

MARTINSDALE NORTH DAM

Fact Sheet

EXHIBIT 2
DATE 1/19/05
HB 6,8

PROJECT DESCRIPTION

- Off stream storage project, in Wheatland and Meagher Counties
- 2.5 miles southeast of Martinsdale
- Owned by DNRC & managed by SWPB
- Operated by Upper Musselshell Water Users Association since 1939

- Project consists of:
 - Zoned Earth Fill Dam, 91 feet high, 1,000 feet long
 - Reinforced concrete chute spillway
 - Gated, reinforced concrete 60" outlet conduit

- Constructed in 1939
- Storage at full pool is 23,348 acre-feet
- 86 water users have 101 contracts for 21,718 acre/feet of water
- The delivery of stored irrigation water is vitally important to the farm/ranch operations of the water users. This region has been particularly hard hit by the on-going drought.

PROJECT DEFICIENCIES

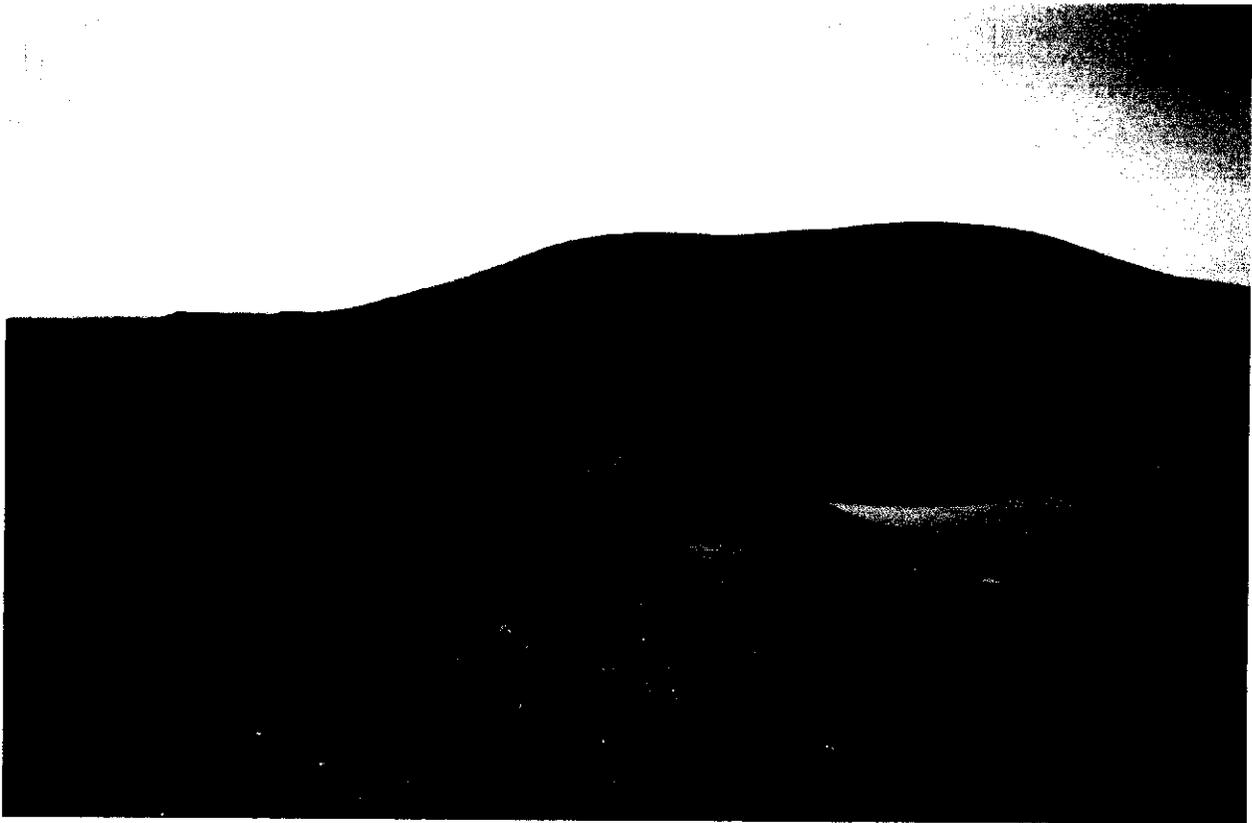
- The inlet structure plugged in 1989, 2000, 2001, and 2002 due to wave action, creating a potentially serious public safety issue and threatening the ability of the project to deliver irrigation water.

PROPOSED ACTIONS TO ADDRESS DEFICIENCIES

- Riprap is needed on the right abutment slope around and above the intake structure to stabilize this slope and eliminate continued plugging.

- The total project budget is estimated to cost approximately \$208,938.

- The Department is requesting a Renewable Resource grant in the amount of \$100,000 to help pay for a portion of the project cost. The remaining portion will be paid for by the Upper Musselshell Water Users Association.



Martinsdale North Dam, Upstream Face



Martinsdale North Dam, Outlet on Downstream Face