

Arizona Water Protection Fund FY 2011 Grant Application Review

Application # WPF0403 Applicant: 'Aha'khu Tribal Preserve

Title of Project: 12 mile Lake

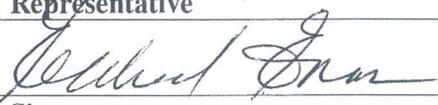
Additional materials were submitted with this application that could not be reproduced and distributed for review. These materials may be reviewed in person at the Arizona Water Protection Fund offices at (3550 N. Central Avenue, 2nd Floor, Phoenix). The additional materials available are the following:

 Maps
 Photographs
 Disk
 Other

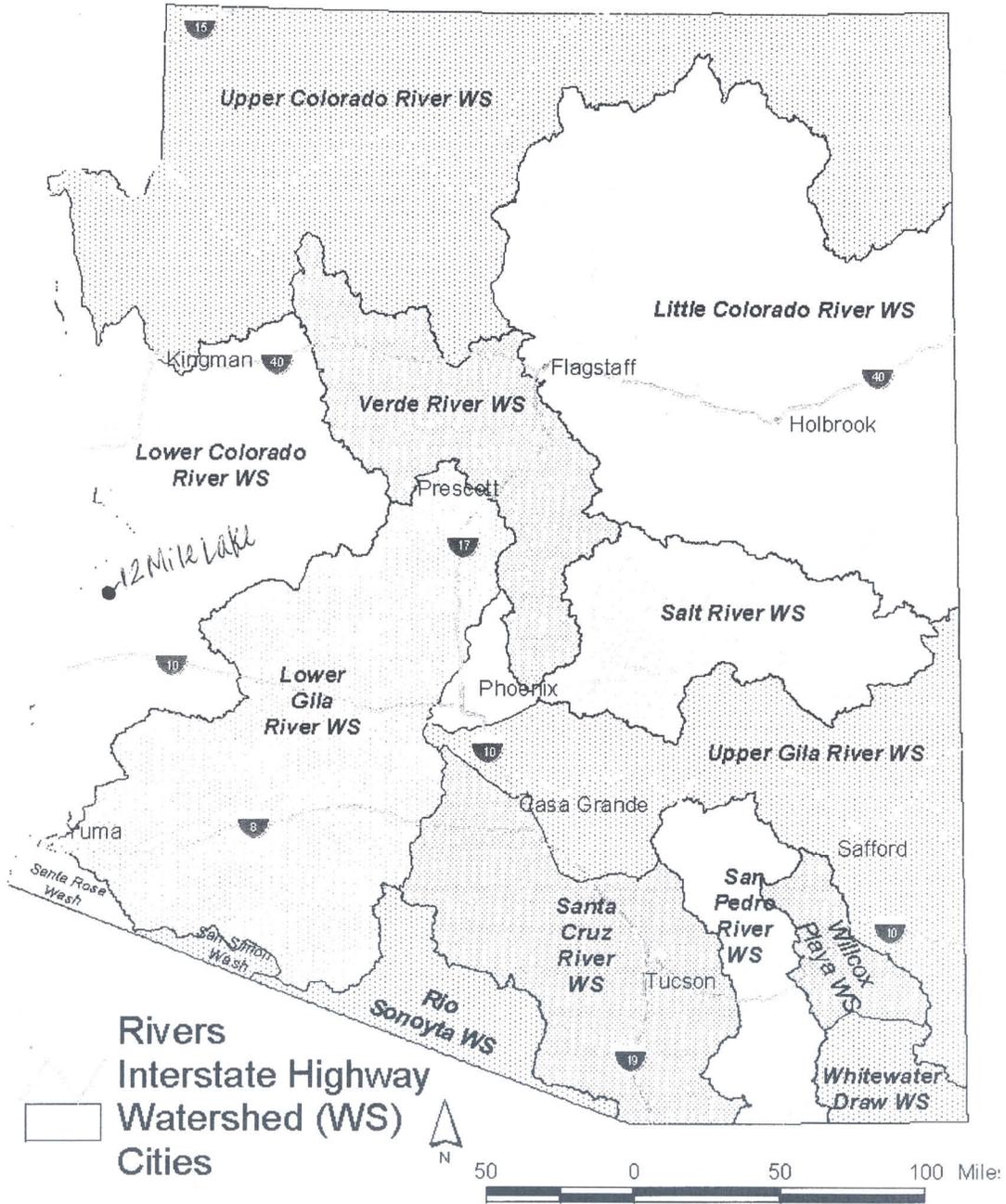
WPF0403

Arizona Water Protection Fund
Application Cover Page
FY 2011

Water Protection Fund

Title of Project: 12 Mile Lake											
Type of Project: <input type="checkbox"/> Capital or Other <input checked="" type="checkbox"/> Water Conservation <input type="checkbox"/> Research	Stream Type: <input checked="" type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral										
Your level of commitment to maintenance of project benefits and capital improvements: <input checked="" type="checkbox"/> < 5 years <input type="checkbox"/> 5-10 years <input type="checkbox"/> 11-15 years <input type="checkbox"/> 16-20 years											
Applicant Information: Name/Organization: 'Ahakhav Tribal Preserve Address 1: 26600 Mohave Road Address 2: City: Parker State: AZ ZIP Code: 85344 Phone: 928-669-2664 Fax: 928-669-8024 Tax ID No.: XXXXXXXXXX											
Inside an AMA: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, which AMA: <input type="checkbox"/> Phoenix <input type="checkbox"/> Tucson <input type="checkbox"/> Prescott <input type="checkbox"/> Pinal <input type="checkbox"/> Santa Cruz											
Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation											
Contact Person: Name: Jon Villalobos Title: Project Administrator Phone: 928-669-2664 Fax: 928-669-8024 e-mail: Jon.Villalobos@crit-nsn.gov											
Any Previous AWPf Grants: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, please provide Grant #(s): 96-0016WPF											
Arizona Water Protection Fund Grant Amount Requested: \$241,526.00 If the application is funded, will the Grantee intend to request an advance: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Matching Funds Obtained and Secured: <table border="1"> <thead> <tr> <th>Applicant/Agency/Organization:</th> <th>Amount (\$):</th> </tr> </thead> <tbody> <tr> <td>1. Applicant</td> <td>0.00</td> </tr> <tr> <td>2.</td> <td></td> </tr> <tr> <td>3.</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: right;">Total: 0.00</td> </tr> </tbody> </table>	Applicant/Agency/Organization:	Amount (\$):	1. Applicant	0.00	2.		3.		Total: 0.00	
Applicant/Agency/Organization:	Amount (\$):										
1. Applicant	0.00										
2.											
3.											
Total: 0.00											
Has your legal counsel or contracting authority reviewed and accepted the Grant Award Contract General Provisions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A											
Signature of the undersigned certifies understanding and compliance with all terms, conditions and specifications in the attached application. Additionally, signature certifies that all information provided by the applicant is true and accurate. The undersigned acknowledges that intentional presentation of any false or fraudulent information, or knowingly concealing a material fact regarding this application is subject to criminal penalties as provided in A.R.S. Title 13. The Arizona Water Protection Fund Commission may approve Grant Awards with modifications to scope items, methodology, schedule, final products and/or budget.											
Eldred Enas	CRIT Council Chairman, 928-669-1280										
Typed Name of Applicant or Applicant's Authorized Representative	Title and Telephone Number										
											
Signature	Date Signed 08/27/10										

Arizona Watershed Map FY 2011



Title of Project: 12 Mile Lake

**Project Location & Environmental Contaminant Information
FY 2011**

Project Location Information			
1. County: <u>La Paz</u>	2. Section: <u>24</u>	3. Township: <u>8N</u>	4. Range: <u>21W</u>
<p>5. Watershed: <u>Lower Colorado River WS</u></p> <p>6. 8 or 10 Digit Hydrologic Unit Code (HUC): <u>15030107</u></p> <p>7. Name of USGS Topographic Map where project area is located: <u>Parker SW, CALIF.-AZ</u></p> <p>8. State Legislative District: <u>27</u></p> <p>(Information available at: http://159.87.126.6/mapping/default2.asp?tname=Original.2009.Legislative.Map&org2009leg=on&service=ircmaps&init=true)</p> <p>9. Land ownership of project area: <u>Colorado River Indian Tribes</u></p> <p>10. Current land use of project area: <u>Recreation/Revegetation Site</u></p> <p>11. Size of project area (in acres): <u>83 acres</u></p> <p>12. Stream Name: <u>12 Mile Lake (remnant slough from Colorado River)</u></p> <p>13. Length of stream through project area: <u>1 mile</u></p> <p>14. Miles of stream benefited: <u>1 miles</u></p> <p>15. Acres of riparian habitat: <u>12.5 acres</u> will be:</p> <p style="margin-left: 300px;"> <input checked="" type="checkbox"/> Enhanced <input type="checkbox"/> Maintained <input type="checkbox"/> Restored <input type="checkbox"/> Created </p>			
<p>16. Provide directions to the project site from the nearest city or town. List any special access requirements: <u>Travel south-southwest on Mohave Road from Parker, Arizona. 12 mile lake is on west side of road approximately 13 miles southwest of town.</u> </p>			
Environmental Contaminant Location Information			
<p>1. Does your project site contain known environmental contaminants? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants:</p> <p>2. Are there known environmental contaminants in the project vicinity? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants:</p> <p>3. Are you asking for Arizona Water Protection Fund monies to identify whether or not environmental contaminants are present? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>			

STATE HISTORIC PRESERVATION OFFICE Review Form

In accordance with the State Historic Preservation Act (SHPO), A.R.S. 41-861 *et seq.*, effective July 24, 1982, each State agency must consider the potential of activities or projects to impact significant cultural resources. Also, each State agency is required to consult with the State Historic Preservation Officer with regard to those activities or projects that may impact cultural resources. Therefore, it is understood that **recipients of state funds are required to comply with this law** throughout the project period. All projects that affect the ground-surface that are funded by AWPf require SHPO clearance, **including those on private and federal lands.**

The State Historic Preservation Office (SHPO) must review each grant application recommended for funding in order to determine the effect, if any, a proposed project may have on archaeological or cultural resources. To assist the SHPO in this review, the following information **MUST** be submitted with each application for funding assistance:

- A completed copy of this form, and
 - A United States Geological Survey (USGS) 7.5 minute map
 - A copy of the cultural resources survey report if a survey of the property has been conducted, and
 - A copy of any comments of the land managing agency/landowner (i.e., state, federal, county, municipal) on potential impacts of the project on historic properties.
- NOTE: If a federal agency is involved, the agency must consult with SHPO pursuant to the National Historic Preservation Act (NHPA); a state agency must consult with SHPO pursuant to the State Historic Preservation Act (SHPA),
- OR**
- A copy of SHPO comments if the survey report has already been reviewed by SHPO.

Please answer the following questions:

1. Grant Program: Arizona Water Protection Fund
2. Project Title: 12 Mile Lake
3. Applicant Name and Address: 'Ahakhav Tribal Preserve, 26600 Mohave Road, Parker, AZ, 85344
4. Current Land Owner/Manager(s): Colorado River Indian Tribes
5. Project Location, including Township, Range, Section: T8N, R21W, Section 24
6. Total Project Area in Acres (or total miles if trail): 83 acres
7. Does the proposed project have the potential to disturb the surface and/or subsurface of the ground? YES NO
8. Please provide a brief description of the proposed project and specifically identify any surface or subsurface impacts that are expected: Enhancing 12 Mile Lake, located 13 miles southwest of Parker, Arizona, with 2.5 mile trail that will include 6 benches and 5 fitness stations, 17 acre sustainable mesquite woodland and 4 ramadas with picnic tables. Surface impacts will include 4 concrete bases for ramadas, 2.5 mile trail establishment and the planting of 7,500 mesquite trees.

9. Describe the condition of the current ground surface within the entire project boundary area (for example, is the ground in a natural undisturbed condition, or has it been bladed, paved, graded, etc.). Estimate horizontal and vertical extent of existing disturbance. Also, attach photographs of project area to document condition: Ground surface has been disced and bladed. Areas within the project boundary have been revegetated with approximately 100 mesquite trees per acre.

