

VIRGINIA SALTWATER RECREATIONAL FISHING DEVELOPMENT FUND

SUMMARY PROJECT APPLICATION

Please complete all fields. This page should be used as a coversheet for a detailed application.

NAME AND ADDRESS OF APPLICANT:

Northumberland County
P.O. Box 129
Heathsville, VA 22473

PROJECT LEADER (name, phone, email):

Luttrell Tadlock
804.580.7666
ltadlock@northumberland.co.va.us

DESCRIPTIVE TITLE OF EVENT:

Dredging of Lodge Landing
Public Boat Ramp

PROJECT LOCATION:

South Yeocomico River, Northumberland
County, near Callao, VA

BRIEF PROJECT SUMMARY: (include a detailed description of activity as an attachment)

The public boat ramp at Lodge Landing (at the terminus of State Route 788, Lodge Landing Road), has siltation and sediment problems at the end of the ramp. There is a drop off at the end of the ramp and a ridge of sediment that is impeding the approach to the public boat ramp when near low tide. Northumberland County has paid a consultant to create depth soundings to measure the extent of the sedimentation problem (this information is included in the application). Northumberland County proposes to dredge the sediment ridge from the end of the boat ramp out to the 3 foot depth contour in Lodge Creek to improve access for boats to the boat ramp for loading and unloading.

EXPECTED BENEFITS: (Describe how your project directly benefits the average Virginia recreational angler)

This dredging project will increase depth around the boat ramp, providing increased access for larger recreational boats as well as increase the functionality of the boat ramp during low tide cycles. Those recreational boaters who quit using the ramp due to the sedimentation likely will return to utilizing the ramp once the dredging is complete. The 2010 VDGIF Boat Registration Database showed there are 8,834 vessels used in Northumberland County, and Lodge Landing is one of the more popular boat ramps in the County, potentially benefiting hundreds, if not thousands of recreational saltwater boaters.

SUMMARY COSTS: (Please attach a detailed budget including all sources of recipient funding)**SUMMARY COSTS****Requested VMRC Funding:**

\$22,500

Recipient Funding:

\$ 7,500

Total Costs:

\$30,000

*This form alone does not constitute a complete application, see application instructions or contact Alicia Nelson at 757-247-8155 or alicia.nelson@mrc.virginia.gov

Northumberland County Lodge Landing Boat Ramp Dredging Project

1. Project Need:

The county-owned boat ramp at Lodge Landing provides access to Lodge Creek, the South and West Yeocomico River, as well as the lower Potomac River and the Chesapeake Bay. Although recreational boaters and fisherman use the Lodge Creek Boat Ramp throughout the year (especially on the holiday weekends), the bi-annual rockfish runs are one of the times the boat ramp has the most use. In the Spring and Fall, recreational fishermen from all parts of Virginia in search of migrating large striped bass use the Lodge Creek boat ramp to access the productive fishing areas around Buoy #9 and Buoy #7 on the Potomac River. The majority of users are recreational boaters and fishermen.

The Lodge Landing boat ramp has sedimentation issues that have reduced the utility of the ramp for larger recreation fishing boats. Recreational boaters have complained about the shallow ledge inhibiting navigation when trying to load boats onto boat trailers, as well as a substantial drop off at the end of the paved boat ramp. Owners of larger trailerable boats are not using the ramp because of the drop off after the ramp, as they cannot submerge the trailer far enough to float the boat off their trailer without the trailer suspension hanging up on the edge of the boat ramp and causing damage.

Northumberland County added a sign warning of the drop off at the start of the boat ramp and another sign to indicate the end of the pavement of the boat ramp to inform recreational boaters and fishermen of the safety issue. The drop off at the end of the boat ramp, as well as the sediment build-up, has reduced the recreational fishing public's access to this stretch of Lodge Creek, the Yeocomico and Potomac Rivers, especially to those with larger size trailerable boats.

To help illustrate the problem at the Lodge Landing Boat Ramp, County personnel took the photograph on the next page during a lower than normal low tide event that clearly shows the ridge of sediment on the access fairway to the Lodge Landing boat ramp.

