Town of Beaufort Dredging Program 2011-2020



Dredging History-Bulkhead Channel

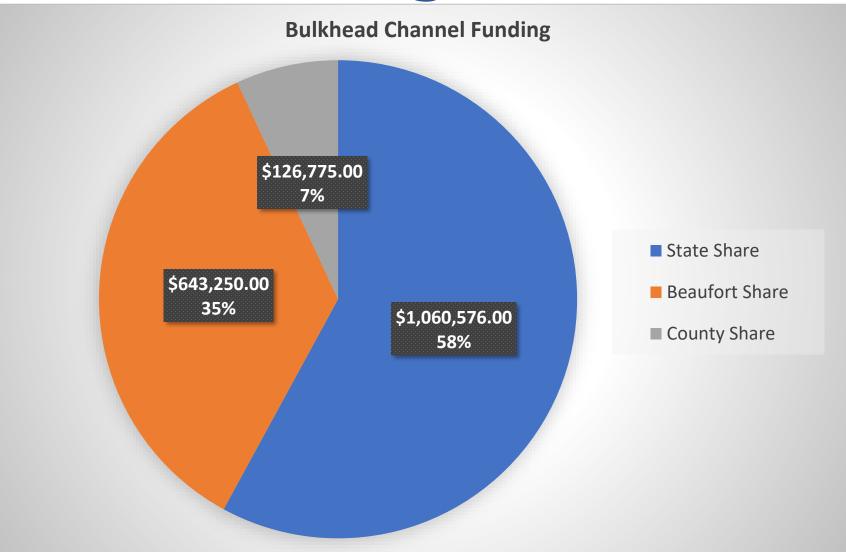
- 2011 Town of Beaufort entered into a Memorandum of Agreement (MOA) with the Army Corp of Engineers for Shallow Draft Dredging of Bulkhead Channel.
- MOA was for only 1-year period and had to be renewed and approved by Congress each year.
- 2011 Town applied for a NC Water Resources Grant for Dredging and was awarded a dollar for dollar match in funds. (See Funding Table from 2011 to present)
- 2013 NC Water Resources entered into a long term MOA with the Army Corps for Statewide Shallow Draft Dredging