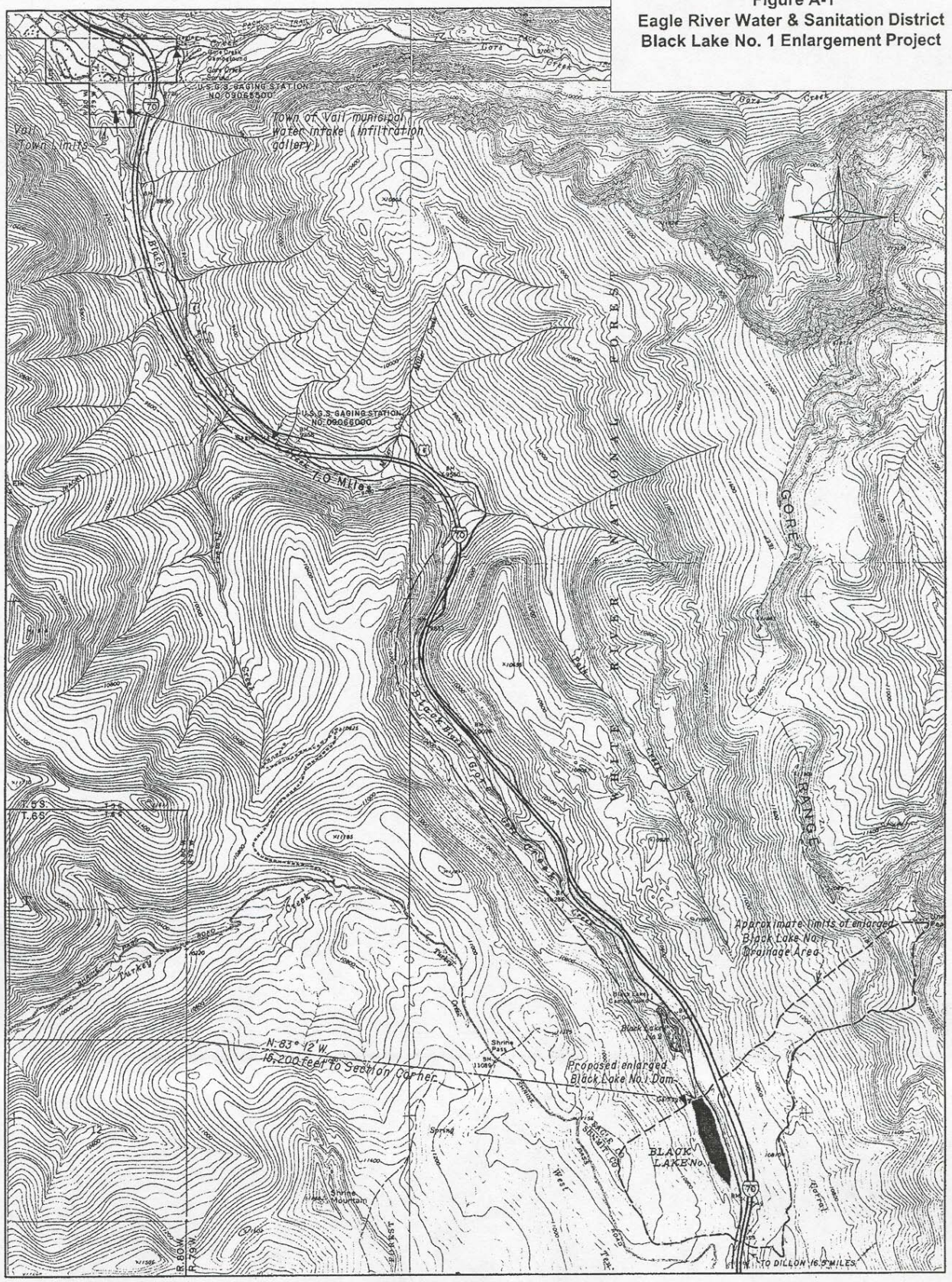
Figure A-1
Eagle River Water & Sanitation District
Black Lake No. 1 Enlargement Project

