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State of Nevada Lake Tahoe Environmental Improvement Program

ASSEMBLY WAYS AND MEANS

DATE: 5/20/03 ROOM: 307 EXHIBIT K

SUBMITTED BY: Ms. Pam Wilcox, Division of State Lands

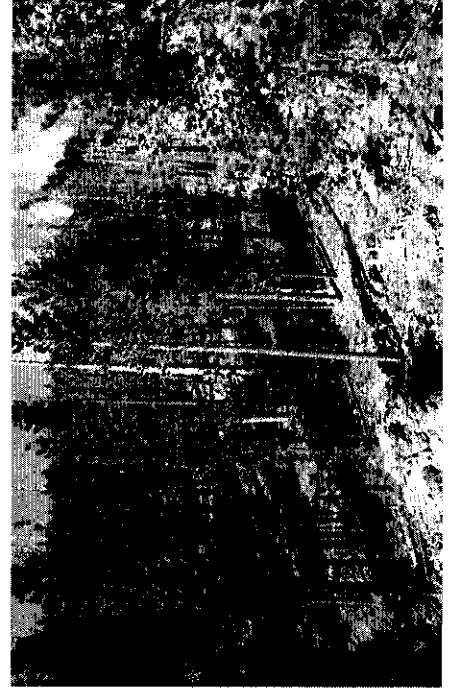
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- On average, Lake Tahoe has lost about 1 ft. of clarity per year over the last 30 years.
- There are signs that the Lake is improving. The rate of clarity loss has decreased over the last 5 years. Over the last 2 years, the Lake has become a little clearer.
- Continued action is needed to reverse degradation.

Environmental Problems

- Erosion
- Loss of Stream Zones
- Urban Runoff
- Poor Forest Health
- Loss of Wildlife
Habitat



Summary of Ten Year ELP Project Capital Needs (in millions, 1997 dollars)

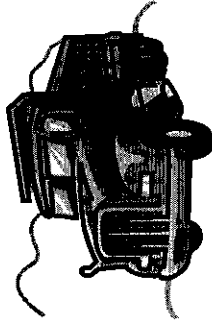


Total \$908 Million

State of Nevada – EIP Funding Map

		1996 Tahoe Bond Act*	Fund to Protect Lake Tahoe	Lake Tahoe License Plate Program	Other Sources*	Total
Actual	FY 97	\$10,000,000	\$0	\$0	\$2,800,000	\$12,800,000
Actual	FY 98	\$0	\$0	\$0	\$2,800,000	\$2,800,000
Actual	FY 99	\$0	\$0	\$0	\$0	\$0
Actual	FY 00	\$5,000,000	\$3,200,000	\$194,000	\$0	\$8,394,000
Actual	FY 01	\$0	\$0	\$63,000	\$0	\$63,000
Actual	FY 02	\$5,000,000	\$6,200,000	\$0	\$0	\$11,200,000
Estimated	FY 03	\$0	\$0	\$150,000	\$0	\$5,150,000
Estimated	FY 04	\$0	\$9,370,000	\$150,000	\$0	\$7,520,000
Estimated	FY 05	\$0	\$10,500,000	\$150,000	\$0	\$7,650,000
Estimated	FY 06	\$0	\$9,000,000	\$150,000	\$0	\$9,150,000
Estimated	FY 07	\$0	\$8,755,000	\$150,000	\$0	\$8,905,000
Estimated	FY 08	\$0	\$8,368,000	\$0	\$0	\$8,368,000
	Total	\$20,000,000	\$55,393,000	\$1,007,000	\$5,600,000	\$82,000,000

*Sources included State Highway Funds, 1986 TBA and General Fund.