10. Are there any known prehistoric and/or historic archaeological sites in or near the project area?
 YES NO

11. Has the project area been previously surveyed for cultural resources by a qualified archaeologist?
 YES NO UNKNOWN

If YES, submit a copy of the survey report. Please attach any comments on the survey report made by the managing agency and/or SHPO

12. Are there any buildings or structures (including mines, bridges, dams, canals, etc.), which are 50-years or older in or adjacent to the project area? YES NO

If YES, complete an Arizona Historic Property Inventory Form for each building or structure, attach it to this form and submit it with your application.

13. Is your project area within or near a historic district? YES NO

If YES, name of the district:

Please sign on the line below certifying all information provided for this application is accurate to the best of your knowledge.

Eldred Enas /Date 08/27/10
Applicant Signature

ELDRÉD ENAS
Applicant Printed Name

FOR SHPO USE ONLY

SHPO Finding:

- Funding this project will not affect historic properties.
 Survey necessary – further GRANTS/SHPO consultation required (*grant funds will not be released until consultation has been completed*)
 Cultural resources present – further GRANTS/SHPO consultation required (*grant funds will not be released until consultation has been completed*)

SHPO Comments

For State Historic Preservation Office:

Date:

Proposal for Arizona Water Protection Fund

12 Mile Lake



Submitted by:
'Ahakhav Tribal Preserve
Colorado River Indian Tribes
Parker, Arizona
Jon Villalobos
Project Administrator
August 10, 2010



Executive Summary

The 'Ahakhav Tribal Preserve requests \$235,760.60 for one woodland revegetation and riparian improvement project. Funds will be used to enhance an area known as 12 Mile Lake, a 83 acre site containing a 12.5 acre riparian slough, by creating a 17 acre mesquite woodland and a 2.5 mile fitness trail, and updating the site's facilities. The project site is located along Mohave Road approximately 3 miles north of the community of Poston and within the Colorado River Indian Tribes' (CRIT) Reservation. Request for monies for site preparation, plant propagation, planting, irrigation, trail creation and structural improvements are included within the proposal.

Project Overview

The 12 Mile Lake Restoration Project was initiated in Fiscal Year 2004 as a riparian restoration project through funding provided by the U.S. Environmental Protection Agency (EPA) through the provisions of Section 319 (h) of the Clean Water Act. Twelve Mile Lake (Figure 1), a remnant of a former channel of the Colorado River, is a water body approximately one mile long and 200-500 feet wide with an associated riparian area of about 160 acres. The water sources for the lake are groundwater inflow/seepage augmented by inflow from a CRIT irrigation canal. The project area is located within the floodplain of the Colorado River about thirteen miles southwest of Parker, AZ within the Colorado River Indian Reservation.

The site has cultural significance and is an important area for recreational fishing and other outdoor activities. The initial site assessment indicated lake and associated habitat degradation due to unvegetated, steep banks promoting excessive sedimentation and invasion of associated habitat by the non-native saltcedar (*Tamarisk* spp.). Saltcedar is a highly invasive plant species that tends to outcompete native plant species to form dense saltcedar monocultures with high water demands. Only minor amounts of native tree species were present on site at the time of project initiation. This site was listed as the number one restoration project in the *Unified Watershed Assessment for the Colorado River Indian Reservation*. Since 2005, two phases of revegetation have taken place. Where soil salinity was lowest and depth to groundwater was <8 feet, cottonwood and willow trees were planted. Mesquite was planted in other areas due to a higher soil salinity tolerance and not requiring a shallow water table.

The goals of the project are to enhance 12 Mile Lake by improving the site's recreational opportunities and creating a mesquite woodland that will act as a buffer for the riparian area. We endeavor to attain this goal by achieving the following objectives:

- (1) Replace existing, dilapidated structures with new, durable facilities.
- (2) Establish a nature/fitness trail encircling the lake.
- (3) Add picnic tables and benches.
- (4) Create a 17-acre, sustainable mesquite (*Prosopis glandulosa*) woodland.

The current state of 12 Mile Lake does not fully protect this water body and does not utilize the area's potential for providing the community with an enjoyable space for outdoor recreation. Restoration planting (Figure 3) occurred around the lake by CRIT's Environmental Protection Office in 2007 on the west bank (Phase I) and in 2009 on the east bank (Phase II). During

2009, a supplemental planting added 300 mesquite trees to the west bank. The existing revegetation areas contain approximately 100 trees per acre and must be hand watered using a water bubble. The proposed mesquite woodland revegetation at the north end of the east bank (Figure 8) would contain 435 trees per acre. Knowledge and experience acquired from the Preserve's previous projects supports that this tree density is ideal for creating the ideal canopy for weed prevention, habitat suitability, soil stability and water protection.

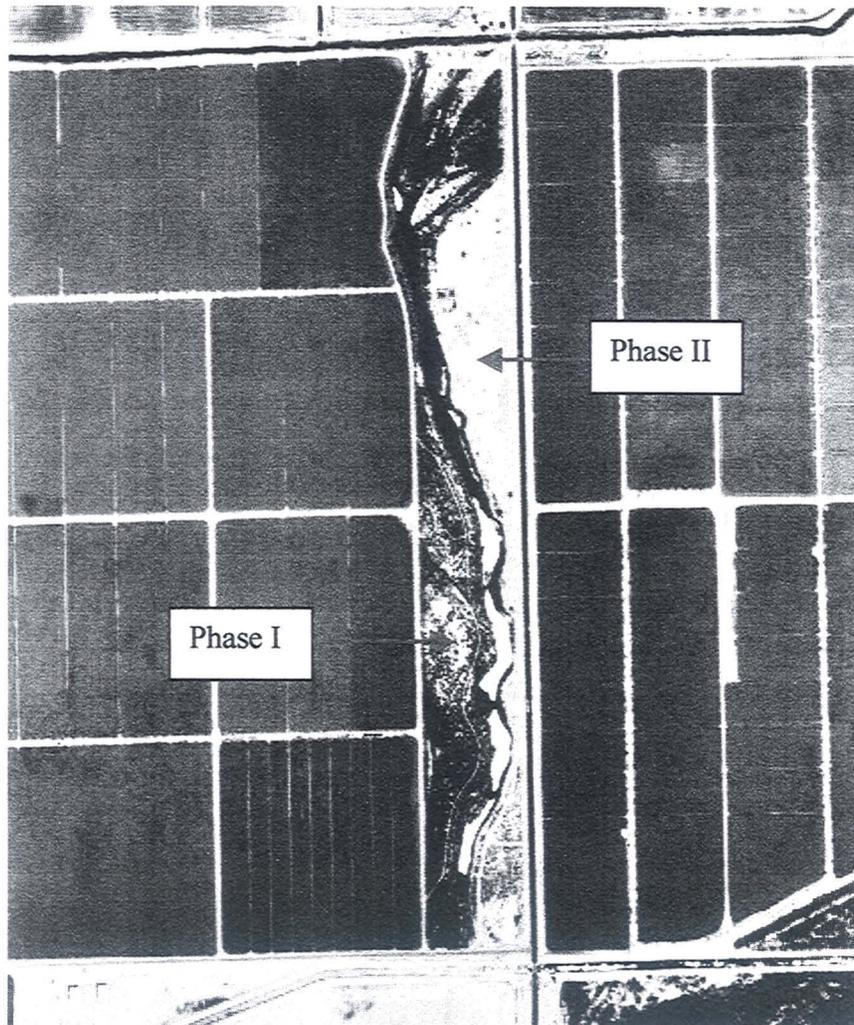


Figure 1. Phases of revegetation completed by CRIT Environmental Protection Office.

In addition, the proposed drip irrigation system (Figures 2 and 3) for the proposed 17 acre revegetation site reduces the burden of frequent maintenance beyond project completion and would utilize approximately 4-6 inches of water per acre per year from the water source (12 Mile Lake).



Figure 2. Pump and filter station.



Figure 3. Dripline Irrigation.

The existing developments consist of 2 deteriorating ramadas and 1 picnic table (Figure 4), 1 portable restroom (Figure 5), and a clearing along the water's edge for launching fishing boats. Improvements to 12 Mile Lake will utilize the site's full potential, providing the community, notably Poston residents and MoChemHoNa Senior Center visitors, with an outdoor recreation site to enjoy. In addition, establishing a successful recreational site will help ensure future protection of 12 Mile Lake from other land use entities.

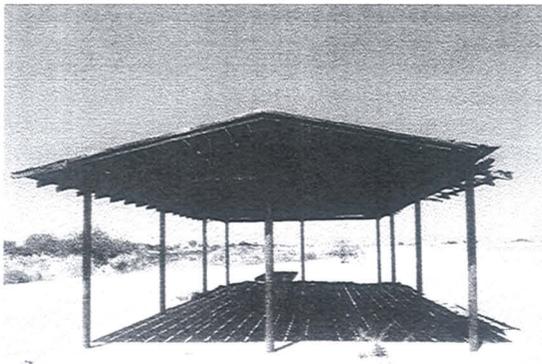


Figure 4. Existing ramada facing north.

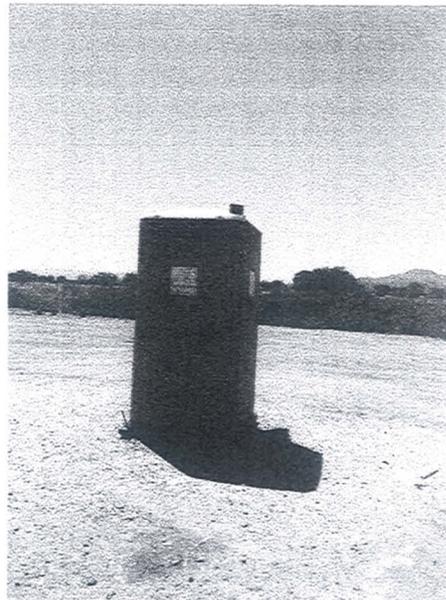


Figure 5. Existing restroom facing southwest.

Transforming 12 Mile Lake into a functional, multi-use area, will involve a few, striking improvements. The current ramadas will be replaced with more durable structures. Two additional ramadas will be added for a total of four, similar to those at the 'Ahakhav Tribal

Preserve (Figure 6). Additionally, picnic tables will be added under each ramada. The existing restroom facility will be removed in exchange for a low maintenance, vault toilet building (Figure 7). A trail, approximately 2.5 miles in length, winding through the revegetation sites and around the lake will have benches and also include exercise stations targeted toward the health of people age 50 and over to specifically benefit the community visitors of the site's neighboring Senior Center.



Figure 6. Example of proposed ramada additions.



Figure 7. Example of proposed restroom.

