

ARIZONA WATER
PROTECTION FUND



PROTECTING ARIZONA'S
RIVER & RIPARIAN
RESOURCES

ANNUAL REPORT

2007 - 2008



Arizona Water Protection Fund Commission

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David Kirchner
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July 31, 2008

Honorable Janet Napolitano
Governor of Arizona, and

Honorable Members
Arizona State Legislature

I am pleased to submit to you the Fiscal Year 2008 Annual Report of the Arizona Water Protection Fund Commission. This report provides an overview of program accomplishments from July 1, 2007 through June 30, 2008.

This was the thirteenth year of our statewide public grants program for restoring, maintaining and enhancing rivers, streams and riparian habitats. Although the Commission was not provided with an appropriation in the state budget this fiscal year, it did utilize funding from in-lieu fees deposited by Central Arizona Project in Fiscal Year 2008. The Commission used those funds to award eleven new grants in support of our statutory directive.

To date, the Commission has awarded 188 grants totaling over \$38 million. Projects have been funded in every county and have benefited more than 1,441 miles of rivers and streams throughout Arizona. The Arizona Water Protection Fund staff also continues to demonstrate leadership and expertise in providing technical advice and assistance for designing and implementing an effective riparian protection program. Through these efforts, the Arizona Water Protection Fund has contributed significantly to statewide natural resource protection and invested in the future of Arizona.

The Commission is proud to oversee the Arizona Water Protection Fund and to provide an important function of protecting, restoring and enhancing some of the State's most valuable natural resources. Please contact me at (520) 971-1071 if I can answer any questions.

Sincerely,

Marie Light
Chair

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Executive Summary

The Arizona Legislature established the Arizona Water Protection Fund (AWPF) in 1994. The purpose of the AWPF is to provide monies for implementation of projects that will maintain, enhance and restore rivers, streams and associated riparian resources through a yearly competitive public grant process. The Arizona Water Protection Fund Commission (Commission), which oversees the AWPF, is comprised of 15 appointed citizen based voting members and 2 non-voting state agency members. Commissioners represent a variety of land, water use and riparian perspectives.

The Arizona Water Protection Fund was intended to be a proactive response to possible federal intervention in Arizona's river and riparian resource issues. The program was partially created to promote the use of incentives emphasizing local implementation rather than regulation to address resource concerns. As such, the Commission's philosophy has been to utilize a grass roots approach to improving river and riparian resources statewide. The program is operated through a competitive grant process that asks the public to propose local solutions rather than having the State dictate specific measures, priorities or areas of concern.

Rivers, streams and riparian areas are important resources to the people of Arizona. These resources have been significantly impacted from human uses such as industry, recreation and livestock grazing as well as from natural events such as floods, drought and fire. Proper land and watershed management strategies can make a profound difference in the health and economic value of our rivers and riparian ecosystems. The Commission has invested in 188 projects over the past thirteen years and contributed almost \$38 million toward the restoration, protection and enhancement of river and riparian resources in Arizona. As a result, Arizona citizens have realized many benefits from these investments through improvements in water quality, in-stream flows/water supplies, biodiversity, fish and wildlife habitat, recreation, flood control and overall watershed health. Grants have been awarded in every county of the state.

The Commission held regular business meetings throughout the year. The Commission's FY 2008 grant cycle officially began on March 12, 2007. Staff held grant application workshops throughout the state during March and April, 2007. Staff also conducted pre-application consultations through June 8, 2007. The Commission received 18 grant applications totaling \$6,008,288 in requested funding. Eleven applications (2 research and 9 capital projects) totaling \$4,175,734 were approved by the Commission.

The Commission began its FY 2009 grant cycle on March 12, 2008 and is in the process of reviewing the 19 applications it received. Grant awards will be made October 15, 2008.

Arizona Water Protection Fund Creation and Purpose

The 1994 Arizona Legislature established the Arizona Water Protection Fund (AWPF) and the Arizona Water Protection Fund Commission (Commission) to administer the AWPF (A.R.S. § 45-2101 et seq.). In passing the enabling legislation, the Legislature declared that their policy was to provide for a coordinated effort for the restoration and conservation of the water resources of the state. The policy was designed to allow the people of Arizona to prosper while providing financial resources for protection and restoration of this State's rivers, streams and associated riparian habitats, including dependent fish and wildlife resources. The law mandates that financial resources be available through grants to appropriate public and private entities to assist in water resource management activities that are consistent with that policy (A.R.S. § 45-2101 (A)).

The primary purpose of the AWPF by statute is to provide an annual source of funds for the development and implementation of measures to protect water of sufficient quality and quantity to maintain, enhance and restore rivers, streams and associated riparian resources, including fish and wildlife resources that are dependent on these important habitats, consistent with existing water law and water rights. The Commission may also provide funding to develop and protect riparian habitats in conjunction with a man-made water resource project, if the man-made water resource project directly or indirectly benefits a river or stream and includes or creates a riparian habitat.