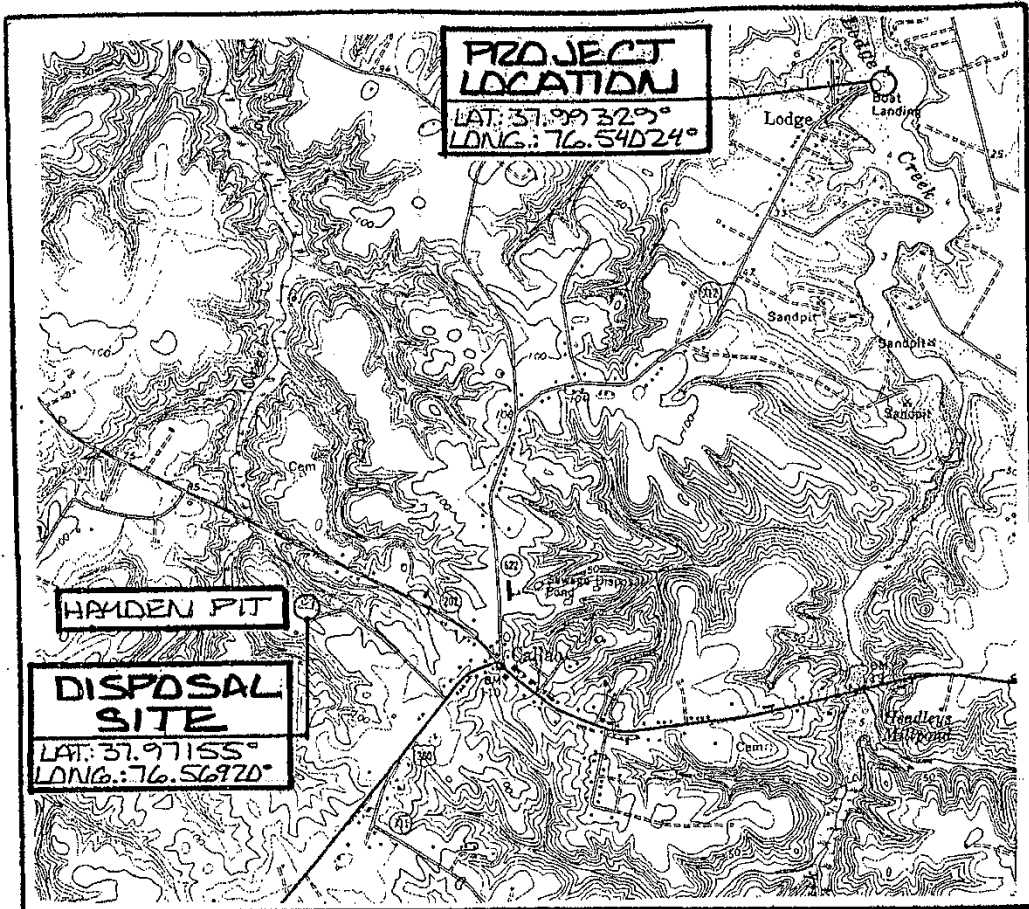
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II. Objective

Northumberland County has begun work to expedite the dredging project. The county hired a consultant to measure shoreline features (mlw, mhw, boat ramp and piers), measure water depths relative to mlw from the ramp launch basin extending through the ridge area. The consultant also prepared permit drawings showing the site plan, vicinity maps, plan and section views, dredge material handling plan, and submitted the federal, state and local Joint Permit Application (JPA) to the VMRC for processing. The county has received a permit from the VMRC (permit #2015-0759) and the U.S. Army Corps of Engineers permit #NAO 2015-0969 to conduct the dredging project at the Lodge Landing Boat Ramp access fairway. The VMRC permit is valid until June 30, 2018, and the U.S. Army Corps of Engineers permit is valid until August 14, 2018. Northumberland County proposes to dredge approximately 3,400 square feet of area channelward from the end of the boat ramp, removing approximately 90 cubic yards of material in the process and placing the dredge material at a nearby upland dredge fill site to dewater. The following four pages show detail drawings prepared by the consultant that are part of the VMRC permit. The images that follow are: Lodge Landing Boat Ramp and dredge disposal site vicinity map, site plan, depth soundings, and transect plan view A'-A'.

