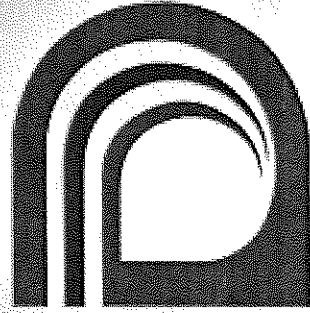




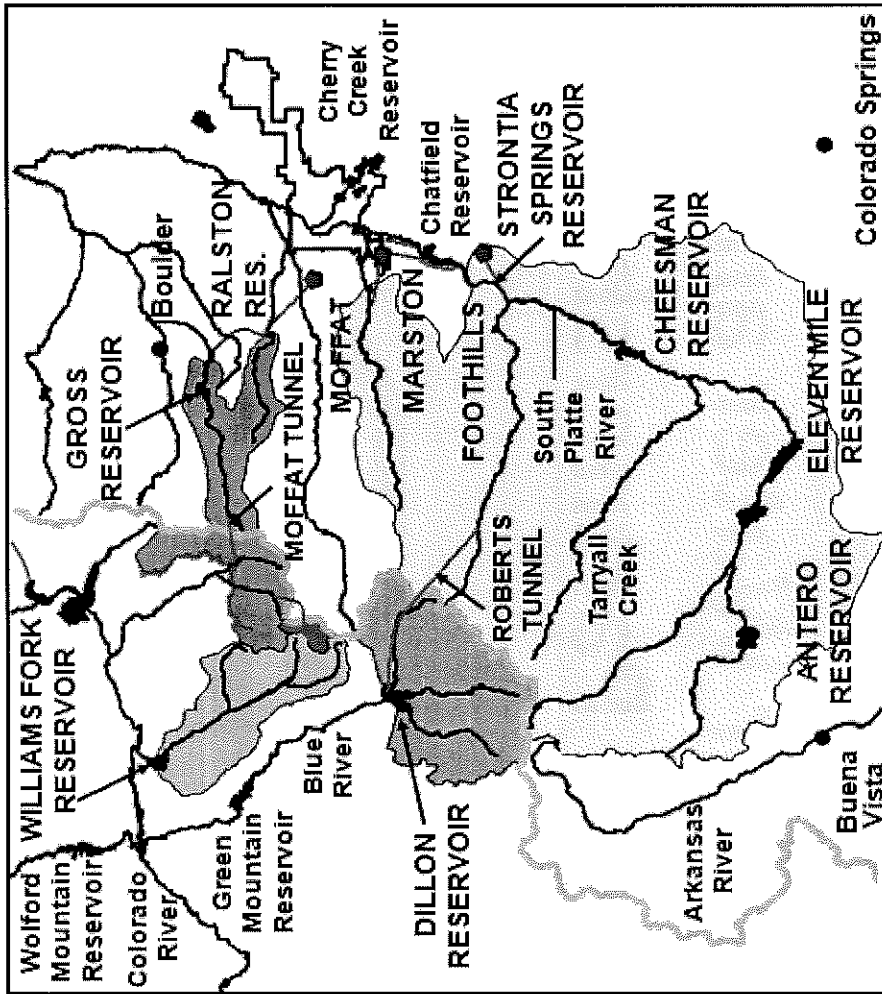
From Forests to Faucets: How Denver Water and U.S. Forest Service Partnership Began



DENVER WATER

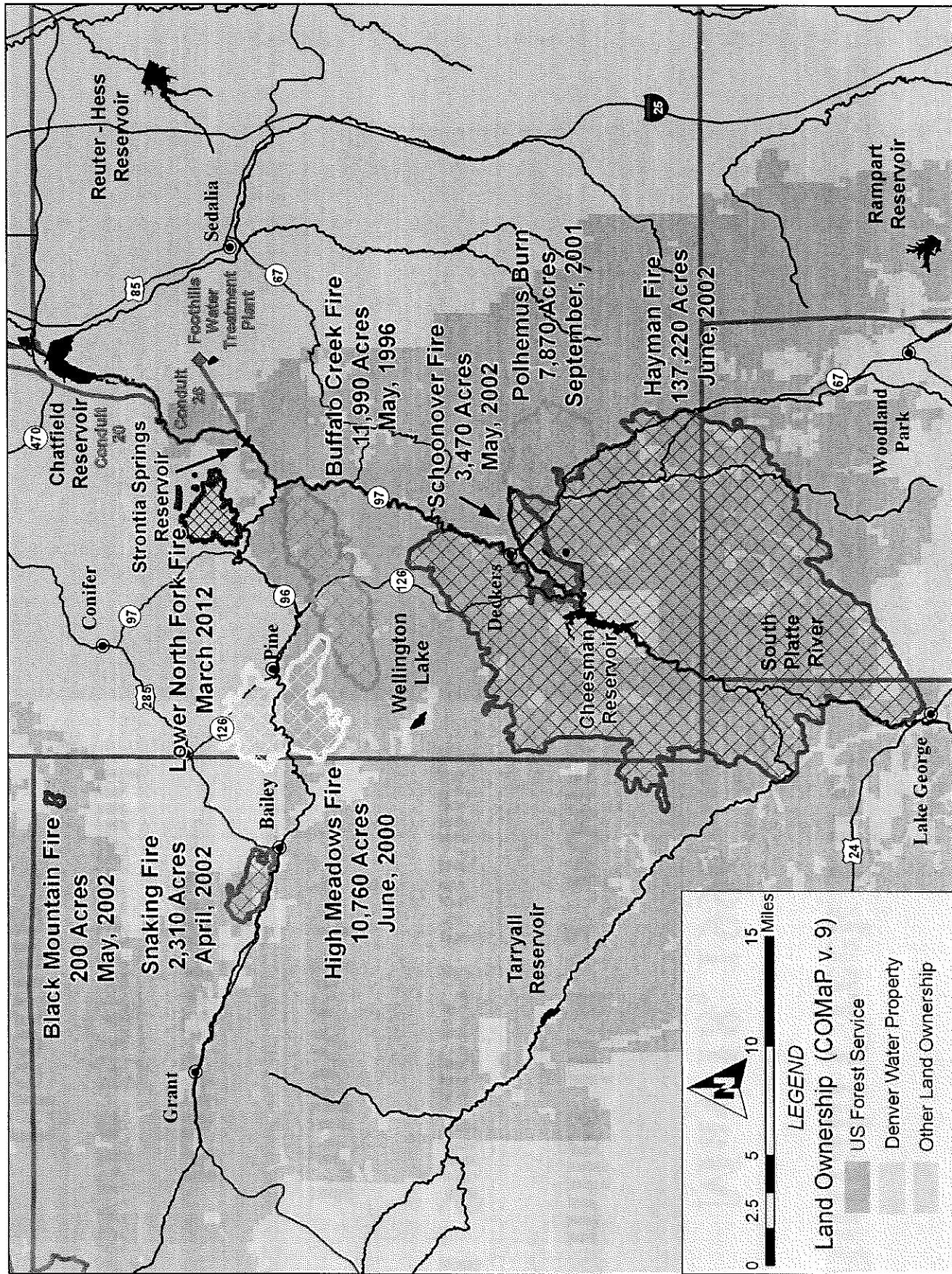
Lower North Fork Fire
Commission, August 22, 2012