Program Organization

Arizona Water Protection Fund Commission

The Commission is the main policy making body for the AWPF. The Commission is comprised of 15 voting members who must be Arizona residents and are appointed by various officials who, by statute, represent a variety of land, water use and socioeconomic perspectives. In addition, several of the appointed positions require technical expertise in water, natural resources and riparian ecology. There also are two non-voting ex officio members – The Director of the Arizona Department of Water Resources and the Commissioner of the Arizona State Land Department. A list of current Commissioners and vacancies is provided in Table 1.

Arizona Water Protection Fund Administration

The Arizona Department of Water Resources (ADWR) provides the primary technical, legal and administrative staff to the Commission. The AWPF is managed by its Executive Director under the direction of the Commission. Current staffing includes an Executive Director, 2 Project Managers, Legal Counsel and an Administrative Assistant.

The Arizona State Land Department staff position that is to act as a special liaison to Natural Resource Conservation Districts has remained vacant.

Table 1. Arizona Water Protection Fund Commissioners

Commission Member Name	Statutory Category Represented – Affiliation	Term Expires	Appointing Authority
Bear, Raphael	Indian Tribe – Fort McDowell Yavapai Nation	2010	Intertribal Council of Arizona
Bray, Timothy	Multi-County Water Conservation District – Central Arizona Project (CAP)	2009	District Governing Board (CAWCD)
Brick, Harold Paul	Natural Resource Conservation Districts – San Pedro Natural Resource Conservation District	2007	Governor
Keane, John	Agricultural Improvement District w/ Natural Resource Expertise – Salt River Project	2008	Governor
Kirchner, David	Member of Public – Hydrogeologist	2008	Senate President
Light, Marie*	Member of Public – Hydrologist	2009	Senate President
Munderloh, John	Member of Public & population of <500,000 – Town of Prescott Valley	2008	House Speaker
Olson, Steven**	Municipality w/ CAP Subcontract & County w/ a population of >1.2 million – Arizona Municipal Water Users Association	2009	Governor
Uhlman, Kristine	Member of Public – Hydrogeologist	2010	Governor
VACANT	Agriculture		House Speaker
VACANT	Environmental Organization w/ Riparian Expertise		Governor
VACANT	Environmental Organization w/ Riparian Expertise		Governor
VACANT	Industrial Water User w/ CAP Subcontract		Governor
VACANT	Municipality w/ CAP Subcontract & County w/ a population of <500,000		House Speaker
VACANT	Municipality w/ CAP Subcontract & County w/ a population of <1,200,000 & >500,000		Senate President
Guenther, Herb	Non-Voting Ex Officio Member – Director, Department of Water Resources		Governor
Winkleman, Mark	Non-Voting Ex Officio Member – State Land Commissioner		Governor

*Commission Chair

**Commission Vice-Chair

Accomplishments FY 2008

Arizona Water Protection Fund Staff managed 40 active grant projects and provided technical assistance to grantees. In addition to project management, Staff provided detailed grant application evaluations to the Commission for its FY 2008 grant cycle. Additionally, staff held grant application workshops throughout the state and conducted pre-application consultations with potential applicants for the FY 2009 grant cycle.

The Arizona Water Protection Fund Commission approved 11 of the 18 grant applications that it received for FY 2008. To date, the Commission has invested in 188 projects and contributed almost \$38 million toward the restoration, protection and enhancement of river and riparian resources in Arizona. A wide range of projects have been funded including but not limited to channel restoration, riparian revegetation, wetland creation/restoration, fencing and other grazing management improvements, upland restoration, erosion control and applied ecological research. Arizona citizens have realized many benefits from these investments through improvements in water quality, in-stream flows/water supplies, biodiversity, fish and wildlife habitat, recreation, flood control and overall watershed health. A complete list of projects and a location map are included in Appendix A.

FY 2008 Grant Awards

08-151WPF: Test of Riparian Recovery Following Cessation of Groundwater Pumping, Lower San Pedro

Map #	Grantee	County	AWPF Funding
349	Coronado Resource Conservation and Development Area	Pinal & Cochise	\$61,795.00

Project Description: The purpose of this project is to assess riparian restoration in a semi-arid region, relating to patterns of vegetation and geomorphic changes in response to cessation of groundwater pumping. Data collection will be conducted at identified research sites and reference sites along the San Pedro River during the first year of research. During the second year of this grant, data analysis will include the current data collected under this grant along with previous data collected.

