



Presidential Forum Deliverables

**Tahoe Federal Interagency Partnership
Lake Tahoe Basin California/Nevada**

October 1997



INTRODUCTION

Background

Prior to the Presidential Forum at Lake Tahoe in July 1997, President Clinton directed federal agencies to convene public workshops to address three primary issues and actions to be taken by the federal government to protect the extraordinary natural, recreational, and ecological resources in the Lake Tahoe Region. The three issues were: 1) Lake Tahoe Water Quality - addressing the diminishing water clarity of Lake Tahoe; 2) Forest Ecosystem Restoration, Recreation and Tourism - addressing the restoration and protection of the Lake Tahoe ecosystem and the continued viability of the region as a recreation and tourism-based economy; and 3) Transportation - addressing the role of transportation in supporting the Lake Tahoe Basin's most important industries- tourism, gaming, and recreation- while reducing its effects on the environment.

From these three workshops the Administration produced two primary objectives: 1) the Administration should reaffirm its role in helping to manage this national treasure by improving coordination among federal agencies and with California, Nevada, the Washoe Tribe, the Tahoe Regional Planning Agency, other local units of government; this cooperation should be guided by the people in the region; and 2) the Administration should take meaningful new actions on water quality, transportation, forest management, and recreation and tourism to protect Lake Tahoe's environment, and with it the area's economy and quality of life.

Presidential Forum Deliverables

To accomplish these objectives, President Clinton signed an Executive Order on July 26, 1997 which ordered specific federal actions to be implemented in the Lake Tahoe region. These federal actions (Deliverables) will be implemented by Federal, State, Tribal, and Local governments.

This document serves to consolidate all of President Clinton's Deliverables through fiscal year 1998. The administration is committed to working collaboratively with state and local partners to expand our joint commitment to the Environmental Improvement Program (EIP) in succeeding years.

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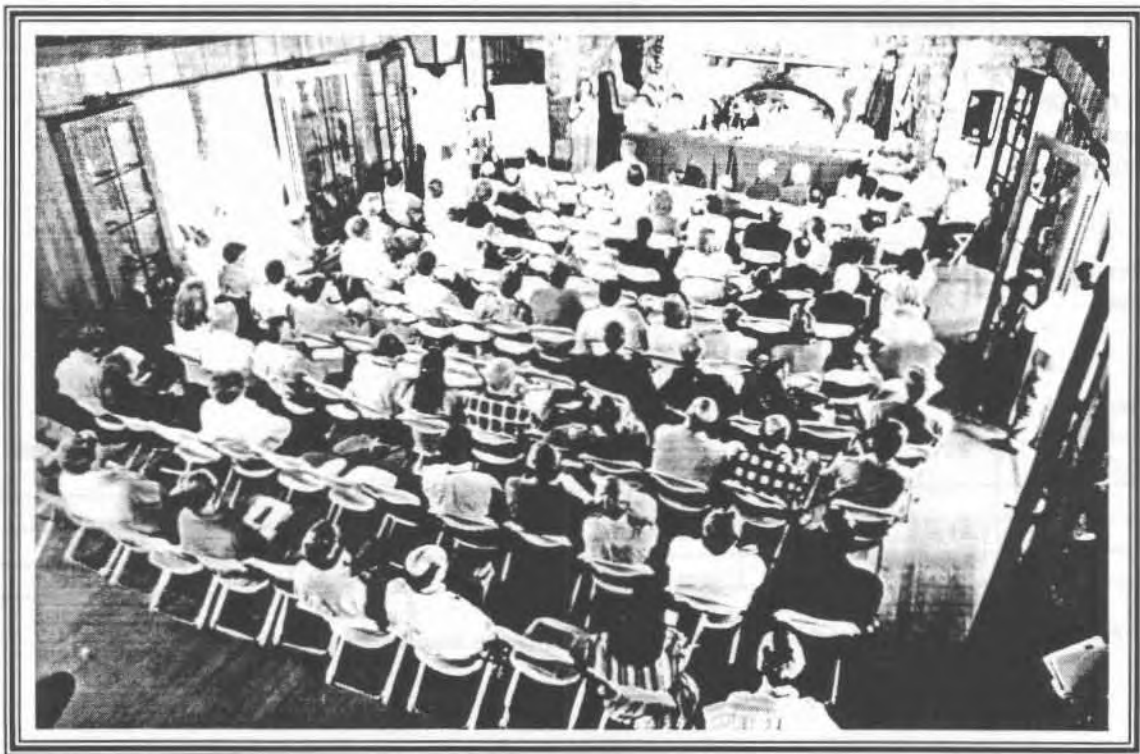
LIST OF ACRONYMS USED IN THIS REPORT

<u>ACRONYM</u>	<u>DEFINITION</u>
BLM	Bureau of Land Management
BMP	Best Management Practices
CalEPA	California Environmental Protection Agency
CCC	California Conservation Corps
CDF	California Division of Forestry
CEQA	California Environmental Quality Act
Corps	Army Corps of Engineers
CTC	California Tahoe Conservancy
CTS	Coordinated Transit System
DFC	Desired Future Condition
EBLI	USFS funding codes: Expanded Budget Line Item
EIP	TRPA's Environmental Improvement Program
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
FHCG	Lake Tahoe Basin Forest Health Consensus Group
FHWA	Federal Highways Administration
FTE	Full-Time Employee
GIS	Geographic Information System
IBET	USFS Province, consisting of the Inyo, LTBMU ("Basin"), Eldorado, and Tahoe National Forests
LCT	Lahontan Cutthroat Trout
LTBMU	USFS' Lake Tahoe Basin Management Unit
LTIMP	Lake Tahoe Interagency Monitoring Program
MOU	Memorandum of Understanding
NDF	Nevada Division of Forestry
NDOT	Nevada Department of Transportation
NEPA	National Environmental Policy Act
Nevada DCNR	Nevada Department of Conservation and Natural Resources
NDSP	Nevada Division of State Parks
NFS	National Forest System
NRCS	National Resources Conservation Service
P&S	Plans and Specifications
R-5 FAM	USFS' Region 5's Fire and Aviation Management Program
ROD	Record of Decision

LIST OF ACRONYMS USED IN THIS REPORT, continued

<u>ACRONYM</u>	<u>DEFINITION</u>
SEZ	Stream Environment Zone
SRF	State Revolving Funds
STPUD	South Tahoe Public Utility District
SUP	Special Use Permit
TMA	Transportation Management Association
TRPA	Tahoe Regional Planning Agency
TSI	Timber Stand Improvement
TTD	Tahoe Transportation District
UC Davis	University of California - Davis
USDOT	US Department of Transportation
USFS	US Forest Service
USGS	US Geological Survey
USPS	US Postal Service
WIN	USFS' Watershed Improvement Needs Inventory





President's Deliverable: Over the next five years, the US Forest Service (USFS) will spend \$2 million to clear brush and dead wood from more than 3,500 federally owned lots interspersed with privately owned commercial and residential lots in the Lake Tahoe Basin. This action will protect private property from forest fires and help the environment.

Definition: The funding package has identified funding at \$400,000 per year over the next five years. This funding level is in addition to the \$300,000 annual allocation to the USFS Lake Tahoe Basin Management Unit (LTBMU), bringing the funding to partially accomplish this program to \$700,000. With this level of funding the LTBMU will continue to reduce the backlog of work on the 3,500 parcels, however, completion is not likely within the five year window. Through the Burton-Santini Act, Congress authorized up to 5% of the amount appropriated for management of the lands acquired (Sec 2h).

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 02
Goal	NA	175 lots	175 lots	175 lots/yr
Service contracts, (private), \$125,000/yr	No Deliverables funds available in FY 97	75 lots	75 lots	75 lots/yr
Contracts (CCC, CDF, NDF, Force Acnt, etc.) \$125,000/yr		100 lots	100 lots	100 lots/yr
Prescribed burning on treated lots		150 lots	150 lots	150 lots/yr
Program management, support to Re-Green, media, \$150,000/yr		Staff & support	Staff & support	Staff & support
TOTAL:		175 lots	175 lots	175 lots/yr
COST:		\$400,000	\$400,000	\$400,000/yr

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

The funding package has identified funding at \$400,000 per year over the next five years. This funding level is in addition to the \$300,00 annual allocation to LTBMU, bringing the funding to partially accomplish this program to \$700,000.

With this level of funding the LTBMU will continue to reduce the backlog of work on the 3500 parcels, however, completion is not likely within the five year window. Work will be done within the priority areas as identified by

Tahoe Re-Green. As opportunities present themselves for Stewardship Agreement work outside the priority areas, these will be entered into, however, federal funds will be used to accomplish Tahoe Re-Green Priority Area work first.

Work will be accomplished with a combination of contract work (Nevada Division of Forestry [NDF] Crews, California Conservation Corps [CCC] Crews and private contractors) and force account.

Allocation of the additional \$400,000 will be in the following manner:

- \$150,000 per year for overhead costs, program management and support to Tahoe Re-Green and Public information;
- \$125,000 per year for service contracts with CCC, Nevada and California Division of Forestry Inmate crews, Off-Forest Forest Service crews (Hotshots, Tahoe Crew 7) and LTBMU Engine crews on approximately 100 lots (25 acres) and/or 2.5 miles of urban interface;
- \$50,000 per year (accounted for in prescribed burning deliverable) for prescribed burning on treated lots to eliminate slash piles created from work completed on lots; and
- \$125,000 per year for service contracts (private) on approximately 75 lots (200 acres).

Funding Mix:

The funding mix and EBLI should remain consistent with the FY98 mix used within the special Project (IBET - 01) for the Urban Lot Management Program.

<u>Fund Code</u>	<u>Percent</u>
NFLA	15
NFLL	15
NFSO	21
NFWL	5
SPFH	10
SSSS	5
WFPR - Fuels	30

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
NFLA	Urban Lot Mgmt	\$47,000	\$60,000	\$107,000
NFLL	Urban Lot Mgmt	\$47,000	\$60,000	\$107,000
NFSO	Urban Lot Mgmt	\$63,000	\$80,000	\$143,000
NFWL	Urban Lot Mgmt	\$16,000	\$20,000	\$36,000
SPFH	Urban Lot Mgmt	\$16,000	\$40,000	\$56,000
SSSS	Urban Lot Mgmt	\$16,000 *	\$20,000	\$36,000
WFPR	Urban Lot Mgmt	\$95,000	\$120,000	\$215,000
TOTAL		\$300,000	\$400,000	\$700,000

* Cash and ceiling request

President's Deliverable: USFS will continue efforts to acquire environmentally sensitive and valuable parcels of land within the Lake Tahoe Basin through various authorities including the Land and Water Conservation Fund and the Burton-Santini Act. These purchases, all done on the basis of willing seller/buyer, will help reduce development pressures in the Lake Tahoe Basin and ensure that special places are protected. USDA will commit \$1 million of new funds annually in addition to the \$1 million currently being provided.

Definition: The LTBMU Lands Department will continue its ongoing program of purchasing environmentally sensitive properties from willing sellers. This \$1,000,000 is in addition to the current request of \$1,000,000 annually (Note: \$2,000,000 originally requested), bringing the annual total to \$2,000,000. Case processing costs are \$550,000 (including appraisal, title costs, and staff time).

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 02
Goal		30 additional	30 additional	30 additional/yr
Small urban lots @ 0.25 acres/parcel, 20 parcels.		5 acres	5 acres	5 acres/yr
Intermediate parcels @ 5-40 acre parcels, 10 parcels		100 acres	100 acres	100 acres/yr
Case processing		100 acres		
TOTAL:		30 parcels	30 parcels	30 parcels/yr
COST:		\$1,300,000	\$1,550,000	\$1,550,000/yr

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

The LTBMU will continue its ongoing program of purchasing environmentally sensitive properties from willing sellers. An estimated 30 urban parcels can be purchased with the additional \$1,000,000.

Coordination will continue with the Tahoe Regional Planning Agency (TRPA), local government, California Tahoe Conservancy (CTC), and NV State Lands to use the funds most efficiently. The LTBMU will continue to pursue opportunities for land exchanges to acquire environmentally sensitive lands. Opportunities continue for land exchanges involving private lands in the Lake Tahoe Basin and Bureau of Land Management (BLM) administered lands in Las Vegas. If the Southern Nevada Lands Bill passes, coordination and consultation with the BLM will be pursued with the hope of utilizing funds generated by that bill to acquire land within the Lake Tahoe Basin.

Successful implementation of the program will require contacts with an estimated 150-200 property owners to reach a pool of approximately 75 willing sellers. This pool would represent the properties that would receive appraisals, title work, inspections and ultimately offers to purchase. Based on past acceptance rates, this number of offers would end in a sufficient number of acceptances to spend the additional \$1,000,000. An estimated \$550,000 is needed to complete the necessary case processing, title reports, appraisals, surveys and inspections.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
LALW (Appr)	Land Purchase	\$1,000,000 *	\$1,000,000	\$2,000,000
LALW (Aqu)	Case Processing	\$150,000	\$150,000	\$300,000
LALW (Appr)	Case Processing	\$0	\$150,000	\$150,000
NFLA	Case Processing	\$100,000	\$0	\$100,000
TOTAL		\$1,250,000	\$1,300,000	\$2,550,000

* These funds are normally allocated mid-year

President's Deliverable: The USFS will conduct a \$2,600,000 comprehensive watershed assessment in the Lake Tahoe Basin over the next five years.

