



**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

DAM INSPECTION REPORT

INSPECTION DATE: Feb. 12, 1996

DAM NAME: Pascoag Reservoir Upper Dam

R.I. DAM ID # 016

OWNER NAME: Pascoag Upper Dam Association

DOWNSTREAM HAZARD: High

SIZE: Medium

CURRENT POND ELEVATION: approx. 2.5' below normal

Based on the visual inspection of the site, the current condition of this dam and its appurtenances is considered to be:

**Embankment: GOOD
Spillway: POOR
Gate Outlet: UNTESTED**

EMBANKMENT:

Upstream slope;

- The upstream slope is protected by large rip-rap which is in good condition.
- There is no evidence of significant bank erosion from wave or ice action along the water-line area; however, there are areas of significant slope erosion, possibly caused by excessive foot traffic or repeated surface (storm) run-off at the top of the slope a short-distance east of the gatehouse.
- No animal burrows were noted along the upstream slope.

Downstream slope;

- No significant misalignment of the downstream slope was noted.
- No animal burrows were noted along the downstream slope.
- It appears that the brush along the downstream slope has been recently cut.
- No cracking of the downstream slope was noted.

Crest of Embankment; Width: approx. 20'

- The horizontal alignment of the embankment crest appears to be good.
- The crest of embankment is grass covered with a grass/gravel path extending the entire length of embankment.. It is relatively flat and clear of deleterious vegetation.
- No areas of settlement (or sinkholes) were noted along the crest.
- There are two areas of bank erosion along the shoulder of embankment.

PRINCIPAL SPILLWAY: Length:22' Max. Flow Depth: 5'

- The approach channel to the spillway was clear of obstructing vegetation or debris.
- There was no evidence of movement or settlement of the spillway structure.
- The masonry training walls need to be repointed (in areas) with new grout.
- There is no leakage at the abutment contacts of spillway & sidewalls.
- The concrete crest is in poor condition. It is badly broken-up and needs to be resurfaced.
- The discharge channel had vegetation and debris which obstructed the free flow of discharge water.

EMERGENCY (AUXILIARY) SPILLWAY:

There is no emergency spillway structure at this dam.

GATE CONTROL STRUCTURE - LOW LEVEL OUTLET:

The gates were not tested on this date; however, the gate structure was repaired in 1993. There was a moderate flow of water being discharged through the gate structure on this date. The concrete-block gatehouse was securely locked and the structure appears to be in good condition. The condition of the trash rack is unknown.

COMMENTS & RECOMMENDATIONS:

1. Cut & remove tree & brush vegetation from the spillway discharge channel.
2. Repair areas of erosion along the shoulder of the embankment; regrade and reseed as necessary.
3. Repair the concrete surface of the spillway crest.

A handwritten signature in black ink, reading "E. F. Prout, Jr." in a cursive script.