

Neighborhood Channel Dredging

City Council Briefing on
Creating a Neighborhood SSD

For:

Little Neck Creek

March 4, 2014

Neighborhood Channel Dredging

Project Parameters

Financing
Strategy

- Neighborhood channel funded by SSD
- City cost share's by funding spur channel
 - Individual funding of turn basins
 - City management of project
 - Economies of scale
 - Defined schedule
 - Sunset duration

Funding
Sources
3

Neighborhood Channel Dredging

Project Format

- Mechanical Dredging
- Option for a Dredged Material Transfer Station within Little Neck Creek or on the Eastern Branch of the Lynnhaven River
- Deposition at City Disposal Area :Whitehurst Dredge Material Management Area (DMMA)

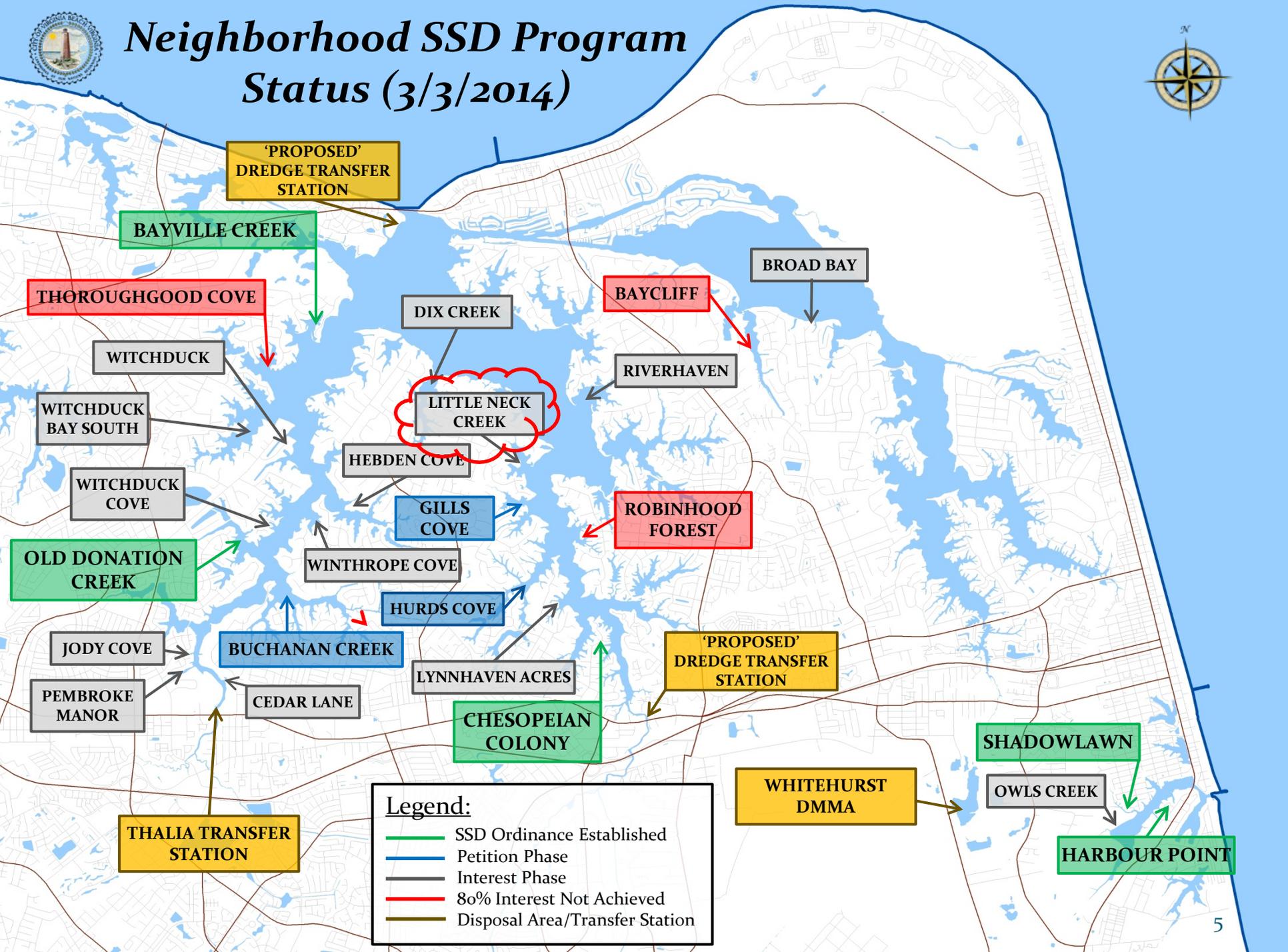
Neighborhoods In Play

1. Old Donation Creek
2. Bayville Creek
3. Shadowlawn
4. Chesapeake Colony
5. Harbour Point
6. Gills Cove
7. Buchanan Creek
8. Hurds Cove
9. Dix Creek
10. Hebden Cove
11. Little Neck Creek
12. Lynnhaven Acres
13. Witchduck Bay South
14. Witchduck
15. Witchduck Cove
16. Jody Cove
17. Pembroke Manor
18. Cedar Lane
19. Riverhaven
20. Broad Bay
21. Owls Creek
22. Winthrope Cove
23. Thoroughgood Cove
24. Baycliff
25. Robin Hood Forest





Neighborhood SSD Program Status (3/3/2014)