12 Mile Lake

Prepared August 2010

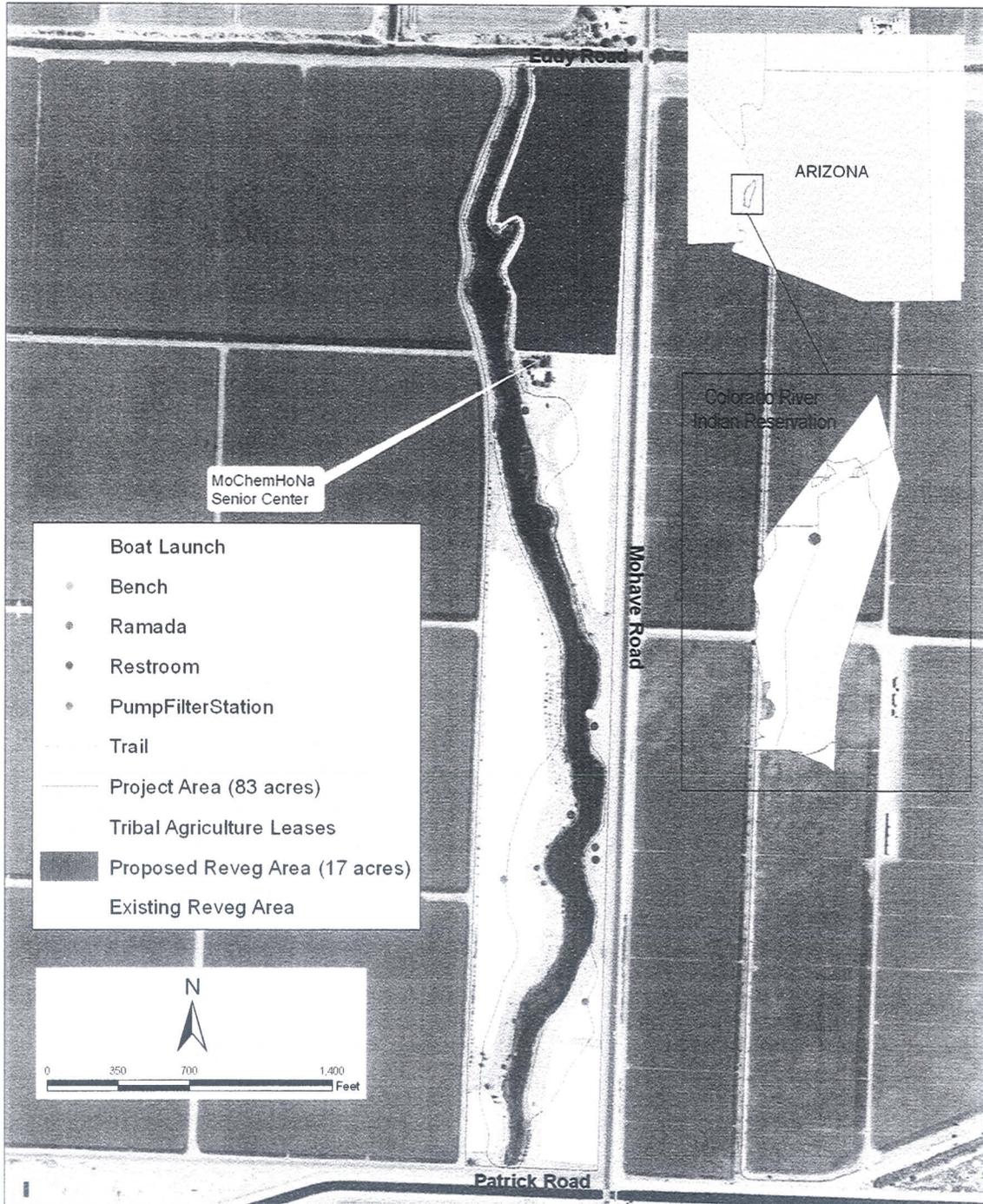


Figure 8. 12 Mile Lake Improvement Map

Budget Information

Project Summary

Item Description	Totals
Invasive Species Control-Mechanical	2,050.00
Native Species Propagation	13,341.60
Revegetation	31,600.00
Supplies & Equipment	157,894.00
Equipment Installation	30,875.00
Budget Totals:	\$235,760.60

Project Details

Invasive Species Control-Mechanical		\$/Unit	Units	Proposed
Supplies	Garlon (6 Qts./Acre) 50% of Rate	\$90.00 /Ga.	10 Gallons	900.00
Supplies	Round Up/Glyphosate (8 Qts./Acre)	\$25.00 /Ga.	34 Gallons	850.00
Supplies	Vegetable Oil (2.5:1 Ratio Oil:Garlon)	\$10.00 /Ga.	30 Gallons	300.00
				\$2,050.00
Native Species Propagation		\$/Unit	Units	Proposed
Contract Services	Tree Propagation 1-Ga. Pots	\$1.80 /Unit	7,412 Trees	13,341.60
				\$13,341.60
Revegetation		\$/Unit	Units	Proposed
Contract Services	Drip line installation(5) 10 Hr. work day	\$425.00 /Day	10 Days	4,250.00
Contract Services	Planting(5) 10 Hr. work day	\$425.00 /Day	10 Days	4,250.00
Equipment Rental	Drip Irrigation System	\$800.00 /Acre	17 Acre(s)	13,600.00
Supplies	Irrigation Pump	\$9,500.00 /Unit	1 Each	9,500.00
				\$31,600.00
Supplies & Equipment		\$/Unit	Units	Proposed
Supplies	Restroom	\$39,950.00 /Unit	1 Each	39,950.00
Supplies	Trail - Exercise Equipment	\$26,140.00 /Unit	1 Each	26,140.00
Supplies	Trail - Base Material	\$12.00 /Unit	1,800 Tons	21,600.00
Supplies	Trail - 3/4" Rock	\$9.50 /Unit	1,400 Tons	13,300.00
Supplies	6' Bench	\$253.00 /Unit	6 Each	1,518.00
Supplies	8' Picnic Table	\$510.00 /Unit	8 Each	4,080.00
Supplies	6' Picnic Table	\$460.00 /Unit	6 Each	2,760.00
Supplies	Ramada 16' x 24'	\$6,912.00 /Unit	2 Each	13,824.00
Supplies	Ramada 20' x 44'	\$14,081.00 /Unit	2 Each	28,162.00
Supplies	Concrete Footing (4/ramada)	\$1,640.00 /Unit	4 Each	6,560.00
				\$157,894.00
Equipment Installation		\$/Unit	Units	Proposed
Supplies	Demolition & Removal Labor(5)	\$425.00 /Day	8 Days	3,400.00
Contract Services	Trail Labor(4) 10 Hr. work day	\$340.00 /Day	10 Days	3,400.00
Contract Services	Ramada & Trail Equip. Install.	\$24,075.00 Flat Rate	1 Flat Rate	24,075.00
				\$30,875.00

The 'Ahakhav Tribal Preserve and the Colorado River Indian Tribes will contribute the following to aid the 12 Mile Lake project:

- Tree transport (trailer and truck)
- Labor transport and fuel (2 trucks)
- Miscellaneous tools
- Caterpillar 416D Backhoe
- Water wagon
- Scraper
- John Deere tractor
- Greenhouse and utilities for mesquite tree propagation
- Soil sampling
- Monitoring of water source (Slough & Irrigation)
- Long term Pump and filter station maintenance

Scope of Work

Task 1: Tribal Resolution

Task Description: The Grantee shall obtain a Tribal Resolution from Colorado River Indian Tribes to complete the tasks listed in this scope of work.

Task Purpose: To obtain legal access to 12 Mile Lake project area.

Deliverable Description: CRIT Tribal Resolution.

Deliverable Due Date: Completed

Reimbursable Cost: \$0

Task 2: Existing Structure Demolition

Task Description: Remove deteriorating ramadas, including concrete foundations. This requires 3 laborers for 10 8-hour days, one backhoe for concrete base removal and a trash removal fee.

Task Purpose: Clear site for new ramada installation.

Deliverable Description: Photographs of process and completed result.

Deliverable Due Date: Prior to new structure installation.

Reimbursable Cost: \$3,400

Task 3: Irrigation System Installation

Task Description: Install drip line, piping and pump filter station. This requires 4 laborers for 15 8-hour days,

Task Purpose: Establish low maintenance irrigation system for 17 acre revegetation site.

Deliverable Description: Photographs of completed irrigation system accompanied by associated receipts and invoices.

Deliverable Due Date: Prior to revegetation planting and trail establishment.

Reimbursable Cost: \$31,600

Task 4: Trail Establishment

Task Description: Lay 2.5 miles of both base material and ¾" rock for 8 foot wide trail. This requires 2 laborers for 27 8-hour days, 1800 tons of base material and 1400 tons of ¾" rock for 133 truck loads total.

Task Purpose: Establish trail prior to revegetation planting and structure installation.

Deliverable Description: Photographs of completed trail accompanied by associated receipts and invoices.

Deliverable Due Date: Prior to new structure installation and revegetation planting.

Reimbursable Cost: \$38,300

Task 5: Structure Installation

Task Description: Contracted through Dave Bang, Inc., ramadas, fitness equipment, benches and picnic tables will be installed.

Task Purpose: Install ramadas, trail fitness equipment and benches prior to revegetation planting.

Deliverable Description: Photographs of completed projects accompanied by associated receipts and invoices.

Deliverable Due Date: Prior to revegetation planting.

Reimbursable Cost: \$107,119

Task 6: Restroom Installation

Task Description: Contracted through Restroom Solutions, Inc., double sided restroom building will be installed.

Task Purpose: Install restroom prior to revegetation planting.

Deliverable Description: Photographs of completed restroom building accompanied by associated receipts and invoices.

Deliverable Due Date: Prior to project final report.

Reimbursable Cost: \$39,950

Task 7: Revegetation Planting and Monitoring

Task Description: Plant approximately 7,500 mesquite trees in a 17 acre area within the northeastern portion of the project boundary and monitor for survival.

Task Purpose: Planting trees will be the final on-site task prior to the final report and survival monitoring will continue beyond project completion.

Deliverable Description: Photographs and maps of revegetation area accompanied by associated receipts and invoices and reports on plant health.

Deliverable Due Date: Prior to project final report.

Reimbursable Cost: \$13,341.60

Task 8: Invasive Species Control

Task Description: Monitor and remove invasive species from revegetation site using manual removal and herbicides.

Task Purpose: Ongoing beyond project completion.

Deliverable Description: Photographs of process accompanied by associated receipts and invoices.

Deliverable Due Date: Reporting as needed.

Reimbursable Cost: \$2,050

Task 9: Final Report

Task Description: Submit detailed report noting accomplished tasks and any future site plans including maintenance.

Task Purpose: Demonstrate project completion.

Deliverable Description: Report that includes final project photographs, receipts, invoices, and budget.

Deliverable Due Date: Upon project completion.

Reimbursable Cost: \$0

Organization Information

Since 1995, the 'Ahakhav Tribal Preserve has transformed dry, sandy land along the Lower Colorado River into a 1,250 acre riparian ecological preserve that provides habitat for numerous species, including some listed as threatened or endangered. The success of the Preserve is attributed to its knowledgeable staff that has experience in all tasks proposed for the 12 Mile Lake project.

In addition, the 'Ahakhav Tribal Preserve's staff is experienced in developing and maintaining an outdoor recreation site. This is evident by the success and popularity of the Preserve's 3-acre park. The Preserve's park area is used extensively by the local communities of Parker and the Colorado River Indian Reservation (CRIR). The Ahamacave Trail and Willow Beach are examples of how the improvements proposed for 12 Mile Lake will provide opportunities for low impact recreation, ecotourism and community support for the project and ultimate success.

Dave Bang, Inc of Mesa, Arizona will be contracted to install the five trail fitness stations. Dave Bang, Inc. is one of the top producers for the manufacturers of playground equipment, site furnishings, ramadas and safety surfacing in California, Arizona and Nevada. The 'Ahakhav Tribal Preserve has worked with Dave Bang, Inc. on past projects and delivers highly favorable results.

Conclusion

The proposed enhancements will establish 12 Mile Lake as a multi-use site that will protect the existing riparian habitat. Additional plantings of honey mesquite trees will protect the lake from sedimentation through soil stabilization. The 17 acre revegetation site will also create additional habitat for native flora and fauna and provide a stopping point for the migratory birds traveling through the Colorado River corridor in an area dominated by agriculture fields.

This project will greatly benefit the Colorado River Indian Tribes and the local communities. Improving the 12 Mile Lake site will enhance the area for fishermen, families, and senior citizens to enjoy a tranquil outdoor setting that is close and accessible, as well as provide a destination for many others who are traveling through the Colorado River Indian Reservation on Mohave Road.

Additional Site Photographs

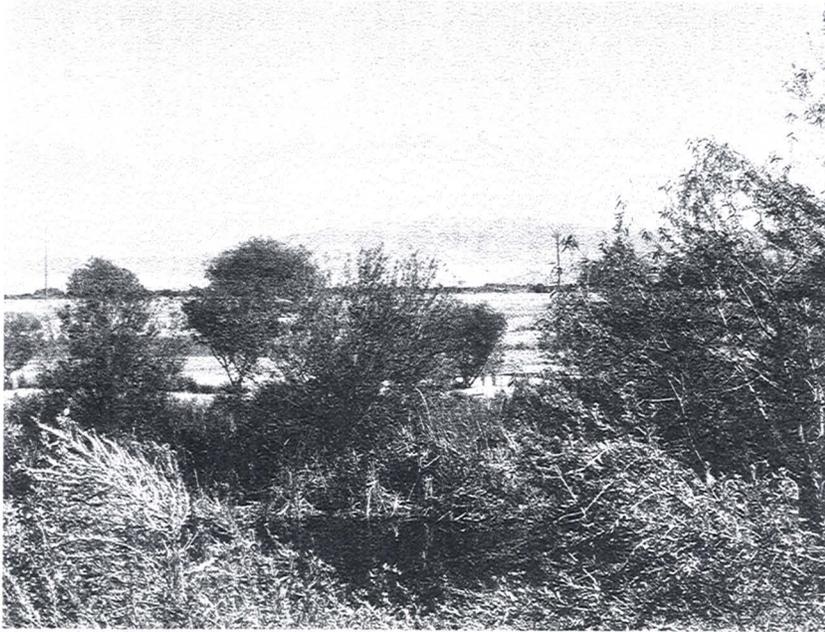


Photo 1: 12 Mile Lake and existing vegetation. View is facing west.