08-152WPF: AWPF Yuma East Wetlands 68-acre Riparian Revegetation

Map #	Grantee	County	AWPF Funding
350	Yuma Crossing National Heritage Area	Yuma	\$746,667.60

Project Description: The purpose of this project is to restore approximately 68-acres of non-invasive vegetation within the Yuma East Wetlands along the Lower Colorado River. This project will increase the area of restored acres in the Yuma East Wetlands by

creating over 378-acres of continuous native riparian and wetland habitat that will provide habitat for both resident and migratory wildlife species. Project activities will include revegetating riparian areas with cottonwood, willow, mesquite and other native species, monitoring restoration techniques, and maintaining restored areas to ensure habitat establishment.

08-153WPF: The Effects of Restoration on Herpetofaunal and Mammalian Community Recovery

Map #	Grantee	County	AWPF Funding
351	Yuma Crossing National Heritage Area	Yuma	\$156,833.40

Project Description: The purpose of this project is to research and measure the effectiveness of restoration activities on wildlife recovery. The project will focus on herpetofaunal (amphibians and reptiles) and mammalian species diversity, abundance, and distribution at different stages of restoration in riparian and wetland habitats within the Yuma East Wetlands along the Lower Colorado River.

08-154WPF: Billy Creek Natural Area Riparian Restoration Project

Map #	Grantee	County	AWPF Funding
352	Town of Pinetop – Lakeside	Navajo	\$248,826.00

Project Description: The purpose of this project is to restore and enhance riparian vegetation/habitats and proper hydrologic conditions and functions along a 1-mile reach of Billy Creek in the Town of Pinetop – Lakeside.

08-155WPF: Restoration of the Gila River at Apache Grove

Map #	Grantee	County	AWPF Funding
353	Larry Barney	Greenlee	\$744,747.00

Project Description: The purpose of this project is to restore natural floodplain function and riparian habitats along 1.6-miles of the Gila River on 200-acres in the Apache Grove area near Duncan.

08-156WPF: Cocopah Colorado River Restoration

Map #	Grantee	County	AWPF Funding
354	Cocopah Indian Tribe	Yuma	\$296,810.00

Project Description: The purpose of this project is to restore 25-acres of native wetland, riparian, and upland vegetation. The project will include 1-acre of bankline along the Colorado River, 19-acres of cottonwood/willow/mesquite forest, and 5-acres of fallow agriculture conversion to riparian upland habitat within the Limotrophe District along the Lower Colorado River.

08-157WPF: Paria River Exotic Removal Project: Phase I

Map #	Grantee	County	AWPF Funding
355	Grand Canyon Trust	Coconino	\$293,960.10

Project Description: The purpose of this project is to reduce non-native shrubs and trees along an 18-mile reach of the Paria River and Buckskin Gulch to enhance native plant/animal communities.

08-158WPF: Watson Woods Riparian Preserve Restoration Project

Map #	Grantee	County	AWPF Funding
356	Prescott Creeks	Yavapai	\$798,988.00

Project Description: The purpose of this project is to enhance and restore Granite Creek, a unique riparian ecosystem in the Verde River Watershed. The restoration of Granite Creek includes recreating riparian habitat and restoring proper stream geomorphology and hydrologic function. This project will provide benefits to the wildlife while also involving the community to promote education about local natural resources.

08-159WPF: Hoxworth Springs Stream Channel Restoration Project

Map #	Grantee	County	AWPF Funding
357	Coconino National Forest	Coconino	\$142,543.20

Project Description: The purpose of this project is to restore the riparian function of approximately 0.4-miles of degraded stream channel and 8-acres of associated montane

meadow within a portion of the Hoxworth Springs stream channel located in the Coconino National Forest.

08-160WPF Atturbury Wash Riparian Stewardship Project

Map #	Grantee	County	AWPF Funding
358	Tucson Audubon Society	Pima	\$390,839.00

Project Description: The purpose of this project is to conduct riparian restoration on an undeveloped .45-mile reach of the Atturbury Wash at Abraham Lincoln Regional Park in the City of Tucson. Atturbury Wash is an ephemeral waterway that flows in a northeasterly direction into Pantano Wash. Native revegetation, rainwater harvesting, and installation of gabion reinforced check dams will be the central elements of the restoration plans.

08-161WPF: Montezuma Well Riparian Pasture Restoration Project

Map #	Grantee	County	AWPF Funding
359	Natural Channel Design, Inc.	Yavapai	\$296,155.00