Definition: The watershed assessment is the integration of ecological knowledge about the Lake Tahoe Basin. It is designed to clearly define the issues and priorities identified during the Presidential visit and to balance these priorities in resource management. It is intended to assess the physical, biological and social/cultural components of the ecosystem while describing the status of the Lake Tahoe Basin. The assessment process will quantitatively describe and define existing conditions, reference variability and desired future conditions for key ecosystem elements and environmental indicators specifically chosen for the Basin. The watershed assessment will closely follow the process outlined in the Forest Service Region 5 "Sustaining Ecosystems, A Conceptual Framework". A monitoring plan will also be created to measure the effectiveness of treatments in achieving the desired future condition (DFC).

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 02
Goal		Basin Plan	Monitoring	Monitoring
ASSESSMENT				
Define existing conditions		Existing		
Define historic or reference conditions		Reference		
Define DFCs for key indicators		DFC		
ADAPTIVE MANAGEMENT PLAN				
Design an action plan to achieve DFCs		Action Plan		
MONITORING PLAN				
Monitor attainment of DFCs		Monitoring Plan	Implement Monitoring Plan	Implement Monitoring Plan
TOTAL:		Plan	Monitoring	Monitoring
COST:		\$1,000,000	\$400,000	\$400,000/Yr.

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

The watershed assessment will be implemented by a team experienced in project management, ecosystem sciences, and in the integration of results into a usable management plan. The assessment will be an interagency effort that will utilize existing information to produce three main components: an assessment that includes a definition of existing, reference, and future conditions; an implementation schedule of all planned restoration and forest health work; and a monitoring plan. This deliverable will be integrated with other deliverables such as USFS Roads, Prescribed Burning, Mechanical Treatments, Forest Health Consensus Group, Fire History, Water Quality, Water Clarity Model, Threshold Monitoring, and Geographic Information System. It will also rely on current programs of the TRPA, USFS, and the Lahontan Regional Water Quality Control Board, and ongoing work being done for the Sierran Provinces Monitoring Strategy by the USFS. The final product will be designed to supplement or update components of TRPA's Environmental Improvement Program (EIP) document.

ASSESSMENT

The watershed assessment will be divided into three categories: definition of existing conditions, definition of reference conditions, and determination of DFCs. Each category would evaluate the following subjects:

floristic and biologic diversity at the species, population community, and ecosystem levels; watershed condition including water regime, sediment and nutrient regimes, channel morphology, and large organic debris; transportation needs (existing only); erosion sources; landscape mosaic, fuel loads, and stressors. DFCs would be developed for key ecosystem elements and environmental indicators. Public involvement will be essential for each of these steps.

IMPLEMENTATION SCHEDULE

An action plan will be developed to integrate the various projects so as to achieve the DFCs as quickly as possible.

MONITORING PLAN

The monitoring plan will provide for evaluating the progress and effectiveness of projects in attaining the DFCs. **The assessment** and the implementation schedule will be completed by 31 December, 1998. The monitoring plan will be completed by 1 May, 1999. Annual monitoring will proceed from spring 1999 through 2002 or longer as warranted.

FY 98 Summary *FY 99 - FY 02 = \$400,000/ Yr.*

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
NFEM	Assessment/Monitor plan	\$101,000	\$450,000	\$551,000
NFRD	Transportation component	\$0	\$40,000	\$40,000
NFEM	Wildlife Inventory	\$31,000	\$170,000	\$201,000
NFSO	WIN Inventory	\$154,000	\$200,000	\$354,000
NFEM	Implementation Sched.	\$0	\$140,000	\$140,000
	TOTAL	\$286,000	\$1,000,000	\$1,286,000

President's Deliverable: The USFS will significantly increase its work to obliterate old logging roads, eliminating 29 miles per year and completely eliminating unused roads and returning the land to its natural condition in 10 years. Many such roads were built at the turn of the century to provide timber for the Comstock silver mines. Now unused, these roads shed sediment into streams and diminish the Lake's fabled water quality.

Definition: The USFS will reduce the entire backlog of road closures (116 miles) and improvements (168 miles) needed to meet water quality standards and convert one third of closed roads to trails over 10 years. Funding for this work will be \$1,300,000 annually beginning in FY 98. Emphasis in FY 98 and FY 99 will be on completion of project planning and the National Environmental Policy Act (NEPA). Project accomplishments over the first two years will be in the North Shore and Heavenly Valley, where planning has already been completed.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal		29 miles	29 miles	41 miles/yr
Planning and NEPA		\$400,000	\$320,000	
Road closure/obliteration, reveg and BMP ** implementation (includes overhead)		29 miles, \$900,000	29 miles, \$980,000	41 miles, \$1,300,000/yr
TOTAL:		29 miles	29 miles	41 miles/yr
COST:		\$1,300,000	\$1,300,000	\$1,300,000/yr

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

** BMP = Best Management Practices

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

The LTBMU will emphasize planning and the completion of NEPA during 1998 and 1999. We will complete a Travel Management Plan identifying roads to be closed and/or obliterated; roads that will remain on the system as is; and roads to be upgraded to meet BMP standards. This planning work will be completed in conjunction with the Lake Tahoe Basin watershed assessment.

ROAD CLOSURE AND OBLITERATION: This work will involve removal of structures, outcropping, ripping, tilling, and planting of native vegetation to eliminate vehicle use on those roads not needed for future access. In some cases roads may be converted to trails for recreation use at reduced levels of impact. A total of 116 miles (49 miles of system roads and 67 miles of non-system roads) will be closed or obliterated.

ROAD IMPROVEMENTS TO MEET BMP STANDARDS: This work will involve upgrading drainage facilities, placing rock, and/or asphalt surfacing to stabilize road surfaces. A total of 168 miles (139 miles of system roads and 29 miles of non-system roads) will be improved.

Accomplishments over the first two years will be in the North Shore and Heavenly Valley, where planning has already been completed. This work will be done through a combination of contract and force accounts.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
NFRD	Travel mgmt. plan	\$177,000	\$400,000	\$577,000
NFSI	Closure & obliteration	\$0	\$100,000	\$100,000
CN**	BMP improvements	\$157,000	\$700,000	\$857,000
NFSI	BMP Improvements	\$0	\$100,000	\$100,000
TOTAL		\$334,000	\$1,300,000	\$1,634,000

President's Deliverable: The United States, through the USFS, and the Washoe Tribe are entering into a government-to-government agreement to promote a stronger working relationship on issues affecting the Washoe Tribe in the Lake Tahoe Basin.

Definition: Status: A Memorandum of Understanding (MOU) between the USFS and the Washoe Tribe was signed on 25 July, 1997, by Juan M. Palma (LTBMU Forest Supervisor) and Brian Wallace (Chairman, Washoe Tribe of Nevada and California).

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal			na	na
Sign MOU	Completed			
TOTAL:		na		
COST:		na		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

An MOU between the USFS and the Washoe Tribe was signed on 25 July, 1997. This deliverable is complete.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
No costs for signing of MOU				
<hr/>				
TOTAL		\$0	\$0	\$0

President's Deliverable: USDA and the Washoe Tribe will enter into a special use agreement to use an approximately 350 acre meadow for the care and harvesting of plants for traditional purposes.

Definition: USFS will issue a 30 year special use permit to manage a 350 acre meadow for the care and harvesting of plants for traditional purposes. The area is accessed by foot along a dirt road that is closed to vehicle use by a locked gate. This is one of the major trailheads into the Desolation Wilderness and public use shall be maintained.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal		350 acre permit		na
Issue a temporary special use permit.	Temp permit			
Conduct NEPA analysis and issue a long-term special use permit.	Long term permit			
TOTAL:		350 acres		
COST:		\$25,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

The Washoe wish to revitalize heritage and cultural knowledge, including the care and harvest of traditional plants. Meeks Creek Meadow is a contained landscape where important traditional plants grow and are accessible to Tribal elders. Through the special use permit (SUP), the Washoe people will be provided an established area to gather plants, reinforce tradition, and educate their youth and the general public about tribal traditions.

Strategy:

A two phased approach will be used to achieve this deliverable. First, a SUP for study and research will be signed on October 29, 1997. It will expire in 2002.

Second, an environmental document supporting issuance of a longer term permit will also be prepared in FY 98. This long term permit would be issued by 1999 with full NEPA documentation and analysis (estimated cost of \$25,000 in FY 98).

The longer term permit would evaluate the effects of other activities the Washoe tribe would like to conduct, which are unknown to the Forest Service at this time.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
NFRM	Issue permit	\$2000	\$25,000	\$27,000
TOTAL		\$2000	\$25,000	\$27,000

President's Deliverable: USFS and the Washoe Tribe will enter into a special use agreement for 12 to 15 acres to begin the process of establishing a Washoe Cultural Center. The agreement will include provisions for an additional parcel of land (approximately 100 acres) that will ensure tribal members' access to the water's edge for the first time in more than 100 years.

Definition: USFS intends to issue a 30-year special use permit to the Washoe Tribe to establish a Washoe Cultural Center. The parcel of land on which the Cultural Center and other interpretive elements are tentatively located is along Taylor Creek south of state highway 89. An additional parcel of land, across from the cultural center and north of state highway 89, consists of approximately 100 acres and extends to the shore of Lake Tahoe.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				na
Issue a temporary special use permit.	Temp permit			
Prepare environmental document for potential long-term permit	Prepare environmental document			
TOTAL:		110 acres		
COST:		\$150,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

The Washoe wish to revitalize their heritage and culture, including the establishment of a Cultural Center. Further, the Washoe wish to have access to the shore of Lake Tahoe. Through the special use permit, the Washoe people would be provided an established site to educate their youth and the general public and ensure tribal members' access to the water's edge.

Strategy:

A two phased approach will be used to achieve this deliverable. First, a special use permit will be issued on October 29, 1997 for study and research. Second, an environmental document supporting issuance of a longer term permit will also be prepared in FY 98. This long term permit would be issued by 1999 with full NEPA documentation and analysis. The longer term permit would evaluate the effects of activities the Washoe tribe would like to conduct, which are unknown to the Forest Service at this time (estimated cost of \$150,000 in FY 98).

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
NFRM	Issue permit	\$2,000	\$150,000	\$152,000
TOTAL		\$2,000	\$150,000	\$152,000

President's Deliverable: USFS will use prescribed fire and other means to reduce fuels on approximately 3,000 acres of open forest land each year. About 1,000 acres will be burned per year. These steps will help return natural ecological processes to Lake Tahoe's forests.

Definition: Prescribed burning will include treatment of slash from mechanical activities and natural fuel accumulations. All prescribed fire use, including pile burning where necessary to facilitate the introduction of prescribed underburning, will be considered. Annual acreage accomplishments will vary somewhat, but the annual accomplishment, averaged over five years will be about 1,000 acres per year. FY 98 funding needs include \$150,000 for planning on 250 acres for which additional inventory and analysis may be needed to accomplish burning in FY 99.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 02
Goal		1,000 acres	1,000 acres	1,000 acres/yr
White Hill prescribed broadcast burn		65 acres		
Logan House Creek prescribed broadcast burn		20 acres		
Camp and Skunk timber sale piles		550 acres		
Urban Lot piles		60 acres	60 acres	60 acres/yr
Fuel wood area piles		50 acres	50 acres	50 acres/yr
Pioneer Trail Roadside hazard reduction piles		15 acres		200 - 500 acres/yr
Skyland TSI piles		10 acres		
North Shore Project prescribed broadcast burn				0 - 800 acres/yr
North Shore Project piles			400 acres	200 - 500 acres/yr
Spring Creek / Camp Shelly prescribed broadcast burn			200 acres	
Cathedral Road prescribed broadcast burn			50 acres	
East Shore prescribed broadcast underburn			150 acres	60 - 300 acres/yr
Meeks Meadow prescribed burn				0 - 65 acres/yr
Angora prescribed broadcast underburn				0 - 50 acres/yr
Angora Hazard Reduction piles		50 acres	20 acres	
TOTAL:		820 acres	930 acres	~1000 acres/yr
COST:		\$594,500	\$495,000	~\$500,000/yr

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Fire crews, detailed personnel and service contracts will be used to accomplish the burning.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
BDBD	Prescribed burn	\$150,000	\$0	\$150,000
WFPR	Planning & prescribed burn	\$50,000	\$428,000	\$478,000
CWKV	Planning & prescribed burn	\$0	\$105,000	\$105,000
NFWL	Planning & prescribed burn	\$0	\$20,500	\$20,500
NFTE	Planning & prescribed burn	\$0	\$20,500	\$20,500
NFSO	Planning & prescribed burn	\$0	\$20,500	\$20,500
TOTAL		\$150,000	\$594,500	\$744,500

President's Deliverable: USFS will use prescribed fire and other means to reduce fuels on approximately 3,000 acres of open forest land each year. About 1,000 acres will be burned per year. These steps will help return natural ecological processes to Lake Tahoe's forests.

Definition: USFS will use mechanical treatments on approximately 2,000 acres annually to reduce fuel loadings, improve forest health and prepare forest lands for prescribed burning. Funding in FY 98 includes some inventory and planning costs for projects to be implemented FY 98 and beyond.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 02
Goal		2,000 acres	2,000 acres	~2,000 acres/yr
Baldy II Helicopter Hazard Reduction		420 acres		
Dollar Point Hazard Reduction		1050 acres	700 acres	
Pioneer Hazard Reduction		15 acres	975 acres	1000 acres/FY 00
King Hazard Reduction				1000 acres/FY 00
Agate Hazard Reduction				3,000 acres/FY 01
Bliss Pond Fuelwood		13 acres		
Mallard Fuelwood		16 acres		
Angora Hazard Reduction		200 acres		
Bright Forest Health service contract		100 acres	75 acres	
Miscellaneous TSI			200 acres	200 acres/yr
TOTAL:		1,814 acres	1,950 acres	~2,000 acres/yr
COST:		\$2,358,200	\$2,535,000	~\$2,600,000/yr

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

FY 98 treatments will be accomplished principally through commercial timber sale contracts. Service contracts and treatments with hand crews will complete the accomplishments.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
NFTM	Planning & Mechanical treat	\$184,000	\$750,000	\$934,000
CWKV	Mechanical treat.	\$0	\$140,000	\$140,000
SSSS	Planning & Mechanical treat.	\$0	\$280,000	\$280,000
RTRT-T	Mechanical treat.	\$32,000	\$140,000	\$172,000
WFPR	Mechanical treat.	\$10,000	\$1,048,200	\$1,058,200
TOTAL		\$226,000	\$2,358,200	\$2,584,200

President's Deliverable: The Lake Tahoe Basin Forest Health Consensus Group's (FHCG) will shape, monitor, and update a comprehensive and widely supported forest management strategy for the Lake Tahoe Basin and recommend to the Administration any changes in law or policy needed to support that strategy.

