

Lake Mattamuskeet Watershed Restoration Plan
Proposed Best Management Practices/Actions to Consider

#	BMP/Management Action	Goal 1	Goal 2	Goal 3	Timeframe	Duration	Cost	Funding Source	Funding Availability	Location	Regulatory Requirements
1	Continue monitoring/research efforts. Perform annual review of methodology and data gap assessment.										
2	Keep tide gates free of debris.										
3	Clean and snag external canals where appropriate.										
4	Replace flap gates with side gates where appropriate.										
5	Repair/upgrade septic systems.										
6	Connect residential properties on septic to municipal sewer where feasible.										
7	Perform localized hydrological studies.										
8	Consider the construction of additional outlet canals.										
9	Redelineate existing drainage associations and/or service districts.										
10	Create drainage/service district.										
11	Institute active lake level management.										
12	Perform temporary drawdowns by pumping water from the lake to the sound.										
13	Perform temporary drawdowns by pumping water from the lake to impoundments.										
14	Install filter strips along the edges of drainage ditches										
15	Construct woodchip bioreactors.										
16	Construct sediment basins/settling ponds.										
17	Sheetflow water over wetlands.										
18	Perform maintenance dredging of internal lake canals and outlets.										
19	Consider beneficial use of dredge material.										
20	Maintain earthen dikes.										
21	Plant emergent marsh grasses.										
22	Alter water management of croplands (i.e. pump automation).										
23	Practice no till or strip till where appropriate.										
24	Follow nutrient management plans as well as herbicide/pesticide application guidelines.										
25	Alter fertilizer, herbicide, or pesticide applications of cropland if advisable.										
26	Consider converting to organic farming practices.										
27	Alter water management of impoundments (i.e. pump automation or staged drawdowns).										
28	Consider converting impoundments from corn feedstock to MSM units.										
29	Abandon impoundments.										
30	Remove sediment from the lake.										
31	Plant submerged aquatic vegetation (SAV).										
32	Manage tide gates for anadromous and catadromous fish and larval blue crab passage.										
33	Perform carp biomass removal (mechanical/chemical).										
34	Stock fish/zooplankton.										
35	Review and update fishing and crabbing regulations for the lake as necessary.										
36	Assess groundwater/saltwater intrusion.										
37	"Shock" the lake.										
38	Consider the construction of water treatment infrastructure for the lake.										