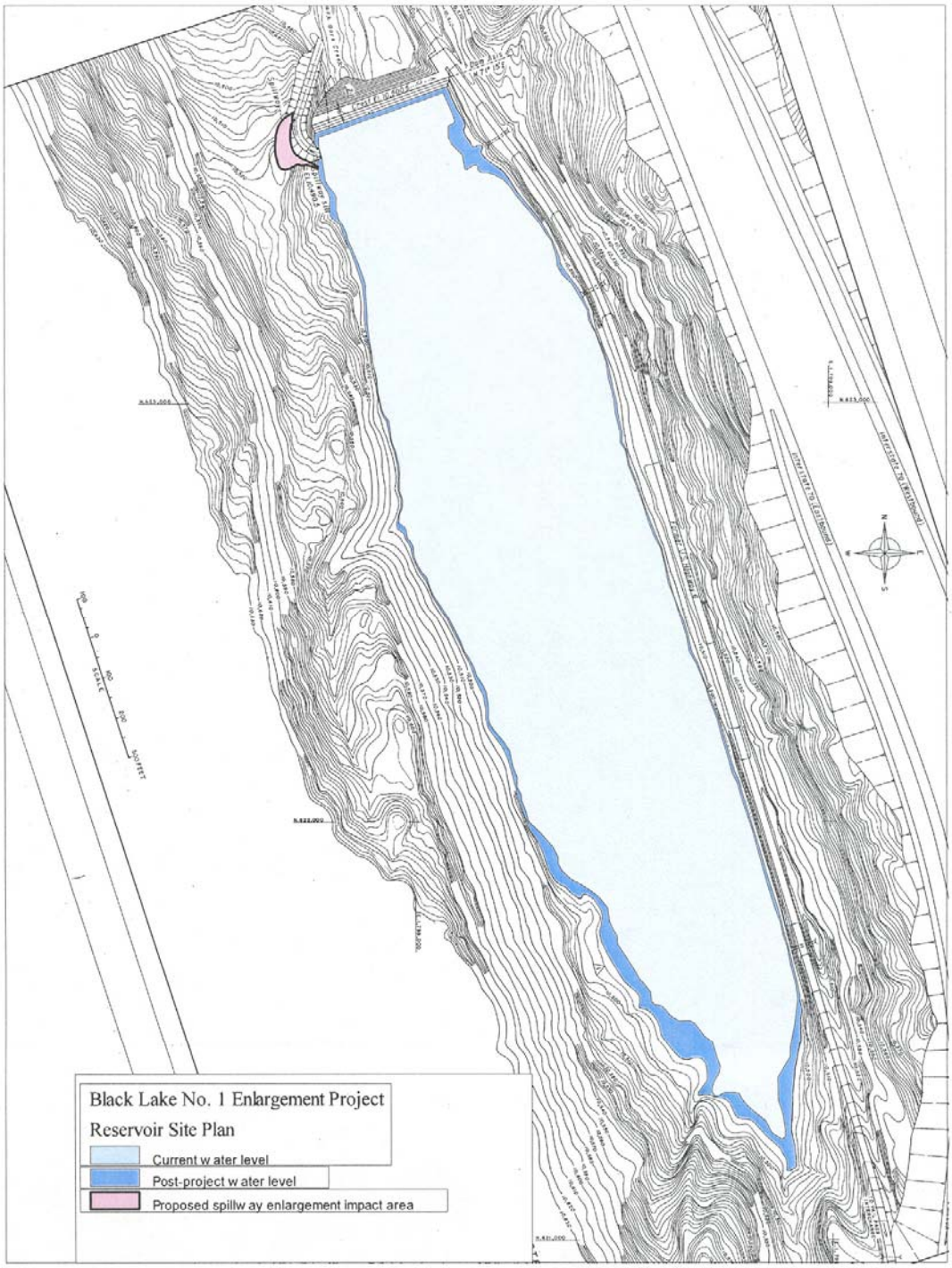


VICINITY MAP

2000 0 2000 4000 6000 FEET

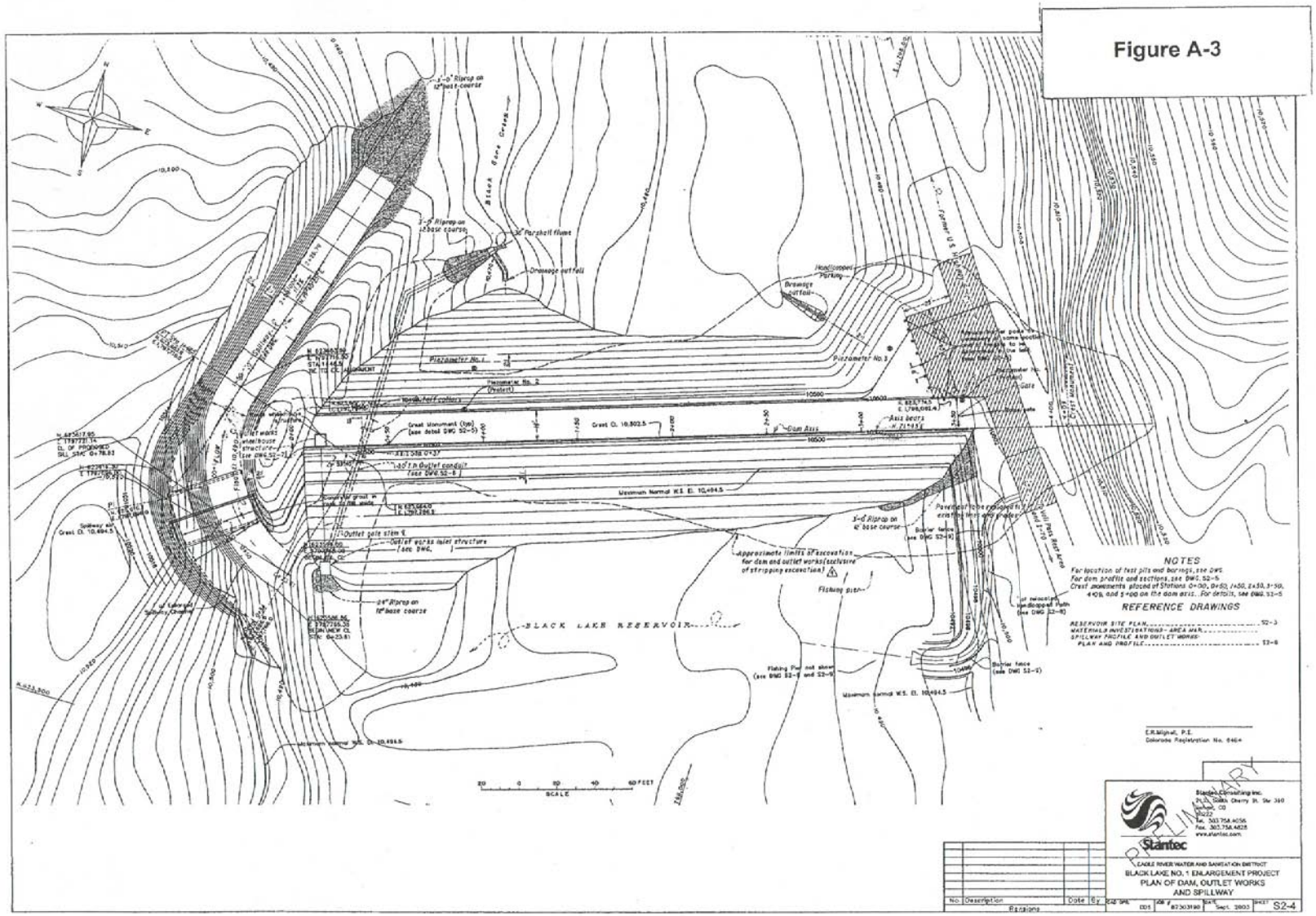
SCALE

Figure A-2



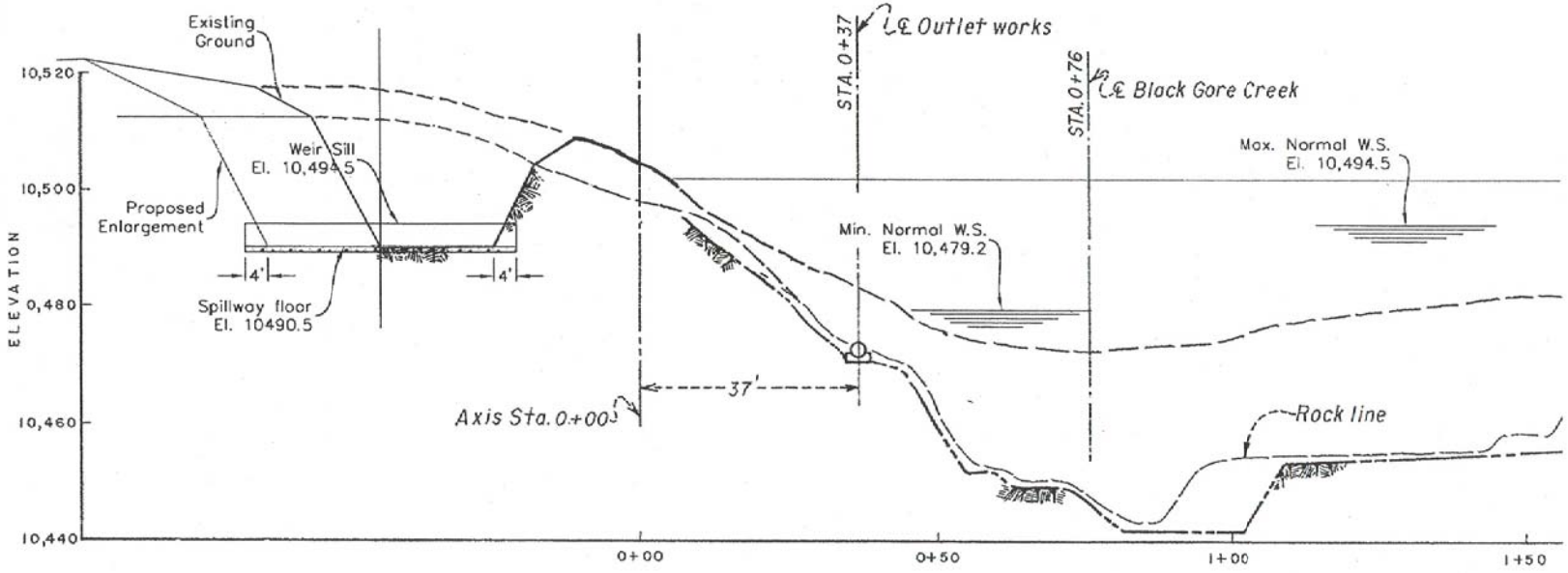
Hydrosphere Resource Consultants, Inc.
02/23/05

Figure A-3



NOTES
For location of test pits and borings, see DWG.
For dam profile and sections, see DWG. S2-5
Crest monuments placed at Stations 0+00, 0+50, 1+50, 2+50, 3+50, 4+00, and 5+00 on the dam axis. For details, see DWG. S2-5
