COLORADO AG WATER ALLIANCE

AG WATER WORKSHOP

RESERVOIR DREDGING

AIMS COMMUNITY COLLEGE

GREELEY, COLORADO

JANUARY 23, 2020



FIRE MOUNTAIN CANAL & RESERVOIR COMPANY

NORTH FORK WATER
CONSERVANCY DISTRICT

HOTCHKISS & PAONIA COLORADO

STEVE FLETCHER
MANAGER/DAM TENDER

PAONIA DAM

THE FIRST COMPLETED PARTICIPATING PROJECT
OF THE
COLORADO RIVER STORAGE PROJECT

BUILT FOR AND BY THE PEOPLE

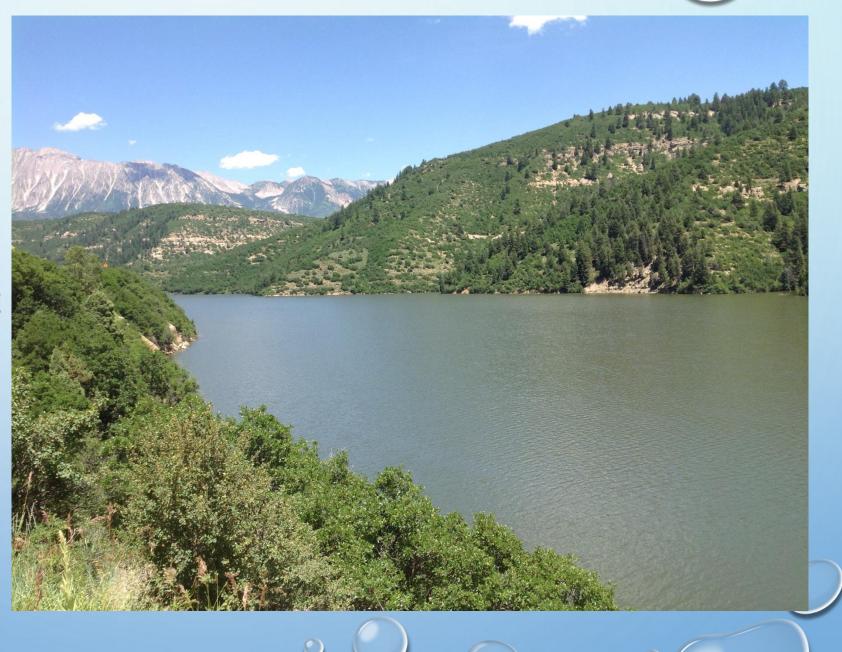
OF THE UNITED STATES

OPERATED BY THE NORTH FORK WATER CONSERVANCY DISTRICT

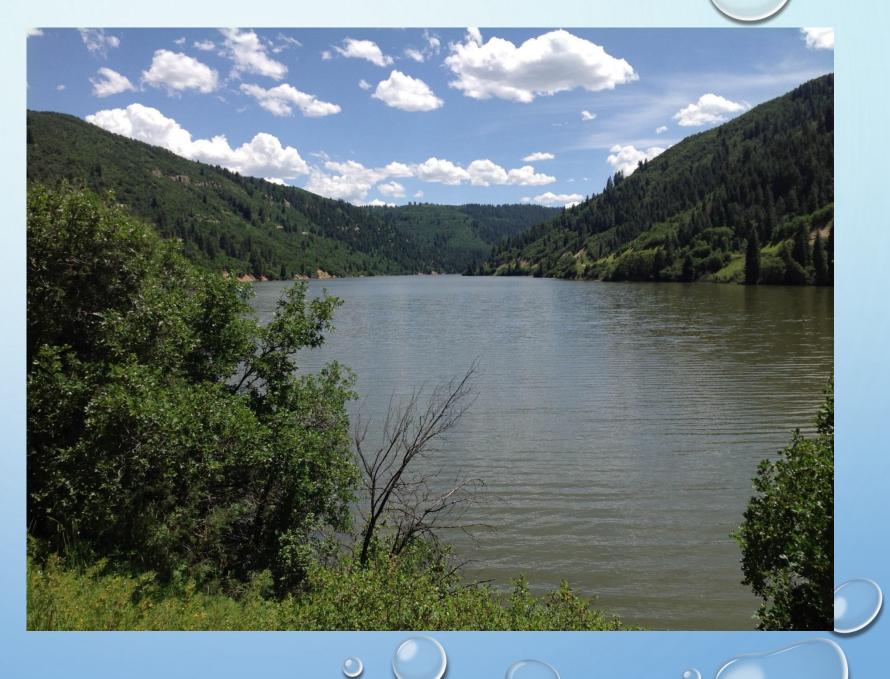
DEDICATED SEPTEMBER 29, 1962

UNITED STATES DEPARTMENT OF THE INTERIOR STEWART L. UDALL, SECRETARY BUREAU OF RECLAMATION FLOYD E. DOMINY, COMMISSIONER

PAONIA DAM & RESERVOIR IS LOCATED IN GUNNISON **COUNTY 16 MILES NE OF** PAONIA CO. ALONG CO. HWY 133 ABOVE THE TOWN OF SOMERSET. THE DAM WAS **BUILT ON MUDDY CREEK UPSTREAM FROM ITS CONFLUENCE WITH** ANTHRACITE CREEK. THESE TWO CREEKS TOGETHER FORM THE NORTH FORK OF