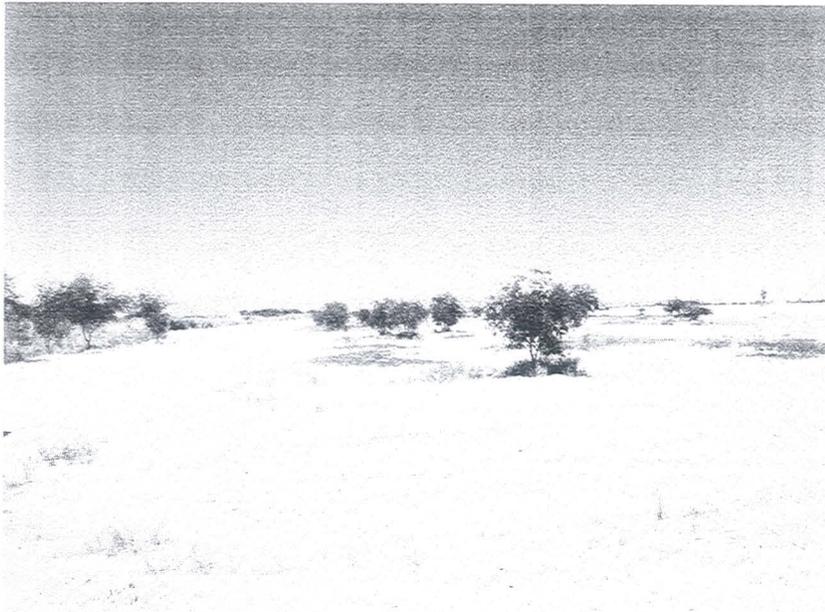


Photo 2: 12 Mile Lake east bank revegetation (Phase II) planted by CRIT Environmental Protection Office in 2007. View is facing north from south end of site.

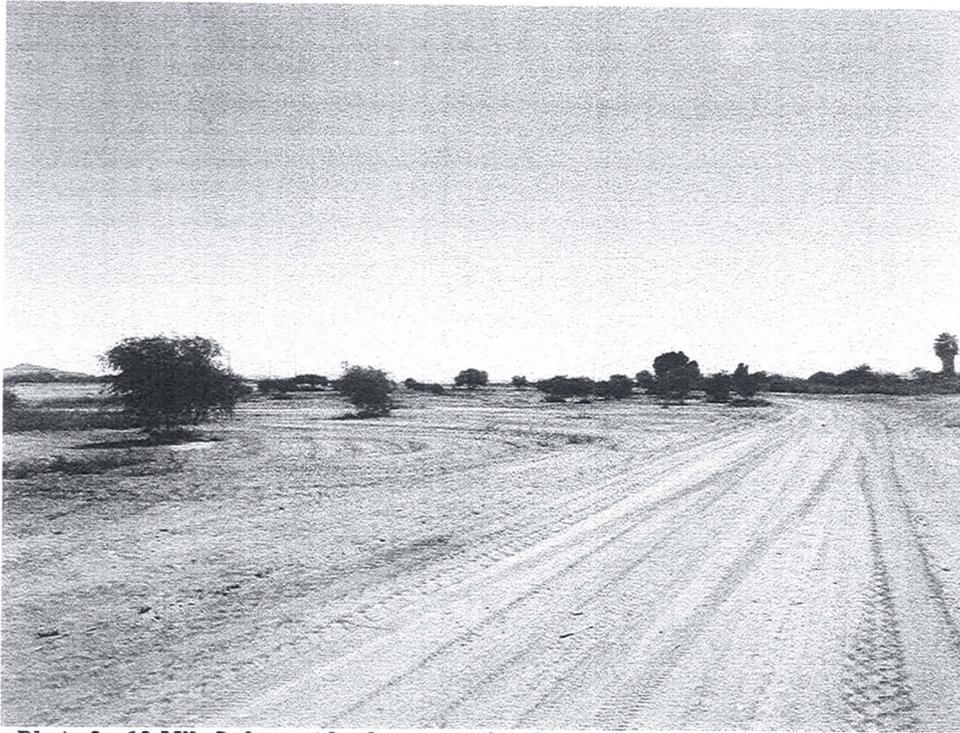


Photo 3: 12 Mile Lake west bank revegetation (Phase I) planted by CRIT Environmental Protection Office in 2005. View is facing north-northwest.



Photo 4: 12 Mile Lake from southern end. View is facing north.



Photo 5: View of 12 Mile Lake from east bank facing southwest.



Photo 6: View of east bank revegetation (Phase II) facing northeast.

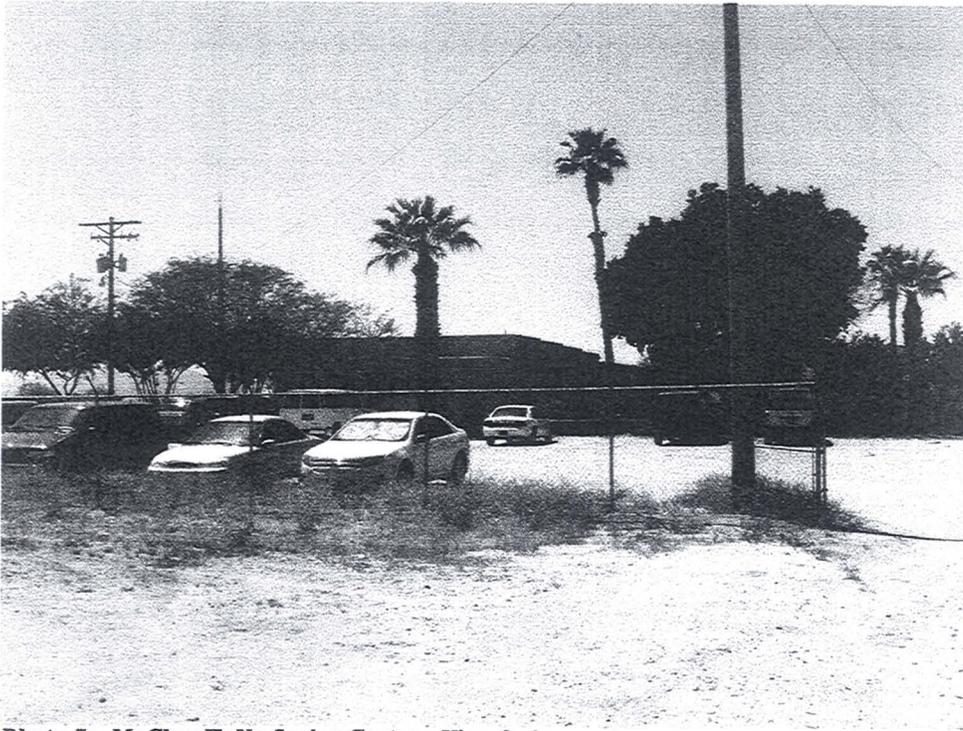


Photo 7: MoChemHoNa Senior Center. View facing west.

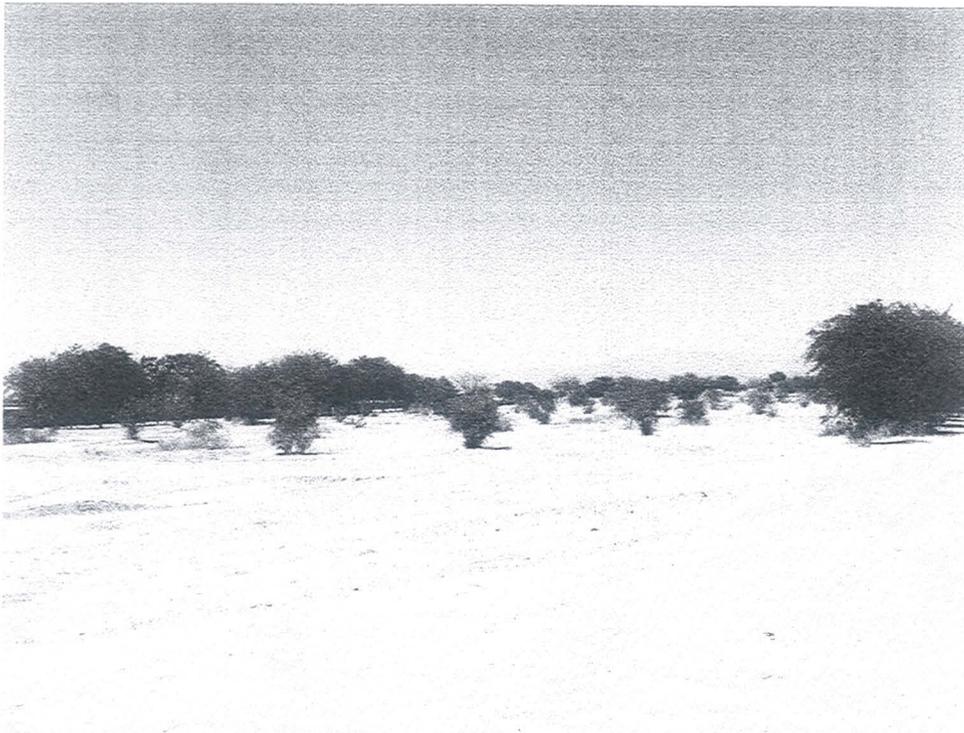


Photo 8: East bank revegetation (Phase II) facing northwest.

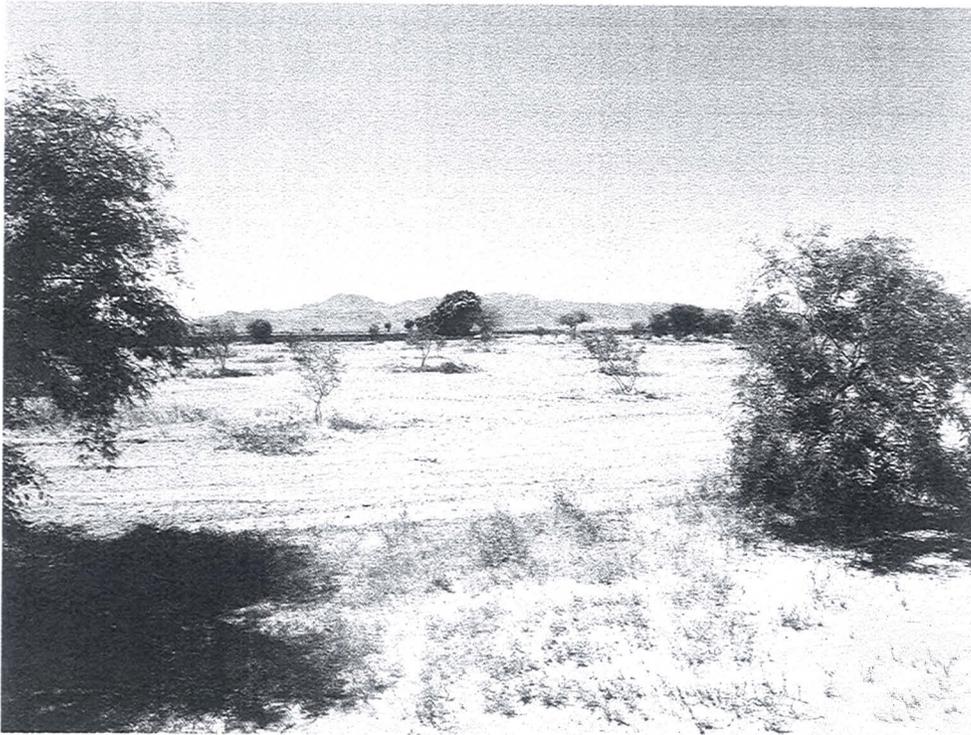


Photo 9: Mesquite trees planted in 2009 by CRIT Environmental Protection Office on the west bank of 12 Mile Lake. View is facing west.



