

NATURAL RESOURCES CONSERVATION SERVICE

VIRGINIA

OPERATION AND MAINTENANCE REQUIREMENTS

WETLAND RESTORATION

CODE 657

Land Owner/Operator _____

County _____ SWCD _____ Farm/Tract No. _____

Prepared By _____ Date _____

OPERATION AND MAINTENANCE ITEMS

A properly operated and maintained wetland is an asset to the farm. This practice was designed and installed to restore a former or degraded wetland to a close approximation of its original condition. Estimated life span of this installation is at least 15 years. The life of the wetland can be assured and usually increased by developing and carrying out a systematic operation and maintenance program. A Monitoring Checklist is attached to this O&M Plan.

This practice will require periodic maintenance and may also require operational items to maintain satisfactory performance. Your operation and maintenance program requirements include:

- Any use of fertilizers, mechanical treatments, prescribed burning, pesticides, and other chemicals will assure that the intended purpose of the wetland restoration is not compromised. The timing and methods for the use of fertilizers, pesticides, prescribed burning, or mechanical treatments are:

- Management actions shall maintain vegetation and control of undesirable vegetation. Identify circumstances when the use of biological control of undesirable plant species and pests (e.g. using predator or parasitic species) is appropriate, and the approved methods. Management of water depth and duration may be utilized to control unwanted vegetation.

- Actions to address any expected problems from invasive or noxious species include:

- Accumulated sediment will be removed when the wetland function is adversely affected.
- Conditions which indicate the need to use haying or grazing as a management tool, including timing and methods, are listed below. Minimize disturbance to ground nesting species, especially during the primary nesting season.

Monitoring Checklist

Observer _____ Date _____

Site name and location _____

Structure condition

Water control structures

N/A _____

Structure in original condition?

Yes _____ No _____

Debris constricting flow?

Yes _____ No _____

Corrosion to concrete, metal parts?

Yes _____ No _____

Missing components?

Yes _____ No _____

Unauthorized alterations?

Yes _____ No _____

Description _____

Embankments

N/A _____

Vegetative cover adequate?

Yes _____ No _____

Rills, gullies

Yes _____ No _____

Wave erosion

Yes _____ No _____

Other: _____

Description _____

Nuisance plants and animals

Nuisance vegetation

Is nuisance vegetation reducing wetland function?

Yes _____ No _____

Description _____

Nuisance fish/animals

Are nuisance species of fish or animals reducing wetland function?

Yes _____ No _____

Description _____

Wetland hydrology

Is current hydroperiod and hydrologic regime consistent with planned functions for present season and climatic conditions?

Yes _____ No _____

Description _____

Wetland vegetation

Is current wetland plant community consistent with planned functions for age of project, season, and climatic conditions?

Yes _____ No _____

Description _____

Wetland wildlife use

Is current wildlife use consistent with planned functions for age of project, season, and current climatic conditions?

Yes _____ No _____

Description _____

Wetland landscape conditions

Have land use changes occurred adjacent to the wetland or in the wetland watershed which could affect:

- water budget? Yes _____ No _____
- water quality? Yes _____ No _____
- wildlife use? Yes _____ No _____
- vegetation? Yes _____ No _____
- sediment delivery? Yes _____ No _____
- structure function? Yes _____ No _____
- structure safety? Yes _____ No _____

other wetland functions (list)

Description _____

Photographs:

Number	Date	Description
---------------	-------------	--------------------

Recommended actions:

Remarks:
