Chart 11490 (Upper Panel) NM 30/12

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2006 AND SURVEYS TO FEB 2012

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ST. JOHNS BAR CUT RANGE, EAST SECTION	43.5	48.5	48.5	47.6	2-12	800	3.2	42
ST. JOHNS BAR CUT RANGE, WEST SECTION	38.0	38.6	38.5	38.4	2-12	750-800	1.6	40
MAYPORT ENTRANCE CHANNEL	37.0	45.0	47.0	39.0	2-12	500	0.8	42
PILOT TOWN CUT RANGE	35.3	41.6	43.2	42.3	2-12	850-900	0.9	40

NOTES-(1) THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11491 (Side A) NM 30/12

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2006
AND SURVEYS TO FEB 2012

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ST. JOHNS BAR CUT RANGE, EAST SECTION	43.5	48.5	48.5	47.6	2-12	800	3.2	42
ST. JOHNS BAR CUT RANGE, WEST SECTION	38.0	38.6	38.5	38.4	2-12	750-800	1.6	40
MAYPORT ENTRANCE CHANNEL	37.0	45.0	47.0	39.0	2-12	500	0.8	42
PILOT TOWN CUT RANGE	35.3	41.6	43.2	42.3	2-12	850-900	0.9	40
MAYPORT CUT RANGE	43.0	42.3	42.0	42.7	2-12	1025	0.5	40
SHERMAN CUT RANGE	43.2	43.2	42.8	38.2	2-12	625	0.4	40
MILE POINT LOWER RANGE AND TURN	41.2	41.5	38.7	36.0	2-12	625	0.8	40
TRAINING WALL REACH	40.0	41.4	41.7	39.6	2-12	475-625	1.2	40
SHORT CUT TURN	38.5	42.0	42.3	41.6	2-12	525-575	0.5	40
WHITE SHELLS CUT RANGE	38.0	40.0	42.1	42.1	2-12	525-900	0.7	40
ST. JOHNS BLUFF REACH	39.0	41.2	39.9	40.2	2-12	600-750	0.7	40
DAMES PT.-FULTON CUTOFF	36.4	39.5	39.1	39.1	2-12	475-875	2.5	40
DAMES PT. TURN	39.5	42.0	41.2	41.6	2-12	875-1175	0.4	40
QUARANTINE I. UPPER RANGE	38.3	41.0	42.6	39.7	2-12	525-950	0.8	40
BRILLS CUT RANGE	35.5	41.3	41.4	38.2	2-12	425-600	1.0	40
BROWARD POINT TURN	31.1	35.3	42.4	42.2	2-12	475-825	0.8	40
BLOUNT ISLAND CHANNEL	29.4	33.4	33.7	33.0	2-12	300-1000	1.8	38
BLOUNT ISLAND EAST CHANNEL	19.5	21.5	20.4	15.0	2-12	300	0.9	30

NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11491 (Side B) NM 30/12

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2006
AND SURVEYS TO FEB 2012

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
QUARANTINE I. UPPER RANGE	38.3	41.0	42.6	39.7	2-12	525-950	0.8	40
BRILLS CUT RANGE	35.5	41.3	41.4	38.2	2-12	425-600	1.0	40
BROWARD POINT TURN	31.1	35.3	42.4	42.2	2-12	475-825	0.8	40
DRUMMOND CREEK RANGE	39.4	41.3	41.9	39.9	2-12	375-850	1.3	38-40
TROUT RIVER CUT RANGE	37.9	40.0 A	39.6	39.7	2-12	400-850	1.0	38
CHASEVILLE TURN	41.4	43.0	42.0	41.1	2-12	500-800	0.6	38
LONG BRANCH RANGE	36.6	40.5	41.0	39.9	2-12	650-1325	0.6	38
TERMINAL CHANNEL	23.2	28.5	22.3	18.8	2-12	550-1325	3.1	30-38

A: EXCEPT FOR A 36 FT OBSTRUCTION LOCATED BY AN NOS SURVEY AT 30°23'37.1" N, 081°37'25.6" W
NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18521 NM 30/12

