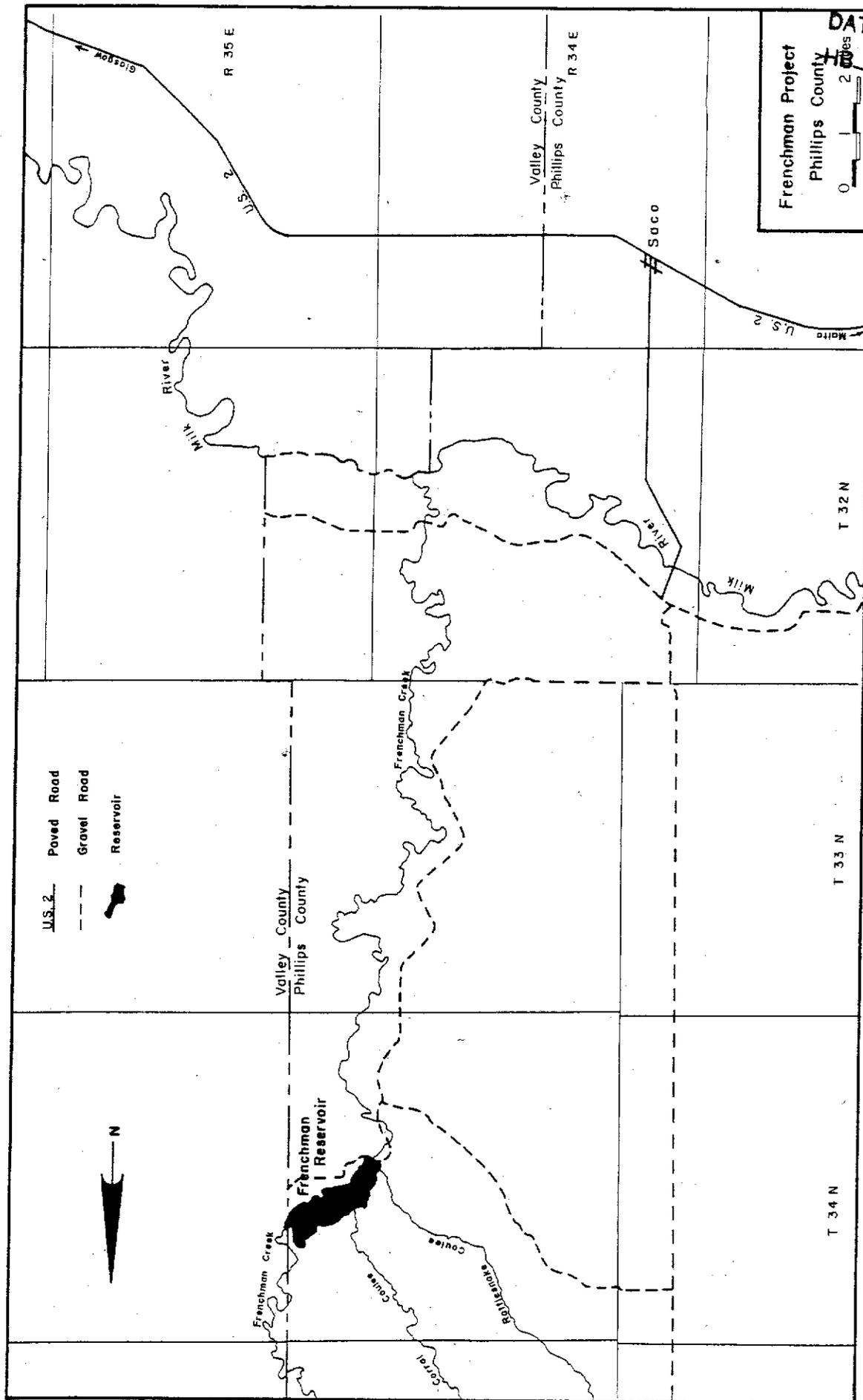


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# FRENCHMAN'S DAM

## Fact Sheet

### PROJECT DESCRIPTION

- Located on Frenchman Creek, in Phillips County
- 22 miles north of Saco
- Owned by DNRC & managed by SWPB
- Operated by Frenchman WUA since 1952
  
- Project consists of:
  - Earthen Embankment Dam, 44 feet high, 2,100 feet long
  - West end dike, 8 feet high, 1,000 feet long
  - Reinforced concrete chute spillway
  - Gated, reinforced concrete 60" outlet conduit
  
- Original construction completed in 1951
- The dam failed in 1952 due to high stream flows from rapid snowmelt
- Reconstructed in 1952-1953 with larger spillway and revisions to seepage cutoff
- Normal storage is 3,752 acre-feet
- Approximately 50% of reservoir storage capacity has been lost from sedimentation
- 17 water users have 58 contracts for 7,000 acre/feet of water

### PROJECT DEFICIENCIES

- Severe concrete deterioration exists in the spillway floor and walls, and major structural concrete replacement is required to correct the deficiencies.
- Excessive seepage may threaten the structural integrity of the spillway.

### PROPOSED ACTIONS TO ADDRESS DEFICIENCIES

- The State Water Projects Bureau and the Frenchman Water Users Association are proposing a feasibility study to evaluate the known problems at Frenchman Dam while incorporating an investigation to identify other potential problems. The feasibility study would also identify and outline mitigation and rehabilitation alternatives for the project.
  
- The Department is requesting a Renewable Resource grant in the amount of \$100,000. The State Water Projects Bureau will assume a lead role in project management, intending to contribute in-kind technical services amounting to approximately \$65,000. The estimated cost of the feasibility program is approximately \$165,000.