Denver Board of Water Commissioners Water Collection System



COLLECTION SYSTEMS			
	SOUTH PLATTE		MOFFAT TUNNEL
	TUNNEL, CANAL OR DITCH		CONTINENTAL DIVIDE
	STREAM OR RIVER		ROBERTS TUNNEL
	WILLIAMS FORK WATERSHED		WILLIAMS FORK WATERSHED
	TREATMENT PLANT		TREATMENT PLANT

South Platte Drainage -- Major Fires and Property Ownership



Buffalo Creek Fire

May 18, 1996

11 miles in 4 ½ hours

11, 900 acres burned

Followed by:

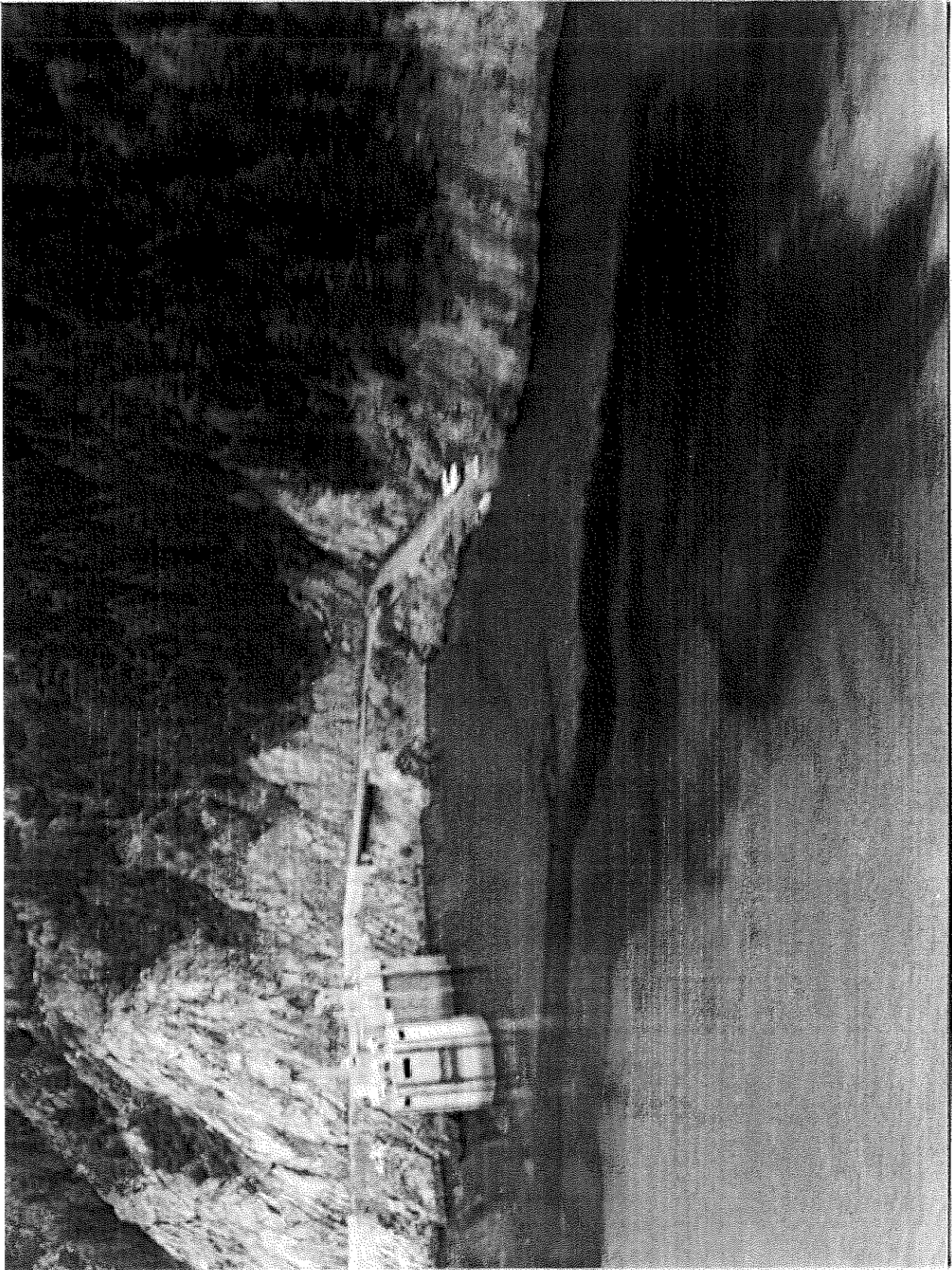
Rain events –

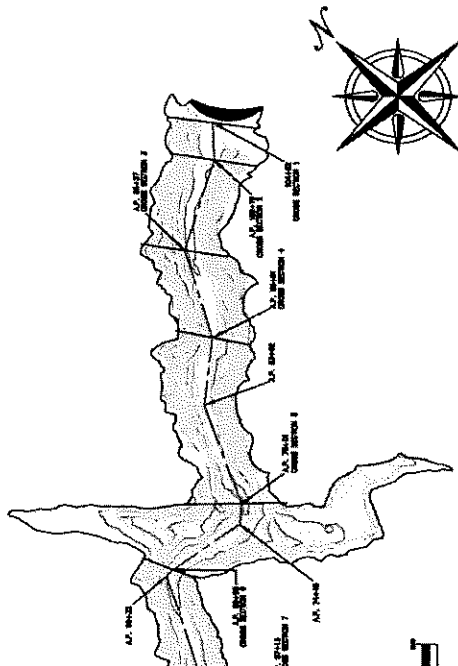
Severe Erosion and

Flooding

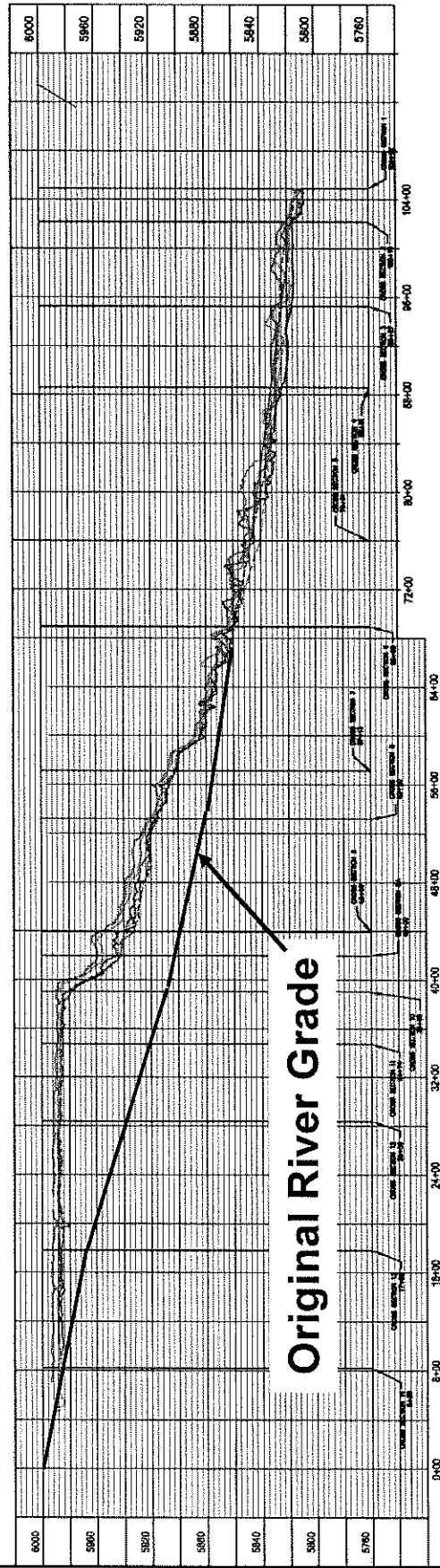








SEDIMENT ACCUMULATION TABLE	
VOLUME BY AVERAGE END AREA METHOD	
2007	Volume Section 6 to Inlet
2006	Volume Section 6 to Inlet
1 Year Sediment Accumulation	
	Total Volume Section 1 (Dam) to Inlet
	1,436,809 Cy
	1,051,418 Cy
	85,391 Cy
	1,241,938 Cy