Photo 10: 12 Mile Lake from southern end on the west bank. View is facing northwest.

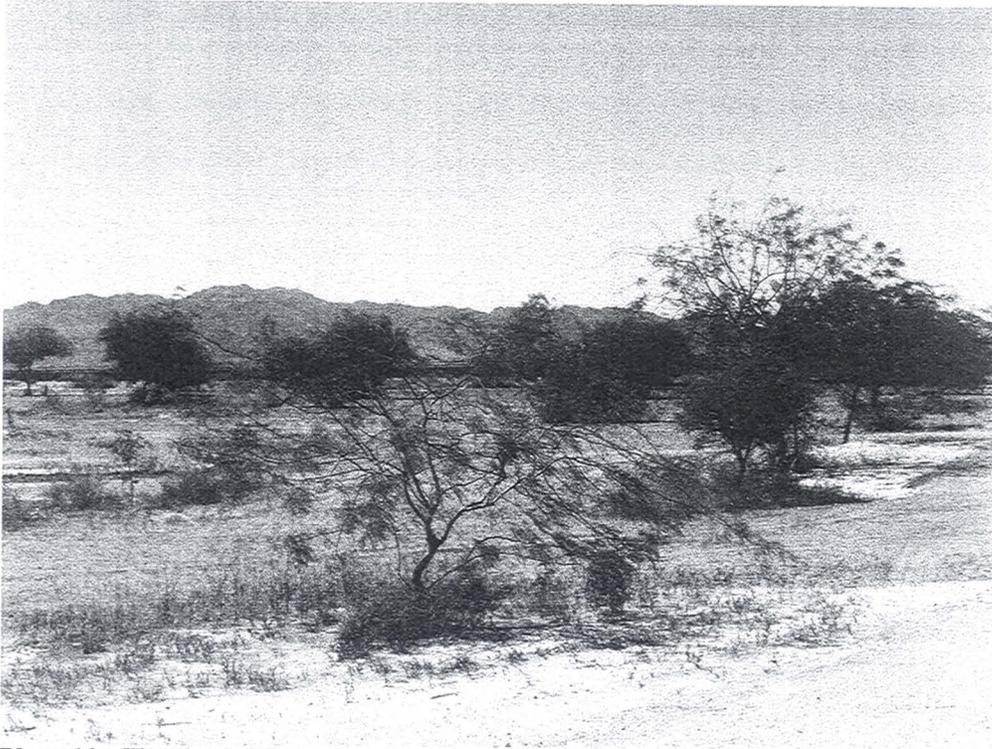


Photo 11: West bank (Phase I) revegetation. View is facing northwest.

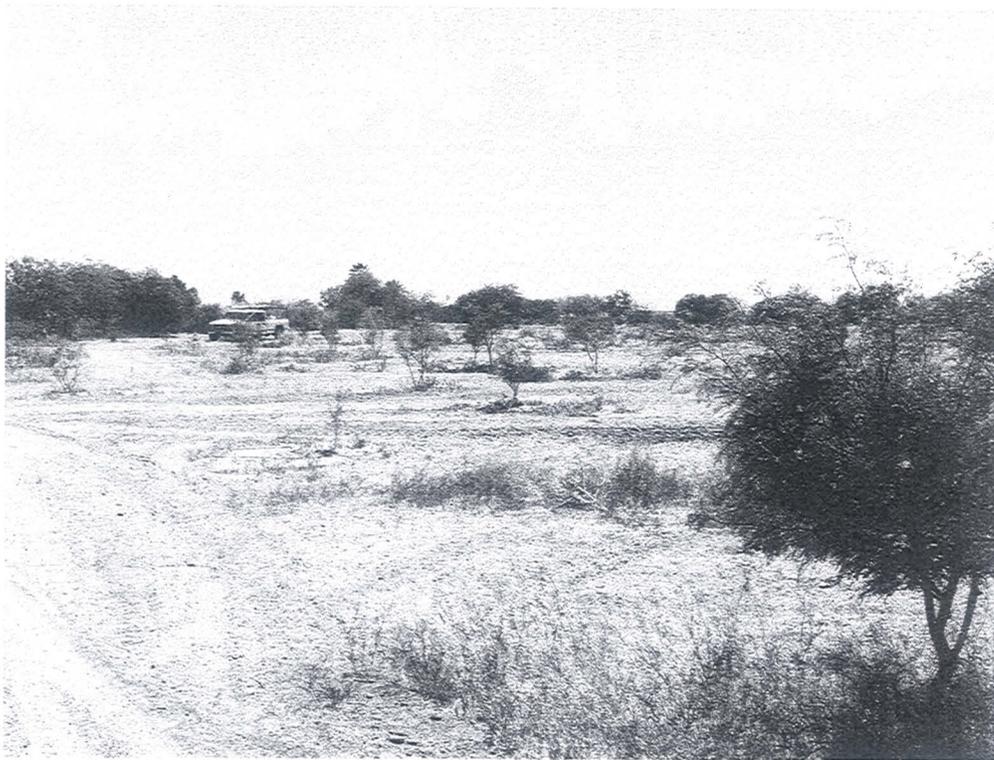


Photo 12: 2009 supplemental mesquite planting on west bank. View is facing south.



Photo 13: Road and west bank (Phase I) revegetation facing north.

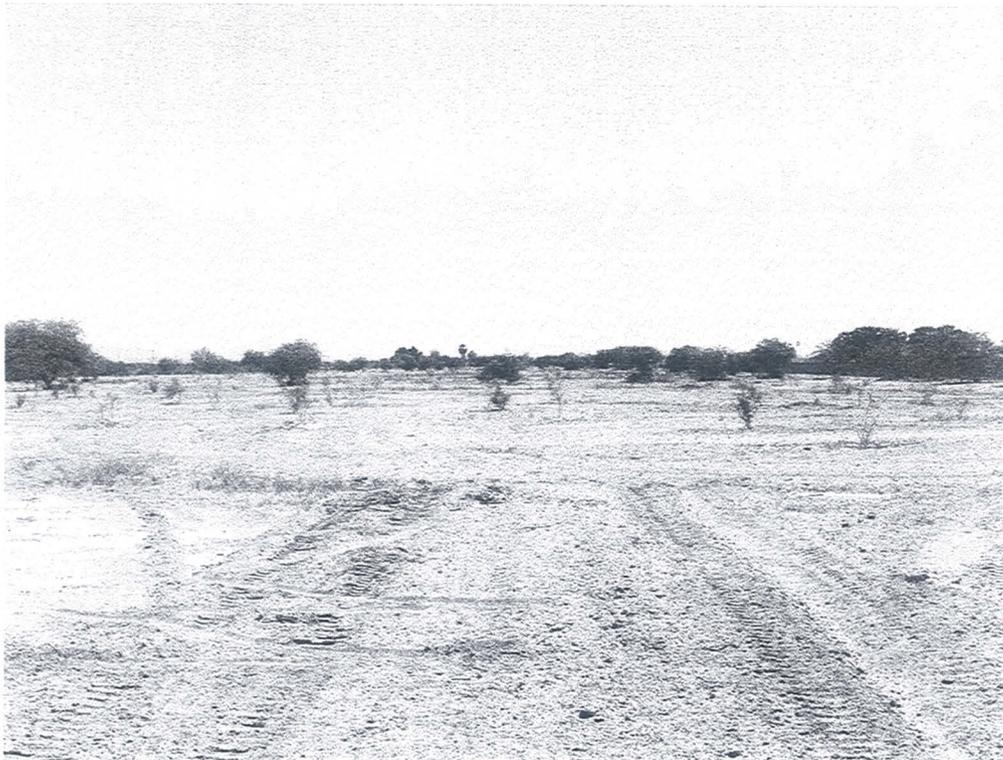


Photo 14: East bank revegetation (Phase II) facing south.



Photo 15: West bank mesquite trees and adjacent agriculture fields. View is facing southwest.



Photo 16: 12 Mile Lake vegetation and wildlife. View is facing southeast.

The 'Ahakhav Tribal Preserve is a department within the Colorado River Indian Tribes.

'Ahakhav Tribal Preserve Contact:

Jon Villalobos, Project Administrator
26600 Mohave Road
Parker, AZ 85344
Ph: 928.669.2664
Fax: 928.669.8024
jon.villalobos@crit-nsn.gov

UBC PRECAST

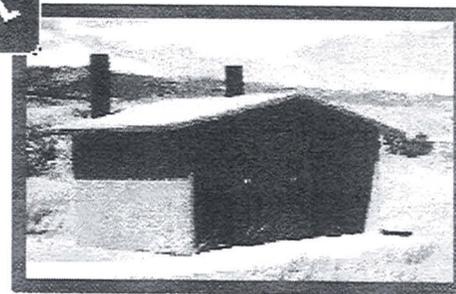
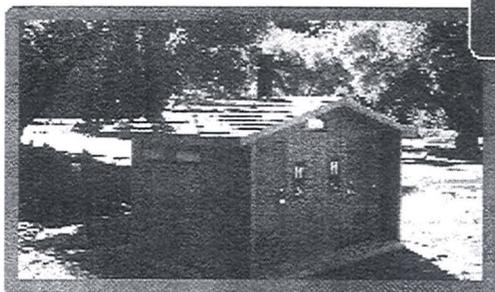
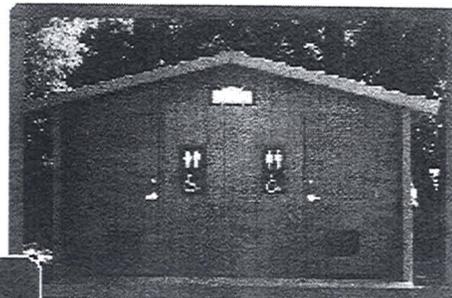
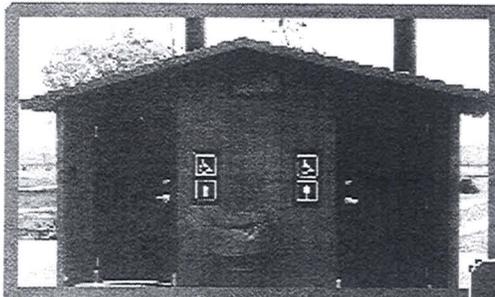
PRECAST CONCRETE PRODUCTS

PRECAST CONCRETE / GENERAL CONSTRUCTION

Prescott

**PRECAST
CONCRETE
VAULT
TOILET
BUILDINGS**

Prescott



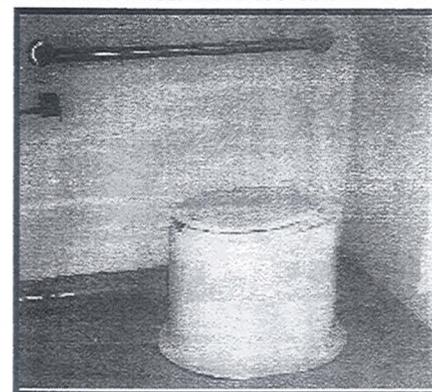
**PRESCOTT
MODEL,
VAULT TOILET
PROVIDES YEARS OF
LOW MAINTENANCE
SERVICE.
INSTALLATION
TAKES JUST ONE
DAY. CALL FOR
MORE DETAILED
DRAWINGS &
SPECIFICATIONS.**

ABOVE: BARNWOOD WALLS, SIMULATED CEDAR SHAKE ROOF. OPTIONAL TEXTURES ARE AVAILABLE. OVER 25 COLORS ARE AVAILABLE.