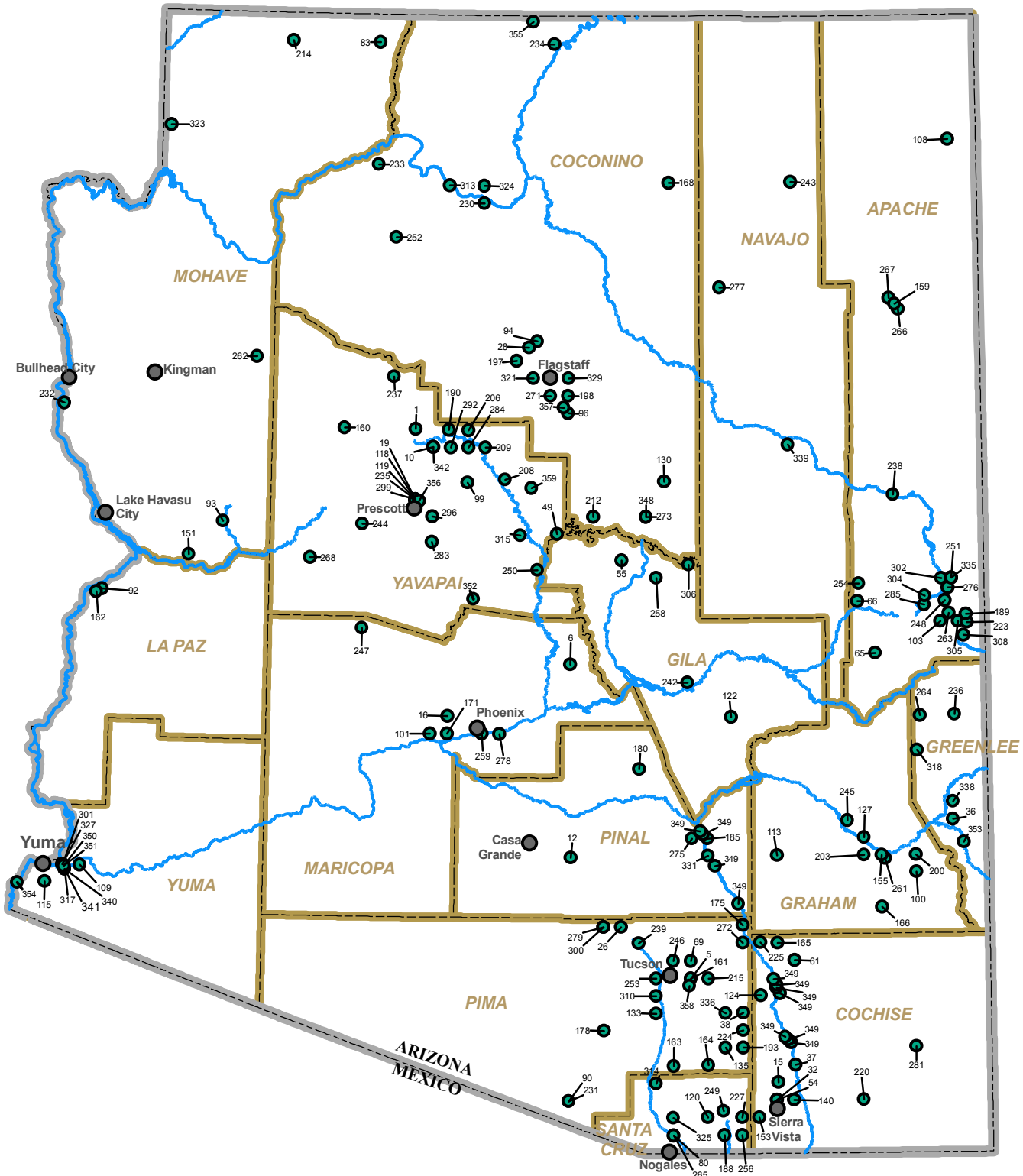
Project Description: The Montezuma Well Unit is part of Montezuma Castle National Monument, a protected prehistoric cliff dwelling. This project will restore native vegetation along 1.2-miles of Wet Beaver Creek, a tributary to the Verde River in central Arizona. Project goals also include restoring the irrigation ditch to reconnect riparian habitats, restoring riparian desert bosque and grassland habitats, and providing educational opportunities for Monument visitors regarding riparian habitats.

Conclusion

In the upcoming fiscal year, The Arizona Water Protection Commission and staff will continue to make substantial progress toward the restoration, protection and enhancement of river and riparian resources throughout the State. The Commission looks forward to reviewing the FY 2009 grant applications and is committed to approving projects that are fiscally responsible and beneficial to Arizona's citizens.

Appendix A: List and Map of AWPF Projects

The Map and List of AWPF Projects with Map Key in this report contain a compilation of grants awarded between FY 1995 – 2008 that have been implemented through contracts and had expenditures made against the grant award. Some grant awards were not contracted, and in those circumstances, monies were unobligated. Grant awards that have been unobligated have been omitted from the list in this report



- AWPF Project Location
- Major Cities and Towns
- ~ Rivers and Streams
- COUNTY
- Arizona Boundary

0 50 100 Miles



Arizona Water Protection Fund Project Locations

(See following Map Key for project descriptions)

