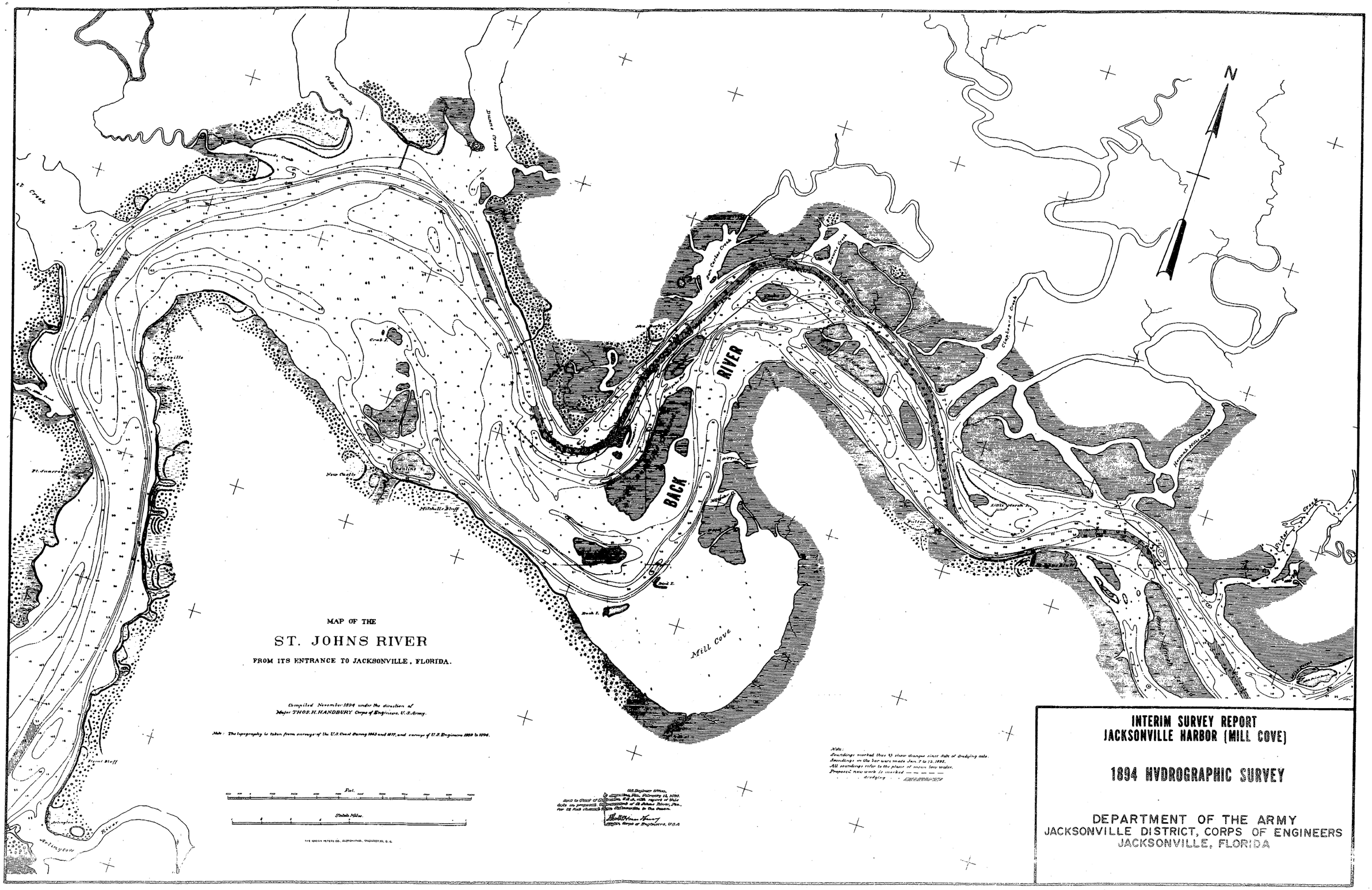