The Prescott Features:

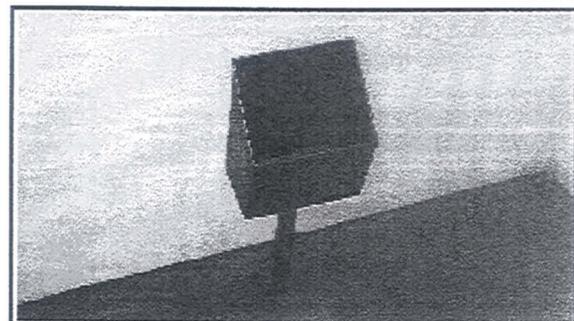
- Sweet Smelling Technology (SST) Design Criteria
- ADA, Federal Accessibility, & Title 24 compliant.
- 60" Diameter interior turning radius
- (2) 1123 Gallon vaults or approximately 1650 uses
- ABS one piece vault liner w/ side and floor embeds

INTERIOR VIEW OF
PRESCOTT. ADA TOILET
RISER & GRAB BARS.
EPOXY FINISH PROVIDES
EASY TO CLEAN SURFACES.
JUST WASH WITH SOAP
AND WATER.



Durability Through Engineering

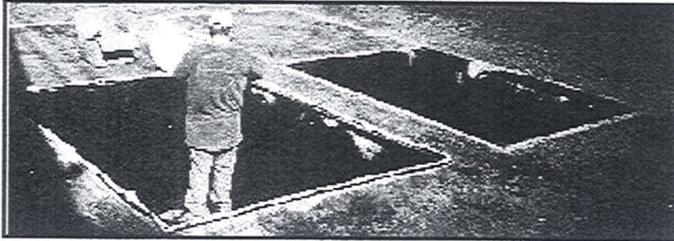
- The Prescott is designed for the most extreme conditions for wind, snow, and seismic activities.
- Cleaning is made easy through hard durable finishes.
- Stainless Steel urinal (right) is optional.



CONCRETE

MIX DESIGN:

• UBC uses only the best components. Our standard mix design reaches over 5000 psi. (Higher strengths are optional). Concrete provides a long lasting, easy to clean surface. Two part epoxy paint on the reinforced 4 inch thick interior walls and 5 inch floor create a clean bright surface, just wash it down with soap and water. The life of concrete far out performs other materials. Concrete will not burn or rot and is highly vandal resistant.



DUAL VAULTS PREVENT CROSS VENTING BETWEEN THE UNITS & PROVIDE FOR 1123 gals. OF WASTE EACH.

FINISHES

METAL WORK, STEEL DOORS and WINDOWS:

- Heavy gauge steel doors and windows.
- Primed and coated with two coats enamel.
- Door and Window frames are cast into the walls.
- Window glazing is 1/4 Lexan.

EXTERIOR: Shown below or custom finishes available.

INTERIOR Walls & Floor of BUILDING: Two-part gloss epoxy white on walls, gray color on floors.

INTERIOR SURFACE OF TOILET VAULT: Coal tar epoxy. Liner, or as specified.

ADA COMPLIANT LOCKSET and HARDWARE:

- Commercial Grade Lever lock ADA compliant.
- Deadbolt available as optional equipment.
- Spring Hinges or door Closer.
- Louvers are cast into walls. Amneostat or equal.
- Satin Finish on all hardware.
- 60 inch unobstructed turning diameter

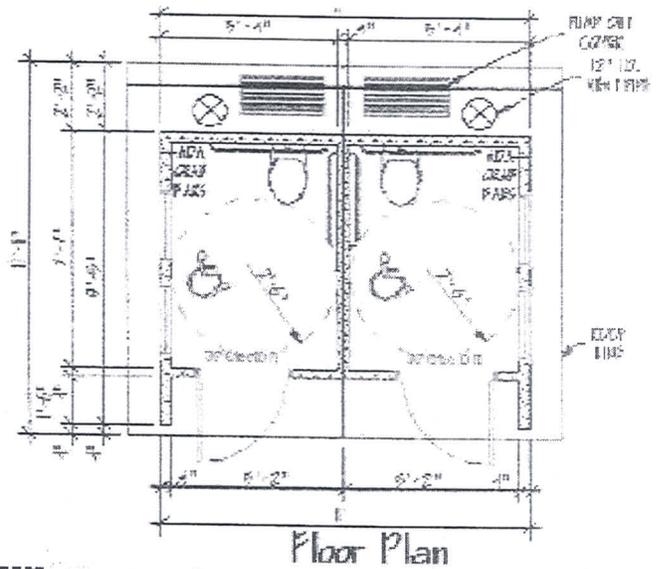
AVAILABLE IN THESE TEXTURES:

Walls:

Roofs:



Barnwood Stucco Exposed Metal Rib Cedar Shake



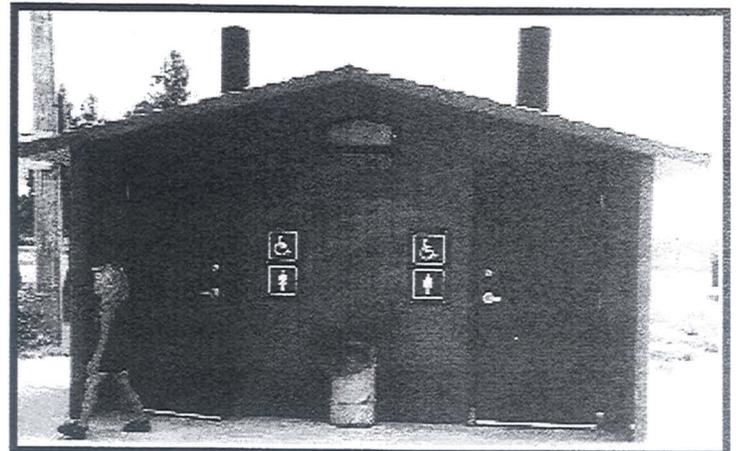
SIGNS: Signs are the standard recreational symbols as shown in photos. 12" x 12" with rounded corners. Signs are Lexan, 1/4 inch thick. Symbols on rear of sign.

GRAB BARS: Bars are stainless steel, 1-1/2".

Polyethylene toilet riser.

Vent pipes allow free air flow from both vaults and prevent cross venting.

Smell goes through the vent pipe and not in the building.



1-800-678-0284

Approved by:



Customization
is available



RESTROOM SOLUTIONS, INC.

15432 SOUTH 35TH STREET

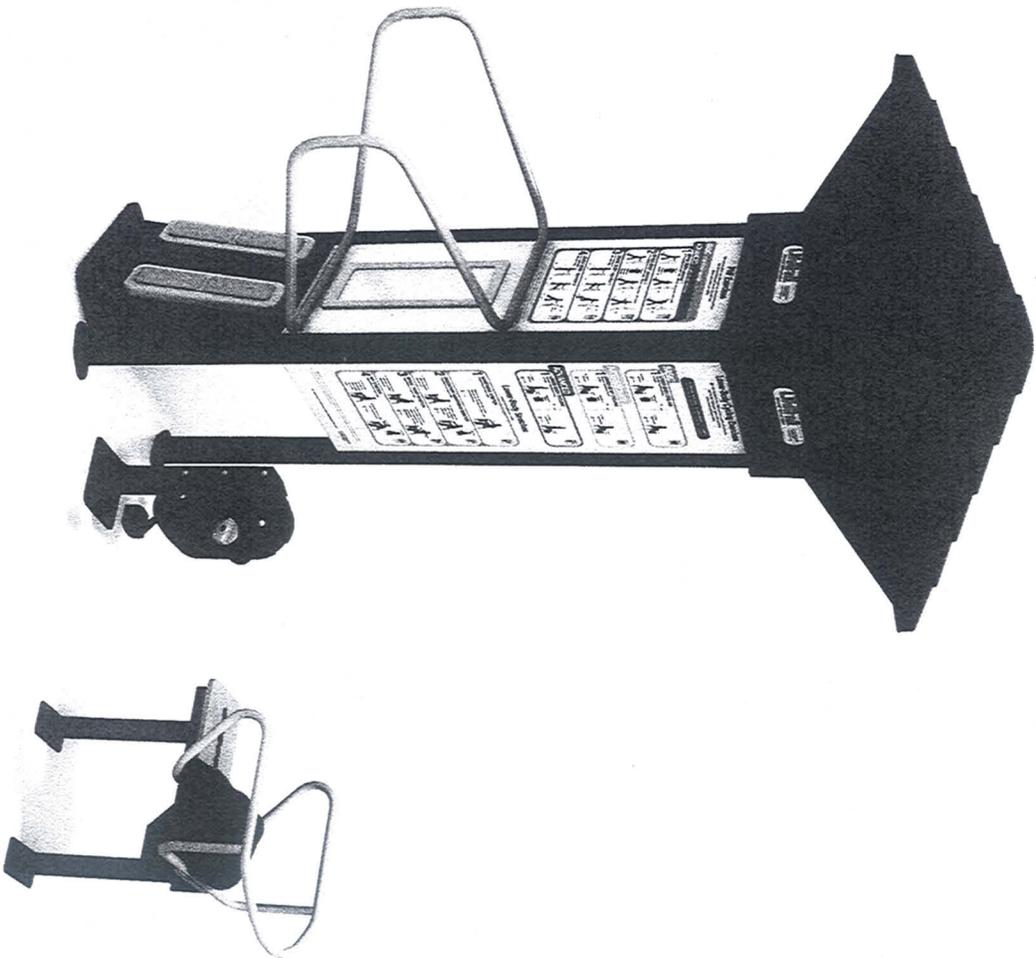
PHOENIX, AZ 85044

1-800-678-0284, Fax: 480-706-4449

WWW.RESTROOMSOLUTIONS.COM

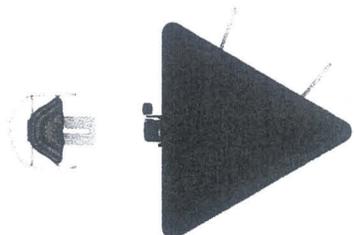
LAWS-1R – Surface Mount

Lifetrail Station #1



PLAYWORLD SYSTEMS
The world's most playful play

1000 Bulfinch Road, Lewisburg, Pa. 17837
Phone 570.522.3800 • Fax 570.522.2000 • 800.233.9404
www.playworldsystems.com



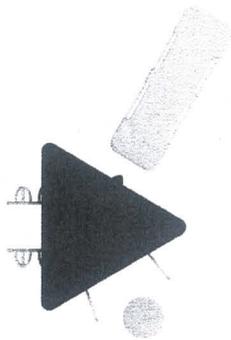
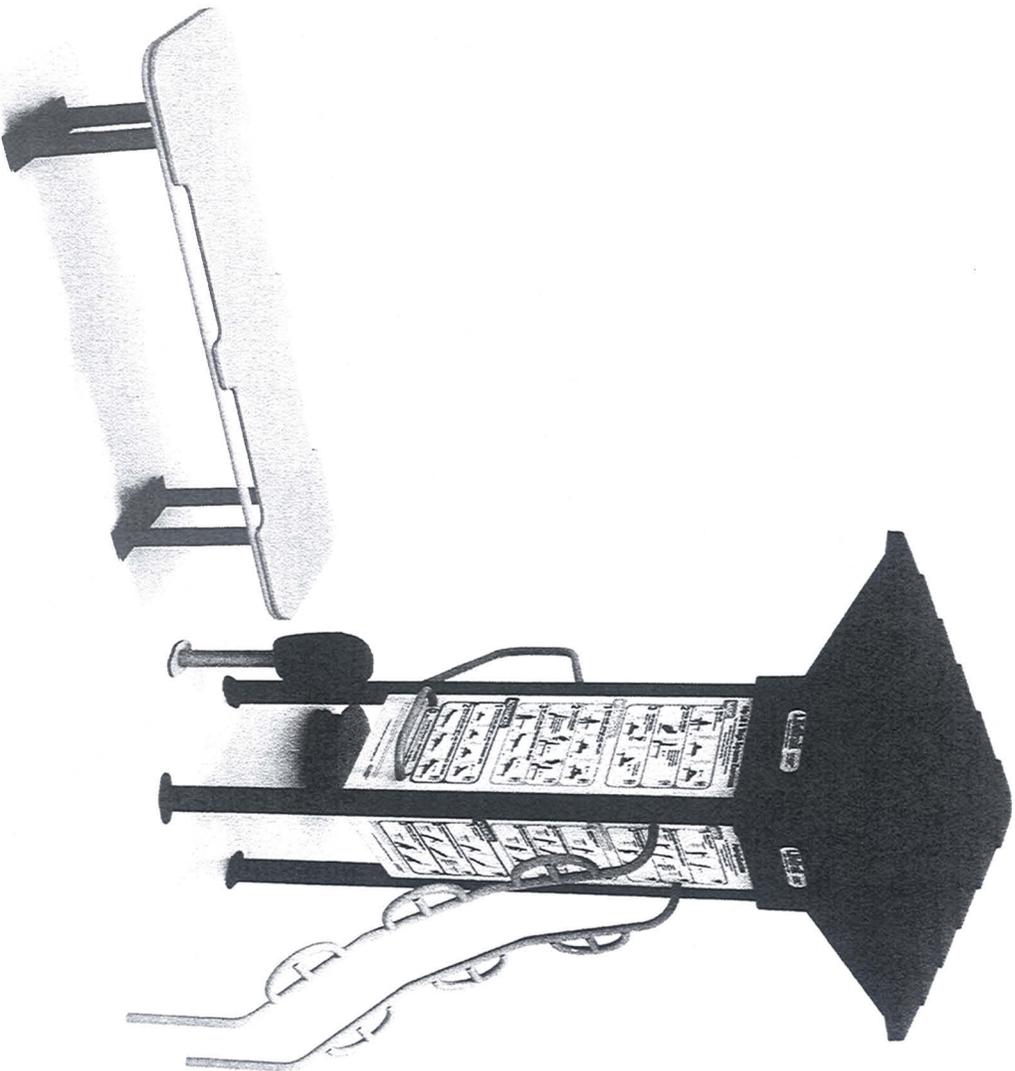
Design Number: LAWS-1R-SM

