Resources Management Plan

Aztec Ruins National Monument

Fiscal Year 1992

Recommended by:

Superintendent, Aztec Ruins NM — Date 9/30/91

Approved by:

Regional Director, Southwest Region — Date 12/4/91

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Introduction

Aztec Ruins National Monument was established in 1923 by Presidential Proclamation 1650 (January 24, 1923, 42 stat. 2295, appended). In recognition of a "ruin of great antiquity and historical interest", President Warren G. Harding established the national monument "with a view to the preservation of said ruin for the enlightenment and culture of the Nation."

Several parcels were added in later years to bring the monument to 27.14 acres by 1948. Public Law 100-559, October 28, 1988, title VI, expanded the monument boundaries to nearly 320 acres.

The General Management and Development Concept Plan (GMP), approved in September, 1989, describes the significance of the monument, which "lies in its great physical remains, the stories of past cultures that occupied the Animas River valley, and its role in a larger regional prehistoric context. Because of its many unexcavated features, the monument holds great potential for future scientific inquiry into the archeology of the American Southwest. In addition, because of its association with early-day archeologist Earl Morris, the story of Aztec Ruins encapsulates the history of American archeology throughout the Southwest".

By virtue of it being a Chacoan outlier, the monument was added to the World Heritage List in 1987.

The following resource related management objectives are listed in the GMP:

> Identify, evaluate, protect, preserve, and mitigate deterioration and vandalism of prehistoric and historic resources that trace human use of the area.
>
> Investigate and fully document/record the monument's cultural resources to benefit future scientific research and interpretation and facilitate ongoing stabilization and maintenance operations.
>
> Operate an ongoing, comprehensive cultural resource maintenance program cognizant of the cultural affiliations, integrity, and scientific value of the ruins.
>
> Obtain sufficient knowledge of the story of Aztec Ruins and related areas, and of the role of Aztec Ruins in American Southwest archeology to ensure an adequate data base for full interpretive development.
>
> Eliminate or mitigate all significant external and internal threats to the cultural resources of the monument.
>
> Manage the natural resources to preserve the scene and to complement the monument's cultural resources, visitor uses

and facilities.

Ensure an adequate supply of water for current and future needs.

The Resources Management Plan (RMP) reflects these objectives and needs identified in the GMP. Cost projections are estimates which are subject to change with further project planning. When lands within the 1988 expanded boundaries are acquired, the RMP will be updated and projects added to reflect management needs.

Present Resource Status
Natural Resource Baseline Information

The primary resource is cultural. The management objective is to manage the natural resources to preserve the scene and complement the cultural resources, visitor uses, and facilities. Baseline information must enable the monument to meet that objective.

Although we do not meet many of the basic standards for Level I Inventory and Monitoring, as described in NPS-75 (1988), presently the data are not critically needed for management. However, we will need certain data when land is acquired within the expanded boundaries. Data will be much more useful when gathered in this context.

Geo-Physical Inventorying and Monitoring

Basic Inventorying (Meets Level I)

The US Weather Service established a station at the monument, where we record temperature and precipitation. Unusual events such as high winds, extreme weather, ice, etc. are also recorded.

USGS maps at the 1:24000 scale exist for the monument.

The monument has aerial photography, including black and white and infrared flown in 1974, in addition to black and white imagery flown in 1987.

Geology (Does Not Meet Level I)

There are no geologic maps for the monument. A 1979 Water Resources Report No. 80-2, "Aztec Ruins Water Investigation" by Paul K. Christensen describes to a minimal extent some of the soils in the monument where test wells were dug. This is sufficient for present needs.

Hydrology (Does Not Meet Level I)

There is no watershed map. Water Resources Report No. 80-2 mentioned above describes the local hydrology, some groundwater problems, and the nature of the aquifer. Elevations of the test wells need to be placed on a map. There are no streams, lakes, or wetlands.

Meteorology (Does Not Meet Level I)

Although wind speed, relative humidity, barometric pressure and other aspects are not measured, data retrieved by the present weather station are sufficient for management needs.

Biological Inventorying and Monitoring (Does Not Meet Level I)

There is a plant list developed by Ora Clark for the region around Aztec Ruins which needs updating. There are some incomplete bird lists. There is no checklist for reptiles. There is a checklist for mammals, however, researcher and when it was compiled are unknown. Accurate lists will be needed when additional lands are acquired. This information will be used to develop level II monitoring needs.