List of AWPf Projects with Map Key

Map #	Grant #	Project Title	Grant Amount*
1	95-001	Stable Isotope Assessment of Groundwater and Surface Water Interaction – Application to the Verde River Headwaters	\$21,508.00
5	95-002	Partnership for Riparian Conservation in Northeastern Pima County	\$78,100.00
6	95-003	Sycamore Creek Riparian Management Area	\$115,522.00
10	95-004	Road Reclamation to Improve Riparian Habitat Along the Hassayampa and Verde Rivers	\$45,693.00
12	95-008	Picacho Reservoir Riparian Enhancement Project	\$2,400,000.00
15	95-009	Regeneration and Survivorship of Arizona Sycamore	\$34,617.00
16	95-010	Assessment of the Role of Effluent Dominated Rivers in Supporting Riparian Functions	\$46,750.00
19	95-012	The Comprehensive Plan for the Watson Woods Riparian Preserve	\$33,267.34
26	95-007	Marana High Plains Effluent Recharge Project	\$189,000.00
28	95-006	Riparian Habitat Restoration Along a Perennial Reach of a Verde River Tributary	\$102,535.00
32	95-005	Preservation of the San Pedro River Utilizing Effluent Recharge	\$2,585,724.53
36	95-014	Gila Box Riparian and Water Quality Improvement Project	\$239,766.98
37	95-015	San Pedro Riparian National Conservation Area Watershed Rehabilitation/ Restoration Project	\$286,000.00
38	95-016	Refinement of Geologic Model, Lower Cienega Basin, Pima County, Arizona	\$7,390.00
49	95-017	Restoration of Fossil Creek Riparian Ecosystem	\$59,693.00
54	95-018	Autecology and Restoration of Sporobolus Wrightii Riparian Grasslands in Southern Arizona	\$53,734.00
55	95-019	Quantifying Anti-Erosion Traits of Streambank Graminoids	\$14,910.00
61	95-020	Teran Watershed Enhancement	\$151,753.00
65	95-021	Lofer Cienega Restoration Project	\$161,204.00
66	95-022	Gooseberry Watershed Restoration Project	\$126,406.00
69	95-023	Sabino Creek Riparian Ecosystem Protection Project	\$16,385.00
80	95-024	Potrero Creek Wetland Characterization and Management Plan	\$75,300.00
83	96-0004	Hydrologic Investigation & Conservation Planning: Pipe Springs	\$50,000.00
90	96-0010	Rehabilitating the Puertocito Wash on the Buenos Aires National Wildlife Refuge	\$83,432.00
92	96-0016	'Ahakhav Tribal Preserve	\$1,131,477.00
49	95-017	Restoration of Fossil Creek Riparian Ecosystem	\$59,693.00
54	95-018	Autecology and Restoration of Sporobolus Wrightii Riparian Grasslands in Southern Arizona	\$53,734.00
55	95-019	Quantifying Anti-Erosion Traits of Streambank Graminoids	\$14,910.00
61	95-020	Teran Watershed Enhancement	\$151,753.00
65	95-021	Lofer Cienega Restoration Project	\$161,204.00
66	95-022	Gooseberry Watershed Restoration Project	\$126,406.00
69	95-023	Sabino Creek Riparian Ecosystem Protection Project	\$16,385.00
80	95-024	Potrero Creek Wetland Characterization and Management Plan	\$75,300.00
83	96-0004	Hydrologic Investigation & Conservation Planning: Pipe Springs	\$50,000.00
90	96-0010	Rehabilitating the Puertocito Wash on the Buenos Aires National Wildlife Refuge	\$83,432.00

* The "Grant Amount" column represents the full grant awarded for each project and will total more than the grant disbursements and grant obligations sections on the financial page. Some grants have been completed for less money than the amount budgeted while others have terminated prior to expenditure of the full grant amount. This column has not been changed to reflect these situations.

