

SECTION I

Chart 12248

NM 36/16

JAMES RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2015							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH MLLW (FEET)
ROCKLANDING SHOAL CHANNEL	24.5	25.6	20.4	1-07	300	6.8	35A
TRIBELL SHOAL CHANNEL	24.1	24.7	24.9	12-15	300	5.0	35A
GOOSE HILL CHANNEL	24.6	25.0	24.6	2-14	300-450	5.7	35A

A. CHANNEL MAINTAINED TO 25 FEET.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12253

NM 36/16

ELIZABETH RIVER SOUTHERN BRANCH CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2015							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
N&W RAILWAY LIFT BRIDGE REACH	34.3	35.5	33.0	10-15	200-500	0.2	A40
GILMERTON BRIDGE REACH	33.1	33.9	32.9	10-15	250-500	2.4	A40
ST. JULIANS CREEK TURNING BASIN		34.7		10-15	150	0.1	A40
GILMERTON BRIDGE REACH TO END OF NEWTON CREEK TURNING BASIN	32.2	34.8	31.7	10-15	300	0.4	35
NEWTON CREEK TURNING BASIN (EAST AND WEST WIDENERS ONLY)		B31.9/33.1		10-15	175	0.1	35
END OF NEWTON CREEK TURNING BASIN TO UPSTREAM LIMIT	25.3	25.2	24.0	10-15	250	1.5	35
MAINS CREEK TURNING BASIN		25.4		10-15	550	0.2	35

A. MAINTAINED TO A DEPTH OF 35 FT.
B. 31.9 FOOT SOUNDING LOCATED IN THE EAST WIDENER, 33.1 FOOT SOUNDING IS LOCATED IN THE WEST WIDENER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14853 (Page 11)

NM 36/16

RIVER ROUGE CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2015							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH LWD (FEET)
SHORT CUT CANAL							
ENTRANCE TO WEST JEFFERSON AVE. BRIDGE	11.4	20.5	8.2	5, 10-15	100-400	1.08	21
WEST JEFFERSON AVE. BRIDGE TO I-75 BRIDGE	11.1	18.9	12.8	5, 8-15	100-200	.74	21
I-75 BRIDGE TO DIX AVE. BRIDGE	15.7	19.8	11.9	5-15	100-200	.91	21
DIX AVE. BRIDGE TO END	17.6	13.7	17.7	5-15	100-800	.25	21
OLD CHANNEL							
ENTRANCE TO 42°17'19.9"N 83°06'27.5"W	23.6	24.0	17.8	7-15	100-300	.25	25
42°17'19.9"N 83°06'27.5"W TO 42°17'23.2"N 83°06'46.0"W	16.2	19.3	2.9	7-15	100	.27	18
42°17'23.2"N 83°06'46.0"W TO RR SWING BRIDGE	11.0	19.3	12.1	7-15	100	.29	17
RR SWING BRIDGE TO SHORT CUT CANAL	14.8	15.4	9.5	7-15	100-600	.76	17

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

Chart 14854 (Inset)

NM 36/16

RIVER ROUGE CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2015							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
SHORT CUT CANAL							
ENTRANCE TO WEST JEFFERSON AVE. BRIDGE	11.4	20.5	8.2	5, 10-15	100-400	1.08	21
WEST JEFFERSON AVE. BRIDGE TO I-75 BRIDGE	11.1	18.9	12.8	5, 8-15	100-200	.74	21
I-75 BRIDGE TO DIX AVE. BRIDGE	15.7	19.8	11.9	5-15	100-200	.91	21
DIX AVE. BRIDGE TO END	17.6	13.7	17.7	5-15	100-800	.25	21
OLD CHANNEL							
ENTRANCE TO 42°17'19.9"N 83°06'27.5"W	23.6	24.0	17.8	7-15	100-300	.25	25
42°17'19.9"N 83°06'27.5"W TO 42°17'23.2"N 83°06'46.0"W	16.2	19.3	2.9	7-15	100	.27	18
42°17'23.2"N 83°06'46.0"W TO RR SWING BRIDGE	11.0	19.3	12.1	7-15	100	.29	17
RR SWING BRIDGE TO SHORT CUT CANAL	14.8	15.4	9.5	7-15	100-600	.76	17
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 18584

NM 36/16

UMPQUA RIVER CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2016 AND SURVEYS TO NOV 2015							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH MLLW (FEET)
UMPQUA RIVER ENTRANCE							
ENTRANCE CHANNEL	17	21	23	4-16	---	1.2	26
UMPQUA RIVER TURN	18	20	20	4-16	200	1.3	22
SALMON HARBOR REACH	23	22	19	3-16	200	2.1	22
BARRETT'S RANGE	18	19	18	3-16	200	2.0	22
MILE SIX BAR	21	20	18	4-16	200	2.2	22
CANNERY SANDS							
JCT TO LEEDS ISLAND LIGHT	13	13	12	4-16	200	1.8	22
GARDINER CHANNEL	10	10	2	4-16	200	1.2	22
TURNING BASIN	4	2	1	4-16	---	0.2	22
REEDSPORT REACH							
CHANNEL (9.65-10.8)	15	15	15	4-16	200	1.15	22
TURNING BASIN	19	26	22	4-16	600	0.2	22
CHANNEL (11.0-11.8)	12	12	3	4-16	200	0.8	22
WINCHESTER BAY							
WEST CHANNEL	8	11	11	10-15	100	0.8	16
EAST CHANNEL (0.0-0.7)	13	15	14	10-15	100	0.7	16
EAST CHANNEL (0.7-0.9)	8	3	2	10-15	75	0.2	12
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							