Human Use (Activities) Inventorying and Monitoring (Does Not Meet Level I)

The General Management Plan addresses demography of the area, ownership of lands within the expanded boundaries, human activities, and other regional land use planning. Presently this information meets management needs. There is no information about the domestic animals within the expanded boundaries.

Human use is largely restricted to the established trail in the West Ruin.

Present Resource Status
Cultural and Natural Resources

This section addresses cultural and natural resources within the original 27 acre boundary.

Archeological Sites

There are two large pueblos, the East and West Ruins, a smaller pueblo called the Earl Morris Ruin, two confirmed tri-wall structures--the Hubbard Site and Mound F, a possible third tri-wall structure, Mound A, and six other mounds of various sizes, some of which are trash middens, earthworks, and unknown structures.

The West Ruins and Hubbard Site have been extensively excavated and stabilized. Only 14 rooms of the East Ruin have been excavated with accompanying stabilization work. Some of the other mounds have been tested but not excavated.

There are severe problems with the excavated ruins, particularly the West Ruin and the Hubbard Site. The major deteriorating agents that damage the ruins include moisture from precipitation; freeze-thaw; multiple preservation treatments, many of which are incompatible with the resource or past treatments; eroded wall capping, poor drainage, and differential soil levels throughout the excavated ruins. These actions have resulted in basal and wall capstone erosion; formation of voids; fallen veneer; moving or extensively cracked walls; eroded plaster; stone deterioration; and accelerated erosion from uneven deterioration of previous treatments.

Although intermittent stabilization has treated some of the problems, a substantial amount of work is needed to bring the ruins to a maintenance level. Causes of deterioration, such as improper water drainage and differential soil levels also need to be addressed.

All 27 acres have been surveyed for archeological resources. However, all sites have not been recorded to NPS-28 standards. Documentation for the National Register of Historic Places has been completed but not yet submitted. This documentation defines the entire monument as one archeological site with 12 components. One of the components is the reconstructed great kiva.

Structures

The visitor center, which was also Earl Morris' home and the American Museum of Natural History's field station, is one of two historic structures. The great kiva was reconstructed in 1934 on the site of the original structure.

The visitor center is used for a variety of purposes, including administrative offices, curatorial storage, exhibit area, and

visitor contact. Rehabilitation of exhibits and remodeling of its interior to convert it to primarily visitor use are identified in the GMP. The structure receives regular maintenance.

Original walls and features in the great kiva were dismantled for the reconstruction, so that very little if any of the original structure remains. Nearly all of the monument's 80,000+ visitors walk through the kiva. Stabilization activities have focused on interior painting, repointing of exterior mortar joints, and replacement of primary vigas.

This structure is included in the National Register nomination for the prehistoric elements within the monument. A nomination for the historic element, the visitor center, was partially completed.

Cultural Landscape

The character of the landscape during the approximate 200 years of occupation by the Anasazi probably will remain unknown. Historically the landscape within the monument has been affected by visitor use with accompanying trails and picnic area, the presence of modern structures such as the visitor center, landscaping using non-native trees and vegetation (within the picnic area especially), a system of irrigation ditches, stabilization and excavation activities, agricultural activities, and "beautification" projects which included a large amount of earthmoving. Development identified in the GMP includes rerouting of the existing interpretive trail, adding new interpretive trails, and removing some structures.

Adjacent to the monument, modern developments are visible to the south, west, and north. Oil and gas drilling, a trailer park, a busy county road, and housing development affect the scene beyond park boundaries.

There is no cultural landscape plan for the monument.

Objects

The monument houses about 1500 archeological objects, in addition to about 9 linear feet of archival objects, which include photographs. The Western Archeological and Conservation Center (WACC) houses the bulk of remaining items, including approximately 63,500 objects transferred in 1991 from the NPS Southwest Regional Office. The backlog of 8,400 objects long held at the monument were transferred in 50 boxes to WACC in 1991. All of the transferred items were catalogued. There remain about 54,000 objects in the Southwest Regional Office needing cataloging. There are no items stored at WACC which need cataloging. All archeological objects at the monument have been cataloged, but there are some archival objects which still need cataloging.

The condition of most of the items is good to excellent. Approximately 25% of the items need a collection condition survey.

Ethnographic Resources

Pueblo people living in Arizona and New Mexico are the descendants of the Anasazi. No specific group has claimed direct historical affiliation with Aztec Ruins, although there are references in some ethnographic literature indicating a connection. Hopis have danced in the Great Kiva and West Ruin plaza. Pueblo people visit the site, but rarely tell us if their visit is for ceremonial or cultural reasons.