thus no longer requiring the Town's individual MOA with the Corps. State match was \$ for \$.
- 2016 the State increased their match to 2/3 and local share 1/3 cost for shallow draft dredging.
- 2017 December Dredging suspended due to the channel needing an Environmental Assessment needed for Bulkhead Channel and Beaufort Harbor by the Corps.
- 2018 December 31st Environmental Assessment approved by the Corps and suspension lifted.
- 1.83 Million has been spent on dredging Bulkhead Channel & Beaufort Harbor (Funding Next Slide).

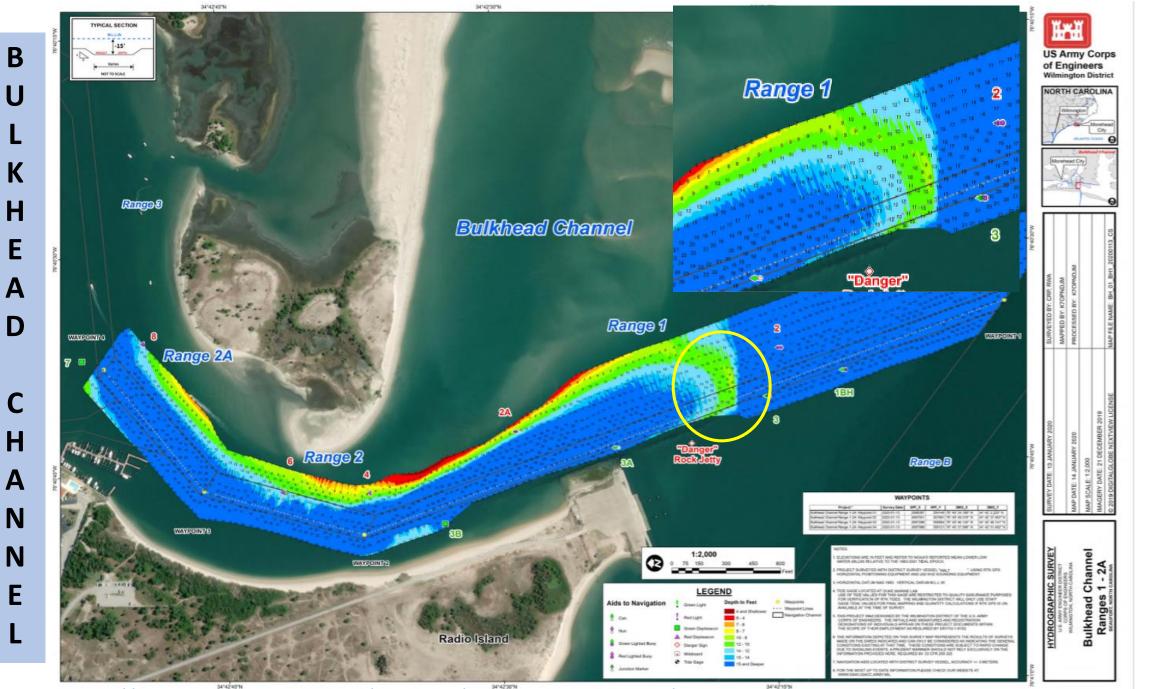
Dredging History-Bulkhead Channel Funding Table