SUMMARY BY AGENCY AND THRESHOLD					
Threshold	NDSL	NDOT	NSP/NDF	NDOW	TOTAL
Water Quality	\$26,170,000	\$26,510,000	\$535,000	\$0	\$53,215,000
SEZ/Soils	\$11,000,000	\$0	\$0	\$0	\$11,000,000
Vegetation	\$250,000	\$0	\$5,500,000	\$0	\$5,750,000
Fisheries	\$2,543,000	\$37,500	\$0	\$145,000	\$2,725,500
Recreation	\$0	\$840,000	\$7,630,000	\$0	\$8,470,000
Wildlife	\$0	\$0	\$0	\$549,500	\$549,500
Air Quality	\$0	\$245,000	\$0	\$0	\$245,000
Scenic Quality	\$0	\$45,000	\$0	\$0	\$45,000
Total	\$39,963,000	\$27,677,500	\$13,665,000	\$694,500	\$82,000,000

K-6 of 20

State Collaboration

Nevada Tahoe Resource Team

Division of State Lands – Program Coordinator
Water Quality Specialist
Forester
Seasonal Forester
Land Agent
Administrative Assistant
Division of Forestry - Forester
Division of State Parks - Recreation Specialist
Division of Wildlife - Wildlife Biologist

Other State Agencies

Department of Transportation
Division of Environmental Protection
Division of Conservation Districts
State Historic Preservation Office
Natural Heritage Program
Nevada Energy Office



Regional Coordination

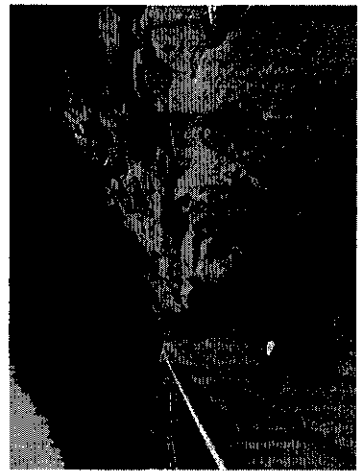
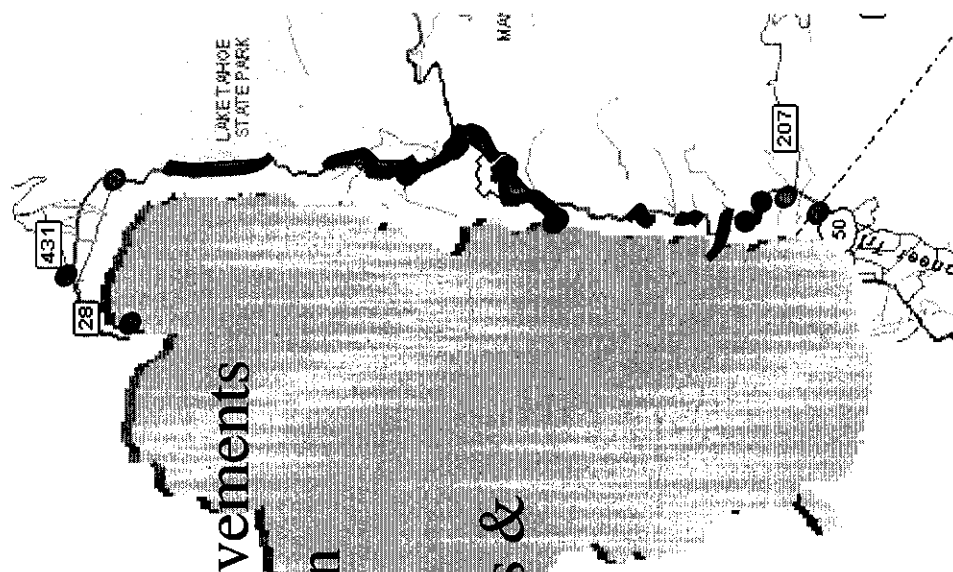


Nevada-Tahoe Conservation District
Douglas County
Washoe County
Carson City
General Improvement Districts
Tahoe Regional Planning Agency
California Tahoe Conservancy
California State Parks
California Department of Transportation
Lahontan Regional Water Quality Board
US Forest Service
US Army Corps of Engineers
Environmental Protection Agency
University of Nevada, Reno
Desert Research Institute
UC Davis

And many, many, more...