Consultation with Pueblo people has not begun. An ethnographic study is needed to determine the extent and nature of connections with modern cultures so that management can consider this information.

Natural Resources

The monument was established for its cultural resource values. Natural resources are managed to complement these values. There have been no baseline information gathering studies in the monument. When lands are acquired within the expanded boundaries, studies to cover the additional acreage and the original monument will be appropriate.

Water resources and rights are important. Water rights are known for the original 27 acres, but not for within the expanded boundaries. An existing water right needs documentation of use to assure its continued existence.

Cultural Context/Theme

The monument fits under the cultural theme of "Cultural Developments: Indigenous American Populations" as listed in History and Prehistory in the National Park System and the National Historic Landmarks Program (1987). The sub-theme of "Prehistoric Archeology" further defines the general theme.

Categories of significance listed in the nomination for the National Register of Historic Places are: archeology--prehistoric, architectural, commerce, and engineering.

The following property types are associated with the general theme:

- Prehistoric structures and mounds
- Collection of prehistoric artifacts
- Collection of historic photographs
- Archival collection of excavation reports and correspondence

Overview of Current Program and Needs

There are 26 cultural resource project statements covering a variety of needs: ruins stabilization and preservation, collections preservation, archeological and historical research, historic structure and excavation reports, and various resource studies. Priorities assigned to projects reflect management's foremost concerns for preserving the resource by preventing further deterioration by various agents. The first five priorities among the cultural resource projects address the most significant problems:

Priority 1: C-015 Ruins Stabilization
Lack of funds for regular stabilization of the ruins has created an extensive problem needing immediate attention. We received $20,000 in project funds for FY 91 from the Southwest Regional Office to begin emergency stabilization. A Scope of Work was prepared which will guide emergency work for FY 92 and after. Unless project funds are available, we are unable to do stabilization work. This project identifies a four year program of stabilization needed to bring the ruins to a maintenance level. The budget and FTE's in the project statement covers costs for actual stabilization work, in addition to an archeologist to prepare additional scopes of work, and to complete room documentation and stabilization reports.

Priority 2: C-002 Study and Correct Water Drainage Problems
This study and its implementation are necessary to prevent further damage, both short and long term, to the ruins from inadequate water drainage. It is also necessary in order to complete the next priority project. Its implementation will reduce long term stabilization needs.

Priority 3: C-020 Comprehensive Preservation Plan
Information from C-002, "Study and Correct Water Drainage Problems", will be used in this plan along with other data to identify rooms needing to be backfilled. This four year program covers planning, documentation and testing, stabilization, backfilling, and reporting. Stabilization identified in C-015 would support this plan. The plan's implementation will reduce ongoing and long term stabilization needs.

Priority 4: C-005 Study and Preserve Plaster in 117 & 156
Two unusual plaster remnants are experiencing long-term detachment due to moisture infiltration and salt deposition. No action will result in further damage. Further monitoring of room 156 to determine source of problems is needed. We will make a decision regarding action for room 117 when study data is complete.

Priority 5: C-009 Historic Structure Preservation Guide
Logically and ideally, this guide would be developed after above projects are completed. The guide would document actions needed to monitor, maintain, and evaluate maintenance activities connected with ruins preservation.

The priorities listed are critical to preserving the resource and preventing further deterioration.

There are three natural resource project statements. These reflect immediate needs for preservation of the cultural resource, retention and exploration of water rights, and safety of the visitors. Projects in future RMP's will include studies to develop baseline resource information for lands acquired within the expanded boundary.

There are no permanent personnel who work exclusively with resources management. In FY 91, the Chief of Interpretation and Resources Management devoted approximately .1 FTE to resource related duties, such as updating the RMP, preparing XXX's, supervising stabilization activities, and assisting regional personnel. A GS-7 park ranger spent approximately .2 FTE working on the curatorial collection. A GS-4 seasonal park ranger worked .2 FTE on the curatorial collection. A permanent Masonry Worker worked about .4 FTE on stabilization activities and reports. Four seasonal masonry workers worked about .5 FTE on stabilization activities.

It is unknown how much FTE will be devoted to resources projects in FY 92. Much of the curatorial and stabilization work in FY 91 was accomplished through project funding. Usually we do not know of the availability of project funding until about February of the fiscal year. We assume there will be no project funding available in FY 92.