Definition: USFS will allocate \$50,000 per year to support the FHCG's efforts to shape, monitor, and update a comprehensive forest management strategy integrated with other ecosystem restoration efforts such as the watershed assessment, prescribed burning and fire history deliverables. The FHCG has identified map and database updates and development of a potential natural vegetation model and a late successional forests enhancement program as needed to effectively develop a Lake Tahoe Basin forest management strategy. Using these and other allocated funds, the USFS will provide staff to help complete these items in close coordination with the FHCG and recommend changes in law or policy to support the strategy. USFS will encourage the States of California and Nevada to provide similar funding for such purposes.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal		5 prod/15 mtgs.	5 prod/15 mtgs.	5 prod/15 mtgs./yr
Meeting and guidance to DFC subgroup		15 meetings	15 meetings	15 meetings/yr
Public information and educational products		5 products	5 products	5 products/yr
TOTAL:		5 prod/15 mtgs.	5 prod/15 mtgs.	5 prod/15 mtgs./yr
COST:		\$50,000	\$50,000	\$50,000/yr

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

LTBMU will provide one regular representative and specialists upon request. LTBMU will continue to provide leadership and organization to the Lake Tahoe Unified Steering Group for Forest Assessment and Protection.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
WFPR	Assist FHCG	\$0	\$10,000	\$10,000
NFSO	Assist FHCG	\$0	\$10,000	\$10,000
NFRM	Assist FHCG	\$0	\$10,000	\$10,000
NFWL	Assist FHCG	\$0	\$10,000	\$10,000
NFTE	Assist FHCG	\$0	\$5,000	\$5,000
NFLA	Assist FHCG	\$0	\$2,500	\$2,500
NFTM	Assist FHCG	\$0	\$2,500	\$2,500
TOTAL		\$0	\$50,000	\$50,000

President's Deliverable: USFS and DOT will conduct an environmental analysis concerning management of Cave Rock and assist TRPA and the Washoe Tribe in long range planning for the area.

Definition: The USFS and Nevada Department of Transportation (NDOT) will conduct an environmental analysis concerning management of Cave Rock and assist the TRPA and the Washoe Tribe in long range planning for the area.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal		Prepare NEPA		
Prepare EIS/ROD	NEPA preparation \$120,000			
TOTAL:		**		
COST:		\$120,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

** EIS/ROD, = Environmental Impact Statement/Record of Decision

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Conduct an environmental analysis of Cave Rock management options, to be completed in FY 98.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
NFRM	Prepare EIS	\$0	\$120,000	\$120,000
TOTAL		\$0	\$120,000	\$120,000

President's Deliverable: USFS will establish baseline information on natural fire history and vegetation conditions in the Lake Tahoe Basin to help set management goals for the area.

Definition: The USFS desires to establish baseline information on natural fire history and vegetation conditions in the Lake Tahoe Basin. This work complements and will be accomplished together with the watershed assessment. The LTBMU will work with R5-FAM (Fire and Aviation Management) and use the established research and study prioritization process to expand on recent research from the east shore of Lake Tahoe.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 01
Goal				
Extend fire history work on east shore		\$30,000		
Reconstruct aboriginal forest structure, composition and fire history on west shore			\$35,000	
Develop interactive computerized graphic display on compact disc			\$30,000	
Determine aboriginal period precipitation and temperature patterns				\$30,000/FY 00
Model and describe forest development after severe stand replacing fires				\$30,000/FY 01
TOTAL:				
COST:		\$30,000	\$65,000	\$30,000/yr

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

This deliverable is needed to identify desired future conditions of the Lake Tahoe watershed. It is a continuation of work begun by Dr. Allen Taylor, who conducted a similar study on the east shore of Lake Tahoe. It requires \$30,000 per year for five years.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
WFPR	Stand/Fire History	\$0	\$30,000	\$30,000
TOTAL		\$0	\$30,000	\$30,000

President's Deliverable: Not in final deliverables package, however, this deliverable is necessary to meet USFS' commitment to TRPA's EIP document. The Wetlands Deliverable provides corresponding funding for the EIP on state lands.

Definition: This deliverable provides funding for watershed restoration work on NFS land for which no other source is available in the deliverables package. Projects are currently identified in the Forest Service's Watershed Improvement Needs Inventory (WIN) database and concurrently in TRPA's EIP document. This deliverable reflects the Forest Service share of the work identified in the EIP.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 02
Goals				
Channel Restoration		1 mi.	1 mi.	2 mi./yr
Riparian		25 ac.	125 ac.	200 ac./yr
Cooperative projects		100 ac.	150 ac.	200 ac./yr
Inventory/Surveys		\$100,000	\$100,000	\$100,000/ FY 00
Project planning		\$225,000	\$450,000	\$450,000/ FYs 00, 01
NEPA/CEQA		\$100,000	\$200,000	\$200,000/yr
Stream restoration		\$50,000	\$100,000	\$300,000/yr
Wetlands restoration		\$0	\$100,000	\$100,000/yr
Program management		\$0	\$100,000	\$100,000/yr
TOTAL:				
COST:		\$475,000	\$1,050,000	\$1,250,000/ FY 00; \$1,150,000/ FY 01; \$700,000/ FY 02

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

The clarity of Lake Tahoe is declining at more than one foot per year. Within 30 years the clarity will be reduced to the point that it will no longer be possible to reverse the current trend and the lake's remarkable attribute will be lost. The cause of this decline is an increasing supply of nutrients to the lake caused by air pollution and urbanization effects such as fertilizers and increased erosion. The most critical nutrient is phosphorous, carried to the lake in eroded sediments. Much remains to be known regarding the mechanisms of the lake's decline, but there is a consensus among experts that the most important thing we can do now to save the lake is to reduce the amounts of sediment and hence the amount of phosphorous delivered to the lake. Most of these projects are included in TRPA's EIP document. This deliverable provides funding for NFS lands.

The emphasis for this deliverable is to provide planning and environmental documentation for all current restoration needs on NFS lands within the Lake Tahoe Basin. Implementation of these projects would be accomplished in part, by funds provided by this deliverable, and in part through cooperative agreements with state and other federal agencies. The goal of this deliverable is to complete all remaining channel, meadow and wetland restoration within 10 years. Since restoration work has been ongoing within the Basin for the past 20 years, the remaining work is some of the most difficult and expensive to implement. Much of the planning and implementation will be accomplished through contracts. This will represent completion of the Forest Service's portion of those projects identified in the EIP.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
NFSI	Watershed Restoration	\$145,000	\$475,000	\$620,000
TOTAL		\$145,000	\$475,000	\$620,000

President's Deliverable: The National Resources Conservation Service (NRCS) will provide technical expertise to implement a "backyard conservation" initiative for individual homeowners who ask for assistance with nutrient and water management of their landscape. NRCS will also provide technical assistance to individuals in local communities with erosion and sediment control efforts on private land.

Definition: NRCS and partners will deliver a "Backyard Conservation" initiative to 1,000 Lake Tahoe Basin homeowners per year. Other technical assistance will be provided for grazing management and urban forest health planning on a total of 500 acres per year.

NRCS will update the Lake Tahoe Basin Area Soil Survey in FY 98 and FY 99. The attribute database will be updated and gaps in the data will be researched and populated. The soil survey will be digitized into an electronic format.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 02
Goal		1,000 homes 500 acres	1,000 homes 500 acres	1,000 homes 500 acres
Backyard Conservation Init.		\$30,000	\$30,000	\$30,000/yr
Update Soil Survey		\$225,000	\$225,000	\$0
TOTAL:				
COST:		\$255,000	\$255,000	\$30,000/yr

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

NRCS will form a partnership with the local Resource Conservation Districts and other organizations to deliver an integrated program of information, education and technical assistance. NRCS will update the Lake Tahoe Basin Soil Survey on private lands in cooperation with local governments at Lake Tahoe and provide information in electronic format for use in GIS analysis.

FY 98 Summary

<u>Fund</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
NRCS	Backyard Conservation	\$85,000	\$30,000	\$115,000
	Update Soil Survey	\$85,000	\$225,000	\$310,000
TOTAL		\$170,000	\$255,000	\$425,000

President's Deliverable: The Army Corps of Engineers (Corps), in partnership with the local community, is completing a Federally funded study to focus on water quality, wetlands habitat, and other environmental restoration opportunities in the Lake Tahoe Basin.

Definition: A Federally funded reconnaissance study is being undertaken pursuant to the procedures prescribed by section 905 of the Water Resources Development Act of 1986. An analysis demonstrating Federal interest in pursuing a plan for ecosystem restoration in the Upper Truckee River and Trout Creek Watersheds was completed and approved in July 1997. A more detailed study for Trout Creek will be initiated in about November 1997 pursuant to Section 206 of the Water Resources Development Act of 1996. The study will investigate environmental restoration opportunities in the Trout Creek Watershed, and if a justified project is identified, will lead to construction of a restoration project.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 02
Goal				
Conduct Section 206 ecosystem restoration study for Trout Creek	Conduct Federally-funded reconnaissance study	Conduct Section 206 ecosystem restoration study; initiate plans and specifications**	Complete plans and specifications/initiate construction	Complete construction
TOTAL:	Study	Study/P&S	P&S/Construction	Construction
COST:	\$100,000	\$600,000	***	***

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

** Initiation of plans and specifications (P&S) is dependent on identification of a justified restoration project and a cost-sharing sponsor for project construction.

*** If a justified project is identified and a Project Cooperation Agreement is signed with a non-Federal sponsor, additional funds will be provided in FY 99 and out years to complete plans and specifications and construct the project.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

The Section 206 ecosystem restoration study will be accomplished cooperatively by Sacramento District of the Corps of Engineers and a group of local sponsors, including , and acting through, the Tahoe Regional Planning Agency. The study will formulate alternative plans using technical and economic criteria specified in the Water Resources Council's *Principles and Guidelines* , and will otherwise be conducted following the standard procedures laid out in the Water Resources Development Act of 1996 and other laws and regulations. The study will utilize and complement other deliverables such as the USFS Watershed Assessment, Environmental Protection Agency (EPA)/University of California-Davis (UC Davis) modeling efforts, and other restoration and planning efforts.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
	General Investigation	\$0	\$600,000	\$600,000
TOTAL		\$0	\$600,000	\$600,000

President's Deliverable: The Army Corps of Engineers and TRPA reached a partnership agreement on watershed restoration.

Definition: The Army Corps of Engineers and the TRPA agreed to act in partnership toward (1) the initiation and completion of a cost-shared Upper Truckee River and Trout Creek Watersheds Feasibility Report and (2) the use of Corps authorities for any additional opportunities for environmental restoration throughout the Lake Tahoe Basin Watershed.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 01
Goal				
Use authorities for additional restoration in the Tahoe Basin	NA	Expand ongoing Tahoe Basin reconnaissance study; Conduct Section 208 studies for Blackwood and Ward Creeks**	Conduct cost-shared feasibility study	Conduct cost-shared feasibility study
TOTAL:		Study/Project Construction	Study	Study
COST:	\$0	\$1,100,000	***	***

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

** The Section 208 studies for Blackwood and Ward Creeks will each begin with preparation of a \$40,000 Federally-funded Planning and Design Analysis report. If a justified project is identified and a Project Cooperation Agreement signed with a non-Federal sponsor, more detailed studies will be conducted, plans and specifications will be prepared, and the project(s) will be conducted. The Federal share of any project implemented under Section 208 may be up to \$500,000 (includes both study and construction costs).

*** If during the reconnaissance study it is determined there is a Federal interest in more-detailed studies and a non-Federal sponsor is identified to cost-share the study, a cost-shared feasibility study will be conducted in FY 99 and out-years. The feasibility study may lead to Congressional authorization of a restoration project.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

The partnership agreement was signed as the reconnaissance study of the Upper Truckee River and Trout Creek Watersheds drew to a close. The continuation of that study into the detailed feasibility phase is addressed in another Corps of Engineers deliverable (Trout Creek).

The expansion of study to more parts of the Lake Tahoe Basin, so as to be able to use authorities available to the Corps of Engineers for restoration projects throughout the Basin, will proceed by the initiation of further reconnaissance studies. The reconnaissance study initiated in 1997 will be expanded to investigate restoration opportunities throughout the Basin. The study will be conducted pursuant to Section 905 of the Water Resources Development Act of 1986 and implementing regulations of the Corps of Engineers. It will be funded by \$100,000 in FY 98 using Federal General Investigation funds. If the study indicates that restoration activities appear to be feasible and to be in the Federal interest, the study can proceed on the more-detailed, cost-shared feasibility stage, and then possibly on to Congressional authorization and construction period. The reconnaissance studies will utilize and complement other deliverables such as the USFS Watershed Assessment, EPA/UC Davis Modeling Efforts, and other restoration and planning efforts.