REFERENCE DRAWINGS
RESERVOIR SITE PLAN S2-3
MATERIALS INVESTIGATIONS - AREA MAP
SPILLWAY PROFILE AND OUTLET WORKS PLAN AND PROFILE S2-6
E.R.Mighel, P.E.
Colorado Registration No. 6464
Stantec Consulting Inc.
Stantec
EAGLE RIVER WATER AND SANITATION DISTRICT
BLACK LAKE NO. 1 ENLARGEMENT PROJECT
PLAN OF DAM, OUTLET WORKS AND SPILLWAY
S2-4
Sept. 2003
PRELIMINARY
BLACK LAKE RESERVOIR
Black Gore Creek
Dam Axis
Maximum Normal W.S. El. 10,494.5
Piezometer No. 1
Piezometer No. 2
Piezometer No. 3
Drainage outfall
Handicapped Parking
Fishing pier
Approximate limits of excavation for dam and outlet works (exclusive of stripping excavation)
Outlet gate stem
Outlet works inlet structure
Crest Monument (typ)
Crest El. 10,502.5
Spillway air
Crest El. 10,494.5
Maximum normal W.S. El. 10,494.5
SCALE

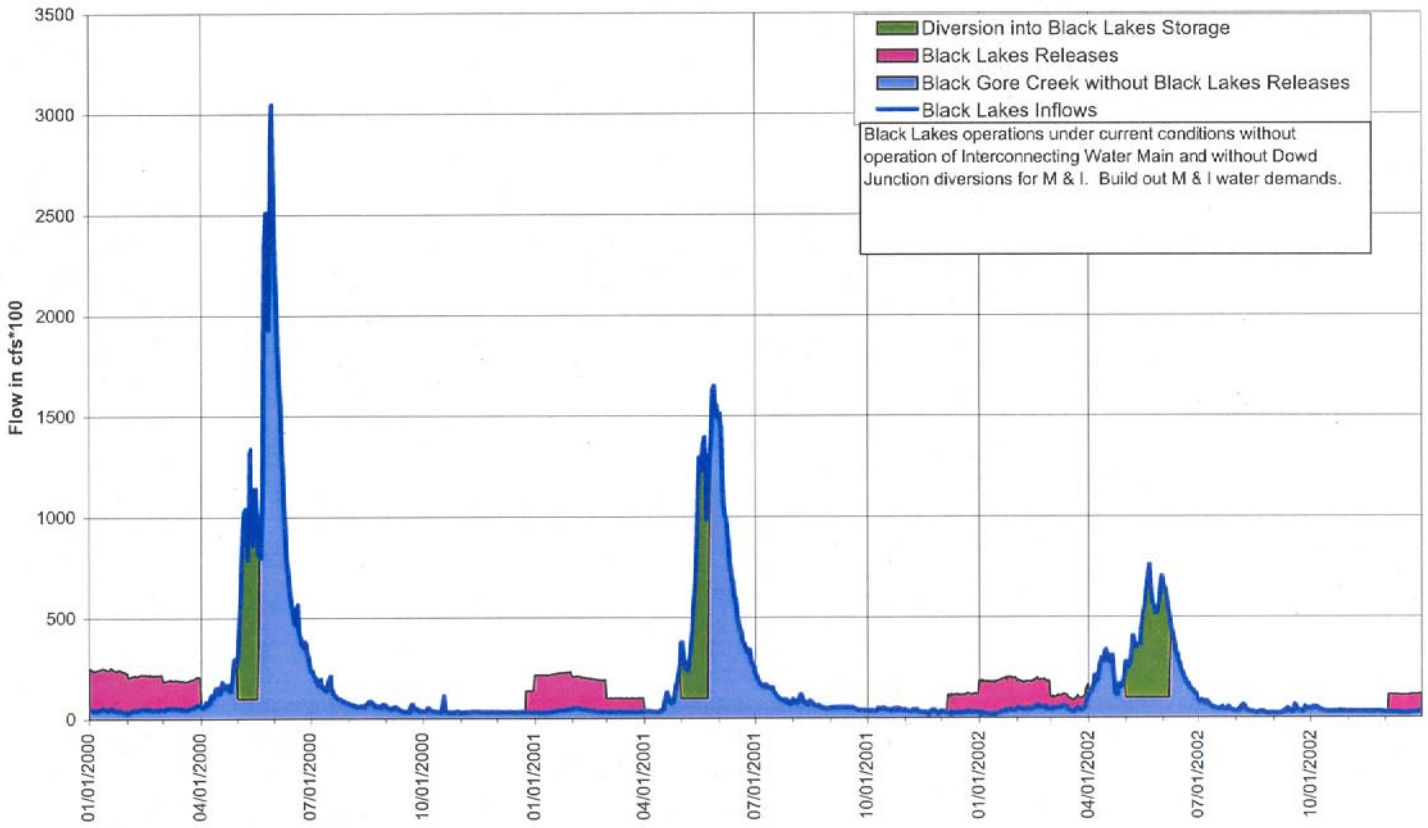
Figure A-4
Black Lake No. 1 Enlargement
Spillway Cross-Section