NDOT - Completed EIP Projects

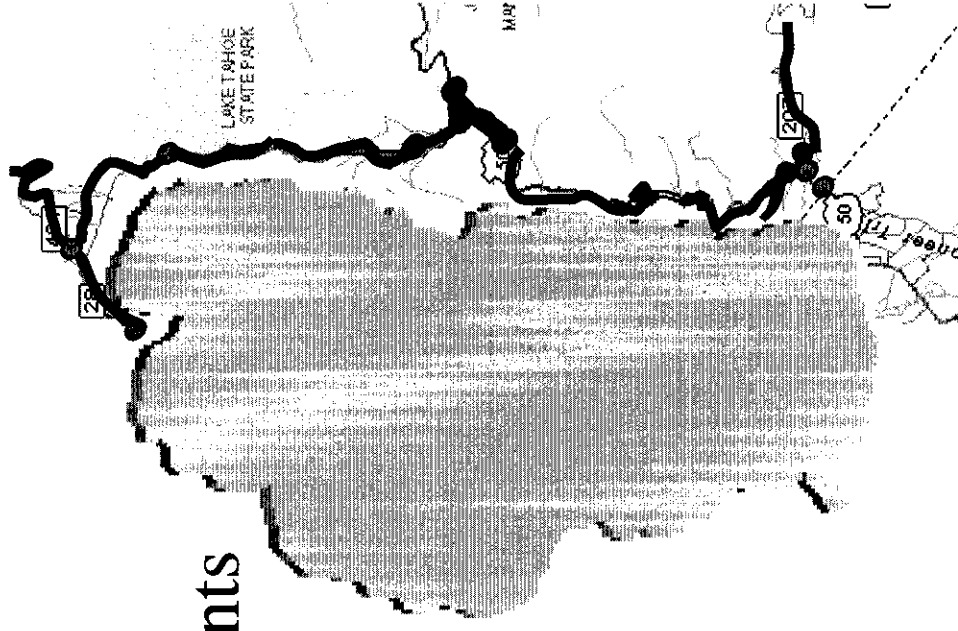
- 11 Projects
- \$23.5 million
- 12 miles of roadway improvements
 - 50 acres of re-vegetation
 - 240 drop inlets
 - 82,000 ft of dikes, curbs & gutters
 - 21,000 ft of pipes
 - 15 pretreatment vaults
 - 25 infiltration basins



NDOT - Future EIP Projects

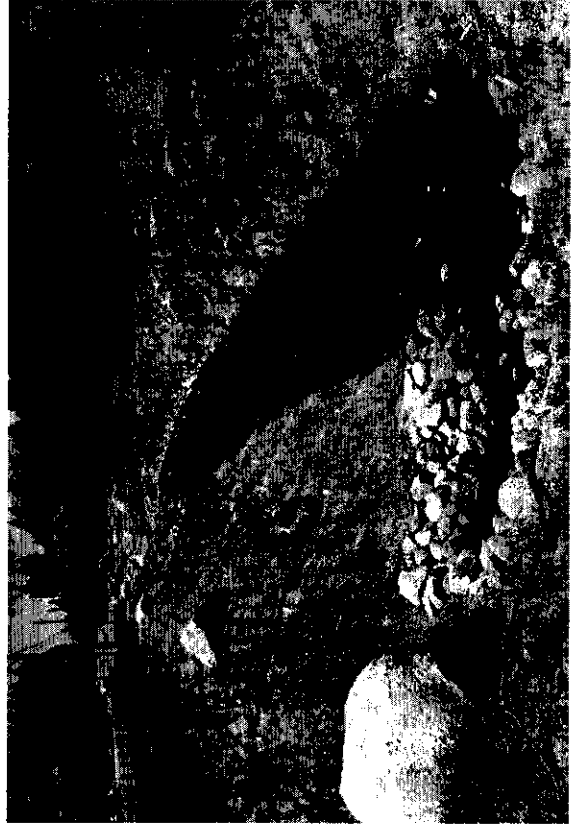
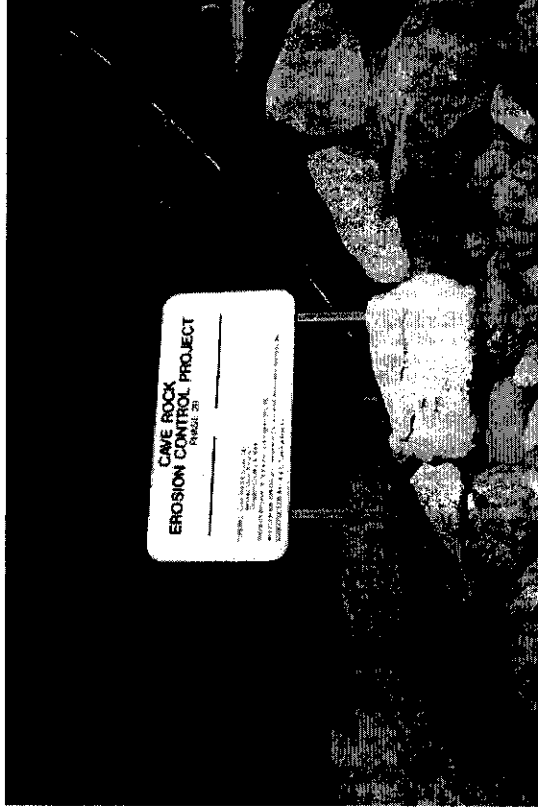
- 18 Projects
- \$78.6 million
- 29 miles of roadway improvements