At any time in the process of reconnaissance of feasibility study, suitable separable small projects may be spun off and accomplished under a continuing authority, most likely under the authority of Section 206 of the Water Resources Development Act of 1996, Aquatic Ecosystem Restoration. This could enable quicker implementation of some relatively small projects than would be possible following the path towards project-specific Congressional authorization.

In addition to the expanded reconnaissance study, the Corps of Engineers will initiate two studies pursuant to Section 208 of the Flood Control Act of 1954. The studies will be conducted in cooperation with the Tahoe Regional Planning Agency and other local interests and will investigate opportunities for removing sediment and debris accumulated in Blackwood and Ward Creeks during the winter storms of December 1996 and January 1997.

FY 98 Summary

<u>EBLJ</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
	Section 208 Studies	\$0	\$1,000,000	\$1,000,000
	Reconnaissance Study	\$0	\$100,000	\$100,000
TOTAL		\$0	\$1,100,000	\$1,100,000

President's Deliverable: The President directed federal agencies to establish a formal interagency partnership charged with assuring coordination and efficient management of federal program projects and activities with the Lake Tahoe Basin. This includes the development of a linked database sponsored by the US Geological Survey (USGS).

Definition: To facilitate coordination of research, monitoring, and environmental management activities in the Lake Tahoe Basin, and to ensure the widest possible access to data and information resulting from such activities, the USGS will lead a multi-agency team to review and adopt, as appropriate, standards and protocols for spatial data and other data used in a Geographic Information System (GIS) that supports improvement of the Basin's health.

The USGS will lead in the establishment of a multi-agency clearing house for GIS and other data and assist in linking individual agency databases through a world-wide web site on the Internet. Technical assistance will be provided to other agencies in GIS and data-management technology through partnerships. These advancements in information management will ensure scientists, resource managers, and other interested parties will have quick and easy access to Lake Tahoe related data and information. This deliverable will greatly benefit virtually all other deliverables and will be especially important to the Watershed Assessment, Fire History, drinking water, and environmental monitoring activities.

As part of the multi-agency effort, the LTBMU will bring its IBM ARC INFO/ARC VIEW (GIS) fully online and will participate with the USGS, TRPA, and others in developing the database called for in the executive order.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 02
Goal				
USGS: establish clearinghouse, lead coordination		\$50,000	\$50,000	\$50,000/FY 00
FS:				
Hire GIS coordinator		Salary \$70,000/yr	Salary \$70,000/yr	Salary \$70,000/yr
Hire an assistant GIS coordinator		Salary \$50,000/yr	Salary \$50,000/yr	
Obtain supplies for GIS operation		Supplies \$30,000	Supplies \$30,000	Supplies \$5,000/yr
USFS Subtotal:		\$150,000	\$150,000	\$75,000/yr
TOTAL COST:		\$200,000	\$200,000	\$125,000/FY 00; \$75,000/FYs 01, 02

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

USGS will work with federal, state, local and university partners to develop an on-line clearinghouse for GIS and related digital information on the resources of the Lake Tahoe Basin. A multi-agency team will inventory available data, information and agency resources and address and adopt data standards and protocols for sharing digital information between agencies. The USGS will create a 'virtual library' for such data and information by Internet linkages to the individual agencies responsible for the original data. Tools developed by the USGS, including a data management and Internet linkage maintenance strategy, will be made available to local agencies for long-term coordination. Consistent with available funding partnerships, the USGS will provide technical assistance for GIS and data-management elements for other deliverables such as Watershed Assessment, Fire History, and environmental monitoring.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Costs</u>	<u>Total Annual Budget</u>
USGS:	Clearinghouse, Internet linkages	\$0	\$50,000	\$50,000
USFS:				
NFTM	Develop GIS	\$0	\$30,000	\$30,000
NFSO	Develop GIS	\$0	\$30,000	\$30,000
NFRD	Develop GIS	\$0	\$30,000	\$30,000
NFRM	Develop GIS	\$0	\$30,000	\$30,000
NF(FIRE)	Develop GIS	\$0	\$30,000	\$30,000
	Subtotal:	\$0	\$150,000	\$150,000
TOTAL: USFS + USGS		\$0	\$200,000	\$200,000

President's Deliverable: The Administration is providing new resources for a number of other actions to improve scientific and public understanding of Lake Tahoe's complex environment, including new support for monitoring, research, and public education.

Definition: Additional scientific data and research are required to support the Lake Tahoe models, watershed assessments, erosion control, through it's cooperative programs, support such data collection and analysis by matching funding partners. Projects such as those listed below will supplement the substantial existing annual investment by USGS and TRPA in the Lake Tahoe Interagency Monitoring Program (LTIMP). USGS funding will require partnerships outside the scope of the \$880,000 allocated to UC Davis for model development.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 01
Goal				
Analysis of LTIMP monitoring data		\$80,000	\$80,000	
Digital bathymetry of the Lake Tahoe Basin		\$100,000	\$50,000	
Sources of gasoline contamination		\$140,000	\$200,000	\$200,000/FY 00
Restoration of Lahontan cutthroat trout feasibility study		\$95,000	\$60,000	\$60,000/yr
TOTAL:				
COST:		\$415,000	\$390,000	\$260,000/FY 00; \$60,000/FY 01

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Analysis of LTIMP monitoring data - The Lake Tahoe Interagency Monitoring Program (LTIMP) measures stream flow and water quality at 32 sites in 14 watersheds and ground water levels and quality at 32 wells in the Lake Tahoe Basin. Data from the LTIMP are invaluable to establish long-term trends in stream and lake quality and will be essential to support the watershed assessment, source water protection, environmental restoration, and development of models. However, additional federal and local cooperative funds are needed to adequately analyze and evaluate the the data generated by this program over the past 15 years.

Digital mapping of the Lake Basin - The current maps of the bottom of Lake Tahoe (bathymetry) are based on data collected in the late 1920's. USGS, with university and private partners, which are being sought, will use state-of-the-art high resolution imaging and computer tools to produce a very precise 3-dimensional digital map of the bottom surface of the lake that will be used to observe, monitor, and model both natural and human influences on sedimentation processes and rates and will be essential information to support the lake clarity models.

Sources of gasoline pollution - Initial studies by the University of Nevada in the summer of 1997 have demonstrated the presence of MTBE and other gasoline by-products in the waters of Lake Tahoe and other nearby lakes impacted by recreational watercraft. Concurrent sampling and state-of-the-art low level analyses by the USGS have shown these products to exist in the Lake to depths of at least 100 feet and to not be present in other lakes in the basin that do not host recreational watercraft. USGS will conduct a detailed survey of organic contaminants in the lake and tributary streams and ground water. The results of this comprehensive survey will be valuable to the formulation of water quality protection strategies to protect aquatic life in the lake and streams and both surface and ground water drinking water supplies. Funding partners for this effort are being sought with other federal, state, and local agencies.

Restoration of Lahontan Cutthroat Trout - Prior to the 1900's, Lahontan Cutthroat Trout (LCT) were a spectacular gamefish common throughout the Truckee River system from Lake Tahoe to Pyramid Lake. By the late 1940's they were no longer naturally sustained anywhere in the Truckee basin. Re-establishment of a viable population of LCT within the Lake Tahoe Basin will return a fish important to both the Washoe and Pyramid Lake Tribes and will re-introduce a world class fishery to the Lake Tahoe and it's tributaries. The USGS will investigate the factors allowing the LCT to successfully survive in Independence Lake and assess the feasibility of re-establishment of the LCT in Lake Tahoe.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Costs</u>	<u>Total Annual Budget</u>
	Analysis of LTIMP data	\$594,000 *	\$80,000 **	\$674,000
	Digital bathymetry of Lake Tahoe	\$0	\$100,000 **	\$100,000
	Sources of gas pollution	\$0	\$140,000 **	\$140,000
	Feasibility of LCT restoration	\$0	\$95,000 ***	\$95,000
	TOTAL	\$594,000	\$415,000	\$1,009,000

* \$297,000 each from USGS and TRPA

** requires 50 percent match from one or more local partners

*** majority of funds will be required from one or more federal or local partners

President's Deliverable: The US Department of Transportation (USDOT) and USFS will fund a study to evaluate a new east shore beach shuttle service for Lake Tahoe beachgoers, designed to address erosion, congestion, and safety hazards along State Route 28.

Definition: The Federal Highways Administration (FHWA) has awarded \$20,000 to NDOT to conduct a transit study to evaluate shuttle services on the east shore of Lake Tahoe. Using results of the 1997 demonstration service, the study will focus on how the provision of parking at certain locations and the prohibition of parking (with appropriate enforcement) at other locations will impact transit use, visitor access, and beach use. The study will be based on several transit service alternatives, including an alternative for transit only when all internal parking supply is used and external lots at the ends of the corridor are required. The alternative locations and total parking supply in and at the ends of the corridor will be coordinated with NDOT, USFS, NDSP, TTD, TRPA and local beach users.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal	Prepare Report			
Fund Study	\$20,000 **			
TOTAL:	Report			
COST:	\$20,000			

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

** Funds Allocated 31 July, 1997

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

State Route 28 Beach Shuttle Strategy

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
		\$0	\$0 *	\$0
TOTAL		\$0	\$0	\$0

* \$20,000 allocated 29 July, 1997

President's Deliverable: USDOT will request \$1.0 million in funding and USFS will provide up to 60 acres of land for a transit center to reduce traffic congestion and pollution.

Definition: Regional partners are pursuing congressional funding in the amount of \$1.0 million dollars for construction of a transit center at the USFS 64 acre site in Tahoe City. The transit center will provide for transit vehicle parking, automobile parking and other related transit features such as waiting areas, benches, and schedule information. In order to obtain the congressional funds, the USFS, FTA, TRPA, TTD, TNT/TMA, Placer County, and others must work cooperatively to ensure that our Congressional leaders are aware of the need and support for this transit center so that funding can be approved. Both Placer County and the North Lake Tahoe Resort Association have already approved the use of \$300,000 (\$150,000 respectively) for the local match. The Forest Service will provide the land.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
		\$1,000,000**		
TOTAL:				
COST:		\$1,000,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

** Pending approval of the Surface Transportation re-authorization bill.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Transit Center Strategy: Pursue Congressional earmark for \$1.0 million. If this approach fails, pursue a 49 CFR application for the center.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
		\$0	\$1,000,000	\$1,000,000
TOTAL		\$0	\$1,000,000	\$1,000,000

President's Deliverable: DOT will boost funding and EPA will provide technical support for the master plan to upgrade paved roads in the basin to improve erosion control and stormwater management.

Definition: FHWA has provided NDOT an additional \$250,000 for preliminary engineering to develop a master plan for erosion control and stormwater management for NDOT facilities within the Lake Tahoe Basin. The project, already receiving \$1.0 million from FHWA, includes special studies by NDOT to evaluate the impacts of runoff from transportation facilities. EPA will provide technical assistance to support both USDOT and NDOT in implementing the most effective stormwater control BMPs for streets and highways on the Nevada side of the Lake Tahoe Basin. Also, EPA will help fund a project at Ski Way Boulevard in Incline Village, Nevada (Washoe county), a steep, winding road with severely eroded gullies in one of the worst contributing watersheds for nutrients and sediments to Lake Tahoe. An erosion control project has been designed for this area that will capture erosive stormwater run-off and convey it to a sediment detention basin for treatment at the bottom of the slope, located at one of the golf courses in Incline Village. This highly-visible and important project will receive its permit this year and be constructed in 1998. The project results from collaboration between Washoe County, the NRCS, the Nevada Tahoe Resource Conservation District, the USFS, TRPA, and the Incline Village General Improvement District.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
Upgrade Basin Roads				
DOT funds for Master Plan	\$250,000 **			
EPA Funds		\$50,000		
TOTAL:				
COST:	\$250,000	\$50,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

** DOT funds allocated 31 July, 1997

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
EPA	Technician Assistant	\$0	\$50,000*	\$50,000
TOTAL		\$0	\$50,000	\$50,000

* \$250,000 allocated 31 July, 1997. Funding to support Roads Master Plan.

President's Deliverable: USDOT will fund a new joint California/ Nevada plan to utilize an advanced weather information system to reduce wintertime application of sand, salt, and de-icing chemicals, some of which enter the lake and harm water quality.

Definition: NDOT has installed weather stations in the Basin which provide early warning of changing conditions. The RWIS enables NDOT to provide travelers with early warning and to have maintenance crews place salt, sand, and other de-icing chemicals in a more timely manner. This has substantially reduced the applications and resultant runoff into Lake Tahoe. FHWA is providing \$75,000 to plan for the expansion of the system Basin-wide, which would put sites for the first time in California.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
Create Weather Station	\$75,000**			
TOTAL:				
COST:		\$75,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

** Pending approval of the Surface Transportation re-authorization bill.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
	Weather Station	\$0	\$75,000	\$75,000
TOTAL		\$0	\$75,000	\$75,000

President's Deliverable: EPA and USDOT will award funds to implement the Coordinated Transit System (CTS). This CTS will coordinate and combine operation of mass transit vehicles owned by various public and private entities serving visitors at Lake Tahoe.

