

**NATURAL RESOURCES CONSERVATION SERVICE
OPERATION AND MAINTENANCE PLAN**

IA-638 Water and Sediment Control Basin

Landowner/Operator: _____ Cost Share Program: _____

Location: Section ____ T ____ N R _____ Prepared By: _____ Date: _____

County: _____ Reviewed with Landowner/Operator: _____ Date: _____

This basin was designed and installed to collect and provide temporary storage of sediment and water from a watershed of _____ acres. It was designed to control the runoff from a rainfall of _____ inches in 24 hours.

A properly operated and maintained water and sediment control basin is an asset to your farm. The estimated life span of this installation is at least 10 years. The life of this installation can be assured and usually increased by developing and carrying out a good operation and maintenance program.

The following tasks are required to properly operate and maintain this practice to obtain satisfactory performance:

1. Inspect the basin, embankment, inlet, drain, and outlet after significant storm events and at least annually to identify repair and maintenance needs.
2. Avoid damage to riser inlets or earthfill by farm equipment. Mark risers so they are visible to prevent damage by equipment. Promptly repair or replace damaged risers and repair damaged earthfill.
3. Remove debris and trash accumulated around riser inlets that might impair water flow. Clear debris from the orifice plate in riser as needed.
4. Water and sediment control basin (WASCOB) ridges, especially those with steep backslopes, are potentially hazardous. All farming and maintenance operations should be executed with caution to reduce the chance of damage to machinery and injury to the operator.
5. Remove accumulated sediment in the channel periodically to maintain capacity and grade. Removed sediment can be used to maintain the ridge height. Repair any erosion that occurs in the basin and on the embankment.
6. Check frequently for burrowing animals. When found, remove the burrowing animals, replace embankment materials and reestablish vegetation.
7. Repair any settlement or piping along drain pipe promptly.
8. Remove trash from the outlet and maintain animal guard.
9. Regularly mow and fertilize desired vegetation. Time the first mowing for after nesting birds have hatched (about _____). Remove excess top growth. Remove risers when burning warm season grasses. Operate mowing and other equipment on slopes in accordance with machinery operation manual.
10. Control tree and bush growth by hand cutting, mowing, or chemicals. Avoid damaging grass with herbicide sprays.
11. Maintain proper width, depth and shape of auxiliary spillways. Fill and seed any rills that occur.
12. Repair all broken subsurface drain lines adjacent to or in the WASCOB.