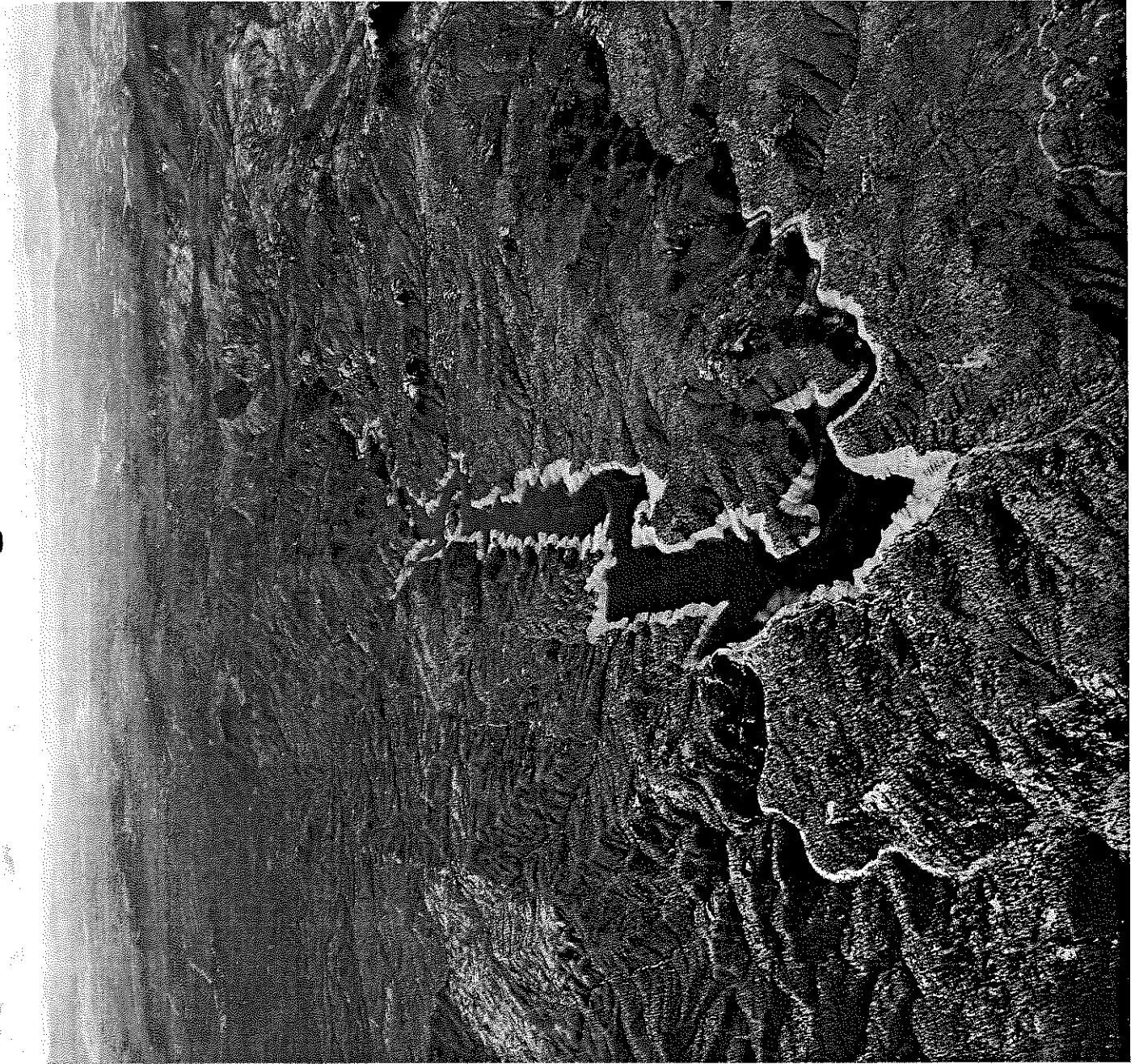


Original River Grade

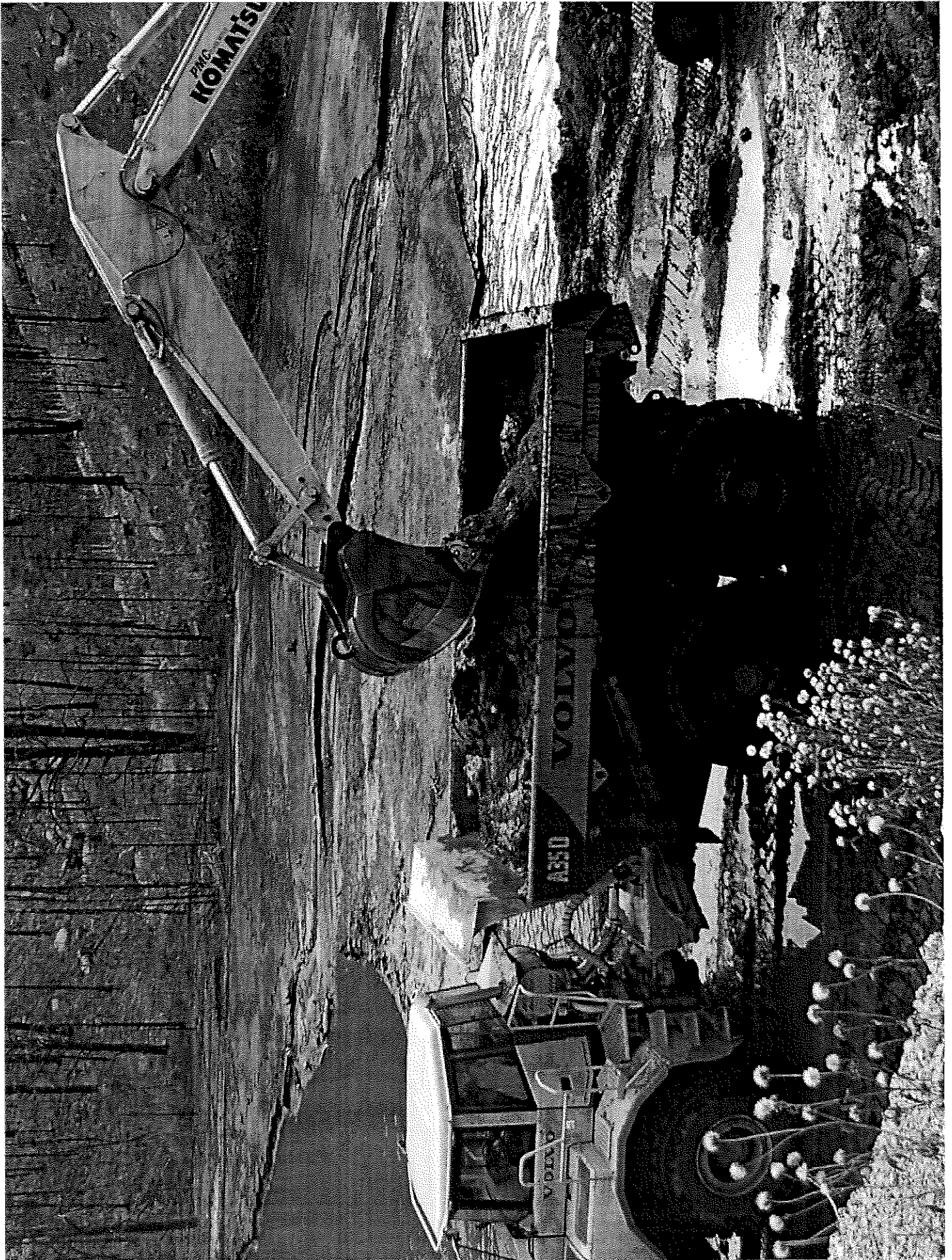
2007 Sedimentation Analysis and Log DATE: 12/14/07 DRAWN BY: [Blank] CHECKED: [Blank] APPROVED: [Blank]		STONTIA RESERVOIR SEDIMENTATION ANALYSIS CHANNEL PROFILE SCALE: 1" = 400' DATE: 12/14/07	
HORIZONTAL GRID TWO FORMS GRID		VERTICAL DATUM NAVD 83	
PID #: [Blank] DSCR: [Blank]		W/O #: [Blank] FISS: [Blank]	
NAME: [Blank] DESCRIPTION: [Blank]		BENCHMARKS: [Blank] ELEVATION: [Blank]	
NO. [Blank] DATE: [Blank] BY: [Blank]		FIELD BOOK #: [Blank] AS CONSTRUCTED DATE: [Blank] BY: [Blank]	