Definition: EPA and the USDOT will award a total of \$2.5 million to implement CTS at Lake Tahoe's south shore. EPA will provide \$1.25 million from FY 97 funds. CTS will merge public and private transit services into a bi-state, centrally operated and dispatched system for efficient passenger transportation in the south shore area for residents and tourists alike. Passengers will access the system via touchscreen kiosks in retail and tourist areas, or by voicemail accessible from bus stops or private residences. The computerized system will then dispatch a roving fleet vehicle, and notify the passenger of a pick-up time. The CTS will lessen public reliance on automobiles by providing door-to-door public transportation, thereby improving air and water quality by reducing air and urban run-off pollution on the lake.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
Implement CTS	\$1,250,000**			
TOTAL:				
COST:		\$1,250,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

** Pending approval of the Surface Transportation re-authorization bill.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Transit System Strategy

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
DOT	CTS	\$0	\$1,250,000	\$1,250,000
TOTAL		\$0	\$1,250,000	\$1,250,000

President's Deliverable: The USDOT will provide \$6 million to fund work at Reno/Tahoe International Airport to repair the cross-wind runway damaged during the recent winter floods. This will ensure that this critical gateway is open for travelers heading to Lake Tahoe.

Definition:

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
Flood Repair	\$6,000,000 **			
TOTAL:				
COST:	\$6,000,000			

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

** Funds authorized July 1997

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Reno/Tahoe Airport repair strategy.

Funds Authorized in July 1997

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
NEV. FHA	Reno/Tahoe	\$0	\$0 *	\$0
TOTAL		\$0	\$0	\$0

* \$6,000,000 allocated in 1997

President's Deliverable: EPA will provide funding and assistance to the TRPA to develop real-time monitoring for water and air quality.

Definition: TRPA's real-time environmental threshold monitoring program will actively monitor and map the status of the nine environmental thresholds at Lake Tahoe, providing current information on the status of each threshold. This status information, in combination with a predictive model (Lake Tahoe Water Clarity Model) and analytical efforts including geographic information systems, will enable effective targeting of available funding to projects and sites which would yield the most water quality improvement. Additional grants and technical assistance will go to the TRPA for developing a continuous monitoring program for use in the Lake Tahoe model to be developed by UC Davis (see p. 59).

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
	\$100,000	\$100,000		
TOTAL:				
COST:	\$100,000	\$100,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Over a period of five years, TRPA will acquire the equipment, data, procedures, and labor necessary to sustain this continuous evaluation process. The TRPA, USGS, and EPA will co-host a meeting among interested parties with roles to play in GIS/data management in the Tahoe Basin. Ensure coordination with Lake Tahoe Water Clarity Model.

FY 97 funding is currently available for award. EPA Region IX project officer assigned. Award grant during first quarter of FY 98.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Costs</u>	<u>Total Annual Budget</u>
	Map Thresholds	\$0	\$100,000	\$100,000
	TOTAL	\$0	\$100,000	\$100,000

President's Deliverable: EPA will provide funding to the States of California and Nevada for wetlands and stream restoration projects to filter out contaminants and improve water quality and habitat for wildlife.

Definition: Working with states of California and Nevada, EPA Region 9 will provide funding to wetlands projects that address Lake Tahoe area needs. The specific projects will be identified based on the results of on-going work resulting from grants previously funded by EPA, and will address one or both of the following: (1) collecting and evaluation information to address a gap in TRPA's Stream Environment Zone (SEZ)/wetlands classification program for grazing/meadow management and associated wetlands restoration/design criteria; and (2) evaluating the capabilities of the basin's wetlands to treat urban stormwater runoff without impairing the existing biological integrity of the wetlands receiving the stormwater. Coordination with the USFS and other agencies will occur as needed.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
Wetlands Restoration Projects		\$150,000		
Non-Federal Match		\$50,000		
TOTAL:				
COST:		\$200,000 **		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

** This grant requires a 25% match by TRPA. With TRPA's match, the total project cost is \$200,000.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
TRPA	Wetlands Restoration Projects		\$50,000	\$50,000
EPA			\$150,000	\$150,000
TOTAL:			\$200,000	\$200,000

President's Deliverable: The President will work with Congress to secure funding for a replacement pipeline to carry wastewater out of the Lake Tahoe basin. The Administration supports this effort aimed at preventing a catastrophic spill of wastewater into the lake by replacing the deteriorating wastewater pipeline at South Lake Tahoe.

Definition: The current South Tahoe Public Utility District (STPUD) 27-mile wastewater effluent export pressure pipeline conveys treated wastewater out of the Lake Tahoe Basin into Alpine County, California for use by ranchers. This pipeline is aging, has experienced repeated breaks and spills, and needs to be replaced by STPUD.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 02
Goal	0	22,000 ft		
Construct replacement pipeline	A-line			
TOTAL:	0	22,000 ft		
COST:		\$7,150,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.
No Federal commitment beyond FY 98.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Pipeline Strategy: Design and environmental review is in process. Bids for the project will be received in December 1997. Construction will be complete October 1998.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
*	Design & Construct		\$7,150,000	\$7,150,000
TOTAL:			\$7,150,000	\$7,150,000

* EPA State and Tribal Assistance Grants

President's Deliverable: EPA, California, and Nevada are drafting an agreement to ensure that they coordinate in research and implementation of water quality restoration measures with local partners.

Definition: The Presidential Forum at Lake Tahoe has provided the federal government with the opportunity to renew our commitment, along with our state program partners, to restore and protect the Lake. To maximize this opportunity, EPA is identifying specific ways to join with state and local governments, the private sector, and the citizens of the Lake Tahoe Basin to invest in the Basin's future. In order to most effectively deliver on commitments discussed at the Presidential Forum, EPA has begun discussions with California and Nevada to prepare for implementation of the President's announcements made on July 26, 1997. These discussions have included California EPA (CalEPA), California Department of Resources, and the Nevada Department of Conservation and Natural Resources (Nevada DCNR). A preliminary draft "Lake Tahoe Water quality Partnership Agreement" has been drafted for signature by EPA and these state agencies following the President's visit.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 02
Goal				
Develop Agreement		\$15,000	\$15,000	\$15,000/yr
TOTAL:				
COST:		\$15,000	\$15,000	\$15,000/yr

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Complete negotiations on draft agreement that was prepared prior to President's visit to Lake Tahoe. Consult with CalEPA, California Department of Resources, and Nevada DCNR to determine appropriate modifications; make changes as needed. Forward for signature. Anticipate signature by December 1997.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
	Develop Agreement	\$0	\$15,000	\$15,000
<u>TOTAL</u>		<u>\$0</u>	<u>\$15,000</u>	<u>\$15,000</u>

President's Deliverable: EPA will provide new funding to the TRPA for a Source Water Protection Program under the Safe Drinking Water Act to ensure protection of public health.

Definition: Under the 1996 Amendments to the Safe Drinking Water Act, states are required to assess the source water areas of all public water systems in the state to determine the systems' susceptibility to contamination, but the requirements of the law are unclear on assessments of interstate source water areas. This funding would support a cooperative, bi-state source water protection program effort as a pilot project, to encourage states across the country to undertake interstate source water assessments of valuable drinking water sources. This initiative will be an early and important test of the means, such as scoping and developing memoranda of agreement, that may be necessary for other communities that face similar multi-jurisdictional issues in source water assessment and protection.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
	\$50,000			
TOTAL:				
COST:	\$50,000			

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Coordination needed with California and Nevada Source Water Protection Programs, both state's drinking water revolving fund programs, USGS, and USFS.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
		\$0	\$0 *	\$0
TOTAL		\$0	\$0	\$0

* Allocated in 1997

President's Deliverable: EPA will award UC Davis a grant to build a predictive model which assists Basin planners by forecasting the impact watershed improvements will have on water quality.

Definition: In an expansion of the UC Davis' long history of scientific leadership at Lake Tahoe, the EPA will award the University an \$880,000 grant for new computer modeling tools to accurately predict the benefits of different water quality improvement projects. See p.49. The model to be developed would consist of a series of subcomponents that would define the relationships between (1) land use and sediment/nutrient loading to the lake, (2) sediment/nutrient loading and algae growth, and (3) algae growth and sediment (silt) loading and water clarity. By mathematically linking these variables, water clarity will be described in terms of nutrient loading from both the surrounding watershed and the atmosphere. The model will be used both for diagnosing Lake problems and evaluating alternative solutions. The model will provide responsible decision-makers with the scientific basis for deciding which types of projects at which locations in the Basin will yield the most significant benefits to lake water clarity.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
Create model	\$293,000	\$293,000	294000	
TOTAL:				
COST:	\$293,000	\$293,000	\$294,000	\$0

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Lake water clarity model for Lake Tahoe.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
EPA	Lake Model	\$0	\$293,000	\$293,000 *
TOTAL		\$0	\$293,000	\$293,000

* Portion of funds allocated in 1997 (\$293,000).

President's Deliverable: EPA will provide funding to Tahoe/Baikal Institute to conduct scientific research and education programs at Lake Tahoe and Lake Baikal, Siberia.

Definition: EPA will provide \$50,000 in FY 98 to build upon local efforts in the Tahoe region to foster information exchange and cultural ties between Lake Tahoe and Lake Baikal. Lake Baikal is an environmentally significant area in Eastern Siberia and has been a focus of U.S. efforts through the Gore-Chernomyrdin Commission. South Lake Tahoe and Baikalsk (on Lake Baikal) are sister cities, and local organizations in Lake Tahoe conduct exchange programs focusing on scientific and economic development issues, as well as cultural issues. Both regions are centered on scenic lakes noted for their clarity and purity, and both are dealing with issues of environmental protection and the connections to the regions' economies.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
		\$50,000		
TOTAL:				
COST:		\$50,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Administer grant.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Costs</u>	<u>Total Annual Budget</u>
	Scientific Research and Ed.	\$0	\$50,000	\$50,000
TOTAL		\$0	\$50,000	\$50,000

President's Deliverable: EPA will increase staffing in the Lake Tahoe Basin to provide technical assistance and participate on collaborative multi-agency teams (federal, state, local) to implement research, pollution control, and various other initiatives.

Definition: EPA will provide technical support to TRPA to coordinate overall EPA efforts in the Basin including technical support to development and implementation of the real-time monitoring program, analysis of existing water quality data, and coordination of data management activities with federal, state, and local agencies.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
		\$75,000		
TOTAL:				
COST:		\$75,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Determine source of full-time employee (FTE) support for position. Consult Human Resources Office to determine procedures applicable to place-basing EPA employees at other than Regional Office locations. Prepare position description as needed; consult with TRPA as needed; advertise as needed. Select candidate and place at TRPA.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Costs</u>	<u>Total Annual Budget</u>
	Provide Technical Assistance	\$0	\$75,000	\$75,000
	TOTAL	\$0	\$75,000	\$75,000

President's Deliverable: Not in the final Deliverables package.

Definition: The National Environmental Hotline (1-800-C-L-E-A-N-U-P and internet site www.1800cleanup.org) has implemented a Lake Tahoe demonstration. The Hotline provides the public with toll-free environmental and recycling information specific to their zip code. In addition to information customarily available on the Hotline, the Tahoe demonstration provides Tahoe-specific transit information by calling this toll-free number, entering "1" for English, entering the Truckee zip code 96161, then pressing "7".

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
Staff Hotline	\$15,000			
TOTAL:				
COST:		\$15,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Costs</u>	<u>Total Annual Budget</u>
	Staff Hotline	\$0	\$15,000	\$15,000
TOTAL		\$0	\$15,000	\$15,000

President's Deliverable: Not in the final Deliverables package.

Definition: Working with California and Nevada, EPA Region 9 will determine an appropriate method for providing funding to non-point source pollution control projects that address Lake Tahoe area needs. TRPA presently has a non-point source grant application pending with the State of Nevada.

EPA is currently providing technical assistance to TRPA in implementing the BMP retrofit program for individual property owners. These efforts are being coordinated with the Tahoe Re-Green being implemented by an interagency task force. Additional analysis could include review of effectiveness of implemented program (i.e. most effective, least polluting method of removing biomass).

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
Pollution Control Projects		\$15,000		
TOTAL:				
COST:		\$15,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Costs</u>	<u>Total Annual Budget</u>
	Pollution Control Proj.	\$0	\$15,000	\$15,000
	TOTAL	\$0	\$15,000	\$15,000

President's Deliverable: EPA and USDOT will award funds to implement the Coordinated Transit System (CTS). This CTS will coordinate and combine operation of mass transit vehicles owned by various public and private entities serving visitors at Lake Tahoe.

Definition: EPA and the USDOT will award a total of \$2.5 million to implement CTS at Lake Tahoe's south shore. EPA will provide \$1.25 million from FY 97 funds. CTS will merge public and private transit services into a bi-state, centrally operated and dispatched system for efficient passenger transportation in the south shore area for residents and tourists alike. Passengers will access the system via touchscreen kiosks in retail and tourist areas, or by voicemail accessible from bus stops or private residences. The computerized system will then dispatch a roving fleet vehicle, and notify the passenger of a pick-up time. The CTS will lessen public reliance on automobiles by providing door-to-door public transportation, thereby improving air and water quality by reducing air and urban run-off pollution on the lake.

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
Implement CTS, EPA	\$1,250,000			
TOTAL:				
COST:	\$1,250,000			

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Transit System Strategy

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds*</u>	<u>Total FY 98 Budget</u>
EPA	CTS	\$0	\$0	\$0
TOTAL		\$0	\$0	\$0

* \$1,250,000 awarded by EPA in August 1997.

President's Deliverable: The United States Postal Service (USPS) will help Lake Tahoe and its residents by extending home and clustered box mail service to communities on the west shore of Lake Tahoe and by replacing its current antiquated fleet of diesel-powered trucks with cleaner burning compressed natural gas vehicles.

Definition:

Implementation Strategy

Fiscal Year	President's 2 Year Commitment		Out Years *	
	FY 97	FY 98	FY 99	FY 00 - 08
Goal				
West Shore mail service extension		\$250,000		
TOTAL:				
COST:		\$250,000		

* Funding beyond the President's 2 year commitment is subject to annual appropriations.