Bulkhead Channel Funding

Year	State	Local - Beaufort	Local - Carteret Co.	
Fall 2011	\$ 80,000.00	\$ 80,000.00	\$0	
Summer 2013	\$ 60,000.00	\$ 60,000.00	\$0	
Spring 2014	\$ 89,775.00	\$ 60,000.00	\$29,775	
Fall 2014	\$ 55,000.00	\$ 55,000.00	\$0	
Spring 2015	\$ 100,500.00	\$ 64,500.00	\$36,000	
Fall 2015	\$ 97,200.00	\$ 97,200.00	\$0	
Spring 2016	\$ 105,334.00	\$ 26,667.00	\$26,000	
Fall 2016	\$ 80,000.00	\$ 40,000.00	\$0	
Spring 2017	\$ 143,000.00	\$ 35,000.00	\$35,000	
Fall 2017	\$ 80,000.00	\$ 40,000.00	\$0	
All of 2018	\$ -	\$ -	\$0	
Spring 2019	\$ 169,767.00	\$ 84,883.00	\$0	
Totals:	\$ 1,060,576.00	\$ 643,250.00	\$126,775	\$ 1,830,601.00

Dredging History-Bulkhead Channel Funding Table





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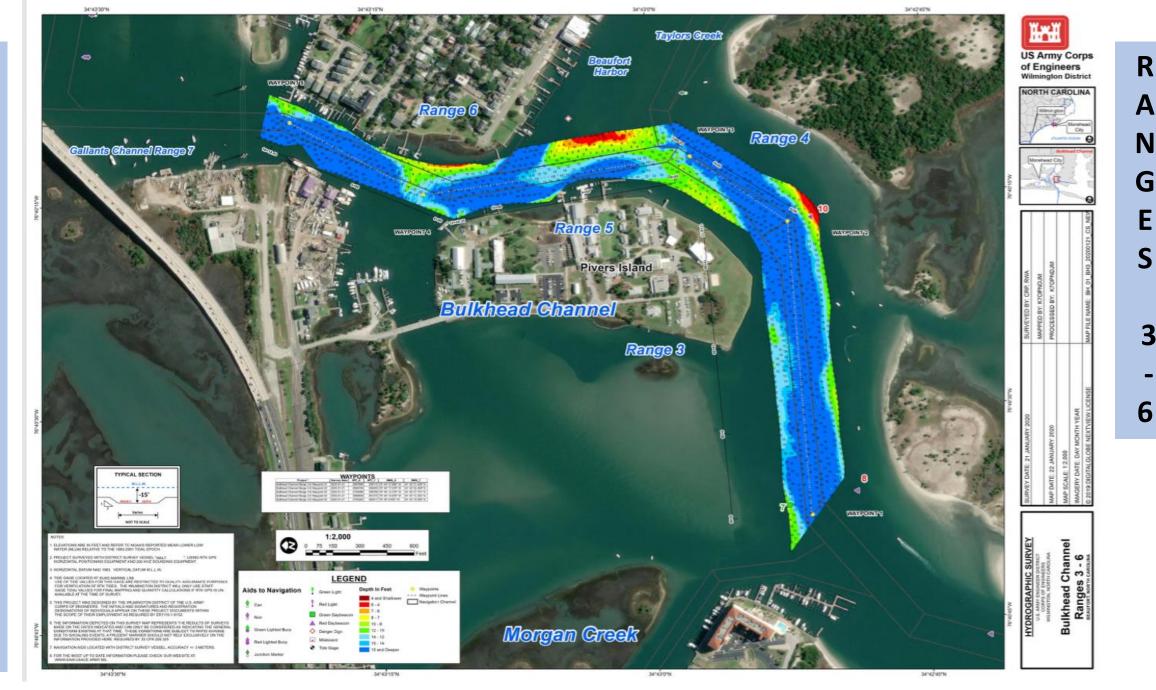
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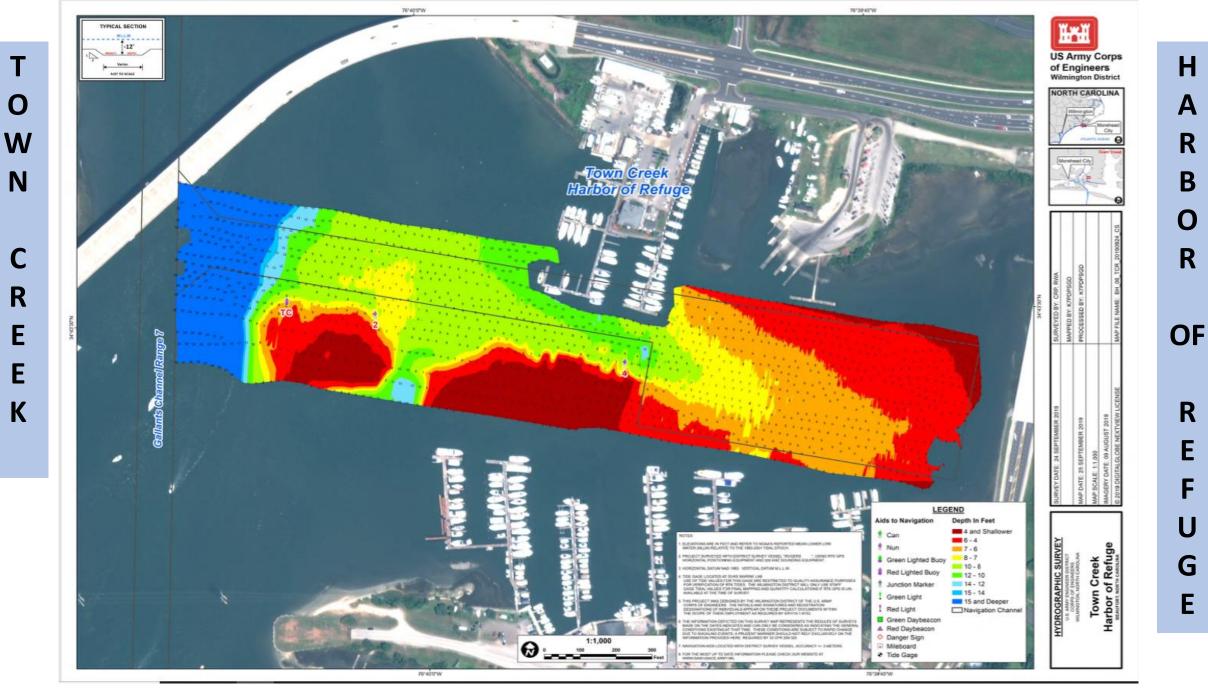
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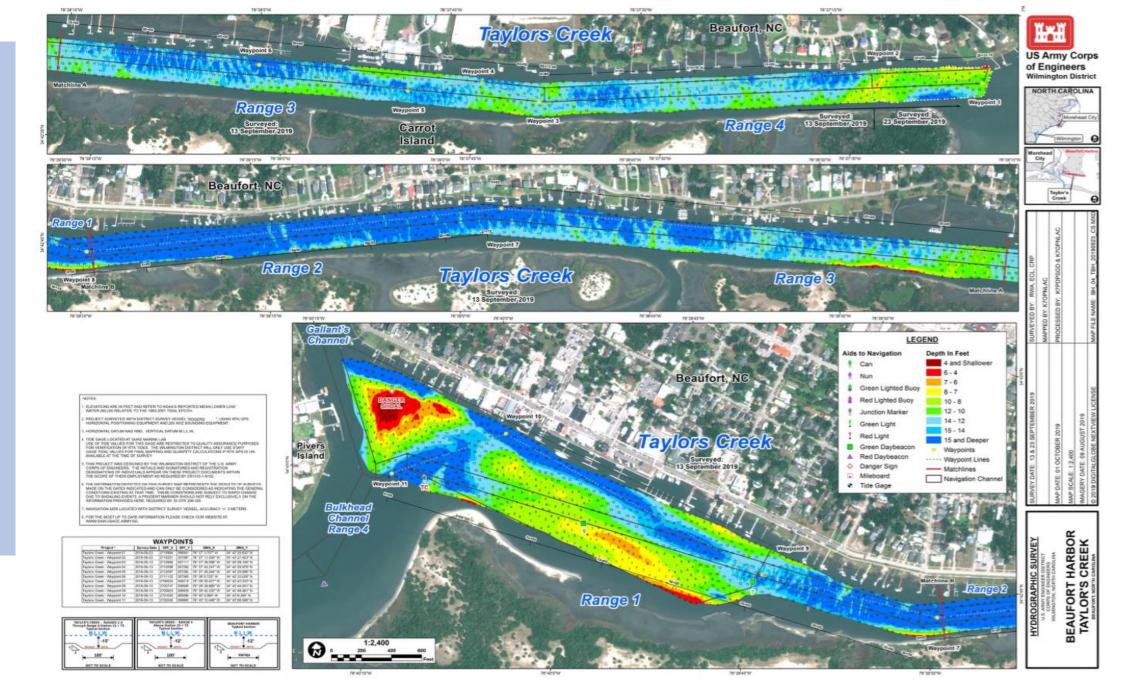