ADDITIONAL INFO
REVISION

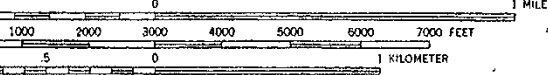
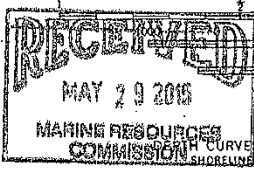
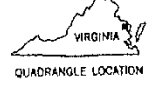


VICINITY MAP

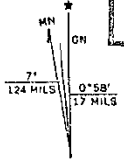
LOTTSBURG QUADRANGLE
VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)

© 2015 BAYSHORE DESIGN, LLC

SCALE 1:24000



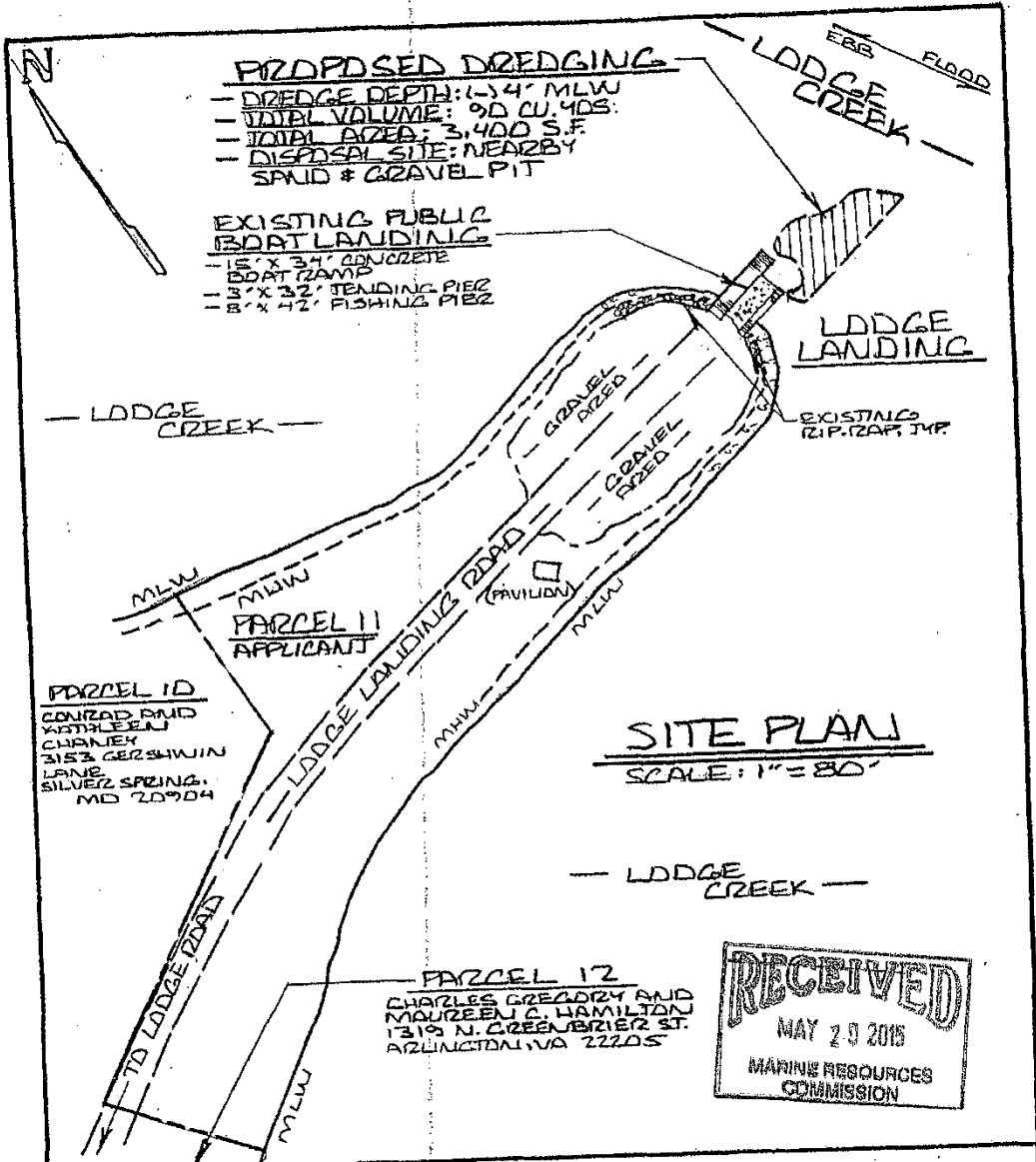
CONTOUR INTERVAL 10 FEET
 DOTTED LINES REPRESENT 5-FOOT CONTOURS
 DATUM IS MEAN SEA LEVEL
 CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
 THE MEAN RANGE OF TIDE IS APPROXIMATELY 1.2 FEET