Strategy to Accomplish

Presidential actions to protect Lake Tahoe

Improve Mail Service Strategy.

FY 98 Summary

<u>EBLI</u>	<u>Task</u>	<u>98 Base</u>	<u>Deliverable Funds</u>	<u>Total FY 98 Budget</u>
Postal Service	Extend Delivery		\$250,000	\$250,000
TOTAL			\$250,000	\$250,000

ALL FEDERAL AGENCIES FINANCIAL SUMMARY, SIX YEAR TOTALS

APPENDIX A1

Agency	Category	1970	1971	1972	1973	1974	1975	Total
Department of Defense	Operating Expenses	1,200,000	1,300,000	1,400,000	1,500,000	1,600,000	1,700,000	8,700,000
	Capital Expenses	500,000	550,000	600,000	650,000	700,000	750,000	3,750,000
	Construction	300,000	350,000	400,000	450,000	500,000	550,000	2,550,000
	Research and Development	400,000	450,000	500,000	550,000	600,000	650,000	3,150,000
Department of Health, Education and Welfare	Operating Expenses	800,000	850,000	900,000	950,000	1,000,000	1,050,000	5,550,000
	Capital Expenses	200,000	220,000	240,000	260,000	280,000	300,000	1,400,000
	Construction	100,000	110,000	120,000	130,000	140,000	150,000	650,000
Department of State	Operating Expenses	100,000	110,000	120,000	130,000	140,000	150,000	750,000
	Capital Expenses	50,000	55,000	60,000	65,000	70,000	75,000	375,000
Department of Justice	Operating Expenses	150,000	160,000	170,000	180,000	190,000	200,000	950,000
	Capital Expenses	75,000	80,000	85,000	90,000	95,000	100,000	475,000
Department of Agriculture	Operating Expenses	120,000	130,000	140,000	150,000	160,000	170,000	770,000
	Capital Expenses	60,000	65,000	70,000	75,000	80,000	85,000	435,000
Department of Housing and Urban Development	Operating Expenses	90,000	95,000	100,000	105,000	110,000	115,000	525,000
	Capital Expenses	45,000	50,000	55,000	60,000	65,000	70,000	345,000
Department of Labor	Operating Expenses	80,000	85,000	90,000	95,000	100,000	105,000	455,000
	Capital Expenses	40,000	45,000	50,000	55,000	60,000	65,000	315,000
Department of Transportation	Operating Expenses	70,000	75,000	80,000	85,000	90,000	95,000	395,000
	Capital Expenses	35,000	40,000	45,000	50,000	55,000	60,000	285,000
Department of Energy	Operating Expenses	60,000	65,000	70,000	75,000	80,000	85,000	335,000
	Capital Expenses	30,000	35,000	40,000	45,000	50,000	55,000	265,000
Department of the Interior	Operating Expenses	50,000	55,000	60,000	65,000	70,000	75,000	315,000
	Capital Expenses	25,000	30,000	35,000	40,000	45,000	50,000	225,000
Department of Social Security Administration	Operating Expenses	40,000	45,000	50,000	55,000	60,000	65,000	275,000
	Capital Expenses	20,000	25,000	30,000	35,000	40,000	45,000	175,000
Department of Conservation	Operating Expenses	30,000	35,000	40,000	45,000	50,000	55,000	225,000
	Capital Expenses	15,000	20,000	25,000	30,000	35,000	40,000	175,000
Department of Veterans Affairs	Operating Expenses	20,000	25,000	30,000	35,000	40,000	45,000	175,000
	Capital Expenses	10,000	15,000	20,000	25,000	30,000	35,000	135,000
Department of Education	Operating Expenses	10,000	15,000	20,000	25,000	30,000	35,000	135,000
	Capital Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
Department of Commerce	Operating Expenses	10,000	15,000	20,000	25,000	30,000	35,000	135,000
	Capital Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
Department of the Environment	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of Health Services	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of Economic Affairs	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of Public Works	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of Cultural Affairs	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of International Affairs	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of National Affairs	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of Federal Reserve	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of Treasury	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of Postal Service	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of National Security	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of National Defense	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of National Health	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of National Education	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of National Energy	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of National Environment	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of National Cultural	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of National International	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000
Department of National National	Operating Expenses	5,000	7,000	9,000	11,000	13,000	15,000	60,000
	Capital Expenses	2,500	3,500	4,500	5,500	6,500	7,500	30,000

ALL FEDERAL AGENCIES FINANCIAL SUMMARY, SIX YEAR TOTALS
 APPENDIX A1

A1 : ALL FEDERAL AGENCIES FINANCIAL SUMMARY
SIX YEAR TOTALS

Department	Agency	Deliverable	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	6 Year Total	
US Dept. of Agriculture	USFS	Urban Lots		\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000	
	USFS	Acquisitions		\$1,300,000	\$1,550,000	\$1,550,000	\$1,550,000	\$1,550,000	\$7,500,000	
	USFS	WS Assessment		\$1,000,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,600,000	
	USFS	USFS Roads		\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$6,500,000	
	USFS	Washoe MOU			\$0				\$0	
	USFS	Meeks Meadow			\$25,000				\$25,000	
	USFS	Taylor Creek			\$150,000				\$150,000	
	USFS	Prescribed Burning			\$594,500	\$495,000	\$615,000	\$835,000	\$492,500	\$3,032,000
	USFS	Mechanical Treatments			\$2,358,200	\$2,535,000	\$2,600,000	\$2,600,000	\$2,600,000	\$12,693,200
	USFS/TRPA	FHCG			\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
	USFS	Cave Rock			\$120,000					\$120,000
	USFS	Fire History			\$30,000	\$65,000	\$30,000	\$30,000	\$0	\$155,000
	USFS	WS Rest. NFS			\$475,000	\$1,050,000	\$1,250,000	\$1,150,000	\$700,000	\$4,625,000
	USFS	portion of GIS			\$150,000	\$150,000	\$75,000	\$75,000	\$75,000	\$525,000
	Subtotal USFS Concerns			\$0	\$7,952,700	\$7,995,000	\$8,270,000	\$8,390,000	\$7,567,500	\$40,175,200
US Dept. of Agriculture	NRCS	Backyard Conservation		\$255,000	\$255,000	\$30,000	\$30,000	\$30,000	\$600,000	
Subtotal NRCS Concerns			\$0	\$255,000	\$255,000	\$30,000	\$30,000	\$30,000	\$600,000	
US Dept. of Defense	CORPS/TRPA	Trout Creek	\$100,000	\$600,000					\$700,000	
	CORPS/TRPA	WS Partnership	\$0	\$1,100,000					\$1,100,000	
Subtotal US DOD Concerns			\$100,000	\$1,700,000	\$0	\$0	\$0	\$0	\$1,800,000	
US Dept. of Interior	USGS	GIS		\$50,000	\$50,000	\$50,000			\$150,000	
	USGS	Other Research		\$415,000	\$390,000	\$260,000	\$60,000	\$0	\$1,125,000	
Subtotal USGS Concerns			\$0	\$465,000	\$440,000	\$310,000	\$60,000	\$0	\$1,275,000	

continued next page

A1 : ALL FEDERAL AGENCIES FINANCIAL SUMMARY
SIX YEAR TOTALS

continued from previous page

Department	Agency	Deliverable	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	6 Year Total
US Dept. of Transportation	USFS/DOT	SR 28	\$20,000						\$20,000
	USFS/DOT	Transit Center		\$1,000,000*					\$1,000,000
	DOT/EPA	Roads Master Plan	\$250,000	\$50,000					\$300,000
	DOT	Weather Station		\$75,000*					\$75,000
	DOT	portion of Transit Sys		\$1,250,000*					\$1,250,000
	DOT	Reno/Tahoe Airport	\$6,000,000						\$6,000,000
Subtotal US DOT Concerns			\$6,270,000	\$2,375,000	\$0	\$0	\$0	\$0	\$8,645,000
US Environmental Protection Agency	EPA	Threshold Monitoring	\$100,000	\$100,000					\$200,000
	EPA/CA/NV	Wetlands Restoration		\$200,000					\$200,000
	EPA/STPUD	Wastewater Pipeline		\$7,150,000				\$0	\$7,150,000
	EPA/UC DAVIS	Cooperation/States		\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000
	EPA/TRPA	Source Water Protect.	\$50,000						\$50,000
	EPA	Water Clarity Model	\$293,000	\$293,000	\$294,000				\$880,000
	EPA	Lk Tahoe - Lk Baikal		\$50,000					\$50,000
	EPA	Technical Staff Support		\$75,000					\$75,000
	EPA	Environmental Hotline		\$15,000					\$15,000
	EPA	Non-point Source		\$15,000					\$15,000
	EPA	portion of Transit Sys	\$1,250,000						\$1,250,000
Subtotal US EPA Concerns			\$1,593,000	\$7,813,000	\$309,000	\$15,000	\$15,000	\$15,000	\$9,760,000
US Postal Service	USPS	Mail Service Upgrade		\$250,000					\$250,000
Subtotal USPS Concerns			\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Grand Total, All Concerns			\$7,963,000	\$20,810,700	\$8,999,000	\$8,625,000	\$8,495,000	\$7,612,500	\$62,505,200

* Pending approval of the Surface Transportation re-authorization bill.

APPENDIX A2

USDA-FOREST SERVICE EBLIs- DETAILED BUDGET

USDA-FOREST SERVICE EBLIs- DETAILED BUDGET

A2 : USDA - FOREST SERVICE EBLIs - DETAILED BUDGET
FY98 DELIVERABLES

Fund Code	Urban Lots	Acquisitions	WS Assessment	USFS Roads	Washoe MOU	Meeks Meadow	Taylor Creek	Prescribed Burning	Mechanical Treatments	FHCG	Cave Rock	Fire History	WS Restoration NFS	GIS	Subtotals - USFS EBLIs	Totals - Deliverable Funds
NFEM			\$760,000												\$760,000	
NFRM						\$25,000	\$150,000			\$10,000	\$120,000			\$30,000	\$335,000	
NFWM															\$0	
NFHR															\$0	
NFWL	\$20,000							\$20,500		\$10,000					\$50,500	
NFIF															\$0	
NFAF															\$0	
NFTE								\$20,500		\$5,000					\$25,500	
NFRV															\$0	
NFRG															\$0	
NFTM									\$750,000	\$2,500				\$30,000	\$782,500	
NFFV															\$0	
NFSO	\$80,000		\$200,000					\$20,500		\$10,000				\$30,000	\$340,500	
NFSI				\$200,000									\$475,000		\$675,000	
NFMG															\$0	
NFLA	\$60,000	\$0								\$2,500					\$62,500	
NFLL	\$60,000														\$60,000	
NFRD			\$40,000	\$400,000										\$30,000	\$470,000	
NFFA															\$0	
NFLE	\$0														\$0	
NFGA															\$0	
NF (FIRE)														\$30,000	\$30,000	
Subtotal National Forest Service Funds																\$3,591,500
WFPR - PRESUP								\$428,000	\$1,048,200						\$1,476,200	
WFPR - MGMT	\$120,000									\$10,000		\$30,000			\$160,000	
Subtotal Fire/Fuels Management Funds																\$1,636,200
CNFA															\$0	
CNRF															\$0	
CNGP															\$0	
CNTM															\$0	
CNRN															\$0	
CNTR															\$0	
CN**				\$700,000											\$700,000	
Subtotal all Construction Funds																\$700,000
SPCF															\$0	
SPEP															\$0	
SPFH	\$40,000														\$40,000	
SPST															\$0	
Subtotal State & Private Forestry Funds																\$40,000
LALW - MGMT		\$300,000													\$300,000	
LALW - PURCH		\$1,000,000													\$1,000,000	
Subtotal Land Acquisition Funds																\$1,300,000

A2 : USDA - FOREST SERVICE EBLIs - DETAILED BUDGET
FY98 DELIVERABLES

Fund Code	Urban Lots	Acquisitions	WS Assessment	USFS Roads	Washoe MOU	Meeks Meadow	Taylor Creek	Prescribed Burning	Mechanical Treatments	FHCG	Cave Rock	Fire History	WS Restoration NFS	GIS	Subtotals - USFS EBLIs	Totals - Deliverable Funds
RBRB															\$0	
Subtotal Range Betterment Funds																\$0
BDBD								\$0							\$0	
BDBD - GA															\$0	
FDFD															\$0	
SSSS	\$20,000								\$280,000*						\$300,000	
SSSS-GA															\$0	
QMOM															\$0	
QMOM-GA															\$0	
RIRI															\$0	
RIRI-GA															\$0	
Subtotal Permanent Appropriations Funds																\$300,000
CWKV								\$105,000	\$140,000						\$245,000	
CWKV-GA															\$0	
Subtotal Knutson-Vandenburg Funds																\$245,000
CWFS															\$0	
CWFS-GA															\$0	
Subtotal Cooperative Work/ Other Funds																\$0
RTRT-RF															\$0	
RTRT-TS									\$140,000						\$140,000	
RTRT-GA															\$0	
Subtotal Reforestation Trust Funds																\$140,000
HWHW															\$0	
HTAE															\$0	
NFSA															\$0	
NFNF															\$0	
NFNF-GA															\$0	
FEFE															\$0	
GBGB															\$0	
GBGB-GA															\$0	
WCWC															\$0	
WCWC-GA															\$0	
Subtotal Burton-Sartini Funds (Erosion Control)																\$0
Total USFS Funds	\$400,000	\$1,300,000	\$1,000,000	\$1,300,000	\$0	\$25,000	\$150,000	\$594,500	\$2,358,200	\$50,000	\$120,000	\$30,000	\$475,000	\$150,000		\$7,952,700
									*cash request, not ceiling							

APPENDIX A3

DELIVERABLES FINANCIAL SUMMARY-BASE FUNDING BREAKDOWN

A3 : DELIVERABLES FINANCIAL SUMMARY BASE FUNDING BREAKDOWN

FEDERAL BASE FUNDING: Includes Lake Tahoe project funds, employee salaries, and directly associated overhead costs. Actual expenditures are greater since unrelated programs were not added into the base.