Lifetrail Layout

Weight.....	474lbs	(215.01kg)
Structure Length.....	97"	(2.91m)
Structure Width.....	64"	(1.94m)
Structure Height.....	97"	(2.80m)
Use Zone Length.....	152"	(4.63m)
Use Zone Width.....	124"	(3.76m)
Age Group.....	50+	
Number of Users.....	2	
Number of Play Events.....	2	

LAWS-2R – Surface Mount

LifeTrail Station #2



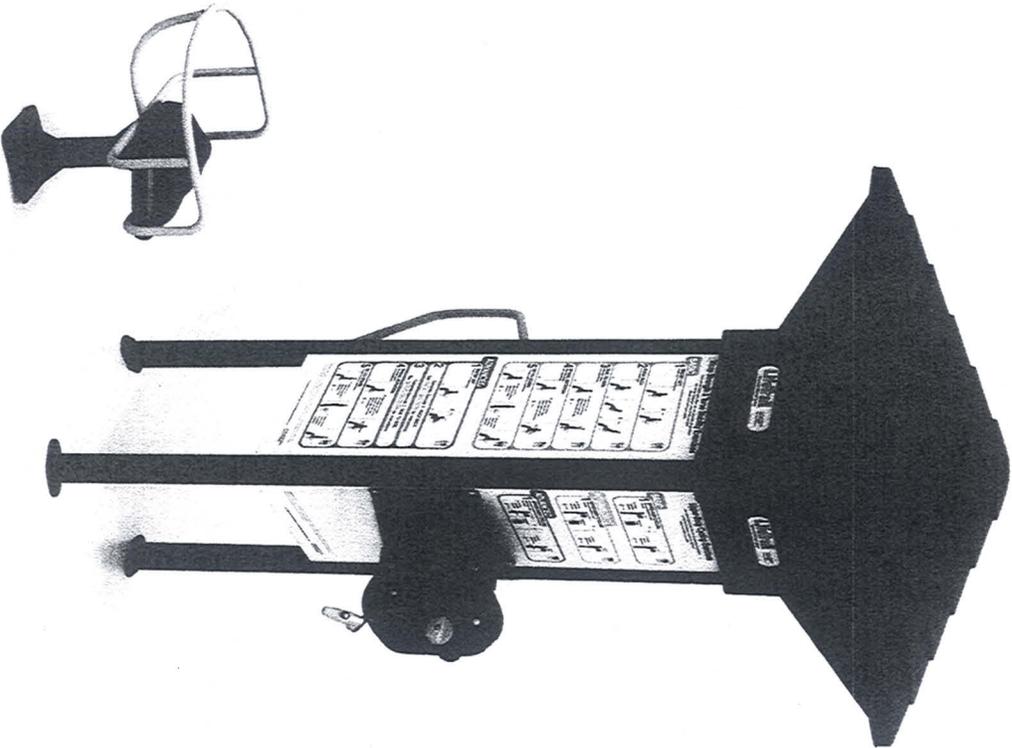
Design Number: LAWS-2R-SM
LifeTrail layout

Weight.....	47 lbs	(213.65kg)
Structure Length.....	120"	(3.67m)
Structure Width.....	66"	(1.98m)
Structure Height.....	92"	(2.80m)
Use Zone Length.....	179"	(5.41m)
Use Zone Width.....	146"	(4.42m)
Age Group.....	50+	
Number of Users.....	3	
Number of Play Events.....	3	



LAWS-3R - Surface Mount

LifeTrail Station #3



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Phone 570.322.9900 - Fax 570.322.2000 - 800.233.9404
www.playworldsystems.com



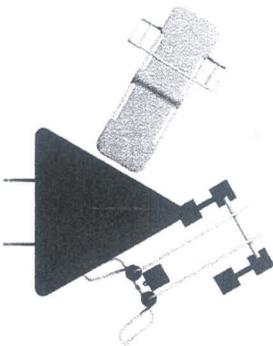
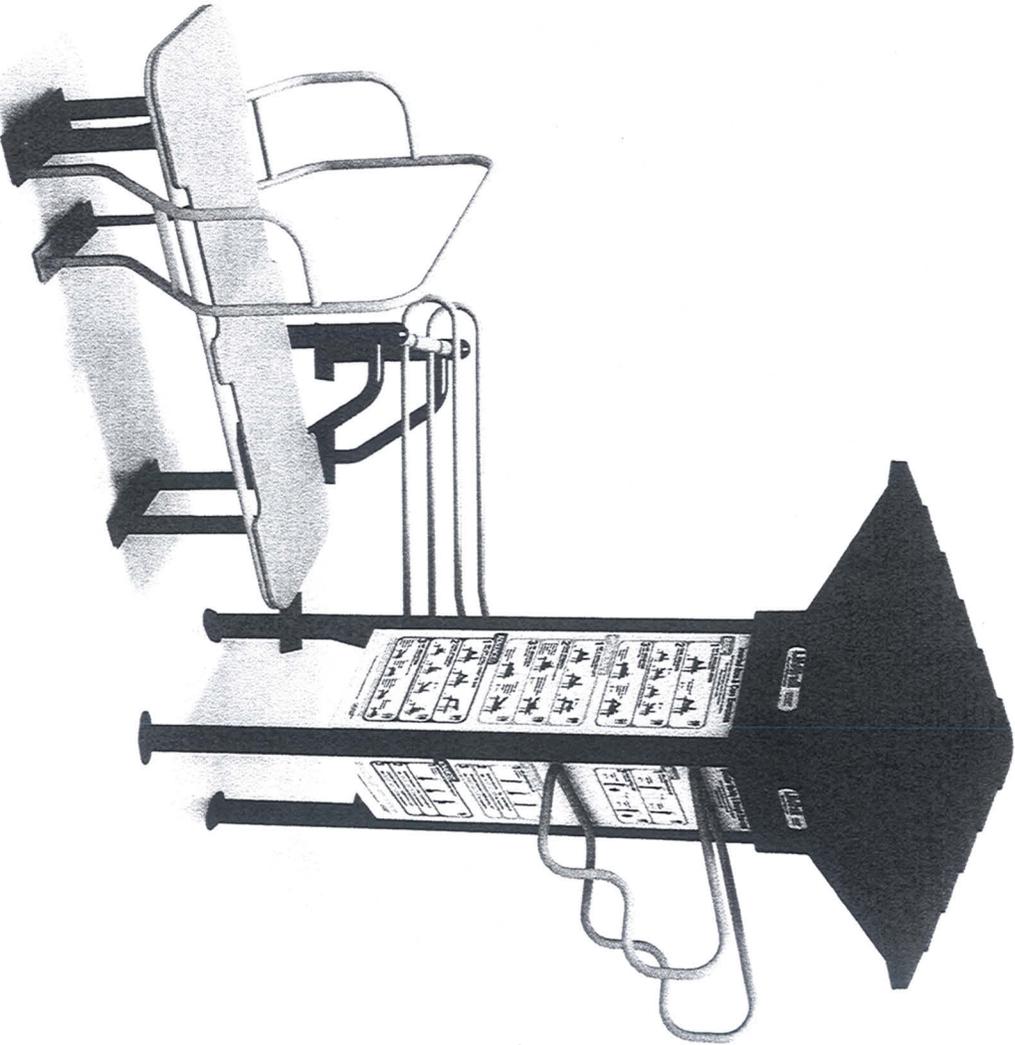
Design Number: LAWS-3R-SM
LifeTrail® layout

Weight.....	38 lbs	(172.83kg)
Structure Length.....	6'3"	(2.53m)
Structure Width.....	6'4"	(1.94m)
Structure Height.....	9'2"	(2.8m)
Use Zone Length.....	14'0"	(4.27m)
Use Zone Width.....	12'8"	(3.86m)
Age Group.....	50+	
Number of Users.....	3	
Number of Play Events.....	3	

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The world needs play.
PLAYWORLD SYSTEMS
The World's Leader in Play

LAWS-4R - Surface Mount

LifeTrail Station #4



Design Number: LAWS-4R-SM

LifeTrail® layout	588lbs	(265.72kg)
Weight	148"	(4.43m)
Structure Length	7'11"	(2.41m)
Structure Width	97"	(2.80m)
Structure Height	21'7"	(6.61m)
Use Zone Length	15'10"	(4.84m)
Use Zone Width	3	
Age Group	3	
Number of Users	3	
Number of Play Events	3	

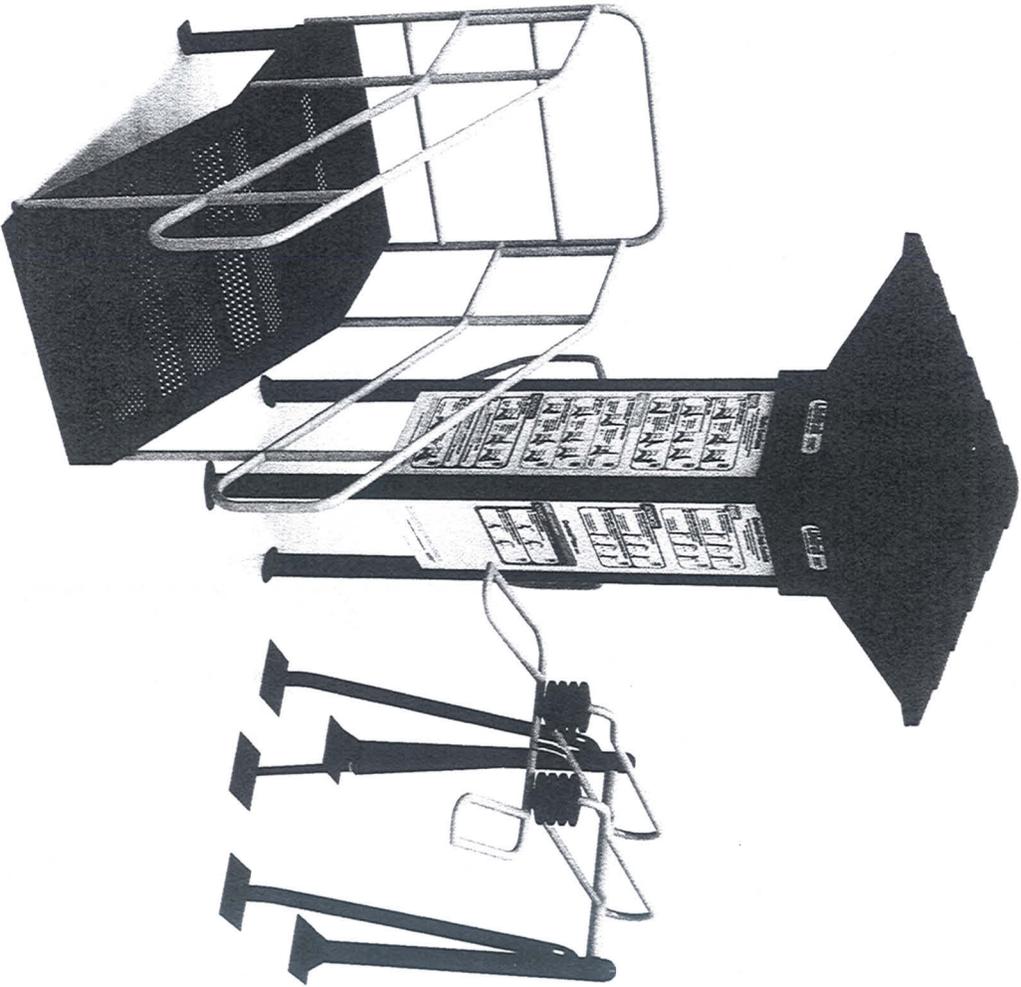
PLAYWORLD SYSTEMS
The world inside play



PLAYWORLD SYSTEMS
The world inside play
1000 Buffalo Road, Lewisburg, Pa 17837
phone 717-522-9800 fax 717-522-2000 800-233-8494
www.playworldsystems.com