- SR 28 Mt. Rose to Crystal Bay 2008-2009
- Mt. Rose 2008-2009
- SR 28 Incline 2004-2005
- SR 28 South of Sand Harbor 2010-2011
- US 50 North of Cave Rock 2006-2008
- US 50 South of Cave Rock 2003-2006
- Kingsbury Grade 2006-2007



Water Quality

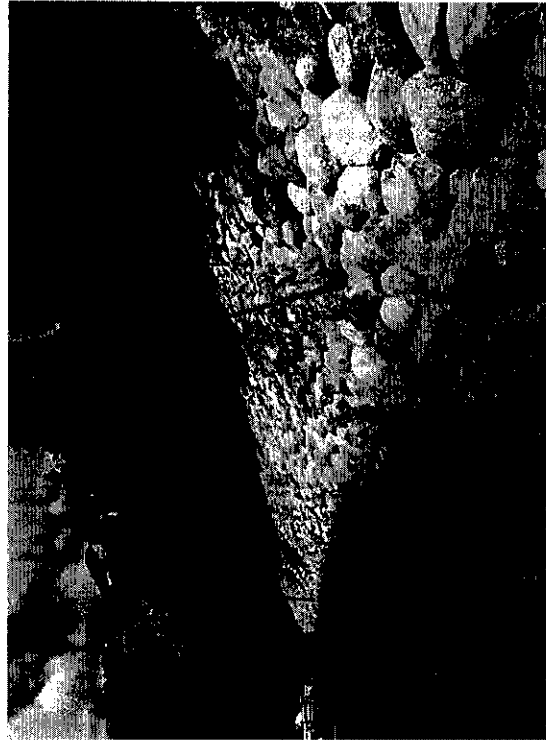
- 28 EIP Projects (excluding NDOT)
- 11 Projects Completed
- 12 Projects In Progress
- 5 Projects Scheduled For Future



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- Erosion Control Projects focus on source control, revegetation, infiltration, conveyance & pretreatment

- Sediment Reduction Calculations Estimate over 11 Million Lbs. of soil eliminated from entering the Lake on an annual basis



Stream Restoration

- Primary focus on Third/Incline/Rosewood Creek area and Edgewood Creek Area.
- These creeks are identified as the major contributors of sediment and nutrients on Nevada side of basin.
- Portion of Incline Creek restored.
- Rosewood Creek restoration scheduled for 2003.
- Edgewood Creek assessment scheduled for completion in 2003.
- Partnership with Washoe County and Army Corps for future restoration work on Third and Incline Creeks.



Forest Restoration

- EIP Identifies 5 phase restoration project on State Park property.
- Identified 4800 acres in need of restoration work.
- Completed Cultural and Historic Resource Inventory.
- Completed Road Improvements.
- Completed Stand Mapping.
- Completed App. 300 Acres of Treatment, Thinning in progress in North Canyon and Spooner area, fuel break in progress along SR 28.



