

OVERVIEW OF DAM



View of erosion to top of embankment, trees on embankment and vegetation in emergency spillway (8/16/05).

UPSTREAM VIEW OF EMERGENCY SPILLWAY



EMERGENCY SPILLWAY

View of vegetation in emergency spillway from north side of reservoir (8/16/05).

UPSTREAM DAM FACE



View of embankment from north side of reservoir (8/16/05).

UPSTREAM DAM FACE



View of embankment from north side of reservoir (8/16/05).

UPSTREAM DAM FACE



View upstream from north side of reservoir (8/16/05).

EROSION TO FILL IN DAM DUE TO OVERTOPPING



Top of embankment looking north at erosion to top of embankment (8/16/05).

EROSION TO FILL IN DAM DUE TO OVERTOPPING



View of erosion to downstream face of dam (8/16/05).

EROSION TO FILL IN DAM DUE TO OVERTOPPING



View of vertical face of headcut at top of embankment (8/16/05).

EROSION ON DOWNSTREAM FACE OF DAM



Vegetation to be cleared from lower portion of eroded embankment (8/16/05).

EMERGENCY SPILLWAY



View upstream at vegetation in emergency spillway exit channel (8/16/05).

EMERGENCY SPILLWAY WITH STANDING WATER



Standing water in emergency spillway exit channel. Flow from right to left. (8/16/05).

EROSION AND BRUSH ON DAM



View of minor erosion to downstream face of embankment near south abutment past small tree. (8/16/05).

TREES AND HEAVY BRUSH ON DAM



View of downstream face of embankment toward pump house. (8/16/05).

PIPE THROUGH THE DAM



Outlet pipe and valve at downstream toe of dam. (8/16/05).

DAM BEFORE REPAIR



Note tree on right side of picture.

DAM AFTER REPAIRS



Note tree in center of picture as reference point.

DAM BEFORE REPAIR



Top of Dam looking toward emergency spillway.

DAM AFTER REPAIRS



Note repair to erosion on top of dam.

EXAMPLE OF GOOD DAM



- No trees on fill
- Good vegetation
- Wide top width sloped into pond

HEADCUT IN SPILLWAY



- Sides are too steep to be stable
- Excessive debris in outlet
- Active Headcut(s)

ACTIVE HEADCUT



Slope sides

Lay geotextile fabric

Place angular to sub-angular rock riprap

TREES ON DAM



•Note how emergency spillway runs in front of dam

IRRIGATION PIPE OUTLET



- Headcut
- Outlet induced