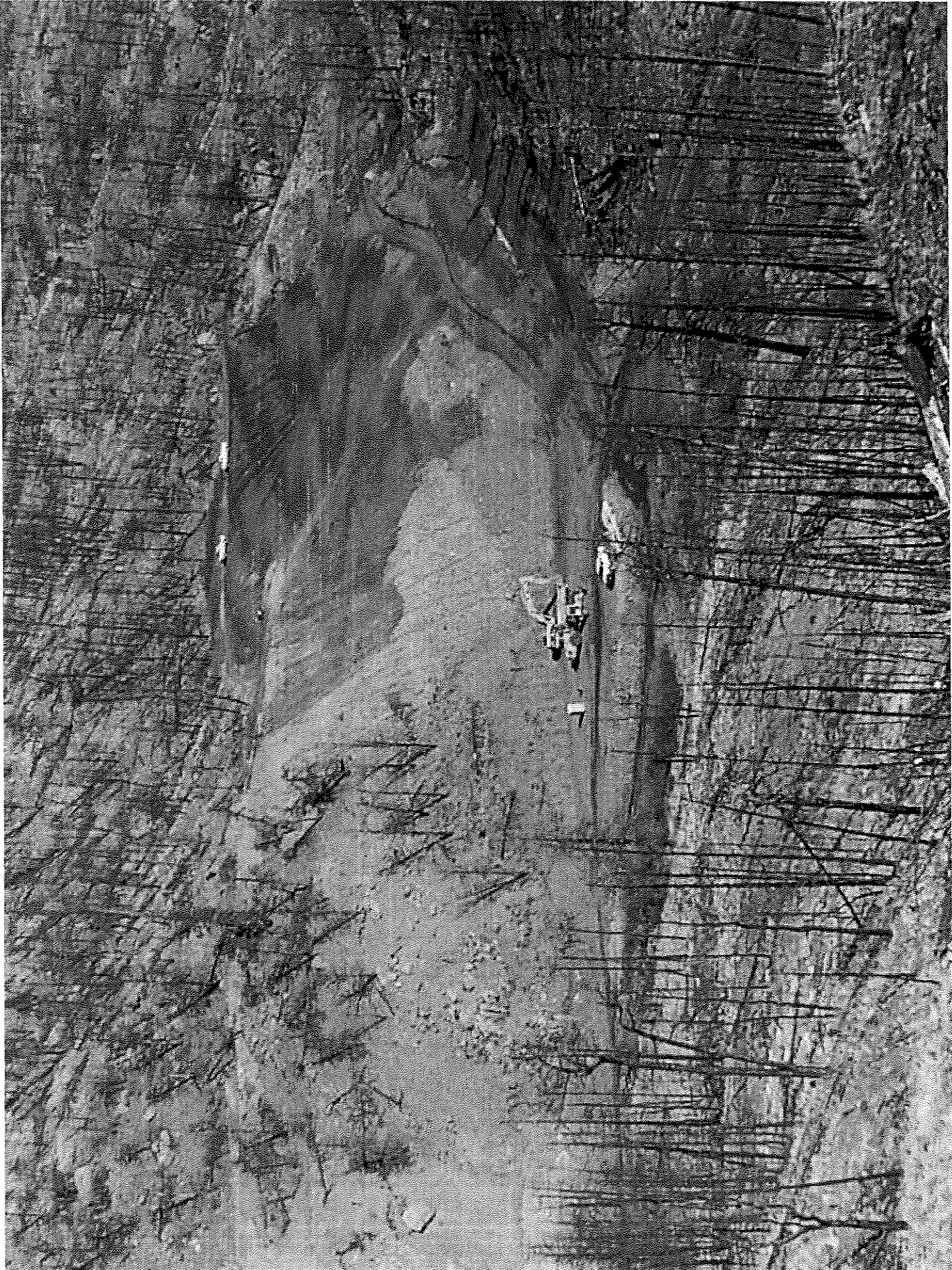
LINE TYPE INDEX

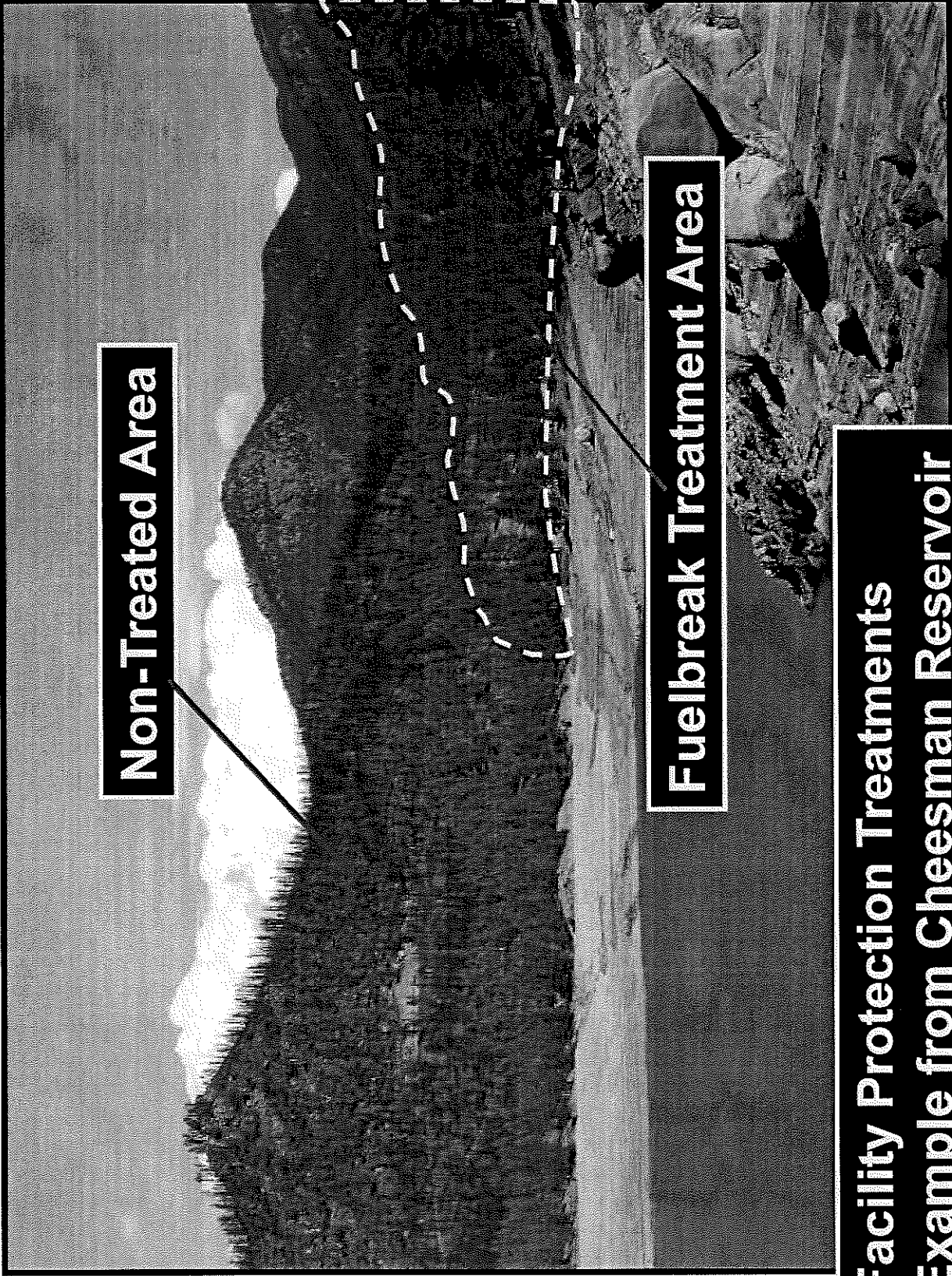
- CARBON TPO (ORIGINAL)
- 2002 DROWER WATER
- 2003 DROWER WATER
- 2004 DROWER WATER
- 2005 DROWER WATER
- 2007 DROWER WATER