“Gondola Fire” Burn Area

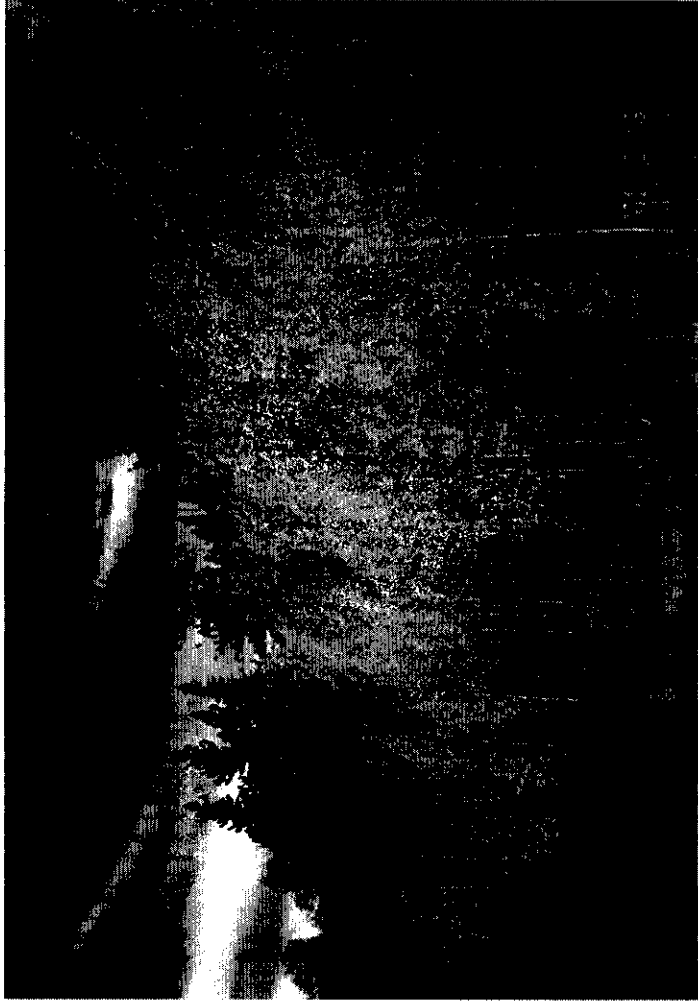


K-15 of 20

Wildlife

- Two wildlife habitat projects are started with focus on aspen stands. 32 acres of aspen stands have been improved along with 3,200 feet of stream zones.
- Two old growth restoration projects are underway.
- Intensive wildlife surveys are on-going.