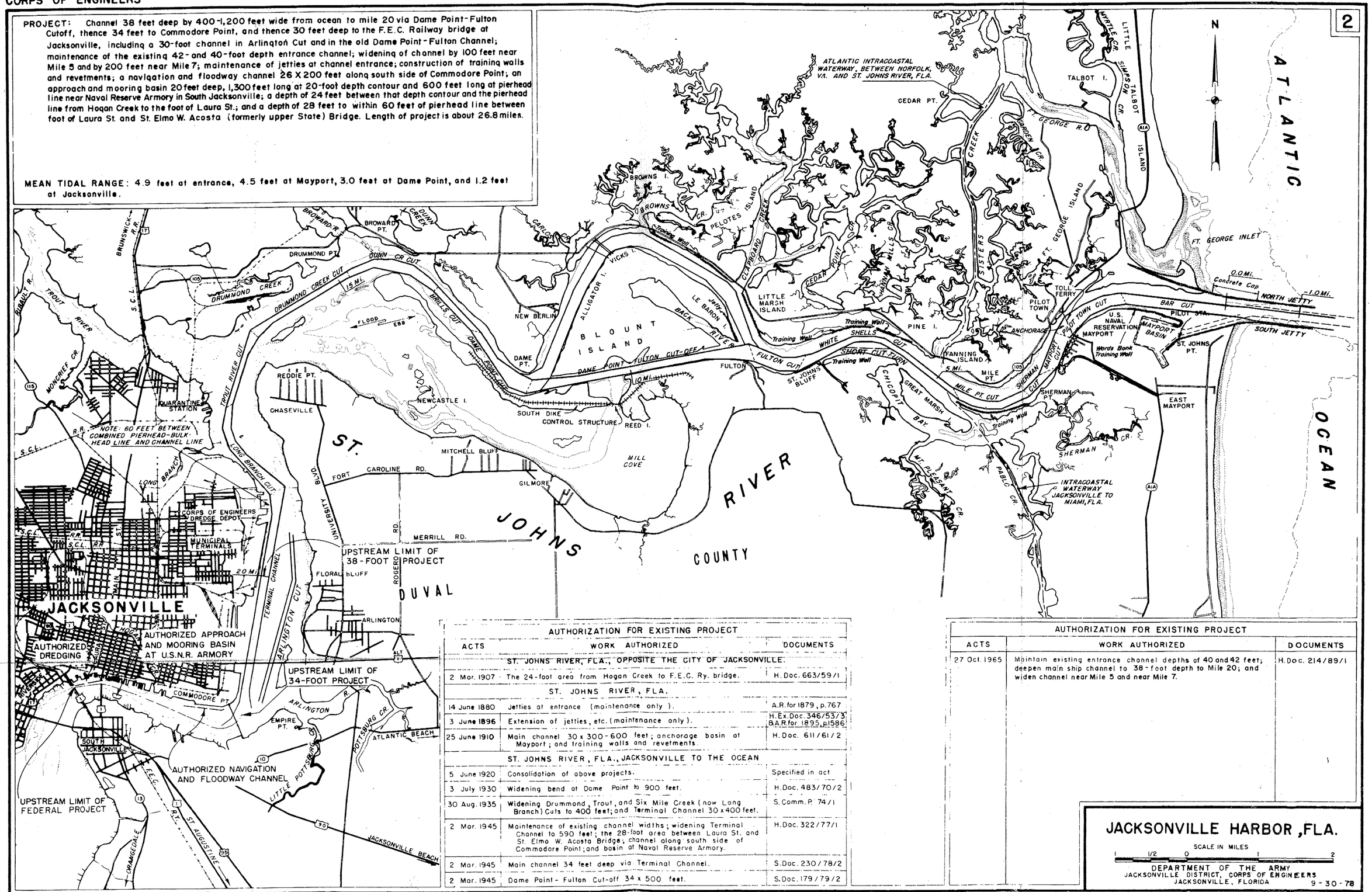