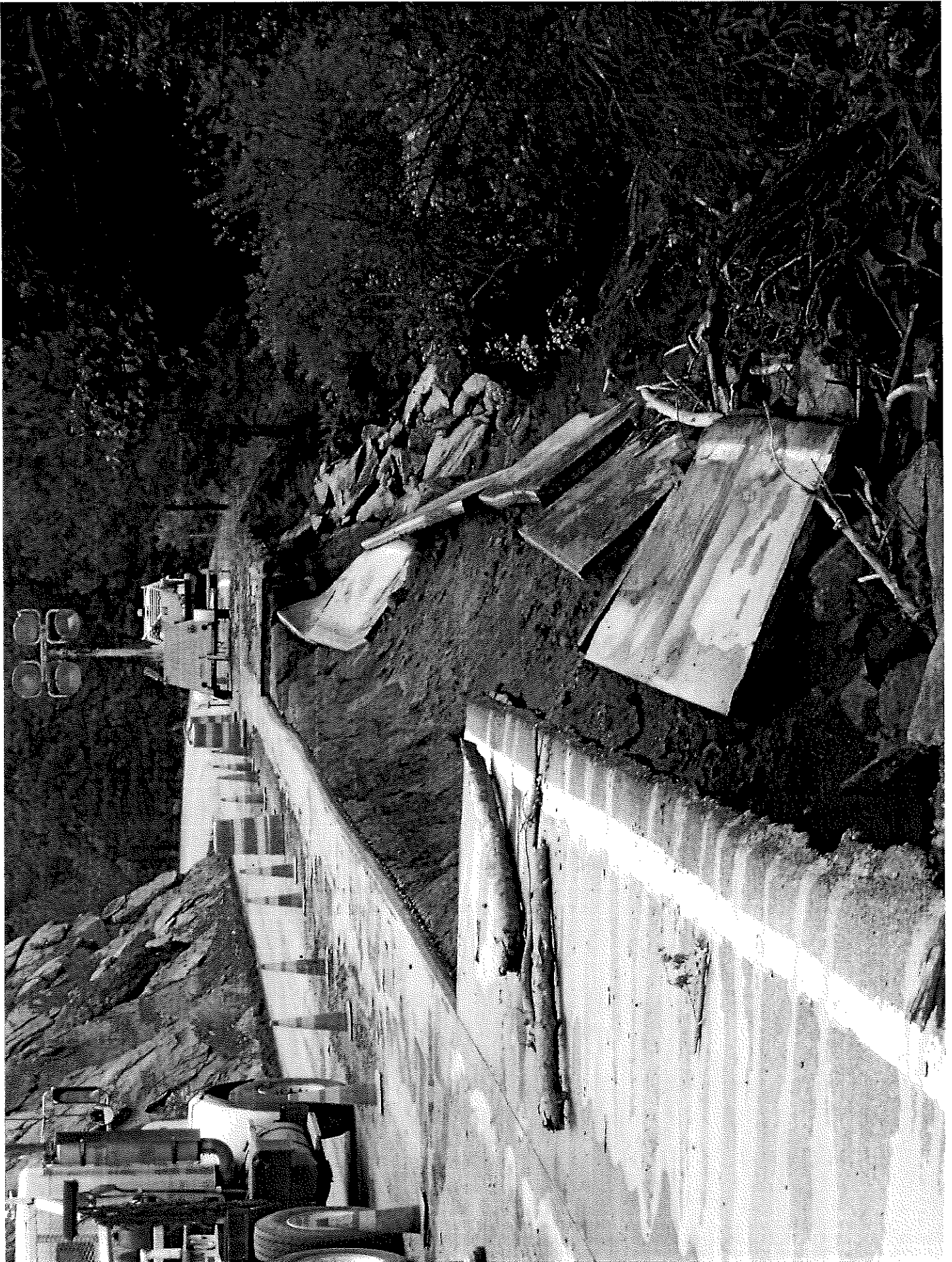
Non-Treated Area

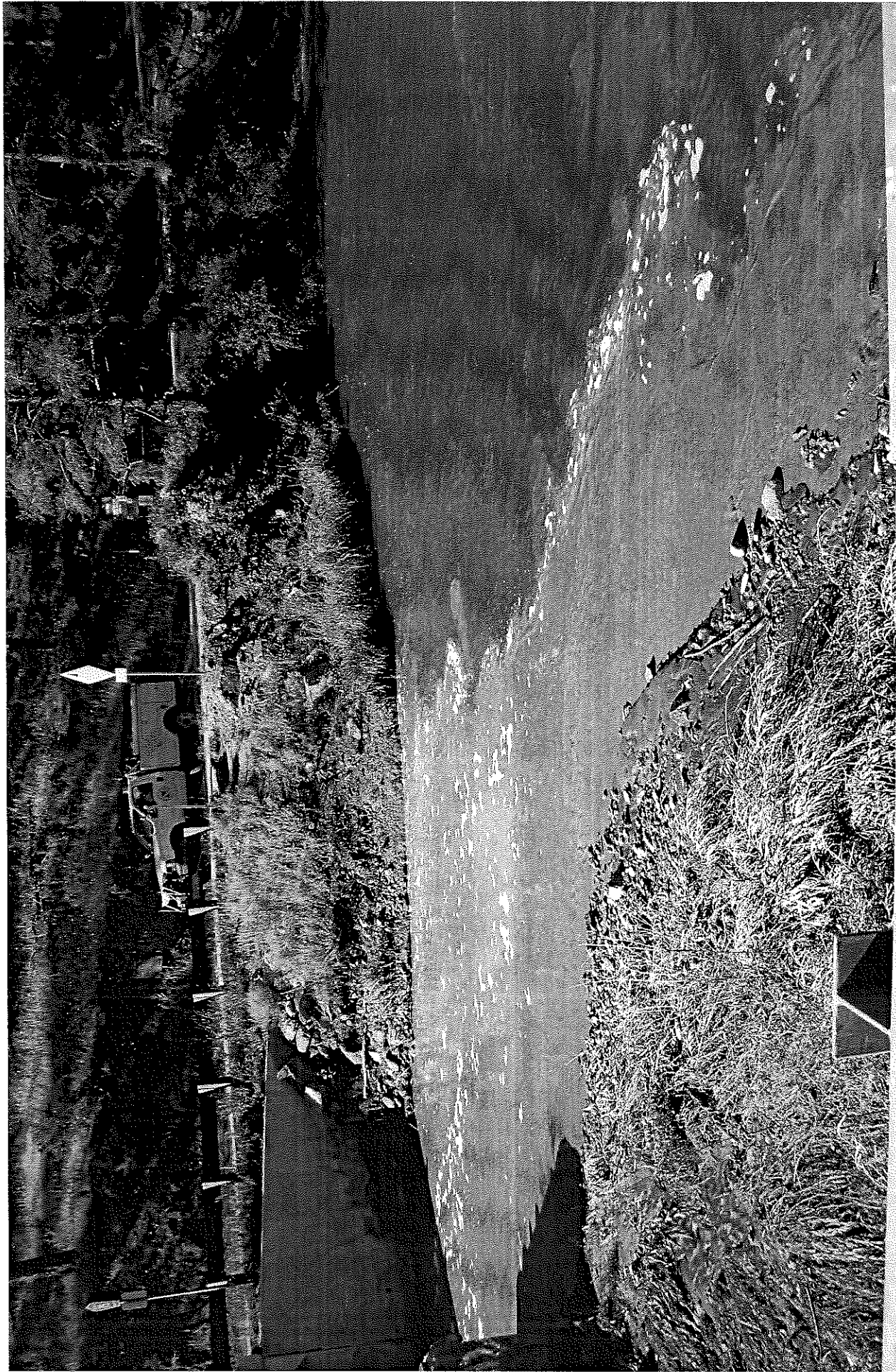
Fuelbreak Treatment Area

**Facility Protection Treatments
Example from Cheesman Reservoir**



07.22.2009 09:10





07:22:2009 09:22

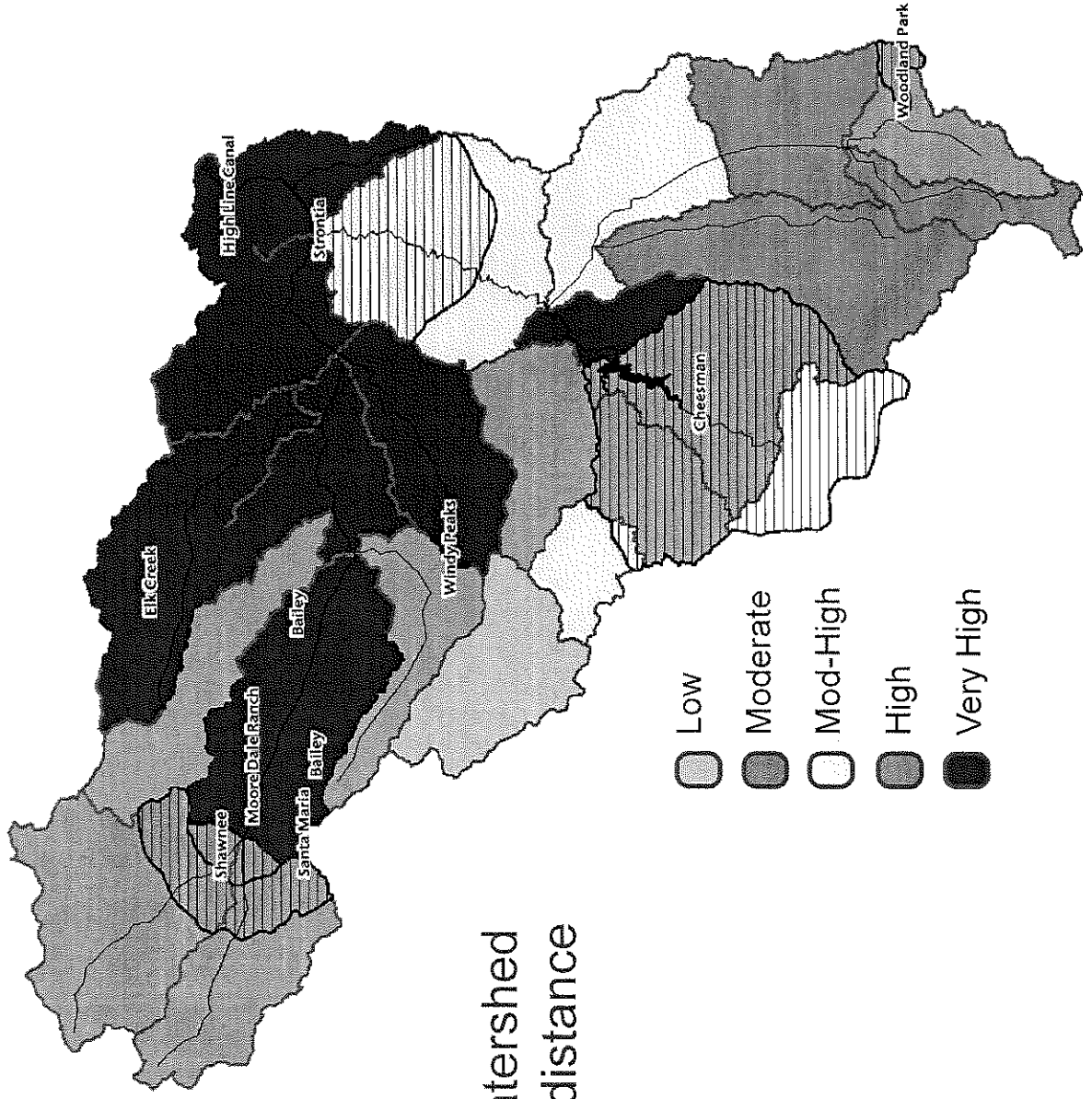