THE GUNNISON RIVER. PAONIA DAM IS OWNED BY **USBOR, AND IS OPERATED** AND MAINTAINED BY THE FIRE MOUNTAIN CANAL AND RESERVOIR COMPANY UNDER CONTRACT WITH THE NORTH FORK WATER CONSERVANCY DISTRICT.

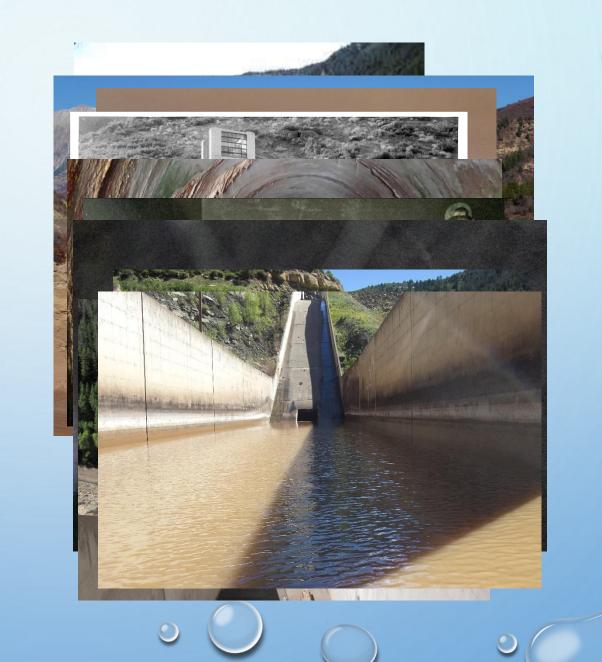


PAONIA RESERVOIR PROVIDES IRRIGATION WATER TO APPROXIMATELY 15,300 **ACRES OF LAND AND HAS RECREATION AND FLOOD** CONTROL BENEFITS. WHEN THE **CONSTRUCTION OF THE** DAM WAS COMPLETED IN 1962 THE RESERVOIR HAD AN ACTIVE STORAGE CAPACITY OF 18,150 AF. SEDIMENT FROM MUDDY CREEK FLOW INTO THE **RESERVOIR AND HAS** REDUCED THIS STORAGE CAPACITY TO AROUND 15,000 AF.





- ZONED EARTH FILL EMBANKMENT
- DAM HEIGHT 199 FT
- DAM COMPLETED 1962
- OUTLET WORKS (CAP. 1,130 FT³/S)
 - RIGHT ABUTMENT
 - SQUARE INTAKE TOWER (60 FT)
 - TUNNEL
 - TWIN HP GATES (2.75 FT X 2.75FT)
- SPILLWAY (CAP. 12,600 FT³/S)
 - UNCONTROLLED OGEE CREST AND OPEN CHUTE
- COMMON OUTLET/SPILLWAY STILLING BASIN











1962 2017

60 FEET OF SEDIMENT