LAWS-5R – Surface Mount

Life Trail Station #5



Design Number: LAWS-SR-5M
LifeTrail® layout

Weight.....	725lbs	(328,86kg)
Structure Length.....	8'11"	(2,72m)
Structure Width.....	11'4"	(3,46m)
Structure Height.....	9'2"	(2,80m)
Use Zone Length.....	17'6"	(5,35m)
Use Zone Width.....	20'11"	(6,38m)
Age Group.....	50+	
Number of Users.....	3	
Number of Play Events.....	3	



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COLORADO RIVER INDIAN TRIBES

Environmental Protection Office

26600 MOHAVE ROAD
PARKER, ARIZONA 85344
TELEPHONE (928) 662-4336 • FAX (928) 662-4337

August 24, 2010

To whom it may concern:

Please consider this to be a letter of support for the Ahakhav Tribal Preserve's submitted proposal for habitat restoration and public accessibility improvements at 12 Mile Lake within the Colorado River Indian Reservation (CRIR). Efforts by the Colorado River Indian Tribes (CRIT) to preserve and enhance the waters and ecosystem at this important site are ongoing.

We fully support efforts by other entities to protect this site from invasive species infestation through successful habitat restoration with native plants, enhance accessibility of the site to tribal members as well as the general public and preserve this site as part of the biological and cultural legacy of the people of CRIT.

Thank you.

A handwritten signature in black ink, appearing to read "D. Harper", is written over the printed name.

David Harper
Director



TOWN OF PARKER

August 17, 2010

Ahakhav Tribal Preserve
26600 Mohave Rd.
Parker, AZ 85344
928.669.2664

Subject: Arizona Water Protection Fund Grant Proposals

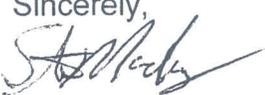
To Whom It May Concern:

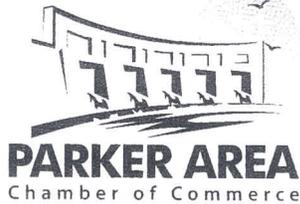
The Town of Parker was pleased to learn of your desire to submit grant proposals for riparian enhancement and restoration projects. We are happy to present this letter of support to the Ahakhav Tribal Preserve in their efforts to seek grant funding for improvements on the Preserve.

The Town of Parker is approximately 13 miles to the North of the Ahakhav Tribal Preserve's 12 mile lake project, which makes a great get away place for the Town's 3,200 full time residents. It is also a nice retreat for the significant number of winter visitors that relocate to the Town of Parker and surrounding communities during the months of October through April each year.

The proposed ramadas, picnic tables, 2.5 mile hiking trail with fitness stations and the new restroom are a welcoming addition to the amenities for those visiting the lower Parker Valley. The Town of Parker is supportive of any effort to protect and preserve the Lower Colorado's eco-system. Efforts to cultivate indigenous vegetation should assist in sustaining a riparian habitat for the native wildlife.

We look forward to the continued success of the Ahakhav Tribal Preserve and support your pursuit grants to fund these projects.

Sincerely,

Steve Madoneczky
Mayor



August 11, 2010

To Whom It May Concern:

The Parker Area Chamber of Commerce would like to offer our support to the Ahakhav Tribal Preserve in their efforts to seek grant funding for improvements at the 12 Mile Lake site southwest of Parker.

The Parker Area Chamber of Commerce has an official Arizona Office of Tourism Visitor's Center here in Parker, where we provide travel and tourist information to thousands of visitors annually. The Ahakhav Tribal Preserve is one of the premiere destinations in our community, particularly for our "environmental tourists," and any enhancements to the Tribal Preserve would certainly benefit those visitors as well as our local community.

We look forward to this project and offer our support to assist with the proposed enhancement of the Tribal Preserve.

Sincerely,

Randy Hartless, Executive Director



August 18, 2010

Carrie Spreen
GIS Technician
'Ahakhav Tribal Preserve
Colorado River Indian Tribes

To Whom it May Concern:

It is with great pleasure that I write a letter of support for the 'Ahakhav Tribal Preserve to receive grant funding for improvements. I have experienced the preserve and it is one of the most beautiful, serene places in our area. I frequently refer visitors to the site for picnic lunches, hikes on the wooded foot paths, fishing from the docks and non-motorized vessel use.

A new craze sweeping the nation is Stand Up Paddle boarding. We have many enthusiasts already in our area that are paddling their way to a healthier life. Even seniors and children are able to participate in this activity. The preserve waters would be a beautiful place to experience that fun especially with the new vegetation, armadas and other facility improvements. It would also be safer, in that, there are no motorized vessels on that body of water.

Preserve personnel should also be commended in their vision to target fitness stations on the 2.5 mile hiking trail to those over 50. This is the target market for that type of activity.

This office is quite excited about these improvements and the potential for this site to become a recreation area that is respected and used wisely.

Thank you for the opportunity to write this letter. If you have any questions of this office, please do not hesitate to call anytime.

Sincerely,

A handwritten signature in black ink that reads "Mary Hamilton". The signature is written in a cursive, flowing style.

Mary Hamilton
Executive Director
Parker Area Tourism

☎: 928-669-6511

☎: 928-669-6304

✉: parkerareatourism@yahoo.com

🌐: parkerareatourism.com



COLORADO RIVER INDIAN TRIBES

Colorado River Indian Reservation

26600 MOHAVE ROAD
PARKER, ARIZONA 85344
TELEPHONE (928) 669-1220
FAX (928) 669-1216

August 18, 2010

To Whom it May Concern:

The Colorado River Indian Tribes (CRIT) would like to offer its support to the "Ahakhav Tribal Preserve in their efforts to seek grant funding for improvements to an area on the Colorado River Indian Reservation known as 12 Mile Lake.

The Colorado River Indian Tribes include four distinct Tribes: the Mohave, Chemehuevi, Hopi, and Navajo. The primary community located within the CRIT Reservation is Parker, Arizona which is located on a combination of Tribal land, leased land that is owned by CRIT, and land owned by non-Native Americans. 1,250 acres of this land is part of the Ahakhav Preserve which provides a riparian habitat for native wildlife.

12 Mile Lake is located near the community of Poston, Arizona and provides an open recreational area that would greatly benefit by the implementation of 8,000 Honey Mesquite trees. While the trees would enhance and protect the lake, it would also increase the natural habitat that is culturally significant to people of the Mohave tribe.

The continued success of the Preserve plays a vital role in the Lower Colorado River's eco-system and provides cultural integrity for the local community members. We look forward to their success in terms of reformation of another area on the Reservation and offer our support and assistance.

Sincerely,

COLORADO RIVER INDIAN TRIBES

A handwritten signature in cursive script, appearing to read "Eldred Enas".

Eldred Enas
Tribal Chairman



COLORADO RIVER INDIAN TRIBES
Recreation Department

26600 MOHAVE ROAD
PARKER, ARIZONA 85344
TELEPHONE (928) 669-1350
FAX (928) 669-2921

August 16, 2010

To Whom It May Concern:

The Colorado River Indian Tribes' (CRIT) Recreation Department offers our support for the Ahakhav Tribal Preserve's efforts to obtain grant funding for 12 Mile Lake enhancements.

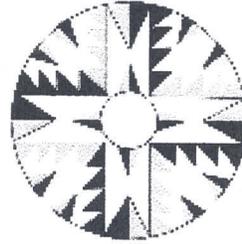
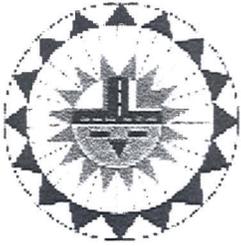
The CRIT Recreation Department organizes recreational activities that support the well being of the CRIT community. Our goal is for increased activity among CRIT members, and the Ahakhav Tribal Preserve's enhancements of 12 Mile Lake would provide an outdoor space that supports active lifestyles. The Preserve has provided a fantastic area for Parker and its surrounding communities and it would be wonderful to see the same protected area extended to the Poston Community.

We look forward to supporting the Ahakhav Tribal Preserve's efforts towards improving 12 Mile Lake.

Sincerely,

A handwritten signature in cursive script that reads "Rena Van Fleet".

Rena Van Fleet, Director
CRIT Recreation Department



COLORADO RIVER INDIAN TRIBES
SENIOR CITIZENS PROGRAM
26600 MOHAVE ROAD
PARKER, ARIZONA 85344

August 11, 2010

To Whom It May Concern:

The Mo-Chem-Ho-Na Senior Center offers our support for the 'Ahakhav Tribal Preserve's efforts to acquire grant funding for 12 Mile Lake improvements.

The Mo-Chem-Ho-Na Senior Center provides a place for senior members of the Colorado River Indian Tribes to socialize and get meals. Our visitors would greatly benefit from the enhancement of 12 Mile Lake. It would provide a serene atmosphere and an opportunity for them to benefit from physical activity. The 'Ahakhav Tribal Preserve is a site that provides an excellent balance between natural resource protection and recreational use, it would be a great benefit to enhance the 12 Mile Lake site surrounding the Senior Center in a similar manner.

We are excited for this project and offer our support throughout this project.

Sincerely,

A handwritten signature in cursive script that reads "Mercedes Hill".

Mercedes Hill, Program Manager

RESOLUTION
COLORADO RIVER TRIBAL COUNCIL

A Resolution to Approve the Submission of a Grant Proposal to the Arizona Water Protection Fund Commission for FY 2011

Be it resolved by the Tribal Council of the Colorado River Indian Tribes, in regular/special meeting assembled on _____.

WHEREAS, the Colorado River Indian Tribes (hereinafter "CRIT" or "Tribe") is a federally recognized Indian Tribe, duly organized with a tribal governing body known as the Tribal Council according to the provisions contained in the Indian Reorganization Act of June 18, 1934; and

WHEREAS, Article VI, Section 1 (f) of the Constitution of the Colorado River Indian Tribes authorizes the Tribal Council to accept grants from the State or the United States; and

WHEREAS, the Ahakhav Preserve ("Preserve") would like to restore native plants such as the honey mesquite and cotton wood and create a low impact recreation site on Twelve-Mile Slough;

WHEREAS, a grant funding opportunity is available through the Arizona Water Protection Fund Commission for FY 2011; and

WHEREAS, the Preserve's proposal is in the amount of \$ 236,000.00 for said restoration project; and

WHEREAS, this grant program does not require matching funds or cost sharing; and

NOW, THEREFORE, BE IT RESOLVED by the Tribal Council of the Colorado River Indian Tribes that the proposal for FY 2011 to the Arizona Water Protection Fund Commission is hereby approved for submittal; and

BE IT FURTHER RESOLVED that the Preserve will be the designated entity to implement this project; and

BE IT FURTHER AND FINALLY RESOLVED that the Tribal Council Chairman and Secretary, or their designated representatives, are hereby authorized and directed to execute any and all documents necessary to implement this Resolution.

Reviewed by the Office of the Attorney General
of the Colorado River Indian Tribes

Date: 8/27/10 Initials: UL

Approved by Tribal Council on
August 30, 2010