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## IMPROVEMENT OF BRETON BAY, LEONARDTOWN, MARYLAND.

## HISTORY OF OPERATIONS.

For "Reference to reports," "Description of original condition," "Plan of improvement," and "Amount expended and results obtained to June 30, 1888," see Report of Chief of Engineers for 1888, Part II, pages 815 and 816.

## WORK DONE DURING THE FISCAL YEAR ENDING JUNE 30, 1889.

The following is an abstract of bids for dredging :

*Abstract of proposals for dredging in the harbor at Breton Bay, Leonardtown, Md., opened October 18, 1888.*

No.	Name and address of bidder.	Per cubic yard.
		<i>Cents.</i>
1	P. Sanford Ross, 113 Hudson street, Jersey City, N. J.....	15
2	Chester T. Caler, 1 Campbell Wharf, Norfolk, Va.....	16
3	Frank C. Somers, 211½ Market street, Camden, N. J.....	18
4	Baltimore Dredging Company, Baltimore, Md.....	16
5	American Dredging Company, Philadelphia, Pa.....	16
6	Thomas P. Morgan, 1341 Q street N.W., Washington. D. C.....	18
7	George C. Fobes & Co., Baltimore, Md.....	14½
8	National Dredging Company, 100 West Fourth street, Wilmington, Del.....	16

All bids were rejected as excessive. The work was readvertised, and the following is an abstract of the second bids for dredging :

*Abstract of proposals for dredging the harbor at Breton Bay, Leonardtown, Md., opened December 10, 1888.*

No.	Name and address of bidder.	Commence.	Complete.	Per cubic yard.
				<i>Cents.</i>
1	Frank C. Somers, 211½ Market street, Camden, N. J.....	Feb. 9, 1889	Mar. 23, 1889	14½
2	C. T. Caler, 1 Campbell Wharf, Norfolk, Va.....	Mar. 1, 1889	June 30, 1889	13½
3	Atlas Dredging Company, 610 Market street, Wilmington, Del.....			13½
4	American Dredging Company, No. 234 Walnut street, Philadelphia, Pa.....	Feb. 9, 1889	Mar. 23, 1889	15½
5	George C. Fobes & Co., Baltimore, Md.....	Feb. 9, 1889	Mar. 23, 1889	14

The contract was awarded to the Atlas Dredging Company at 13½ cents. Dredging consisted in widening the channel at the turn at Buzzard Point. Between February 22 and March 2, 1889, 13,141 cubic yards of material were removed. The channel was widened at the turn 80 feet for a distance of 480 feet and 95 feet for a distance of 605 feet.

## AMOUNT EXPENDED AND RESULTS OBTAINED TO JUNE 30, 1889.

From the beginning of the improvement, \$31,660.02 were expended in excavating 185,429 cubic yards of material at rates varying from 10 to 18 cents per cubic yard.

At the close of the work in March, 1888, the basin at the upper end of the channel was 645 feet long by 370 feet wide, narrowing to a width of 150 feet in 335 feet. From the lower end of the basin the channel continued 150 feet wide for a distance of 1,870 feet, and for a further distance of 1,380 feet around the turn at Buzzard Point the width varied from 185 to 280 feet. The depths varied from 8.5 to 14.6 feet.

#### FUTURE OPERATIONS.

The basin and channel should be widened to the dimensions recommended in the amended project, and the channel continued a distance of about 1,960 feet until the depth of 9 feet at low water is reached.

The following appropriations have been made :

June 18, 1878 .....	\$5,000
March 3, 1879 .....	4,000
June 14, 1880 .....	3,000
March 3, 1881 .....	3,000
August 2, 1882 .....	5,000
July 5, 1884 .....	3,000
August 5, 1886 .....	6,500
August 11, 1888 .....	3,000
Total .....	32,500

The work is in the collection district of Annapolis, the port of entry, and in the fifth light-house district, near Blackiston Island Light.

Leonardtown is one of the landings of the Potomac River and Baltimore boats.

A chart of Breton Bay from Leonardtown to the Potomac River accompanies this report.

#### Money statement.

July 1, 1888, amount available .....	\$326.04
Amount appropriated by act of August 11, 1888 .....	3,000.00
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	3,326.04
July 1, 1889, amount expended during fiscal year, exclusive of liabilities outstanding July 1, 1888 .....	\$2,483.56
July 1, 1889, outstanding liabilities .....	2.50
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	2,486.06
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July 1, 1889, balance available .....	839.98
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{ Amount (estimated) required for completion of existing project .....	17,000.00
{ Amount that can be profitably expended in fiscal year ending June 30, 1891 .....	17,000.00
{ Submitted in compliance with requirements of sections 2 of river and harbor acts of 1866 and 1867.	

#### STATISTICS OF TRADE.

See Annual Report for 1887. No reply has been received in response to request for statement to December 31, 1888.



LEONARDTOWN

FOXWELL WHARF  
(Wrecked)

Buzzard Pt.

BRETTON'S BAY,  
on the  
POTOMAC RIVER, MD.

[LEONARDTOWN CHANNEL.]

Surveyed November 1-3, 1899.

Scale of Feet.  
0 100 200 300 400

Notes

Soundings are expressed in feet and tenths, and refer to mean Low Water.  
Soundings in italics show depths in feet, and are taken from maps previously made by this office.

The Low Water line is shown thus: ————  
6 ft Contour     : - - - - -  
9     "     : - - - - -  
Proposed lines of excavation     : - - - - -

To accompany report, December 9, 1899, by Lieut Col. Allen,  
Corps of Engineers.