Cheesman Reservoir
1900



Cheesman Reservoir
2002

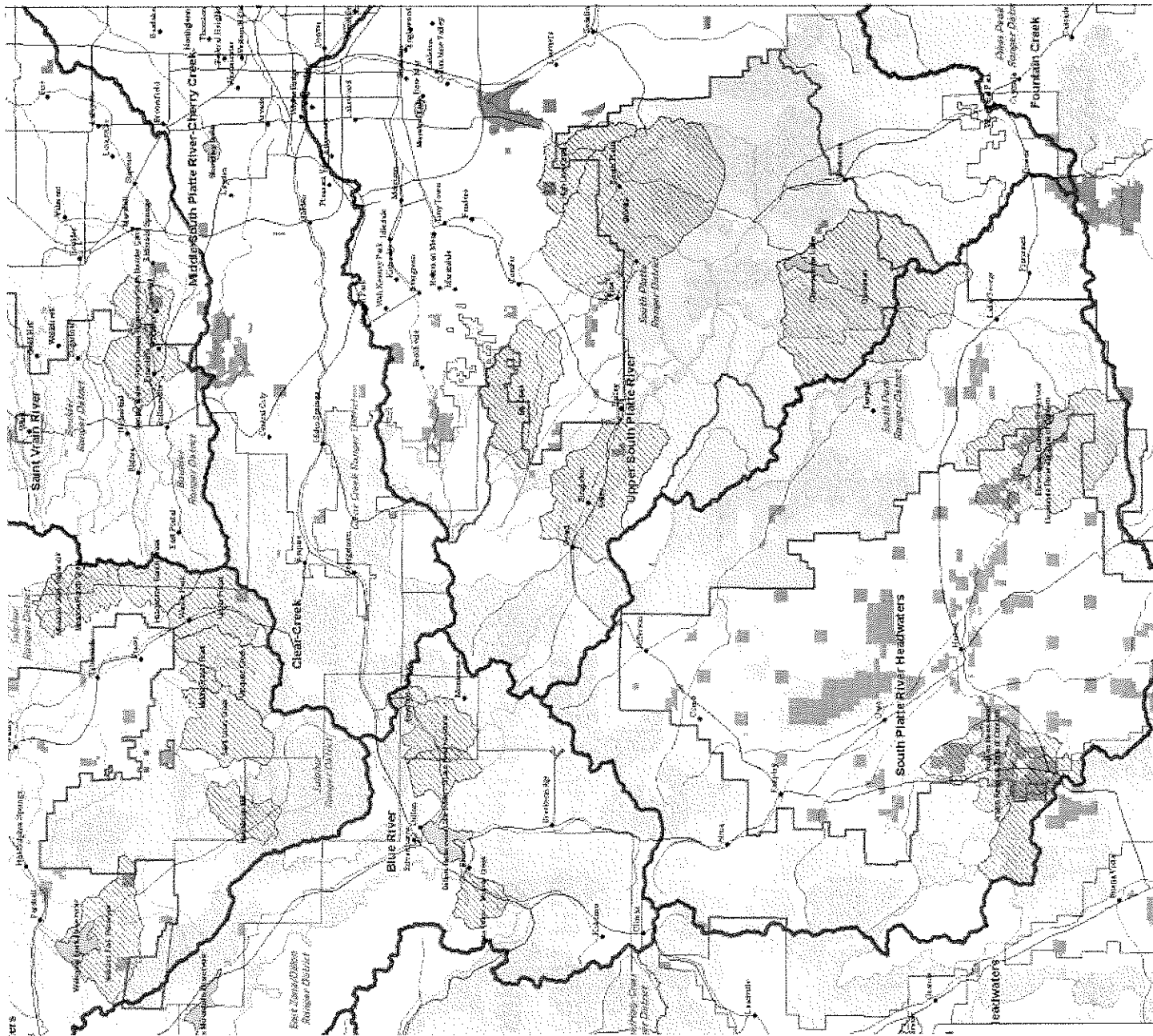


Final Priority with Zones of Concern Map



Upper South Platte Watershed
with 11 mile upstream distance







DENVER WATER

Partnership

Goal is to treat 38,000 acres over 5 years

- with both the USFS and Denver Water contributing \$16.5 million
- to proactively improve the health and resiliency of forests and watersheds
- in areas critical for providing and delivering water to the 1.3 million City and County of Denver