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF 13-Jun-12

Controlling Depths in Feet at Columbia River Datum (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	Left Outside Quarter	Left Inside Quarter	Right Inside Quarter	Right Outside Quarter	Date of Survey	Width (Feet)	Length STAT (Miles)	Depth (Feet)
Entrance Range **	50	49	47	45	6-Apr-12	640	3.3	48
	58	58	57	51	6-Apr-12	2000	3.3	55
Sand Island Range **	49	50	47	45	6-Apr-12	640	2.2	48
	53	55	53	50	6-Apr-12	2000	2.2	55
Lower Desdemona Shoal	46	47	49	48	23-May-12	600	3.4	43
Upper Desdemona Shoal	42	43	44	42	24-May-12	600	3.6	43
Tansy Point Turn & Range	39	40	43	36	5-Jun-12	600	4.8	43
Astoria Range	42	44	44	42	3-May-12	600	2.7	43
Tongue Point Channel	40	44	45	43	6-Jun-12	600	2.2	43
Harrington Point Range	41	43	42	34	7-Jun-12	600	2.6	43
Miller Sands Range	40	43	43	34	7-Jun-12	600	2.2	43

* For Controlling Depth Information, consult the Local Notice to Mariners and/or the following Portland District US Army Corps of Engineers website: http://www.nwp.usace.army.mil/Missions/Navigation.aspx Channel status reports
** Channel width is 2640 feet with two controlling depths, northern width is 2000 feet and southern width is 640 feet

Chart 18523 NM 30/12

COLUMBIA RIVER CHANNEL DEPTHS
PILLAR ROCK LOWER RANGE TO GULL ISLAND TURN AND CHANNEL
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF 13-Jun-12

CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	Left Outside Quarter	Left Inside Quarter	Right Inside Quarter	Right Outside Quarter	Date of Survey	Width (Feet)	Length STAT (Miles)	Depth (Feet)
Miller Sands Range	40	43	43	34	7-Jun-12	600	2.2	43
Pillar Rock Lower Range	41	41	43	37	7-Jun-12	600	3	43
Pillar Rock Upper Range	33	41	41	43	21-May-12	600	1.9	43
Welch Island Reach	47	49	45	31	21-May-12	600	3.2	43
Skamokawa Channel	40	42	40	35	29-May-12	600	3.3	43
Steamboat Reach	46	45	44	43	29-May-12	600	1.4	43
Puget Island Range & Turn	42	42	41	39	14-May-12	600	3.5	43
Wauna Range	40	43	41	40	15-May-12	600	2	43
Driscoll Range	40	40	43	41	15-May-12	600	1.7	43
Westport Turn & Range	40	42	42	41	4-Jun-12	600	2	43
Westport Channel	35	38	37	37	4-Jun-12	600	2.4	43
Eureka Lower Channel	43	45	44	44	23-May-12	600	2.1	43
Eureka Upper Channel	42	42	41	39	23-May-12	600	0.8	43
Oak Point Channel	40	44	44	43	29-May-12	600	3	43
Gull Island Turn and Channel	47	48	44	36	29-May-12	600	2.2	43

* For Controlling Depth Information, consult the Local Notice to Mariners and/or the following Portland District US Army Corps of Engineers website: http://www.nwp.usace.army.mil/Missions/Navigation.aspx *Channel status reports*

Chart 18524 (Left Panel) NM 30/12

COLUMBIA RIVER CHANNEL DEPTHS
GULL ISLAND TURN AND CHANNEL TO ST HELENS TURN
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF 13-Jun-12

CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	Left Outside Quarter	Left Inside Quarter	Right Inside Quarter	Right Outside Quarter	Date of Survey	Width (Feet)	Length STAT (Miles)	Depth (Feet)
Gull Island Turn and Channel	47	48	44	36	29-May-12	600	2.2	43
Stella Range	36	38	42	39	24-May-12	600	3.0	43
Fisher Island Channel	40	46	46	36	24-May-12	600	0.8	43
Walker Island Channel	40	37	38	36	24-May-12	600	1.4	43
Barlow Pt Channel	47	47	48	45	24-May-12	600	1.6	43
Slaughters Channel	40	42	43	41	7-May-12	600	2.2	43
Slaughters Turn and Channel	41	40	38	39	7-May-12	600	1.7	43
Cottonwood Island Lower Rge	40	43	42	39	7-May-12	600	1.7	43
Cottonwood Island Turn	46	44	43	37	12-Jun-12	600	2.7	43
Cottonwood Island Upper Rge	41	42	43	41	12-Jun-12	600	1.6	43
Kalama Lower Range	42	44	42	33	11-Jun-12	600	1.8	43
Kalama Upper Range	38	41	41	40	11-Jun-12	600	2.2	43
Bybee Ledge Channel	41	42	42	41	7-Jun-12	600	2.1	43
Martin Island Channel	41	42	40	37	7-Jun-12	600	2	43
Martin Island Range	39	40	43	40	6-Jun-12	600	1.4	43
Columbia City Channel	39	41	42	39	6-Jun-12	600	1.2	43
St. Helens Range	41	42	41	38	5-Jun-12	600	2.0	43
St. Helens Turn	38	42	39	37	5-Jun-12	600	1.7	43

* For Controlling Depth Information, consult the Local Notice to Mariners and/or the following Portland District US Army Corps of Engineers website: http://www.nwp.usace.army.mil/Missions/Navigation.aspx *Channel status reports*

Chart 18531 (Lower Panel) NM 30/12

COLUMBIA RIVER CHANNEL DEPTHS
TOMAHAWK BAR TO BONNEVILLE LOCKS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF 13-Jun-12

CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE					Project Dimensions		
Name of Channel	Left Outside Quarter	Middle Half of Channel	Right Outside Quarter	Date of Survey	Width (feet)	Length STAT (Miles)	Depth (feet)
Tomahawk Bar	14	15	15	31-May-12	300	3.7	27
Airport Bar	15	15	18	31-May-12	300	2.8	27
Government Island Lower Range	14	13	15	31-May-12	300	1.0	27
Government Island Middle Range	14	15	15	5-Oct-11	300	1.7	27
Fisher Quarry Channel Range	28	26	25	5-Oct-11	300	1.0	27
Government Island Range	17	22	32	5-Oct-11	300	1.1	27
Government Island Upper Range	13	17	20	31-Aug-11	300	0.8	27
Lady Island Range	15	17	21	31-Aug-11	300	2.1	27
Lady Island Channel and Upper Rge	28	28	20	31-Aug-11	300	0.9	27
Washougal Lower Range	22	26	27	11-Oct-11	300	1.5	27
Washougal Upper Range	20	20	30	11-Oct-11	300	1.1	27
Gary Island Range	17	17	14	11-Oct-11	300	0.6	27
Reed Island Range	15	13	12	11-Oct-11	300	2.2	27
Tunnel Point Channel	25	23	23	30-Aug-11	300	0.8	27
Rooster Rock Channel	26	25	24	30-Aug-11	600	1.5	27
Cape Horn Channel	35	33	30	25-Aug-11	300	2.1	27
Candiana Channel	33	38	33	25-Aug-11	300	1.0	27
Fashion Reef Lower Range	15	19	18	12-Oct-11	300	2.4	27
Multnomah Falls Bar Range	13	22	17	12-Oct-11	300	1.1	27
Multnomah Falls Turn	14	18	21	12-Oct-11	600	0.8	27
Multnomah Falls Upper Range	22	24	26	25-Aug-11	300	3.2	27
McGowans Channel	36	30	24	23-Aug-11	300	1.1	27
Warrendale Lower Range	21	20	21	23-Aug-11	300	0.9	27
Warrendale Upper Range	20	28	21	23-Aug-11	300	0.7	27
Hamilton Island Reach	23	29	28	23-Aug-11	300	1.0	27
Entrance to Bonneville Locks	19	18	19	17-Aug-11	300	1.2	27

* For Controlling Depth Information, consult the Local Notice to Mariners and/or the following Portland District US Army Corps of Engineers website: http://www.nwp.usace.army.mil/Missions/Navigation.aspx *Channel status reports*

Chart 62092 NM 30/12

SUBMARINE CABLES

Mariners are advised not to anchor, trawl or fish in the vicinity of submarine cables.