	1997 Base	1998 Base
US Department of Agriculture		
US Forest Service	\$2,868,000	\$2,695,000**
Natural Resources Conservation Service	\$170,000	\$170,000
US Department of Defense		
Army Corps of Engineers	\$100,000	\$0
US Department of the Interior		
US Geological Survey	\$297,000	\$297,000**
US Department of Transportation		
Federal Highway Authority	\$3,644,000	\$2,437,320***
US Environmental Protection Agency	\$8,225,000*	\$1,803,000***
US Postal Service		
	\$15,304,000	\$7,402,320

- * Comprised of mostly SRF (State funds) for Tahoe Re-Green Project (\$8,000,000 for 1997). 1998 base is the five-year average of EPA expenditures.
- ** Actual 1998 allocation
- *** Five year average

Summary

	1997	1998	Totals
Base	\$15,304,000	\$7,402,320	\$22,706,320
Deliverables	\$7,963,000	\$20,810,700	\$28,773,700
FY Total	\$23,267,000	\$28,213,020	\$51,480,020

APPENDIX A4

AGREEMENT OF FEDERAL DEPARTMENTS ON PROTECTION OF THE ENVIRONMENTAL AND ECONOMIC HEALTH OF THE LAKE TAHOE BASIN

AGREEMENT OF FEDERAL DEPARTMENTS AND AGENCIES ON
PROTECTION OF THE ENVIRONMENTAL
AND ECONOMIC HEALTH OF
THE LAKE TAHOE REGION

WHEREAS, President Clinton signed Executive Order 13057, "Federal Actions in the Lake Tahoe Region," on July 26, 1997, directing the Federal departments and agencies having principal management or jurisdictional authorities in the Lake Tahoe Region to establish a Federal Interagency Partnership on the Lake Tahoe Ecosystem to ensure that Federal agency actions are coordinated and operate to protect the extraordinary natural, recreational, and ecological resources in the Lake Tahoe Region and the economies that depend on them;

WHEREAS, Congress recognized in 1969 in Public Law 91-148, 83 Stat. 360, and then in 1980 in Public Law 96-551, 94 Stat. 3233, that there were special conditions and circumstances in the Lake Tahoe Region and that the waters and other resources of the Lake Tahoe Region were threatened with deterioration or degeneration, which required the establishment of an area-wide planning agency to maintain an equilibrium between the region's natural endowment and its human-made environment;

WHEREAS, Congress further recognized in 1980 in Public Law 96-586, 94 Stat. 3381, that the unique character of the Lake Tahoe Basin was of national significance and that special provisions were needed to be implemented to protect the environmental quality of the Lake Tahoe Basin;

WHEREAS, Lake Tahoe is a national treasure and a resource of worldwide significance;

WHEREAS, the people in the Lake Tahoe Region know that their successful economic future relies on the health of the environment; and

WHEREAS, the U.S. Departments of Agriculture, the Army, the Interior, and Transportation and the U.S. Environmental Protection Agency recognize this interdependence of economic and environmental sustainability in the Lake Tahoe Region;

NOW, THEREFORE, we, the undersigned Secretaries and Administrator of the participating Federal departments and agencies, commit ourselves to enhancing the environmental and economic health of the Lake Tahoe Region and further commit ourselves to working together and with the State, regional, and local governments and with the Washoe Tribe and other parties to achieve the actions directed by the President's Executive Order of July 26, 1997. Specifically, we agree to:

Partnerships: (1) work with the States of California and Nevada, the Washoe Tribe, and appropriate local government entities to achieve desired environmental thresholds for the Lake Tahoe Basin, and to enhance recreation, tourism, and other economic opportunities within the Region. These partnership

efforts are further defined in a multi-agency Memorandum of Agreement for the Lake Tahoe Region.

(2) encourage development of partnerships among governmental agencies and the private sector to augment the efforts undertaken by individual entities for the restoration and management of the Lake Tahoe ecosystem and the health of the local economy.

Coordination: (3) coordinate Federal programs, projects, and activities within the Lake Tahoe Basin, and to use consistent policies and strategies among all Federal agencies to address the Region's environmental and economic concerns.

(4) encourage Federal agencies within the Region to coordinate and share resource data, to avoid duplication of Federal efforts, and to eliminate inefficiencies in Federal actions to the greatest extent feasible.

Environmental Thresholds: (5) support and participate in programs and studies needed to identify and attain environmental thresholds for water quality, transportation, air quality, vegetation, soils, stream environment and restoration, wildlife habitat, fish habitat, scenic resources, recreation, and noise.

Clean Water: (6) support and participate in actions necessary to improve the water quality of Lake Tahoe through all appropriate means, including restoration and maintenance of shorelines, streams environment zones, and watersheds; protection of Lake designated uses; and control of airborne and other contaminants.

Forest Health: (7) support and participate in development of vegetative management actions necessary to attain a healthy Lake Tahoe Region, including a program of revegetation, road maintenance and obliteration, insect and disease management, and promotion of forest ecosystem health.

Transportation: (8) support and participate in programs and studies necessary to achieve transportation and air quality goals for the Lake Tahoe Region.

Habitat: (9) support and participate in fisheries and wildlife habitat restoration programs necessary to achieve habitat goals for the Lake Tahoe Region, including programs for threatened, uncommon, and endangered species.

Recreation & Tourism: (10) support and participate in development of and communication about recreational plans and programs, scenic quality improvement programs, and tourism opportunities in the Lake Tahoe Region.

- Washoe Tribe:** (11) support recognition for traditional and customary Washoe Tribal uses of, and for access to, Lake Tahoe.
- Research and Data Management:** (12) foster coordination of necessary scientific research and monitoring activities in the Lake Tahoe Region, and development of a common natural resource data base, including Geographic Information System (GIS) capability, in cooperation with regional and local colleges and universities.
- Public Involvement:** (13) support and participate in regional efforts to inform the public of the values of managing the Lake Tahoe Region to achieve environmental and economic goals, and to inform the public about what individuals, both resident and tourist, can do to contribute to successful achievement of these goals.
- (14) convene and facilitate public forums to provide opportunities for public involvement in solutions to the issues in the Lake Tahoe Region.

In order to establish the necessary coordinating mechanism to effectuate these goals, and to implement the Executive Order, the signatory Federal departments and agencies hereby establish this Federal Interagency Partnership. For the first year after its establishment, the Federal Interagency Partnership will be chaired by the Secretary of Agriculture. The Chair will be rotated among the members on an annual basis as determined by the Partnership.

The Secretaries and Administrator or their representatives shall meet at least annually to discuss progress on implementation of this agreement and to take such additional actions as may be necessary. The regional executives representing the Federal departments and agencies shall meet twice a year to discuss progress of implementing this agreement and to take such additional actions as may be necessary. These regional executives shall be representatives from the following Federal departments and agencies: U.S. Department of Agriculture, U.S. Department of the Interior, U.S. Department of Transportation, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, and other Federal departments and agencies as deemed appropriate by the Federal Interagency Partnership.

The Partnership shall be supported by a Tahoe Basin Executive Committee comprised of local managers of the Federal departments and agencies responsible for implementing the terms of this agreement. The Tahoe Basin Executive Committee shall:

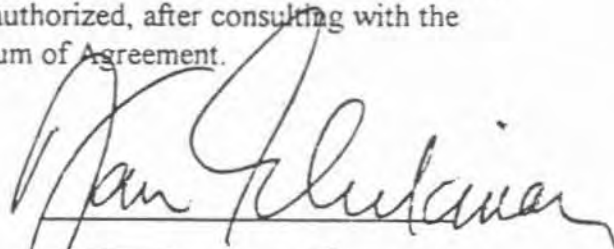
- (a) meet at least on a quarterly basis.
- (b) cooperate with the Lake Tahoe Basin Advisory Committee, an advisory committee, consisting of non-Federal representatives, to be established by USDA under the Federal Advisory Committee Act, which shall be used to advise them on implementing the terms of this Agreement and on other matters raised by the Committee.

- (c) notify the public of the meetings of the Tahoe Basin Executive Committee and of the twice-a-year regional executive meetings, each of which shall be open to the public.
- (d) By December 1, 1998, review and comment on the draft Environmental Improvement Program prepared by the Tahoe Regional Planning Agency and integrate appropriate Federal programs and funds to help achieve the goals of the Environmental Improvement Program.
- (e) be represented by the Chair of the Partnership in the Tahoe Regional Planning Agency's Environmental Improvement Program Partnership.

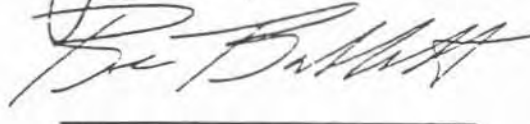
The Forest Supervisor of the USDA Lake Tahoe Basin Management Unit shall serve as the Chair of the Lake Tahoe Basin Executive Committee and shall provide the necessary staff support to the Tahoe Basin Executive Committee. The Tahoe Basin Management Unit shall also be responsible for arranging the regional executive meetings and for maintaining the Partnership's official records.

The Chair of the Partnership shall continually advise the President on the implementation of Executive Order 13057. This will take the form of an annual report to the President on the progress in the implementation of this agreement. The first report will be issued on or before September 30, 1998. The Chair of the Partnership is authorized, after consulting with the Partnership, to sign the Intergovernmental Memorandum of Agreement.

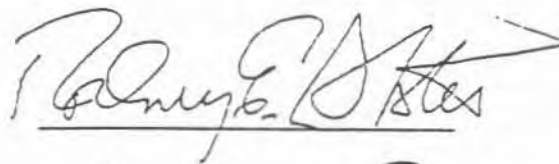
Secretary of Agriculture



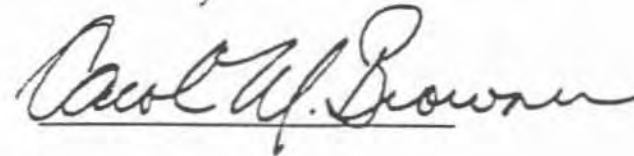
Secretary of the Interior



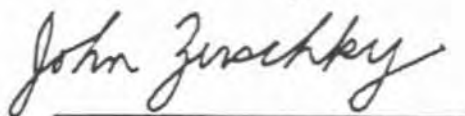
Secretary of Transportation



Administrator, Environmental Protection Agency



Assistant Secretary of the Army (Civil Works)



APPENDIX A5

EXECUTIVE ORDER (FEDERAL ACTIONS TO PROTECT LAKE TAHOE)

THE WHITE HOUSE

Office of the Press Secretary

For Immediate Release

July 26, 1997

EXECUTIVE ORDER

FEDERAL ACTIONS IN THE LAKE TAHOE REGION

By the authority vested in me as President by the Constitution and the laws of the United States of America, and in order to ensure that Federal agency actions protect the extraordinary natural, recreational, and ecological resources in the Lake Tahoe Region ("Region") (as defined by Public Law 91-148), an area of national concern, it is hereby ordered as follows:

Section 1. Tahoe Federal Interagency Partnership.

1-101. The Federal agencies and departments having principal management or jurisdictional authorities in the Lake Tahoe Region are directed to establish a Federal Interagency Partnership on the Lake Tahoe Ecosystem ("Partnership").

1-102. Members of the Partnership shall include the Secretary of Agriculture, the Secretary of the Interior, the Secretary of Transportation, the Administrator of the Environmental Protection Agency, the Secretary of the Army, and the heads of any other Federal agencies operating in the Region that choose to participate.

Representation on the Partnership may be delegated. The Partnership shall be chaired by the Secretary of Agriculture for the first year after its establishment. The Chair of the Partnership shall thereafter be rotated among the members on an annual basis.

1-103. The Partnership will:

(a) facilitate coordination of Federal programs, projects, and activities within the Lake Tahoe Region and promotion of consistent policies and strategies to address the Region's environmental and economic concerns;

(b) encourage Federal agencies within the Region to coordinate and share resources and data, avoid unnecessary duplication of Federal efforts, and eliminate inefficiencies in Federal action to the greatest extent feasible;

(c) ensure that Federal agencies closely coordinate with the States of California and Nevada and appropriate tribal or local government entities to facilitate the achievement of desired terrestrial and aquatic ecosystem conditions and the enhancement of recreation, tourism, and other economic opportunities within the Region;

(d) support appropriate regional programs and studies needed to attain environmental threshold standards for water quality, transportation, air quality, vegetation, soils (stream environment zone restoration), wildlife habitat, fish habitat, scenic resources, recreation, and noise;

(e) encourage the development of appropriate public, private, and tribal partnerships for the restoration and management of the Lake Tahoe ecosystem and the health of the local economy;

(f) support appropriate actions to improve the water quality of Lake Tahoe through all appropriate means, including restoration of

shorelines, streams, riparian zones, wetlands, and other parts of the watershed; management of uses of the lake; and control of airborne and other sources of contaminants;

(g) encourage the development of appropriate vegetative management actions necessary to attain a healthy Lake Tahoe ecosystem, including a program of revegetation, road maintenance, obliteration, and promotion of forest health;

(h) support appropriate regional transportation and air quality goals, programs, and studies for the Region;

(i) support appropriate fisheries and wildlife habitat restoration programs for the Region, including programs for endangered species and uncommon species;

(j) facilitate coordination of research and monitoring activities for purposes of developing a common natural resources data base and geographic information system capability, in cooperation with appropriate regional and local colleges and universities;

(k) support development of and communication about appropriate recreation plans and programs, appropriate scenic quality improvement

programs, and recognition for traditional Washoe tribal uses;

(l) support regional partnership efforts to inform the public of the values of managing the Lake Tahoe Region to achieve environmental and economic goals;

(m) explore opportunities for public involvement in achieving its activities; and

(n) explore opportunities for assisting regional governments in their efforts.