P

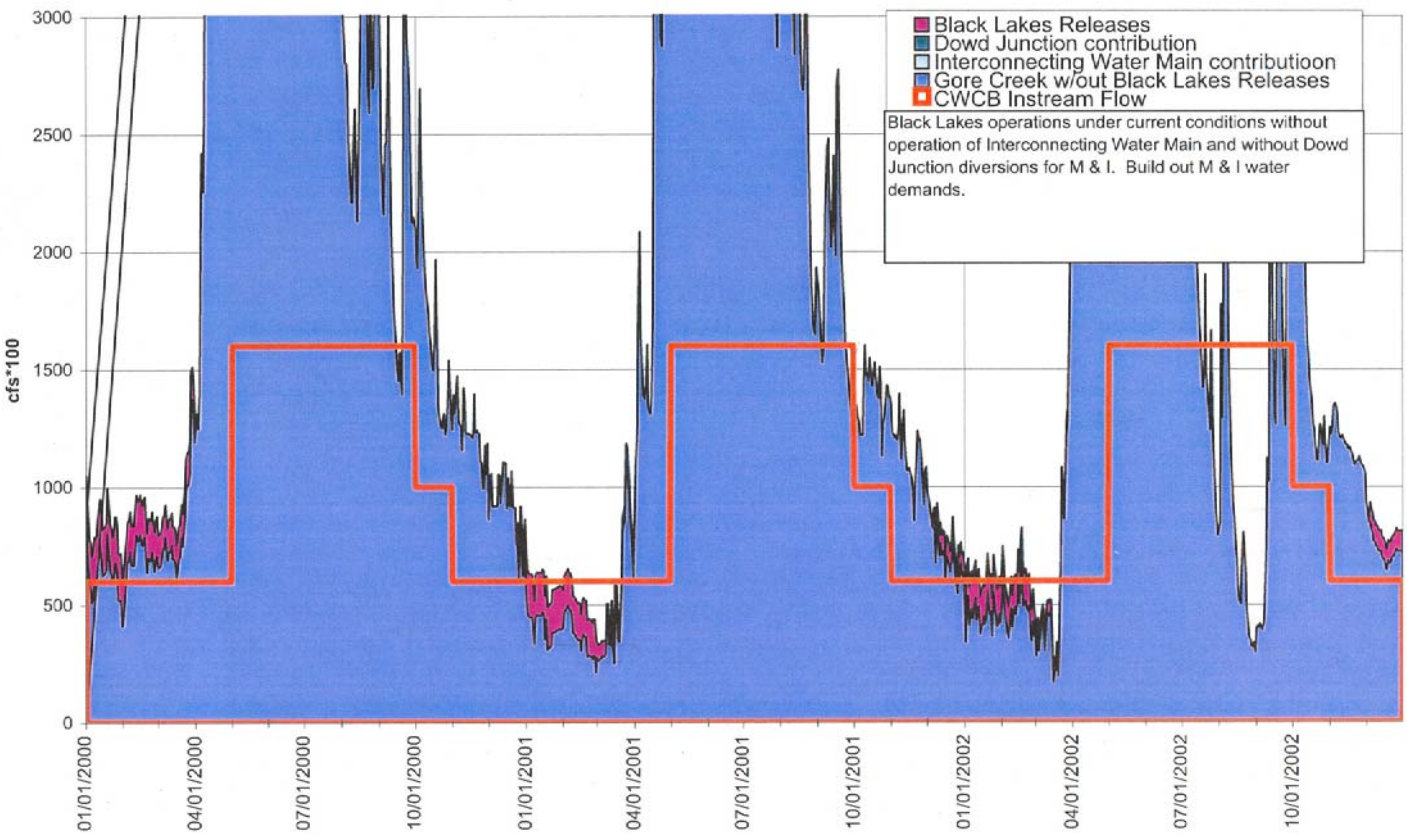
Black Gore Creek below Black Lakes No. 2
Current Conditions