MAP OF THE
ST. JOHNS RIVER
FROM ITS ENTRANCE TO JACKSONVILLE, FLORIDA.
Compiled November 1894 under the direction of
Major THOS. H. HANDBURY Corps of Engineers, U.S. Army.
BACK RIVER
Mill Cove
N
INTERIM SURVEY REPORT
JACKSONVILLE HARBOR (MILL COVE)
1894 HYDROGRAPHIC SURVEY
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FIGURE 1

PROJECT: Channel 38 feet deep by 400-1,200 feet wide from ocean to mile 20 via Dame Point-Fulton Cutoff, thence 34 feet to Commodore Point, and thence 30 feet deep to the F.E.C. Railway bridge at Jacksonville, including a 30-foot channel in Arlington Cut and in the old Dame Point-Fulton Channel; maintenance of the existing 42- and 40-foot depth entrance channel; widening of channel by 100 feet near Mile 5 and by 200 feet near Mile 7; maintenance of jetties at channel entrance; construction of training walls and revetments; a navigation and floodway channel 26 X 200 feet along south side of Commodore Point; an approach and mooring basin 20 feet deep, 1,300 feet long at 20-foot depth contour and 600 feet long at pierhead line near Naval Reserve Armory in South Jacksonville; a depth of 24 feet between that depth contour and the pierhead line from Hogan Creek to the foot of Laura St.; and a depth of 28 feet to within 60 feet of pierhead line between foot of Laura St. and St. Elmo W. Acosta (formerly upper State) Bridge. Length of project is about 26.8 miles.

MEAN TIDAL RANGE: 4.9 feet at entrance, 4.5 feet at Mayport, 3.0 feat at Dame Point, and 1.2 feet at Jacksonville.



AUTHORIZATION FOR EXISTING PROJECT		
ACTS	WORK AUTHORIZED	DOCUMENTS
	ST. JOHNS RIVER, FLA., OPPOSITE THE CITY OF JACKSONVILLE.	
2 Mar. 1907	The 24-foot area from Hogan Creek to F.E.C. Ry. bridge.	H. Doc. 663/59/1
	ST. JOHNS RIVER, FLA.	
14 June 1880	Jetties at entrance (maintenance only).	A.R. for 1879, p. 767
3 June 1896	Extension of jetties, etc. (maintenance only).	H.Ex.Doc. 346/53/3; B.A.R for 1895, p1586
25 June 1910	Main channel 30 x 300-600 feet; anchorage basin at Mayport; and training walls and revetments.	H. Doc. 611/61/2
	ST. JOHNS RIVER, FLA., JACKSONVILLE TO THE OCEAN	
5 June 1920	Consolidation of above projects.	Specified in act
3 July 1930	Widening bend at Dame Point to 900 feet.	H.Doc. 483/70/2
30 Aug. 1935	Widening Drummond, Trout, and Six Mile Creek (now Long Branch) Cuts to 400 feet; and Terminal Channel 30 x 400 feet.	S. Comm. P. 74/1
2 Mar. 1945	Maintenance of existing channel widths; widening Terminal Channel to 590 feet; the 28-foot area between Laura St. and St. Elmo W. Acosta Bridge; channel along south side of Commodore Point; and basin at Naval Reserve Armory.	H.Doc. 322/77/1
2 Mar. 1945	Main channel 34 feet deep via Terminal Channel.	S.Doc. 230/78/2
2 Mar. 1945	Dame Point - Fulton Cut-off 34 x 500 feet.	S.Doc. 179/79/2

AUTHORIZATION FOR EXISTING PROJECT		
ACTS	WORK AUTHORIZED	DOCUMENTS
27 Oct. 1965	Maintain existing entrance channel depths of 40 and 42 feet; deepen main ship channel to 38-foot depth to Mile 20; and widen channel near Mile 5 and near Mile 7.	H.Doc. 214/89/1

JACKSONVILLE HARBOR, FLA.