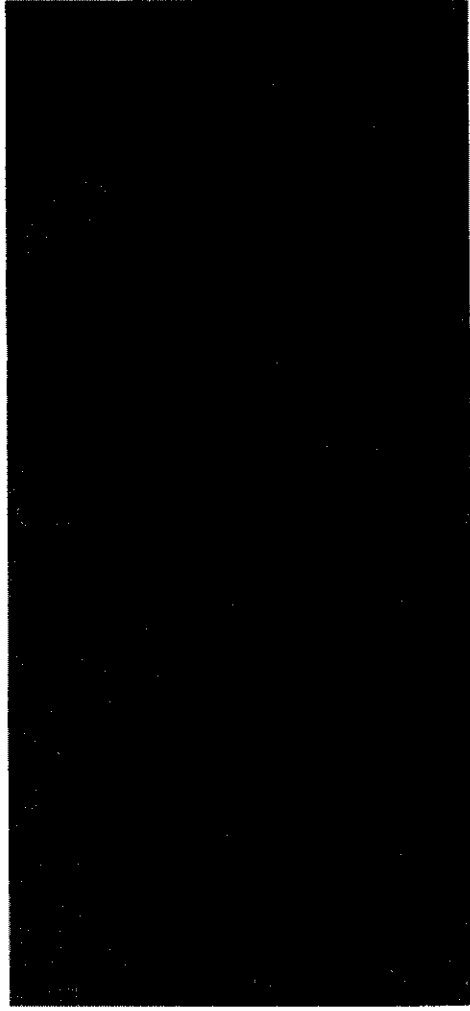
K-16 of 20



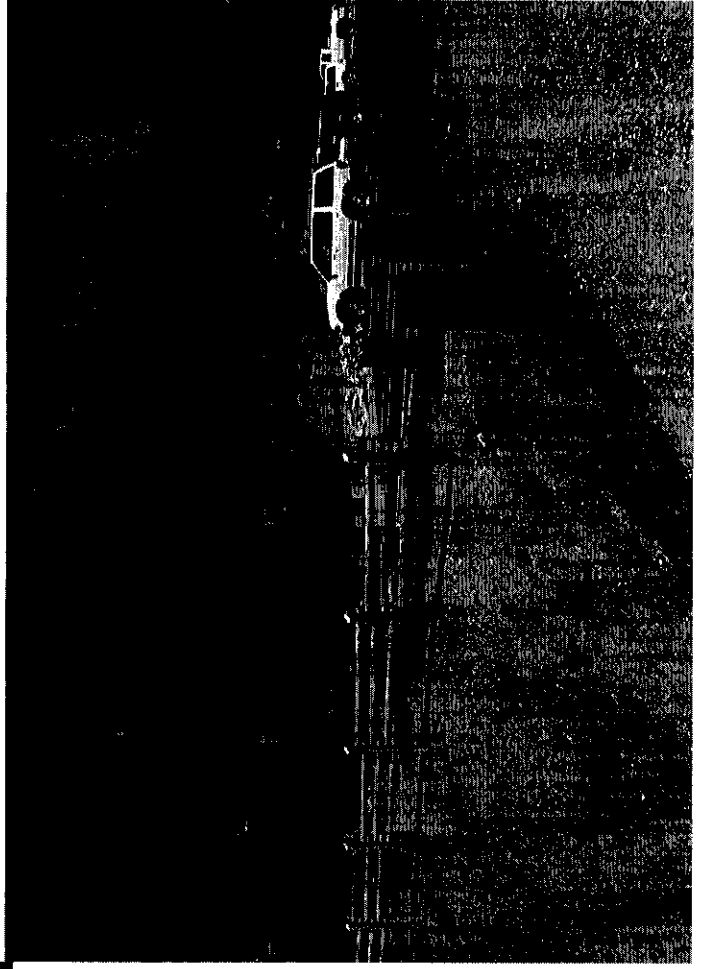
Recreation

- Ten recreation projects listed in EIP.
- Three projects completed (Spooner Lake Improvements, Memorial Point Overlook, Spooner Summit Trailhead)
- Three projects in progress (Sand Harbor Visitor Center, North Canyon Trail, Van Sickle Park)