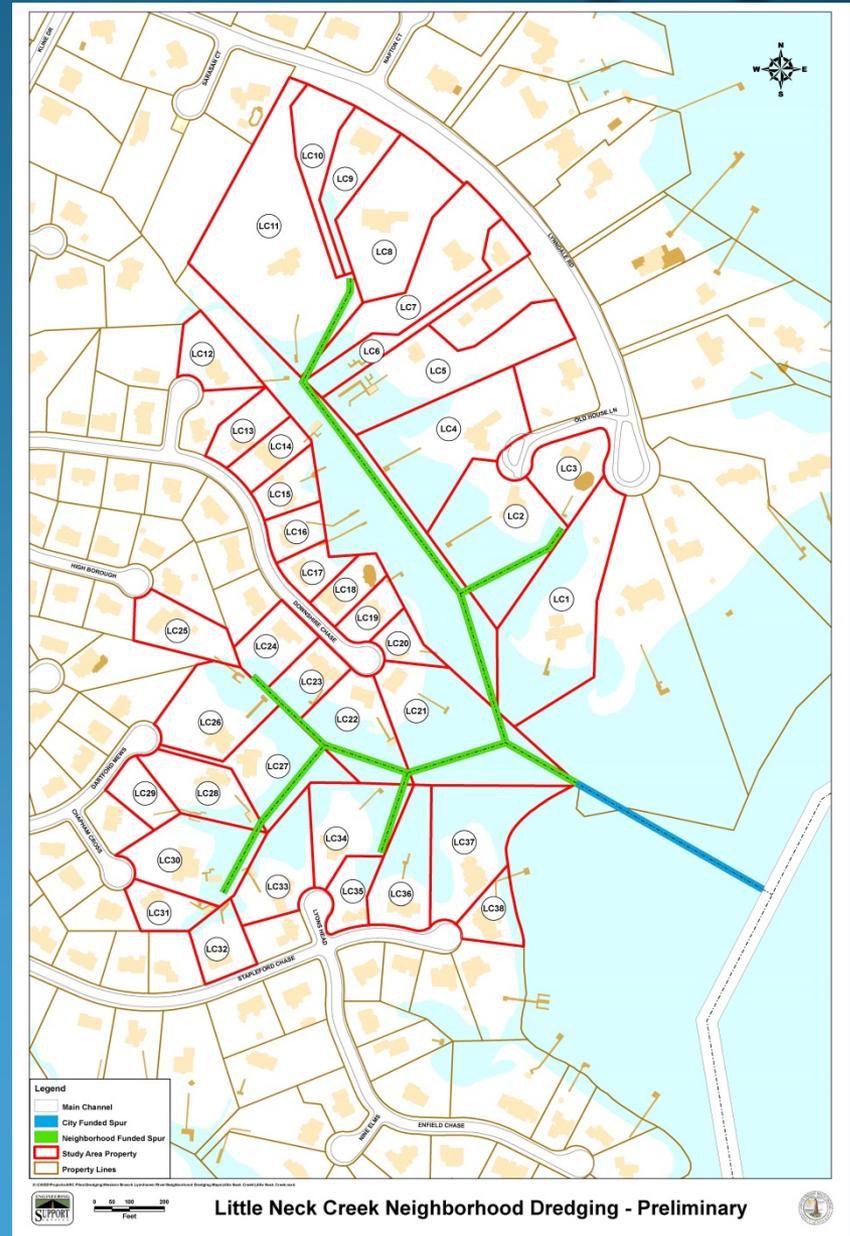


Legend:

- SSD Ordinance Established
- Petition Phase
- Interest Phase
- 80% Interest Not Achieved
- Disposal Area/Transfer Station

Neighborhood Channel Dredging

- Number of Properties: 38
- City Spur Channel Length: 610 ft
- City Spur Channel Width: 30 ft
- SSD Channel Length: 3,720 ft
- SSD Channel Width: 15 – 30 ft



Neighborhood Channel Dredging

Little Neck Creek

Life Cycle Estimated City Costs

<u>Cycle</u>	<u>Volume</u>	<u>Cost</u>
1	1,977 CY	\$81,925
2	1,384 CY	\$73,602
3	<u>988 CY</u>	<u>\$73,975</u>
	4,349 CY	\$229,502

(includes 5% cost escalation, 20% for engineering, and navigation aids)

(\$31.50, \$44.32, \$62.37)

Neighborhood Channel Dredging

Little Neck Creek

Life Cycle Estimated SSD Costs

<u>Cycle</u>	<u>Volume</u>	<u>Cost</u>
1	13,675 CY	\$545,729
2	9,573 CY	\$509,160
3	<u>6,838 CY</u>	<u>\$511,742</u>
	30,086 CY	\$1,566,631

(includes 5% cost escalation, 20% for engineering, and navigation aids)

(\$31.50, \$44.32, \$62.37)

Neighborhood Channel Dredging

Little Neck Creek

City Appropriations Schedule

<u>Cycle</u>	<u>Year</u>	<u>Design</u>	<u>Construction</u>
1	1	\$179,400	
	2		\$448,200
2	8	\$166,600	
	9		\$416,200
3	15	\$167,400	
	16		\$418,400
Total		\$513,400	\$1,282,800

Neighborhood & City Channels Total = \$1,796,200

Neighborhood Channel Dredging

Little Neck Creek SSD Data

- Total SSD FY14 assessed value: \$32,210,300
- 38 properties in the neighborhood district
- Each penny surcharge raises \$3,221/year
- Total SSD neighborhood channel dredging cost is \$1,566,631
- SSD rate covers costs for 16 year life: 30.4¢/\$100 of the FY14 assessed value
- Example: \$850,000 property contributes:
 - \$2,584 per year
 - \$216 per month
- Review rate at end of every 4th year

Neighborhood Channel Dredging

Staff Recommendations

- Approve staff to continue working with Little Neck Creek
- Refine dredging specifics: quantities, costs & participants
- Determine extent of potential mitigation
- Validate willingness to reach 80%
- Execute documentation – Willingness Petitions
- Schedule Public hearing
- Draft City Ordinance establishing SSD

City Council Discussion