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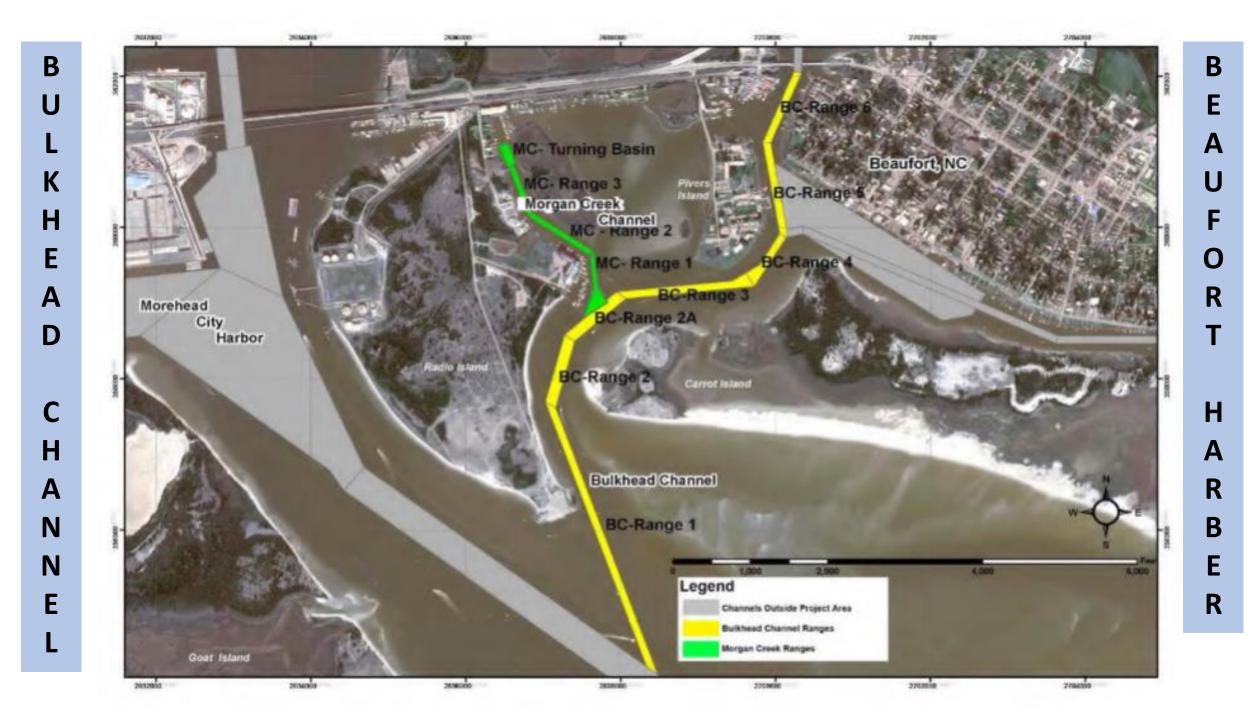
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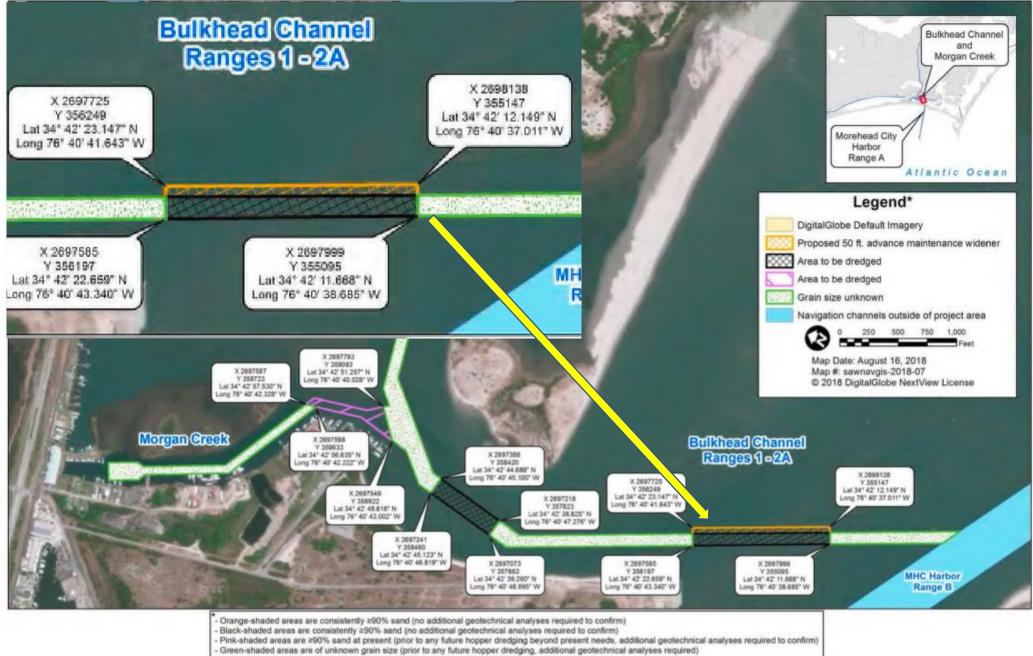
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Dredging-Bulkhead Channel Digging Deeper