1-104. The Partnership will report back to the President in 90 days on the implementation of the terms of this order.

Sec. 2. Memorandum of Agreement.

2-201. The Partnership shall negotiate a Memorandum of Agreement with the States of California and Nevada, the Washoe Tribal Government, the Tahoe Regional Planning Agency, and interested local governments.

2-202. The Memorandum of Agreement shall be designed to facilitate coordination among the parties to the Agreement, and shall document

areas of mutual interest and concern and opportunities for cooperation, support, or assistance.

Sec. 3. General Provisions.

3-301. The Chair of the Partnership shall advise the President on the implementation of this order. The Chair may recommend other administrative actions that may be taken to improve the coordination of agency actions and decisions whenever such coordination would protect and enhance the Region's natural, ecological, and economic values.

3-302. Nothing in this order shall be construed to limit, delay, or prohibit any agency action that is essential for the protection of public health or safety, for national security, or for the maintenance or rehabilitation of environmental quality within the Region.

3-303. Nothing in this order is intended to create, and this order does not create, any right to administrative or judicial review, or any other right or benefit, substantive or procedural, enforceable by a party against the United States, its agencies or instrumentalities, its officers or employees, or any other person.

WILLIAM J. CLINTON

THE WHITE HOUSE,

July 26, 1997.

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A MEMORANDUM OF UNDERSTANDING
BETWEEN THE
STATE OF CALIFORNIA
AND THE
STATE OF NEVADA

WHEREAS, the Lake Tahoe basin is one of the most beautiful and scenic areas in the West, and its preservation is in the best interests of the people of California, Nevada, and the United States;

APPENDIX A6

WHEREAS, the natural and recreational resources of the Lake Tahoe basin are of great value to the people of California, Nevada, and the United States, and the preservation of these resources is in the best interests of the people of California, Nevada, and the United States;

MEMORANDUM OF UNDERSTANDING BETWEEN THE STATE OF CALIFORNIA
AND THE STATE OF NEVADA

WHEREAS, the Lake Tahoe basin is one of the most beautiful and scenic areas in the West, and its preservation is in the best interests of the people of California, Nevada, and the United States;

WHEREAS, the State of California and Nevada have entered into a compact to provide for the protection and preservation of the Lake Tahoe basin, and the people of California, Nevada, and the United States have agreed to support and enforce such compact;

WHEREAS, the people of California and Nevada have provided more than \$200 million to protect and manage the basin, and the people of California, Nevada, and the United States have agreed to support and enforce such compact;

WHEREAS, the State of California and Nevada have entered into a compact to provide for the protection and preservation of the Lake Tahoe basin, and the people of California, Nevada, and the United States have agreed to support and enforce such compact;

**A MEMORANDUM OF UNDERSTANDING
BETWEEN THE
STATE OF CALIFORNIA
AND THE
STATE OF NEVADA**

WHEREAS, the Lake Tahoe basin is one of the world's extraordinary natural features and is an ecological, biological, and aesthetic resource of great significance to the people of California, Nevada, and the United States;

WHEREAS, the natural and recreational attributes of Lake Tahoe are the foundation of the regional economy, and future prosperity is dependent upon the sustainable development of the Lake Tahoe basin and on continued progress in achieving a careful balance between conservation and economic goals;

WHEREAS, there exists among the citizens of the Lake Tahoe basin in both California and Nevada a unique and strong consensus on the need to aggressively and effectively manage and protect the natural assets of the Lake Tahoe basin; the partnership of public and private interests includes the environmental community, the local business community, and the recreation and gaming industries; and this partnership is exemplified by the Lake Tahoe Transportation and Water Quality Coalition;

WHEREAS, the States of California and Nevada since 1969 have been parties to a bi-state compact that pursues joint efforts to protect the quality and the clarity of Lake Tahoe's waters, control soil erosion, protect the forests of the basin, ensure the Lake's scenic beauty, provide recreational opportunities and public access to the Lake, restore streams and watersheds, improve transportation, and generally enhance the rich biodiversity of the region;

WHEREAS, the people of California and Nevada have provided more than \$200 million to protect and manage the natural resources of the Lake Tahoe basin since the bi-state compact was created in 1969, including the approval of \$10 million and \$20 million by the voters of California and Nevada, respectively, in 1996 alone;

WHEREAS, the States of California and Nevada, in close cooperation with the people and agencies of the Lake Tahoe basin and the native peoples of the region, have supported effective and innovative efforts at protection and management of the natural resources of Lake Tahoe through the work of many agencies of both States, local governments, and the United States;

WHEREAS, the Tahoe Regional Planning Agency has adopted nine thresholds for environmental quality, lake restoration and protection, and the carrying capacity of the Lake Tahoe basin; the thresholds are water quality, air quality, soil conservation, vegetation, fisheries, wildlife, scenic resources and community design, recreation, and noise; and the Agency has compiled a database of existing programs and projects designed to attain and maintain the thresholds;

WHEREAS, based on the thresholds and the database, the Tahoe Regional Planning Agency has proposed an Environmental Improvement Program for the long-term protection and management of the region's natural resources and economy;

WHEREAS, a renewed commitment to the bi-state compact between California and Nevada, the continuation of existing State and local programs, and pursuing the objectives of the Environmental Improvement Program remain the greatest opportunities for achieving both the long-term well-being of the natural resources and the economic growth of the Lake Tahoe basin;

BE IT THEREFORE RESOLVED,

THAT, the States of California and Nevada reaffirm their commitment to the bi-state compact, and to the sound management and protection of the Lake Tahoe basin's natural resources and the support of a healthy, sustainable economy through their respective State programs and policies;

THAT, the States of California and Nevada commit to working with the outstanding public-private partnerships that exists in the Lake Tahoe basin, including, but not limited to, the Tahoe Regional Planning Agency, the Lake Tahoe Transportation and Water Quality Coalition, and many Federal and local agencies;

THAT, the States of California and Nevada express their commitment to the attainment of the environmental thresholds for Lake Tahoe and to the development and implementation of an appropriate Environmental Improvement Program, and urge other members of the public-private partnerships to also make such commitments;

THAT, the States of California and Nevada commit especially to active involvement with our Federal partners, who will share with the States and local members of the partnership the implementation and funding of this effort;

THAT, the States of California and Nevada request the Tahoe Regional Planning Agency to be the lead agency in bringing together those parties needed to pursue implementation of the Environmental Improvements Programs; and

THAT, this Memorandum of Understanding is to be expeditiously transmitted to all appropriate parties, including the President of the United States, the United States Congress, the California and Nevada Legislatures, the local governments of the Lake Tahoe basin, Tahoe Regional Planning Agency, and the Lake Tahoe Transportation and Water Quality Coalition.

SIGNED

Pete Wilson

Governor of California

Bob Miller

Governor of Nevada

This 22nd day of July 19 97

At South Lake Tahoe, California

APPENDIX A7

MEMORANDUM OF AGREEMENT BETWEEN THE FEDERAL INTERAGENCY PARTNERSHIP ON THE LAKE TAHOE ECOSYSTEM, THE STATES OF CALIFORNIA AND NEVADA, THE WASHOE TRIBE OF CALIFORNIA AND NEVADA, THE TAHOE REGIONAL PLANNING AGENCY, THE CITY OF SOUTH LAKE TAHOE, CALIFORNIA, THE CITY AND COUNTY OF CARSON, NEVADA, THE COUNTIES OF PLACER AND ELDORADO, CALIFORNIA, AND THE COUNTIES OF WASHOE AND DOUGLAS, NEVADA

**A MEMORANDUM OF AGREEMENT
BETWEEN THE FEDERAL INTERAGENCY PARTNERSHIP
ON THE LAKE TAHOE ECOSYSTEM,
THE STATES OF CALIFORNIA AND NEVADA,
THE WASHOE TRIBE OF NEVADA AND CALIFORNIA, AND
THE TAHOE REGIONAL PLANNING AGENCY**

WHEREAS, on July 26, 1997, the President of the United States issued Executive Order 13057, "Federal Actions in the Lake Tahoe Basin," which, among other things, provided for the creation of a Federal Interagency Partnership on the Lake Tahoe Ecosystem, and directed that partnership "to negotiate a Memorandum of Agreement with the States of California and Nevada, the Washoe Tribal Government, the Tahoe Regional Planning Agency, and interested local governments...designed to facilitate coordination among the parties to the Agreement and...document areas of mutual interest and concern and opportunities for cooperation, support, or assistance";

WHEREAS, the Lake Tahoe Basin is one of the world's extraordinary natural features and is an ecological, biological, cultural, historical, and aesthetic resource of great significance to the people of California, Nevada, and the United States, as well as to its permanent residents and to its indigenous people, the Washoe Tribe of Nevada and California;

WHEREAS, the natural and recreational attributes of Lake Tahoe are the foundation of the regional economy, and the future prosperity of the region is dependent upon the sustainable development of the Lake Tahoe Basin and on continued progress in harmonizing conservation and economic goals;

WHEREAS, the United States Congress has consented to the adoption of the Tahoe Regional Planning Compact (P.L. 96-551) between the states of California and Nevada, which created the bistate Tahoe Regional Planning Agency and charged that agency with the adoption, achievement, and maintenance of environmental threshold carrying capacities for the region, as standards to assure the preservation and restoration of significant scenic, recreational, educational, scientific, and natural values of the region, and to maintain public health and safety within the region;

WHEREAS, the Tahoe Regional Planning Agency has proposed a draft Environmental Improvement Program setting forth the capital projects and other actions toward the achievement and maintenance of the thresholds it has established;

WHEREAS, the Tahoe Regional Planning Compact finds and declares that "Responsibilities for providing recreational and scientific opportunities, preserving scenic and natural areas, and safeguarding the public who live, work, and play in or visit the region are divided among local governments, regional agencies, the States of California and Nevada, and the Federal Government" and that "the Federal Government has an interest in the acquisition of recreational property and the management of resources in the region to preserve environmental and recreational values, and the Federal Government should assist the States in fulfilling their responsibilities";

WHEREAS, the States of California and Nevada have previously entered into a Memorandum of Understanding expressing their commitment to the attainment of the environmental thresholds for Lake Tahoe and to the development and implementation of an appropriate Environmental Improvement Program;

WHEREAS, there exists among the citizens of the Lake Tahoe Basin in both California and Nevada widely shared agreement on the measures and processes needed to protect the natural assets of the Lake Tahoe Basin, including the need for the adoption and implementation of an appropriate Environmental Improvement Program and the need for continued and expanded participation of public-private partnerships and consensus-building groups in the planning and implementation of environmental protection measures for Lake Tahoe;

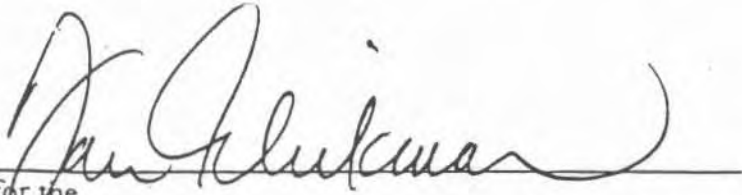
BE IT THEREFORE RESOLVED,

THAT, the signatories affirm their commitment to the Tahoe Regional Planning Compact, and to the sound management and protection of the Lake Tahoe Basin's natural resources and the support of a healthy, sustainable economy through their respective programs and policies;

THAT, the signatories express their commitment to the achievement and maintenance of environmental thresholds, cultural and historical values, and economic health for Lake Tahoe and to the adoption and implementation, of an appropriate Environmental Improvement Program;

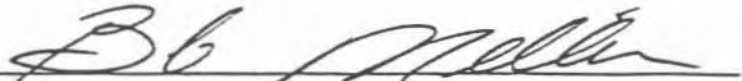
THAT, the signatories agree to cooperate with each other to pursue implementation, including funding, of an appropriate Environmental Improvement Program; and

THAT, the signatories affirm their commitment to continuing and expanding the participation of public-private partnerships and consensus-building groups in planning and implementing environmental protection measures for Lake Tahoe, including, but not limited to, the adoption, maintenance, funding and implementation of an appropriate Environmental Improvement Program.

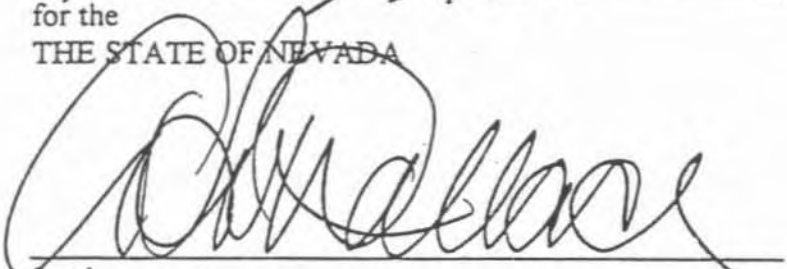


for the
FEDERAL INTERAGENCY PARTNERSHIP ON THE LAKE TAHOE ECOSYSTEM

for the
STATE OF CALIFORNIA



for the
THE STATE OF NEVADA



for the
THE WASHOE TRIBE OF NEVADA AND CALIFORNIA



for the
THE TAHOE REGIONAL PLANNING AGENCY