Figure A-5



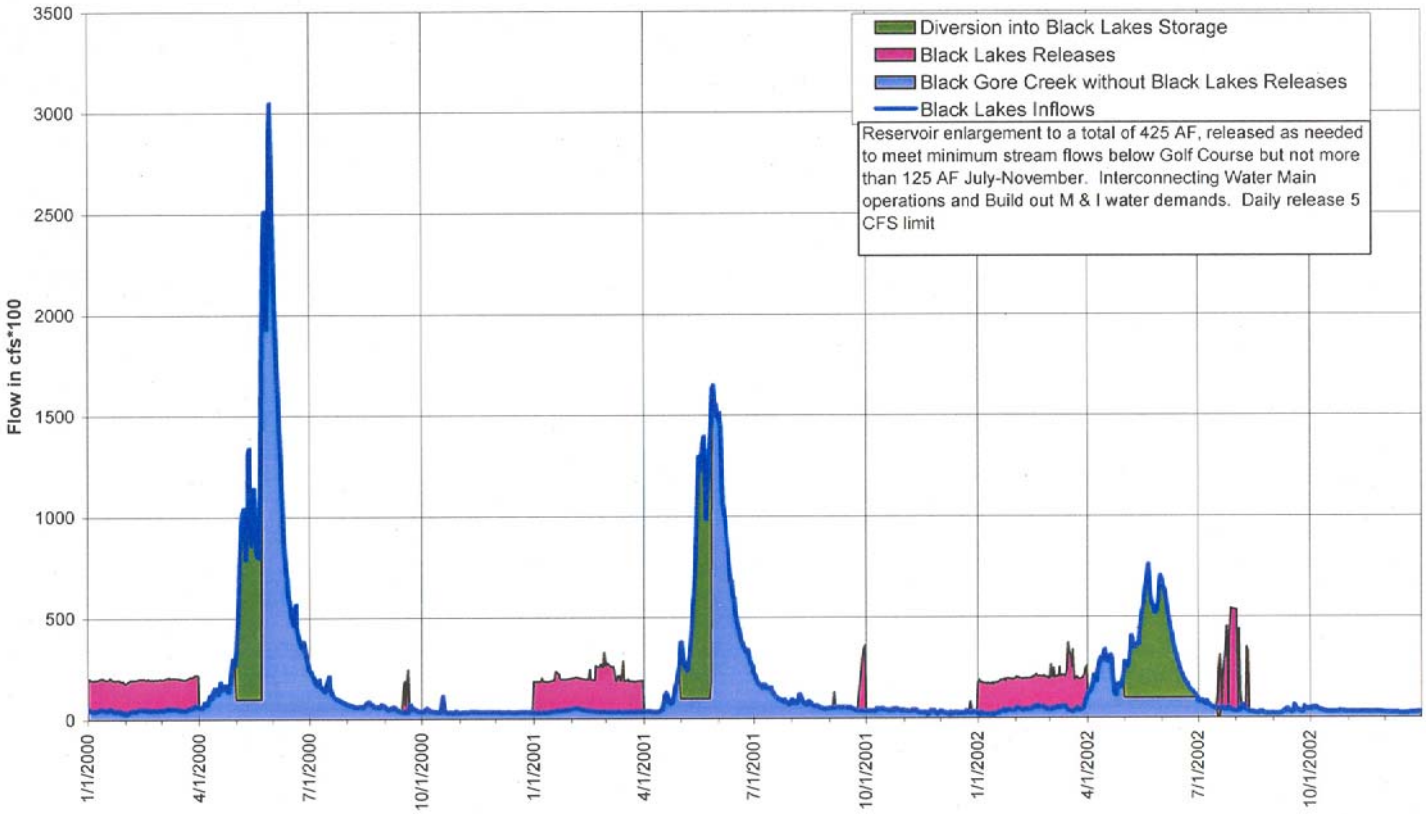
Gore Creek below ERWSD Wells and Vail Golf Course Diversion
Current Conditions

Figure A-6



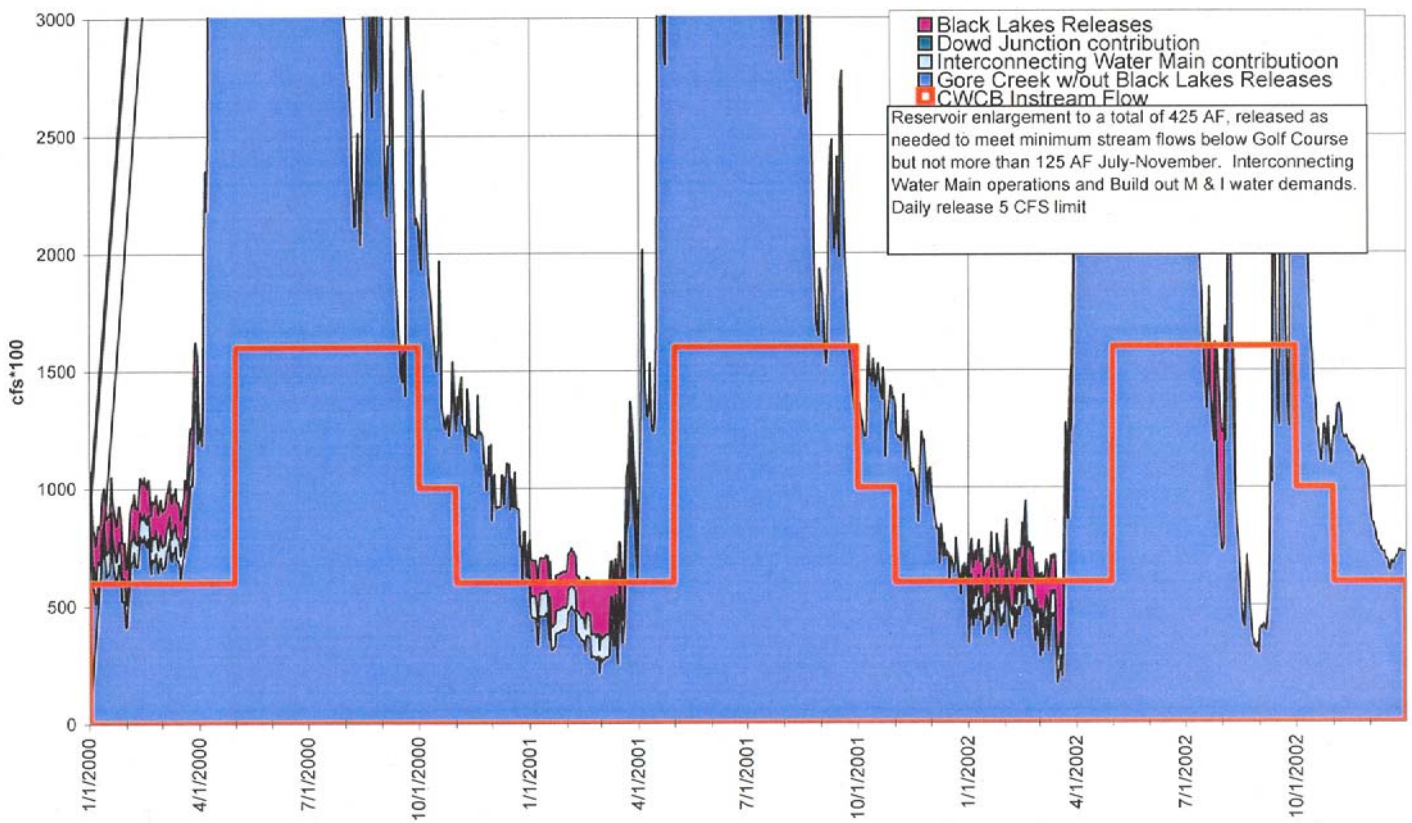
Black Gore Creek below Black Lakes No. 2
Reservoir Enlargement 125 AF w Dynamic Release, limited Non-winter releases