- Recently the Town asked the Army Corp of Engineers for an estimated cost to dredge Range 1 of Bulkhead Channel on a quarterly basis. The first quarter includes the expansion of the window of an additional 50 feet. (Next Slide) work could begin in April.
- The estimated cost \$384,000
- Remaining Funds from previous dredging approximately \$70,000
- Amount needed Total = \$314,000
- Town Share = \$104,667
- State Share = \$209,333



- For additional details, see Section 3 – Alternatives Considered – for specific requirements



90 DAY DISTRICT DREDGE SCHEDULES



SNELL	1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Feb (FY20)				,											SWG														
Mar (FY20)															SWG														
Apr (FY20)															SWG														
Merritt	1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Feb (FY20)	Rollinson/South Ferry Channel Oregon Inlet													x															
Mar (FY20)	Oregon Inlet												ERY Maintenance																
Apr (FY20)	LWF									New River																			
Currituck	1 2	3	4		56		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	2	5 26	27	28	29	30
Feb (FY20)			Stag	ge Har	rbor								Shark R	River								Mispil	lian			F	Roosev	velt	X
Mar (FY20)									21-010-01	ncoteague Rudee Inlet Oregon Inlet																			
Apr (FY20)		Oregon Inlet											ulkhe	ad Cha	annel						11111111111	erreit liter	Beach	I Patra I I I I I					
Murden	1	2	3	4	5	6	_	8	9 10	0 1	11 1	12 1	13 1	14 15	5 1	.6 1	.7 1	8 1	9 2	0 2	1 2	2 2	23 24	4 2	5 2	6 2	27 28	8 29	30
Feb (FY20)													AB	BS Ship	yard														X
Mar (FY20)														ABS Sh	hipyar	ď													
														ARCC	hipyar	d													

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Dredging-Bulkhead Channel Digging Even Deeper

- Dredging on a quarterly basis would cost approximately:
- Second Quarter \$207,200 (Town Share = \$69,065.97)
- Third Quarter \$207,200 (Town Share = \$69,065.97)
- Fourth Quarter \$207,200 (Town Share = \$69,065.97)

Total Dredging Cost = \$1,005,600

- State Share = \$670,400
- Town Share = \$335,200
- These estimates are only for Bulkhead Channel Range # 1

		N	/lurden/	/Currituck: Bulkh	ead Channel (Ini	itial Cleanup)	
							as of 02/05/2020
	Amount	Unit		Unit Rate		Total Cost	
							NOTES
МОВ	1	Days	@	\$20,400.00		\$20,400.00	 MOB is based off of departing from Oregon Inlet
Currituck (24hr)	14	Days	@	\$20,400.00		\$285,600.00	2. Project will be conducted with the Murden or Currituck or
Weather(20hr)	2	Day	@	\$17,000.00		\$34,000.00	12 hour days.
Crew Change Day (20hr)	2	Day	@	\$17,000.00		\$34,000.00	3. Daily production will depend on dredge location/weather.
Survey Cost/Tech Support	2	Surveys	@	\$4,500.00		\$9,000.00	4. Disposal site is offshore.
Program and Project Management	1	Each	@	\$1,000.00		\$1,000.00	5. Minimal dredging on crew change day.
					Subtotal	\$384,000.00	
					Funds on Hand	\$0.00	
						,	This is an initial estimate ONLY and will vary
							depending on weather, project condition and
					Required	\$384,000.00	priorities.
	Amount	Unit		Unit Rate		Total Cost	NOTE
МОВ	1	Dave	0	\$20,400.00		\$20,400.00	NOTES 1. MOB is based off of departing from Oregon Inlet
	1 7	Days	@			\$142,800.00	 Project will be conducted with the Murden or Currituck or
Currituck (24hr)		Days	@	\$20,400.00		\$17,000.00	12 hour days.
Weather(20hr)	1	Day	@	\$17,000.00 \$17,000.00		\$17,000.00	3. Daily production will depend on dredge location/weather.
Crew Change Day (20hr)	1	Day	@				4. Disposal site is offshore.
Survey Cost/Tech Support	2	Surveys	@	\$4,500.00 \$1,000.00		\$9,000.00 \$1,000.00	 Disposal site is offshore. Minimal dredging on crew change day.
Program and Project Management	1	Each	@	\$1,000.00		\$1,000.00	5. Minimal dredging on crew change day.
					Cubtotol	C 207 200 00	
					Subtotal		
					Subtotal Funds on Hand	\$207,200.00 \$0.00	
							This is an initial estimate ONLY and will vary
					Funds on Hand	\$0.00	depending on weather, project condition and
					Funds on Hand	\$0.00	depending on weather, project condition and

FUNDING OPTION\$ For Future Dredging

