

# Nansemond River Preservation Alliance

## 2012 State of the Nansemond Report Card

	Parameter	2010 Grade	2012 Grade	Where We Are in 2012	Where We Want to Be
P O L L U T I O N	<b>Bacteria</b> Upper Nans. Lower Nans.	F B+	D- B+	Improved but still impaired for recreation.  Some areas open for shell fish harvesting.	100% of waters meeting recreation standards.  Open additional areas for shell fish harvesting.
	<b>Nitrogen</b>	D	C+	Improved. Levels < algae bloom thresh.	Levels << algae bloom thresh.
	<b>Phosphorus</b>	D	D+	Slight improvement. Levels > algae bloom thresh.	Levels << algae bloom thresh.
	<b>Dissolved Oxygen</b>	B	B	Adequate for survival of aquatic life (>5.0 mg/L).	Sufficient for abundant aquatic life (>>5.0mg/L).
	<b>Water Clarity</b>	Poor - based upon limited data	D	Poor - Impediment to SAV growth, Secchi Disk reading <0.5m.	Clarity sufficient for SAV growth. Secchi Disk reading >1.0m
H A B I T A T	<b>Wetlands</b>	B-	C+	29,000 acres but wetlands sparse in high runoff areas. Encroachment in RPA buffer.	No further loss of forests. No further encroachment in RPA buffer.
	<b>Oyster Restoration</b>	Programs in startup mode	B-	NRPA established an Oyster Growers Program for citizens and schools.	Establish Oyster Study Reefs for the Nansemond River and Chuckatuck Creek.
	<b>Open Space &amp; Public Access</b>	D	C+	Sleepy Hole and Constants Wharf access planned for 2013 - Suffolk Water Trails Map published.	Open Capt. John Smith Nat'l Historic Trail on Nansemond River. Plan public access near Nansemond Wildlife Refuge
P O C L O L L U T R I O N	<b>Storm Water Improvements</b>	C+	C+	Medallion program success. City monitoring pollution. Storm water runoff an issue.	Meet EPA requirements. Implement TMDL plan for reduction in pollutants.
	<b>Sewer System Improvements</b>	C+	C	Upper Nansemond impaired. Faulty pump stations occasionally overflow.	Meet EPA/DEQ requirements. Replace faulty pump stations - 100% integrity.
	<b>Clean Boating</b>	B	B+	Constant's Wharf only marina - has pump out.	100% compliance with clean boating standards.
E D U C	<b>Education &amp; Awareness</b>	Start up mode	A	Broad range of educational programs on environmental issues.	All residents are environmental stewards
	<b>Membership</b>	" "	A	400 volunteers/members.	