K-17 of 20



Spooner Summit Trailhead



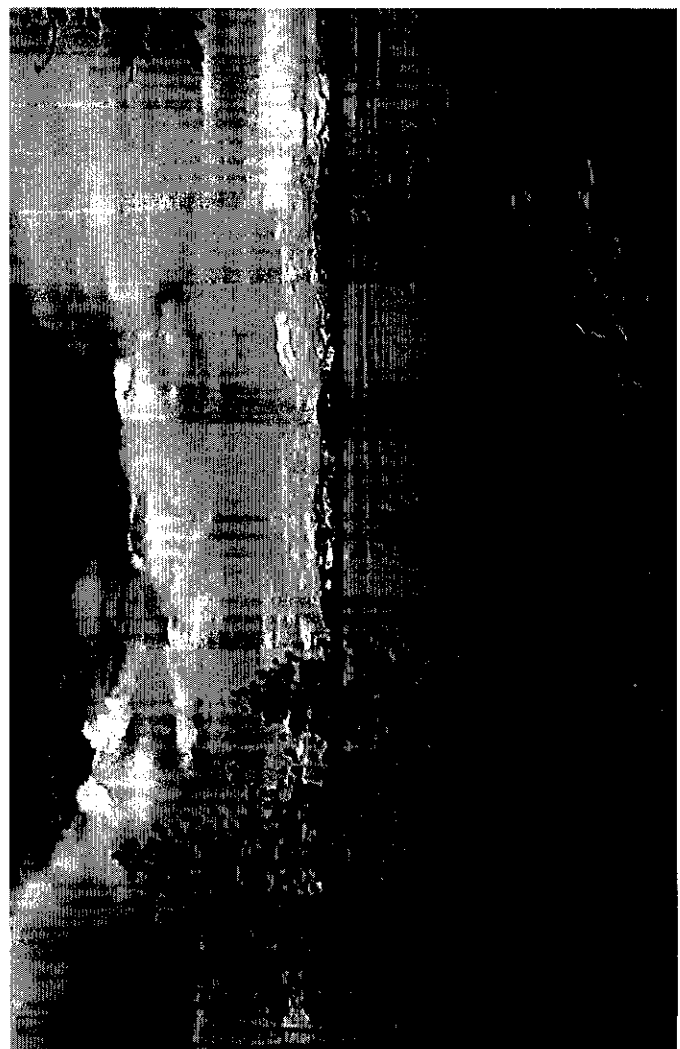
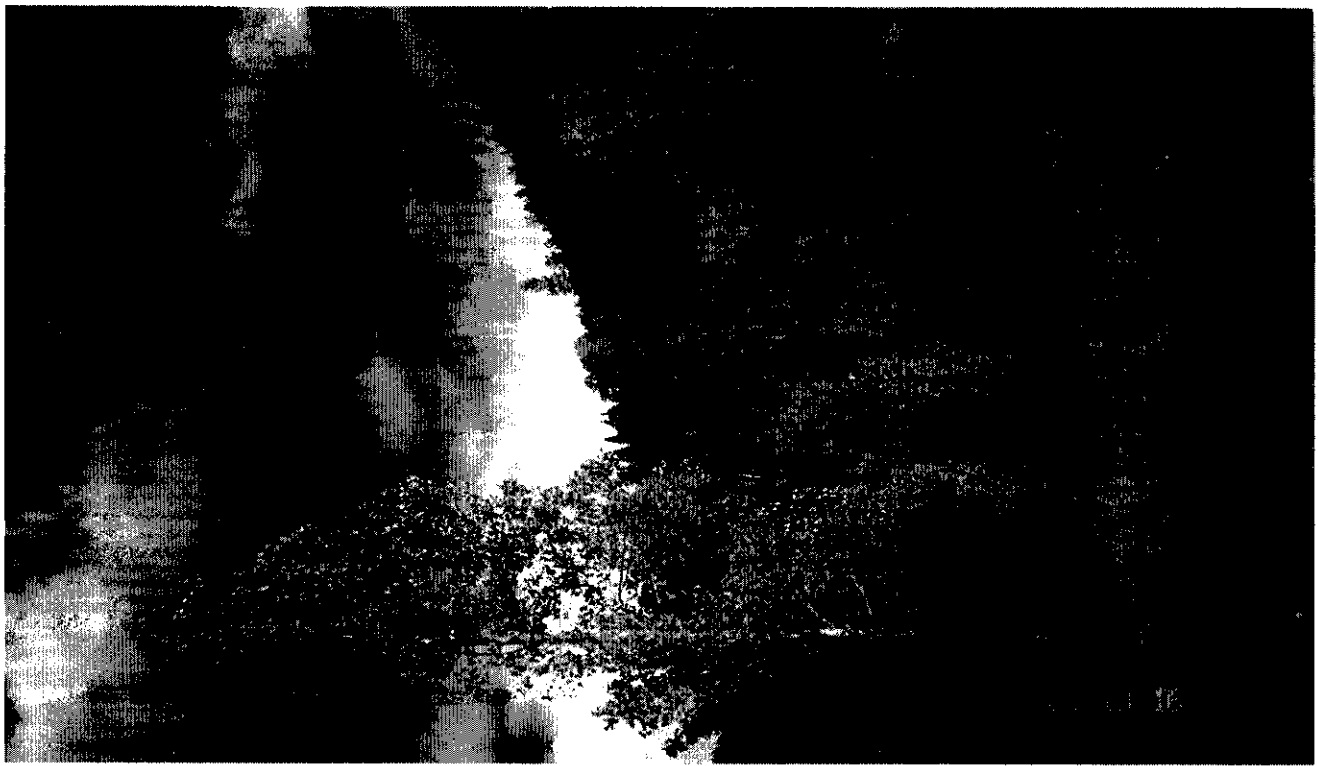
- Funded through Lake Tahoe License Plate Funds and Highway Funds.
- Joint project between State Parks, NDOT and NTRT.

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SB 46 – 2004/05 EIP BOND REQUEST

- TOTAL REQUEST - \$9,870,000
- \$7,300,000 – Grants and agreements : Water quality, erosion control, and stream restoration.
- \$1,000,000 – Shorezone/Stream Restoration Projects
- \$400,000 – Sand Harbor Visitor Center
- \$700,000 – Forest Restoration Phase III
- \$470,000 - Project Contingencies

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