Figure A-7



Gore Creek below ERWSD Wells and Vail Golf Course Diversion
Reservoir Enlargement 125 AF w Dynamic Release, limited Non-winter releases

Figure A-8



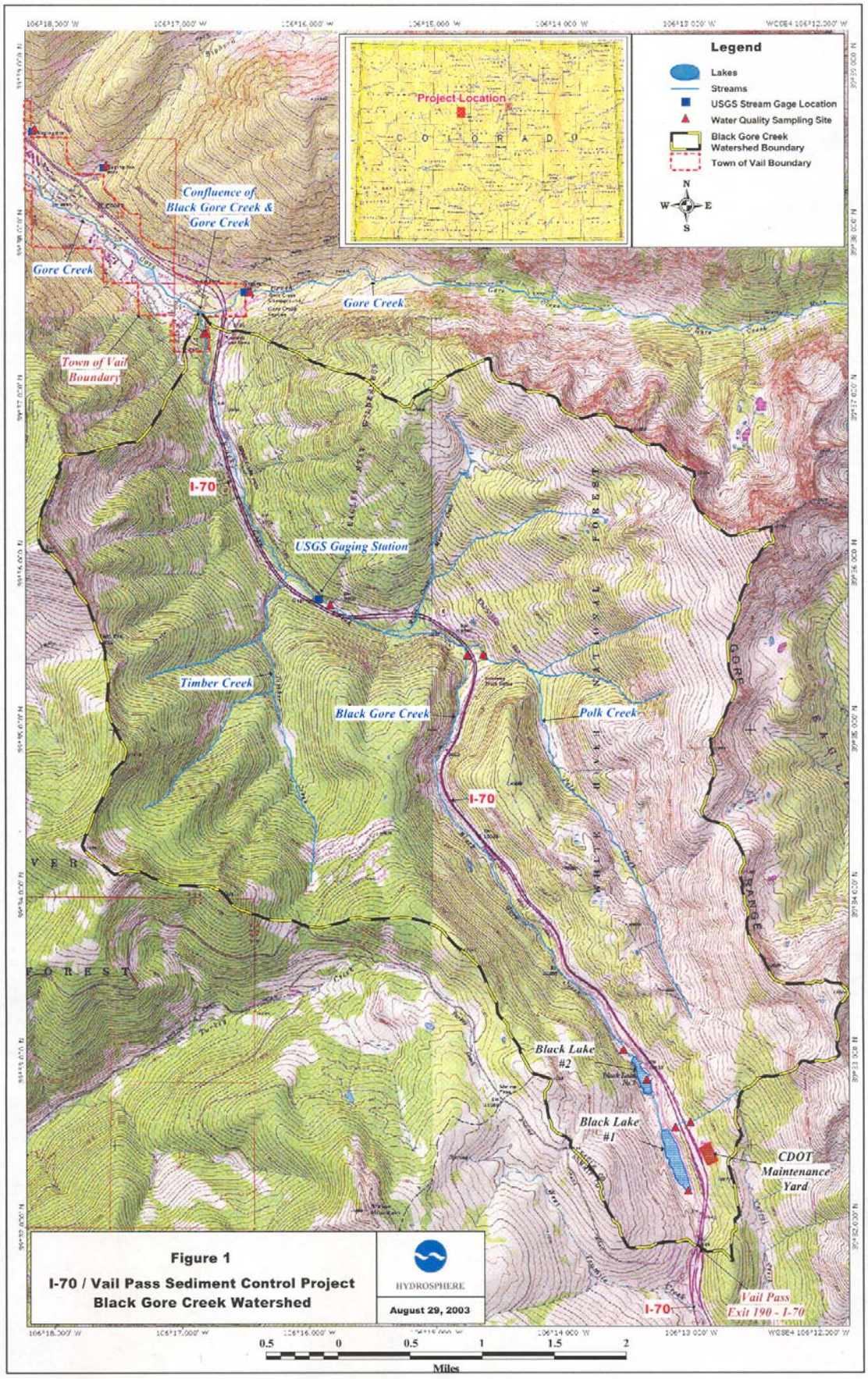
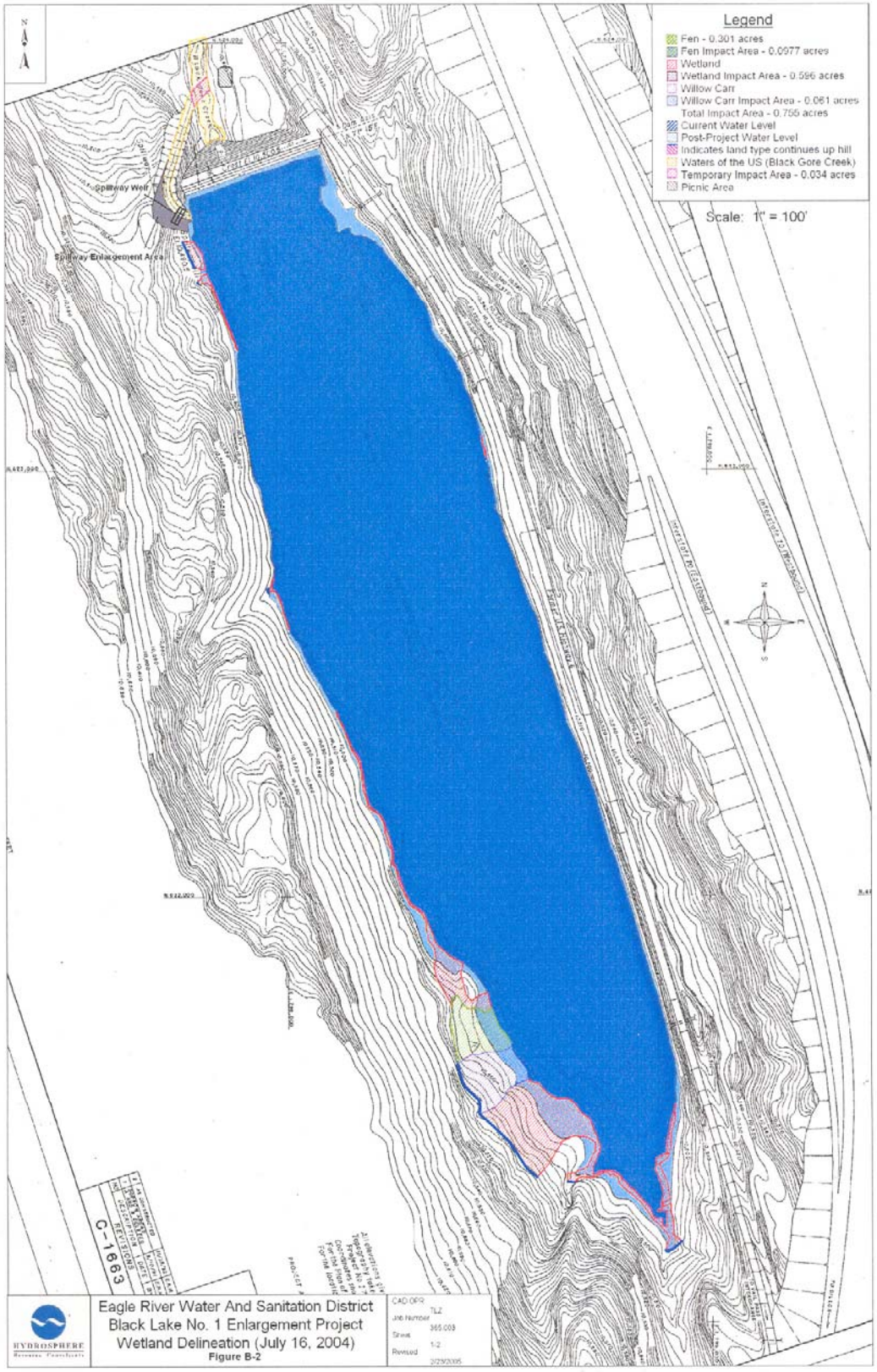


