PROJECT DESCRIPTION

♦ Located on the North Fork of the Smith River in Meagher County, 10 miles East of White Sulphur Springs
♦ Construction completed in 1936
♦ Owned by DNRC & managed by SWPB
♦ Operated by the North Fork of the Smith River Water Users Association since 1936

♦ Project consists of:
  • Earthen Embankment Dam, 84 feet high, 1,300 feet long
  • Labyrinth weir spillway with excavated rock channel
  • Gated, reinforced concrete outlet conduit
  • 5 foot by 5 foot reinforced concrete, modified horseshoe shaped conduit with manually operated 54-inch butterfly operating gate and 54-inch diameter slide guard gate

♦ Normal storage is 11,500 acre-feet, covering 335 surface acres.
♦ The dam is a “high hazard” structure, which means that its failure could cause loss of life. Numerous roads, bridges, and utilities are located in the flood plain.

WATER USE

♦ 29 water users have 40 contracts for 11,000 acre-feet; delivered by one canal (Southside Canal; 13.2 miles long)
♦ Primary water use is for irrigation; the reservoir is a popular recreation site as well.
REHABILITATION SUMMARY

The North Fork of the Smith Dam was rehabilitated in 2006. The rehabilitation project included:

♦ Constructing a new two-cycle labyrinth weir concrete spillway
♦ Raising and leveling the dam crest
♦ Replacing the outlet works terminal structure with a new structure
♦ Enlarging the rock spillway channel
♦ Constructing a stability berm at the toe of the dam
♦ Installing new drains for seepage control
♦ Project Cost: $825,000

FUTURE NEEDS

♦ The project was rehabilitated in 2006 and meets or exceeds current dam safety standards. No deficiencies currently exist.