UTM GRID AND 1988 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

PROPOSED DREDGING
 NORTHAMBERLAND CO. BOARD OF SUPERVISORS
 LODGE LANDING— NORTHAMBERLAND CO.
 SHT: 2 OF 6 DATE: 5-28-15 BAYSHORE DESIGN, LLC

ADDITIONAL INFO
REVISION



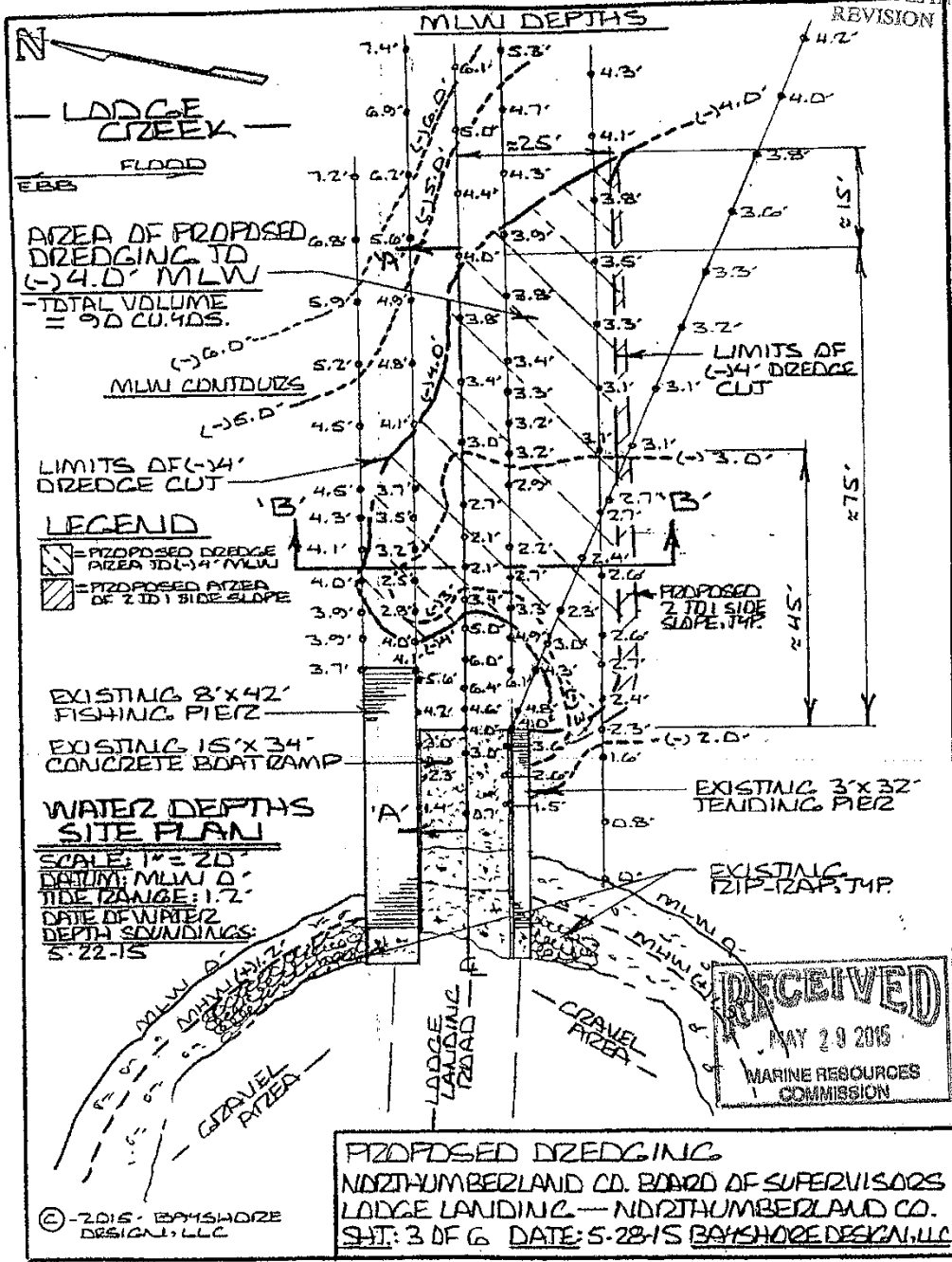
RECEIVED
MAY 20 2015
MARINE RESOURCES
COMMISSION

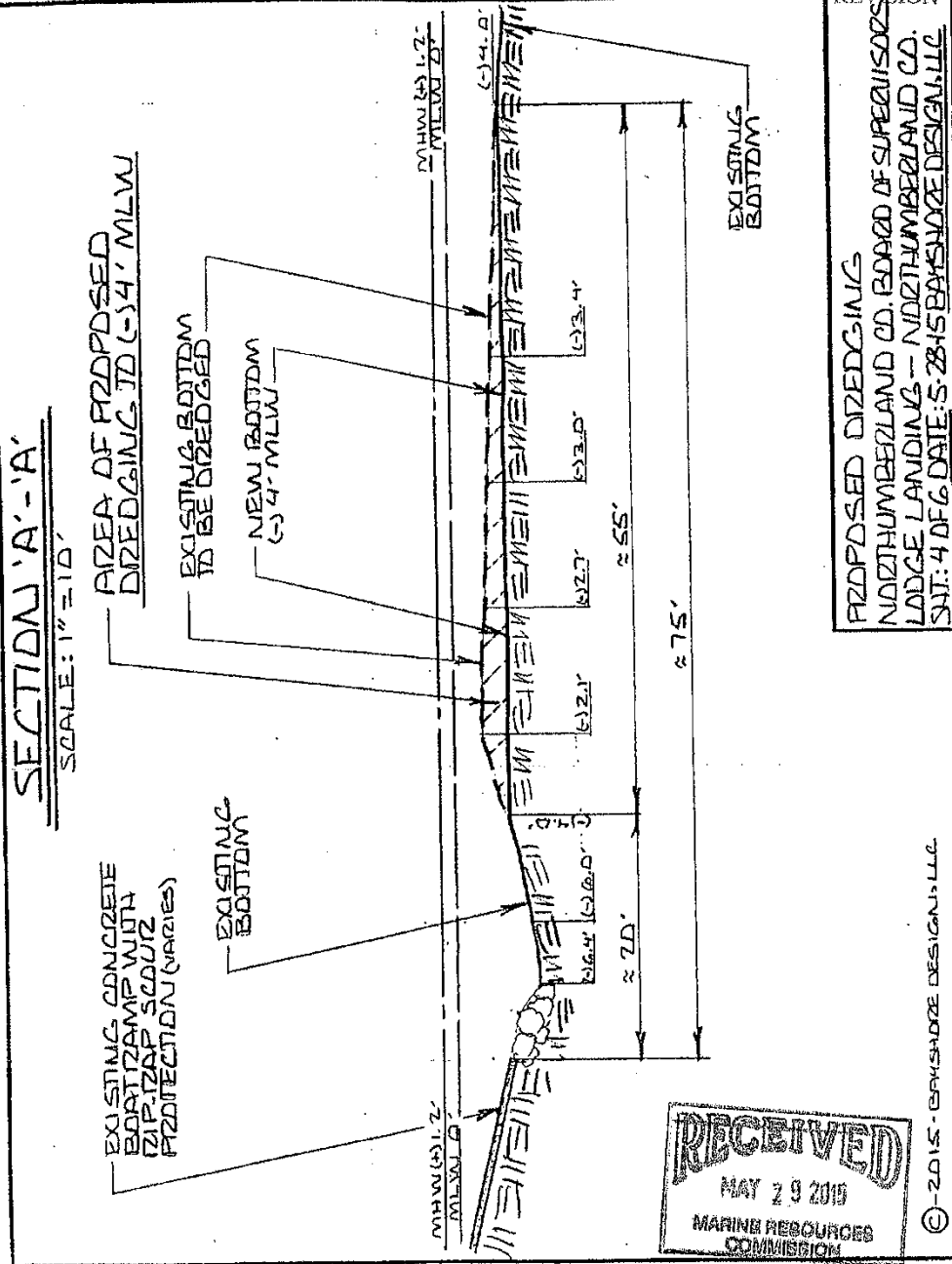
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PROPOSED DREDGING
NORTHUMBERLAND COUNTY
BOARD OF SUPERVISORS
P.O. BOX 129 HEATHSVILLE VA 22473