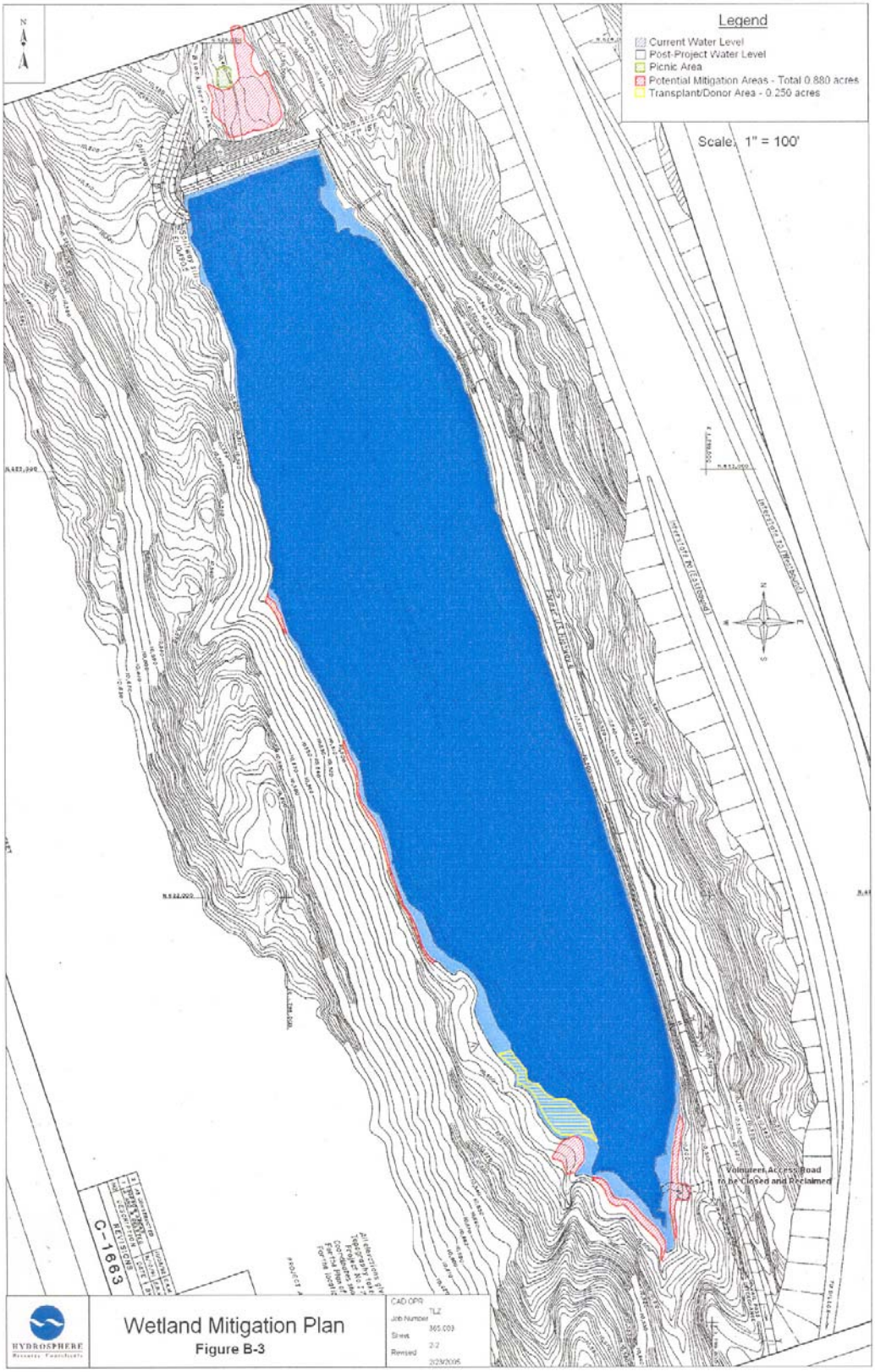
Figure 1

I-70 / Vail Pass Sediment Control Project
Black Gore Creek Watershed

HYDROSPHERE

August 29, 2003


Legend
Fen - 0.301 acres
Fen Impact Area - 0.0977 acres
Wetland
Wetland Impact Area - 0.596 acres
Willow Carr
Willow Carr Impact Area - 0.061 acres
Total Impact Area - 0.755 acres
Current Water Level
Post-Project Water Level
Indicates land type continues up hill
Waters of the US (Black Gore Creek)
Temporary Impact Area - 0.034 acres
Picnic Area
Scale: 1" = 100'
Spillway Wall
Spillway Enlargement Area
C-1663
HYDROSPHERE
Eagle River Water And Sanitation District
Black Lake No. 1 Enlargement Project
Wetland Delineation (July 16, 2004)
Figure B-2


Legend
Current Water Level
Post-Project Water Level
Picnic Area
Potential Mitigation Areas - Total 0.880 acres
Transplant/Donor Area - 0.250 acres
Scale: 1" = 100'
Volunteer Access Road to be Closed and Reclaimed
C-1663
REVISIONS
HYDROSPHERE
Wetland Mitigation Plan
Figure B-3
CAD OPR TLZ
Job Number 365.009
Sheet 2-2
Revised 2/23/2006

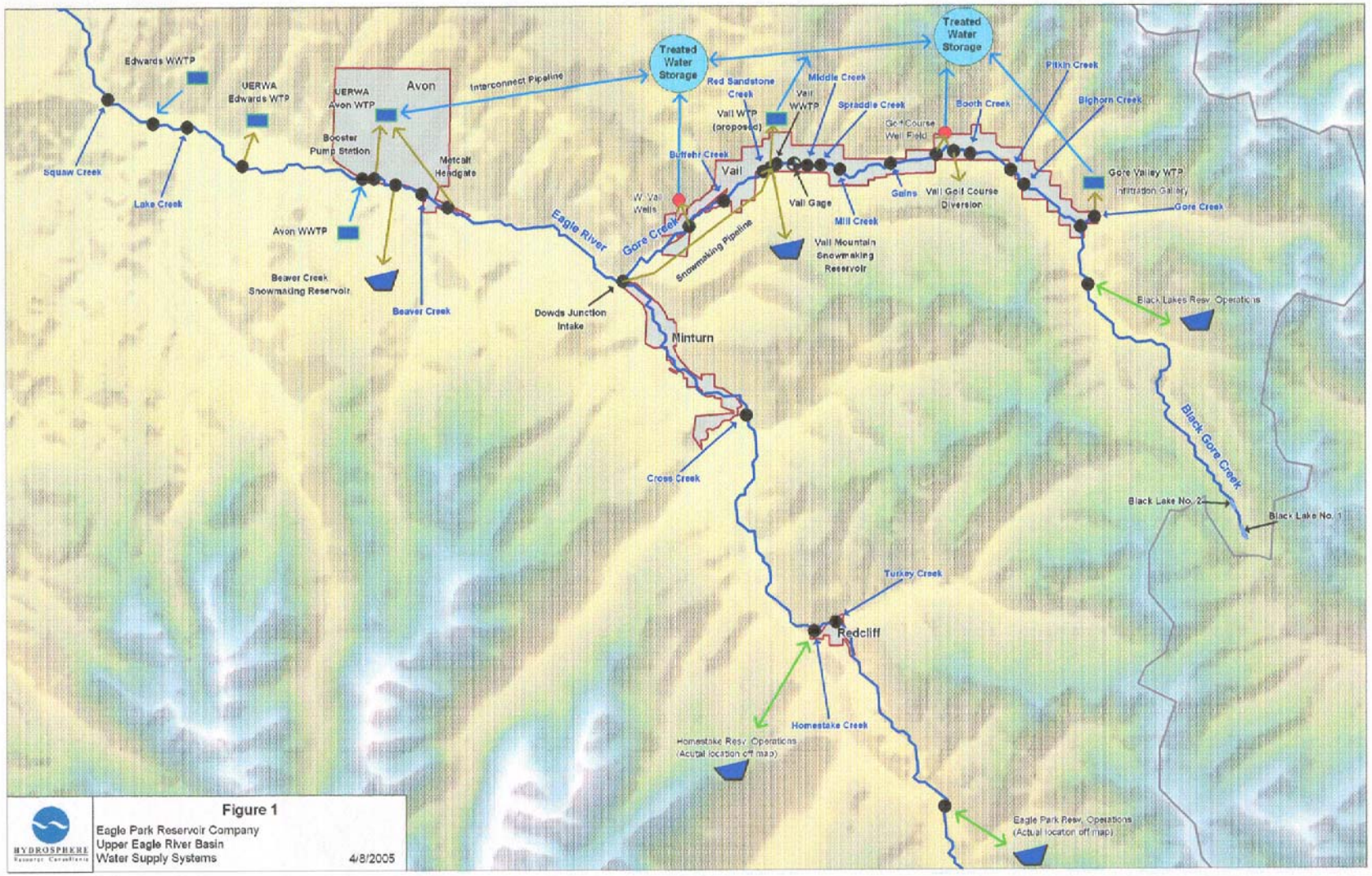


Figure 1
Eagle Park Reservoir Company
Upper Eagle River Basin
Water Supply Systems
4/8/2005