List of AWPf Projects with Map Key

Map #	Grant #	Project Title	Grant Amount
92	96-0016	'Ahakhav Tribal Preserve	\$1,131,477.00
93	96-0017	Big Sandy River Riparian Project	\$92,000.00
94	96-0019	Response of Bebb Willow to Riparian Restoration	\$34,924.00
96	96-0003	Hoxworth Springs Riparian Restoration Project	\$31,545.00
99	96-0007	Ash Creek Riparian Protection Project	\$19,248.00
100	96-0012	Eagle Creek Watershed and Riparian Stabilization	\$80,626.00
101	96-0005	Tres Rios River Management & Constructed Wetlands Project	\$1,000,000.00
103	96-0022	Saffell Canyon and Murray Basin Watershed Restoration	\$27,143.62
108	96-0025	Tsaile Creek Watershed Restoration Demonstration	\$152,775.00
109	96-0011	Lower Colorado River – Imperial Division Restoration	\$435,928.00
113	96-0014	Klondyke Tailings Response Strategy Analysis (RSA)	\$77,614.00
115	96-0023	Watershed Restoration at the Yuma Conservation Gardens	\$31,050.00
118	96-0008	Watson Woods Vegetation Inventory	\$16,115.00
119	96-0009	Watson Woods Riparian Preserve Visitor Management	\$8,556.79
120	96-0006	Hydrogeologic Investigation of Groundwater Movement and Sources of Base Flow to Sonoita Creek and Implementation of Long-Term Monitoring Program	\$155,715.00
122	96-0018	San Carlos Spring Protection Project	\$131,540.00
124	96-0013	Happy Valley Riparian Area Restoration Project	\$64,697.00
127	96-0015	Abandonment of an Artesian Geothermal Well	\$113,360.00
130	96-0002	Completion Phase: Hi-Point Well Project	\$77,844.00
133	96-0026	Riparian Restoration on the San Xavier Indian Reservation Community	\$591,319.00
135	96-0020	Cienega Creek Stream Restoration	\$210,700.00
140	96-0001	San Pedro Riparian National Conservation Area Watershed Protection and Improvement Project	\$89,250.00
151	96-0021	Riparian Vegetation and Stream Channel Changes Associated with Water Management along the Bill Williams River	\$14,788.00
153	97-027	Lyle Canyon Allotment Restoration Project	\$60,359.57
155	97-028	Creation of a Reference Riparian Area in the Gila Valley – Discovery Park	\$182,000.00
159	97-029	Demonstration Enhancement of Pueblo Colorado Wash at Hubbell Trading Post	\$91,110.00
160	97-030	Walnut Creek Center for Education and Research – Biological Inventory	\$50,580.00
161	97-031	Lincoln Park Riparian Habitat Project (f.k.a. Atturbury Wash Project)	\$154,580.00
162	97-032	'Ahakhav Tribal Preserve – Deer Island Revegetation	\$228,800.00
163	97-033	Proctor Vegetation Modification	\$11,487.00
164	97-034	Oak Tree Gully Stabilization	\$42,491.00
165	97-035	Watershed Improvement to Restore Riparian and Aquatic Habitat on the Muleshoe Ranch CMA	\$128,315.00
166	97-036	Stable Isotopes as Tracers of Water Quality Constituents in the Upper Gila River	\$27,338.00
168	97-037	Talastima (Blue Canyon) Watershed Restoration Project	\$310,192.00
171	97-038	Tres Rios Wetland Heavy Metal Bioavailability Design for Denitrification and Microbial Water Quality	\$117,028.00
175	97-040	Bingham Cienega Riparian Restoration Project	\$84,679.00
178	97-041	Altar Valley Watershed Resource Assessment	\$88,730.00
180	97-042	Queen Creek Restoration and Management Plan	\$207,595.00
185	97-044	San Pedro River Preserve Riparian Habitat Restoration Project	\$346,627.00
188	97-045	Santa Cruz Headwaters Project	\$100,445.00

List of AWPf Projects with Map Key

Map #	Grant #	Project Title	Grant Amount
189	98-046	EC Bar Ranch Water Well Project	\$20,300.00
190	98-047	Upper Verde Adaptive Management Unit	\$115,300.00
193	98-049	Empire/Cienega/Empirita Fencing Project	\$54,850.00
197	98-050	Watershed Restoration of a High Elevation Riparian Community	\$304,775.00
198	98-051	Evaluation of Carex Species for Use in Riparian Restoration	\$47,907.00
200	98-052	Tritium as a Tracer of Groundwater Sources and Movement in the Upper Gila River Drainage	\$41,028.00
203	98-054	Fluvial Geomorphology Study and Demonstration Projects to Enhance and Restore Riparian Habitat on the Gila River from the New Mexico Border	\$449,872.00
206	98-055	Horseshoe Allotment: Verde Riparian Project II	\$82,561.99
208	98-057	Upper Verde Valley Riparian Area Historical Analysis	\$44,019.00
209	98-058	Effects of Removal of Livestock Grazing on Riparian Vegetation and Channel Conditions of Selected Reaches of the Upper Verde River	\$116,500.00
212	98-059	Verde River Headwaters Riparian Restoration Demonstration Project	\$204,629.00
214	98-061	Watershed Enhancement on the Antelope Allotment	\$137,307.00
215	98-062	Partnership for Riparian Conservation in Northeastern Pima County II	\$54,734.55
220	98-066	Hay Mountain Watershed Rehabilitation	\$116,525.00
223	99-067	EC Bar Ranch Wildlife Drinker Project	\$30,500.00
224	99-068	Lower Cienega Creek Restoration Evaluation Project	\$83,272.00
225	99-069	Riparian and Watershed Enhancements on the A7 Ranch – Lower San Pedro River	\$521,197.45
227	99-070	Lyle Canyon Allotment Riparian Area Restoration Project --- Phase 2	\$214,211.00
230	99-071	Protection of Spring and Seep Resources of the South Rim, Grand Canyon National Park by Measuring Water Quality, Flow, and Associated Biota	\$238,953.00
231	99-072	Leopard Frog Habitat and Population Conservation at Buenos Aires National Wildlife Refuge	\$120,485.00
232	99-073	Colorado River Nature Center Backwater --- Phase 2	\$41,500.00
233	99-074	Proposal to Inventory, Assess, and Recommend Recovery Priorities for Arizona Strip Springs, Seeps, and Natural Ponds	\$101,856.00
234	99-075	Glen and Grand Canyon Riparian Restoration Project	\$371,285.00
235	99-076	Watson Woods Preserve Herpetological Interpretive Guide and Checklist	\$31,255.55
236	99-077	Blue Box Crossing	\$150,000.00
237	99-078	Aquifer Framework and Ground-Water Flow Paths in Big and Little Chino Basins	\$188,140.00
238	99-079	Little Colorado River Riparian Restoration Project	\$404,587.00
239	99-080	Cortaro Mesquite Bosque	\$486,650.00
242	99-083	Cherry Creek Enhancement Demonstration Project	\$263,225.00
243	99-084	Assessments of Riparian Zones in the Little Colorado River Watershed	\$79,443.50
244	99-085	Kirkland Creek Watershed Resource Assessment	\$131,430.00
245	99-086	Abandonment of Gila Oil Syndicate Well #1	\$333,790.00
246	99-087	Rillito Creek Habitat Restoration Project	\$293,000.00
247	99-088	Wickenburg High School Stream Habitat Creation	\$69,100.00
248	99-089	Town of Eager/Round Valley Water Users Association Pressure Irrigation Feasibility Study & Preliminary Design	\$320,540.00