LOCATION: LODGE LANDING
PUBLIC BOAT RAMP, PARCEL 11 -
LOTTSBURG DISTRICT TAX MAP
BA-1, NORTHUMBERLAND CO., VA
SHT. 1 OF 6, DATE: 5-28-15, BAYSHORE DESIGN LLC

ADDITIONAL INFO
REVISION





SECTION 'A'-'A'
SCALE: 1" = 10'

PROPOSED DREDGING
NORTHUMBRELAND CO. BOARD OF SUPERVISORS
LODGE LANDINGS - NORTHUMBRELAND CO.
SHT: 4 OF 6 DATE: 5-28-15 BAYSIDE DESIGN, LLC

RECEIVED
MAY 29 2015
MARINE RESOURCES
COMMISSION

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III. Expected Results

By dredging the Lodge Landing Boat Ramp, the site will, once again, be fully utilized by recreational boaters and fishermen. Fishermen and boaters who have discontinued use of the ramp due to the sedimentation issues are anticipated to return to using the boat ramp for launch and retrieval. VMRC staff were contacted for information on the number of persons in Northumberland County with Virginia Saltwater Recreational licenses. VMRC staff informed county staff that the information was not available by county, but license information was available by zip code. From the VMRC zipcode license data, there were 1,376 persons with 2016 Virginia Saltwater Recreational Fishing Licenses in Northumberland County. In addition, according to the Virginia Department of Game and Inland Fisheries 2010 vessel registration database, there are 8,834 boats that are docked in Northumberland County. Some of the recreational anglers that use the Lodge Landing Boat Ramp come from other areas of Virginia, specifically Northern Virginia and the Richmond Area. Combining out of town recreational anglers with county boater and anglers, it is estimated that Lodge Landing services approximately three to five boats a day, with holiday weekends approaching 15-20 boats a day. On an annual basis, 1,203 boats would be launched on the low end estimate to 1,960 boats launched on the high end estimate using the aforementioned boat launch rates. On holidays such as Memorial Day and the Fourth of July, the parking lot can easily reach parking capacity (which is estimated to be 15 trucks and boat trailers). Lodge Landing Boat Ramp is the only public boat landing in the Northwestern portion of the county, and the only public boat landing on the Yeocomico River in Northumberland County.

VI. Approach

Northumberland County hopes to get started as soon as feasible, if approved for funding from the Virginia Saltwater Recreational Fishing Fund. Since all of the necessary permits have already been obtained, the dredging project is essentially shovel-ready.

If the VMRC approves this grant project in November 2016 (if expedited funding is possible, Northumberland County would like to request expedited funding), Northumberland County staff would formulate a bid proposal for dredging the Lodge Landing Boat Ramp and post the bid proposal in local newspapers in December 2016. The anticipated bid closing date would occur in January 2017. Northumberland County staff would review the bids and accept the bid it deems most beneficial to the County. The winning dredging contractor would hopefully start the project in Spring of 2017 and finish by the Summer of 2017. In order to be compliant with the VMRC permit, Northumberland County would need to hire a consultant to complete a post-project bathymetric survey within 30 days of project completion to document compliance with the VMRC permit. Northumberland County staff would work with the VMRC regarding obtaining signage to

give credit to the Virginia Saltwater Recreational Fishing Development Fund, as well as install the sign. The estimated project completion date would be December 2017.

VI. Budget

Northumberland County is seeking funding only for the contractual dredging service, and is not seeking funding for staff time in managing, overseeing or working on the Lodge Landing Boat Ramp Dredging Project. Northumberland County plans to use cash match to equal 25% of the total grant project costs to fulfill the match requirement for the Virginia Saltwater Recreation Fishing Development Fund. Northumberland County understands that these grant funds, if approved, are on a reimbursement basis, so that the County will need to fully pay for the project. After satisfactory completion of the project, Northumberland County will submit documentation to VMRC for the 75% reimbursement of project costs if this grant is approved.

Category	VSRFDF Funding	Local Funding	Total
Contractual Services (Dredging Contractor)	\$22,500	\$6,500	\$29,000
Contractual Services (Post Project Bathymetry)		\$1,000	\$1,000
Total	\$22,500	\$7,500	\$30,000

The undersigned is authorized to obligate Northumberland County to the proposed project and confirms Northumberland County's financial commitment to the Lodge Landing Boat Ramp Dredging Project.

E. Luttrell Tadlock, Northumberland County Administrator

Date Signed