 51 | 53 | 54 | 52 |
| LOWER DESDEMONA SHOAL | 16-Oct-08 | | | | | | | |
| Lower Desdemona Shoal (3.0 - 6.4) | | 600 | 3.4 | 40 | 45 | 47 | 49 | 46 |
| UPPER DESDEMONA SHOAL | 16-Oct-08 | | | | | | | |
| Upper Desdemona Shoal (6.4 - 10.0) | | 600 | 3.6 | 40 | 41 | 44 | 46 | 44 |
| FLAVEL BAR | 05-Nov-08 | | | | | | | |
| Tansy Point Turn & Range (10.0 -13.6) | | 600 | 3.6 | 40 | 43 | 43 | 44 | 33 |
| UPPER SANDS | 27-Oct-08 | | | | | | | |
| Tansy Point Turn & Range (13.6 - 14.8) | | 600 | 1.2 | 40 | 41 | 44 | 44 | 41 |
| Astoria Range (14.8 - 17.5) | | 600 | 2.7 | 40 | 41 | 43 | 43 | 39 |
| TONGUE POINT CROSSING | 28-Oct-08 | | | | | | | |
| Tongue Point Channel (17.5 - 19.7) | | 600 | 2.2 | 40 | 42 | 44 | 44 | 43 |
| Harrington Point Range (19.7 - 21.4) | | 600 | 1.7 | 40 | 42 | 43 | 42 | 39 |
| MILLER SANDS | 30-Oct-08 | | | | | | | |
| Harrington Point Range (21.4 - 22.3) | | 600 | 0.9 | 40 | 42 | 43 | 43 | 42 |
| Miller Sands Range (22.3 - 24.5) | | 600 | 2.2 | 40 | 44 | 46 | 43 | 40 |
| Pillar Rock Lower Range (24.5 - 25.2) | | 600 | 0.7 | 40 | 40 | 42 | 45 | 43 |

ENG Form 4020-R (Nov 1990)

Reference is Navigation Chart No. 18521.

Note: Controlling Depths in Channels Entering from Seaward in feet at Mean Lower Low Water from the Entrance to Harrington Point and Columbia River Datum above that point.

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF

03-Dec-08

| Controlling Depths in Feet at Columbia River Datum (CRD) * SEE FOOTNOTE | | | | | | PROJECT DIMENSIONS | | |
|---|--------------------|-------------------|-------------------|--------------------|----------------------|--------------------|---------------------------|-----------------|
| NAME OF CHANNEL | Left | Left | Right | Right | Date of Survey | Width (Feet) | Length STAT (Miles) | Depth (Feet) |
| | Outside Quarter | Inside Quarter | Inside Quarter | Outside Quarter | | | | |
| Entrance Range | 50 | 49 | 48 | 47 | 16-Sep-08 | 640 | 3.3 | 48 |
| Sand Island Range | 48 | 48 | 49 | 47 | 16-Sep-08 | 640 | 2.2 | 48 |
| Lower Desdemona Shoal | 45 | 47 | 49 | 46 | 16-Oct-08 | 600 | 3.4 | 40 |
| Upper Desdemona Shoal | 41 | 44 | 46 | 44 | 16-Oct-08 | 600 | 3.6 | 40 |
| Tansy Point Turn & Range | 41 | 43 | 44 | 33 | 05-Nov-08 | 600 | 4.8 | 40 |
| Astoria Range | 41 | 43 | 43 | 39 | 27-Oct-08 | 600 | 2.7 | 40 |
| Tongue Point Channel | 42 | 44 | 44 | 43 | 28-Oct-08 | 600 | 2.2 | 40 |
| Harrington Point Range | 42 | 43 | 42 | 39 | 30-Oct-08 | 600 | 2.6 | 40 |
| Miller Sands Range | 44 | 46 | 43 | 40 | 30-Oct-08 | 600 | 2.2 | 40 |

* For Controlling Depth Information, consult the Local Notice to Mariners and/or the following Portland District US Army Corps of Engineers website: <https://www.nwp.usace.army.mil/op/n/chpubs.htm#pubs-status-reports>
(Please note: Netscape Navigator users - use version 7.0 or later.)

Reduce size to 80% of current size to print out to a size that matches tab boxes currently on NOAA charts