List of AWPf Projects with Map Key

Map #	Grant #	Project Title	Grant Amount
249	99-090	Redrock Riparian Improvement	\$62,350.00
250	99-091	Effects of Livestock Use Levels on Riparian Trees on the Verde River	\$41,417.00
251	99-092	Little Colorado River Enhancement Demonstration Project	\$348,627.94
252	99-093	Coconino Plateau Regional Water Study	\$134,200.00
253	99-094	Santa Cruz River Park Extension	\$434,684.00
254	99-095	Brown Creek Riparian Restoration	\$34,037.00
256	99-096	Upper Santa Cruz Watershed Restoration	\$184,950.00
258	99-097	Dakini Valley Riparian Project	\$66,130.00
259	99-098	Rio Salado Habitat Restoration Project	\$950,408.00
261	00-099	Gila Reference Riparian Area, Discovery Park	\$152,850.80
262	00-100	Willow Creek Riparian Restoration Project	\$33,480.00
263	00-101	Murray Basin and Saffell Canyon Watershed Restoration Project	\$260,727.83
264	00-102	Upper Eagle Creek Restoration on East Eagle Allotment: 4 Drag Ranch	\$66,330.00
265	00-103	Riparian Restoration on the Santa Cruz River – Santa Fe Ranch	\$49,008.00
266	00-104	Continued Enhancement of Pueblo Colorado Wash at Hubbell Trading Post National Historic Site	\$69,349.00
267	00-105	Hubbell Trading Post Riparian Restoration with Treated Effluent	\$81,951.00
268	00-106	Tres Alamos Dirt-Tanks-To-Aquatic-Habitat-Conversion	\$69,220.56
271	00-108	Lake Mary Watershed Streams Restoration	\$253,119.00
272	00-109	Lower San Pedro Watershed Project	\$249,871.00
273	00-110	Upper Fairchild Draw Riparian Restoration	\$35,515.00
275	00-111	Cooperative Grazing Management for Riparian Improvement on the San Pedro	\$228,701.00
276	00-112	Town of Eagar/Round Valley Water Users Association Pressure Irrigation Feasibility Study and Preliminary Design – Additional Mapping for Water Quality Improvements in the Watershed	\$151,829.00
277	00-113	Polacca Wash Grazing Management	\$267,511.00
278	00-114	The Papago Park Greenline Project	\$229,152.00
279	00-115	Tucson Audubon Society North Simpson Farm Riparian Recovery Project	\$127,409.30
281	03-116	Cottonwood Creek Restoration	\$185,772.50
283	03-117	Lynx Creek Restoration at Sediment Trap #2	\$179,771.50
284	03-118	Verde River Riparian Area Partnership Project	\$111,221.00
285	03-119	Wet Meadows for Water Quality and Wildlife – A Riparian Restoration Project	\$137,027.30
292	04-120	Verde River Headwaters 3-D Hydrogeological Model Framework and Visualization	\$46,634.00
296	04-121	Lynx Creek Restoration	\$266,020.00
299	04-122	Watson Woods Riparian Preserve Restoration Feasibility Project	\$198,627.00
300	04-123	Tucson Audubon Society, Santa Cruz River Habitat Project, North Simpson Site, Phase 2	\$130,786.00
301	04-124	Yuma East Wetlands Riparian Revegetation Project	\$285,878.25
302	05-125	Wilkins' family Little Colorado River Riparian Enhancement Project	\$293,618.00
304	05-126	X Diamond Ranch LCR Riparian Enhancement Project	\$352,119.00
305	05-127	EC Bar Ranch Reach 8 Water Well and Drinker Project	\$22,235.00
306	05-128	Canyon Creek Riparian Restoration Project, Reach 4-5	\$106,919.00
308	05-129	Georges Lake Riparian Restoration Project	\$168,636.50