SCALE IN MILES
1 1/2 0 1 2

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA 9-30-78

FIGURE 2

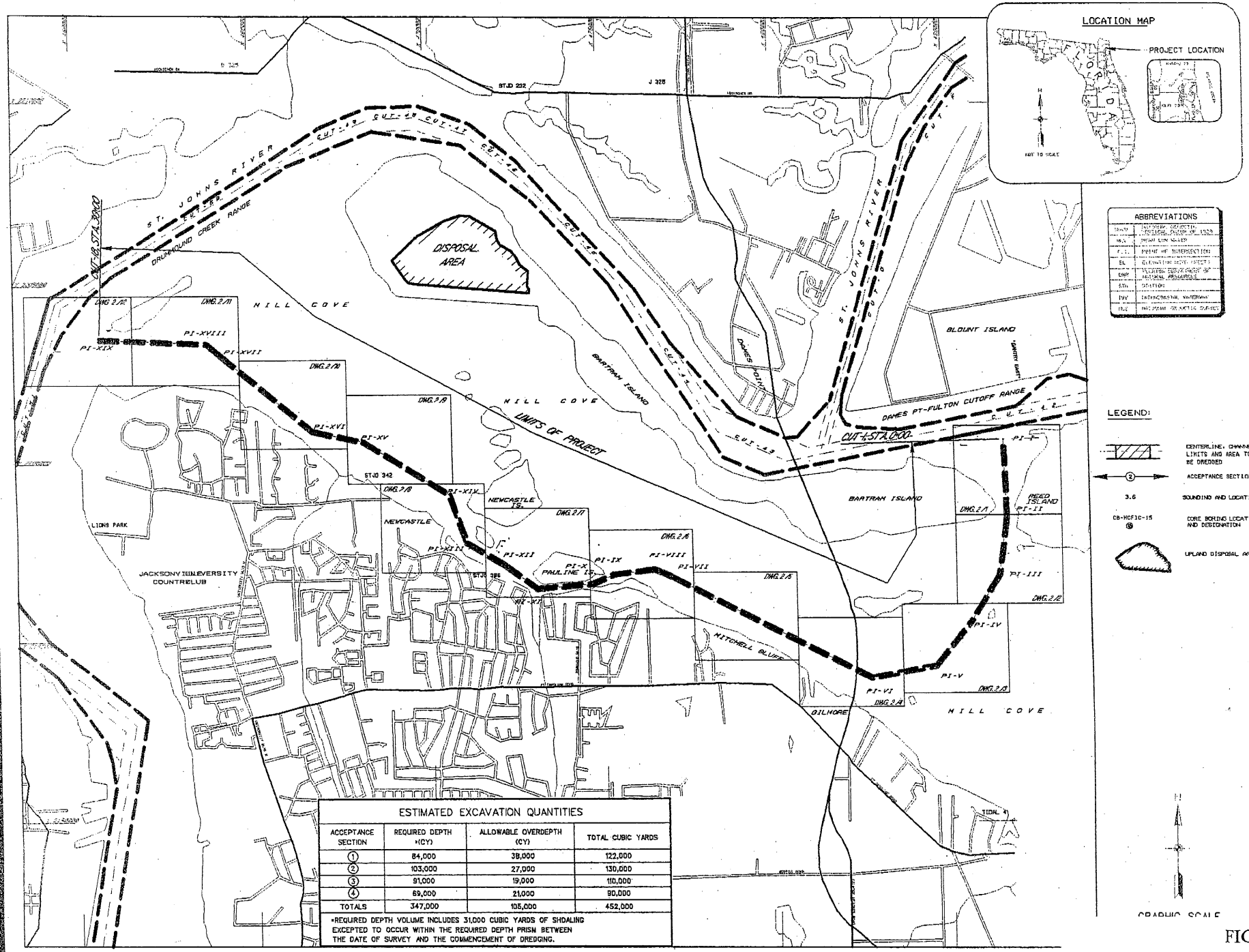
LEGEND:

——— Ebb Flow

– – – – Flood Flow

MILL COVE
ENVIRONMENTAL ASSESSMENT
BASE FLOW CONDITIONS

FIGURE 3



ESTIMATED EXCAVATION QUANTITIES

ACCEPTANCE SECTION	REQUIRED DEPTH *(CY)	ALLOWABLE OVERDEPTH (CY)	TOTAL CUBIC YARDS
①	84,000	38,000	122,000
②	103,000	27,000	130,000
③	91,000	19,000	110,000
④	69,000	21,000	90,000
TOTALS	347,000	105,000	452,000

*REQUIRED DEPTH VOLUME INCLUDES 31,000 CUBIC YARDS OF SHOALING EXCEPTED TO OCCUR WITHIN THE REQUIRED DEPTH PRISM BETWEEN THE DATE OF SURVEY AND THE COMMENCEMENT OF DREDGING.

FIGURE 4