List of AWPf Projects with Map Key

Map #	Grant #	Project Title	Grant Amount
310	05-130	Riparian Restoration on the San Xavier District – Project Two	\$36,353.00
313	05-131	Management & Control of Tamarisk and Other Invasive Vegetation at Backcountry Seeps, Springs, and Tributaries in Grand Canyon National Park	\$245,500.00
314	05-132	Esperanza Ranch Riparian Restoration Project	\$279,411.50
315	05-133	Verde Wild and Scenic River Fence Enclosure	\$63,888.50
317	05-134	Quechan Indian Nation Yuma East Wetlands Restoration Project – Phase I	\$263,803.25
318	06-135	Double Circle Ranch Riparian Fencing Project	\$88,448.00
321	06-136	The Arboretum at Flagstaff Wetland Habitat Enhancement	\$91,000.00
323	06-137	Pakoon Springs Restoration Design and Implementation Project	\$262,103.00
324	06-138	Management and Control of Tamarisk and Other Invasive Vegetation at Backcountry Seeps, Springs, and Tributaries in Grand Canyon National Park - Second Year of Phase II	\$258,397.00
325	06-139	Coal Mine Fence	\$187,013.00
327	06-140	Yuma Crossing National Heritage Area Yuma East Wetlands Restoration Project - Phase I	\$256,790.00
329	07-141	Picture Canyon Rio de Flag Meander Restoration Project	\$330,225.00
331	07-142	Reduction of Erosion and Sedimentation along the Lower San Pedro River Through Hydrologic Restoration of Modified Ephemeral Washes	\$396,409.00
335	07-143	Little Colorado River & Nutrioso Creek Riparian Enhancement Project	\$198,996.00
336	07-144	Evaluation of Riparian Habitat and Headcutting on Lower Cienega Creek	\$23,972.00
338	07-145	Kaler Ranch Erosion Control Project, Phase II	\$284,332.00
339	07-146	Little Colorado River Project on H-Y Ranch River Property	\$53,000.00
340	07-147	The Effects of Restoration on Wildlife Recovery at the Yuma East Wetlands Restoration Project	\$68,016.00
341	07-148	South Channel Phase II Restoration Project	\$603,487.00
342	07-149	Control of Tamarisk on 12 Miles of the Upper Verde River	\$366,390.00
348	07-150	Fairchild Draw Riparian Restoration Project	\$172,674.00
349	08-151	Test of Riparian Recovery Following Cessation of Groundwater Pumping, Lower San Pedro	\$61,795.000
350	08-152	AWPF Yuma East Wetlands 68-acre Riparian Revegetation	\$746,667.60
351	08-153	The Effects of Restoration on Herpetofaunal and Mammalian Community Recovery	\$156,833.40
352	08-154	Billy Creek Natural Area Riparian Restoration Project	\$248,826.00
353	08-155	Restoration of the Gila River at Apache Grove	\$744,747.00\$
354	08-156	Cocopah Colorado River Restoration	\$296,708.00
355	08-157	Paria River Exotic Removal Project: Phase I	\$293,960.10
356	08-158	Watson Woods Riparian Preserve Restoration Project	\$798,988.00
357	08-159	Hoxworth Springs Stream Channel restoration Project	\$142,543.20
358	08-160	Atturbury Wash Riparian Stewardship Project	\$390,839.00
359	08-161	Montezuma Well Riparian Pasture Restoration Project	\$296,155.00

Appendix B: Financial Statement

ARIZONA WATER PROTECTION FUND
 Combined Statement of Receipts, Expenditures and Fund Balance
From Inception July 1, 1994 Through 13th Month, 2008
 (000's Omitted)

RECEIPTS:

Transfers In-		
Appropriation From General Fund		
FY 94 through FY 99	21,116	
From Picacho Reservoir Project 3/31/00	1,594	22,710
Investment Income	7,227	
Interstate Water Sales (CAP)	10,773	
Receipts and Donations	10	18,010
TOTAL RECEIPTS		40,720

EXPENDITURES:

ADWR Support	5,889	
ASLD Support	215	
Commission Expenses	72	
Grant Disbursements	25,580	
TOTAL EXPENDITURE		31,756

FUND CASH BALANCE		8,964
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LESS REMAINING GRANT OBLIGATIONS		-6,852
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TOTAL		2,112
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ACCOUNTS

GRANT FUNDS		1,614
ADMINISTRATION EXPENSES		498
TOTAL ACCOUNTS		2,112