FY: 91
PARK: AZRU
Region: SWR

TABLE 1
NPS RESOURCE PERSONNEL
(current year only)

TYPE OF NPS EMPLOYEE	FTEs OF RESOURCES WORK		
	Natural	Cultural	Total
Research Scientists			
Resources Specialists			
025 Park Rangers Res Mgmt		0.2	0.2
025 Park Rangers Res Pro			
025 Park Rangers Res Int		0.3	0.3
Maintenance Personnel		0.9	0.9
Total of RES Personnel		1.4	1.4
TOTAL PARK FTE: 8.1 PERCENT		17.3	17.3

FY: 92
PARK: AZRU
Region: SWR

TABLE 1
NPS RESOURCE PERSONNEL
(current year only)

TYPE OF NPS EMPLOYEE	FTEs OF RESOURCES WORK		
	Natural	Cultural	Total
Research Scientists			
Resources Specialists			
025 Park Rangers Res Mgmt			
025 Park Rangers Res Pro			
025 Park Rangers Res Int		0.2	0.2
Maintenance Personnel	0.1	0.4	0.5
Total of RES Personnel	0.1	0.6	0.7
TOTAL PARK FTE: 7.3 PERCENT	1.4	8.2	9.6

CULTURAL
PROGRAMMING SHEET 1
CURRENT YEAR FUNDED ACTIVITIES
($ in thousands)

FY: 92
PARK: AZHU
REGION: SAR

PROJ SUMM NUM	PROJECT OR ACTIVITY TITLE	PHC NUM	CULT RES TYPE	SERVICEWIDE ISSUE	FUNDING SOURCE	ACT TYPE	CURRENT YEAR $$	CURRENT YEAR FTE	OUTYEAR 1 $$	OUTYEAR 1 FTE	OUTYEAR 2 $$	OUTYEAR 2 FTE	OUTYEAR 3 $$	OUTYEAR 3 FTE	TOTAL $$	TOTAL FTE

-NATURAL
PROGRAMMING SHEET 1
CURRENT YEAR FUNDED ACTIVITIES
($ in thousands)

FY: 92
PARK: AZRU
REGION: SWR

PROJ SIMT NUM	PROJECT OR ACTIVITY TITLE	PRG NUM	CULT RES TYPE	SERVICEWIDE ISSUE	FUNDING SOURCE	ACT TYPE	CURRENT YEAR $$	CURRENT YEAR FTE	OUTYEAR 1 $$	OUTYEAR 1 FTE	OUTYEAR 2 $$	OUTYEAR 2 FTE	OUTYEAR 3 $$	OUTYEAR 3 FTE	TOTAL $$	TOTAL FTE

NATURAL
PROGRAMMING SHEET 2
UNFUNDED ACTIVITIES
($ in thousands)

FY: 92
PARK: AZRU
REGION: SWR

PK PRI	PROJ STMT NUM	PROJECT OR ACTIVITY TITLE	PRG NUM	CULT RES TYPE	SERVICE WIDE ISSUES	FUNDING SOURCE	ACT TYPE	STARTING YEAR $$	STARTING YEAR FTE	CUTYEAR 1 $$	CUTYEAR 1 FTE	CUTYEAR 2 $$	CUTYEAR 2 FTE	CUTYEAR 3 $$	CUTYEAR 3 FTE	TOTAL $$	TOTAL FTE
3	001	WATER RIGHTS STUDY	N13														
						RECN-NR	PRO	3.0	0.2							3.0	0.2
						WATER RES	RES			10.0	0.4	10.0	0.4			20.0	0.8
		TOTAL FOR ALL ACTIVITIES						3.0	0.2	10.0	0.4	10.0	0.4			23.0	1.0
1	003	REDUCE VEGETATION FIRE HAZARD	N08														
						FIRE PRO	ADM	1.0	0.1							1.0	0.1
						FIRE PRO	MIT	7.0	0.3							7.0	0.3
		TOTAL FOR ALL ACTIVITIES						8.0	0.4							8.0	0.4
2	004	CONTROL EXOTIC/NOXIOUS PLANTS AND ANIMALS	N04 N05														
						RECN-NR	PRO	2.0	0.3	2.0	0.3	2.0	0.3	2.0	0.3	8.0	1.2
		TOTAL FOR ALL ACTIVITIES						2.0	0.3	2.0	0.3	2.0	0.3	2.0	0.3	8.0	1.2

CULTURAL
PROGRAMMING SHEET 2
UNFUNDED ACTIVITIES
($ in thousands)

FY: 92
PARK: AZRU
REGION: SWR

PK PRI	PROJ STMT NUM	PROJECT OR ACTIVITY TITLE	PHG NUM	CULT RES TYPE	SERVICE WIDE ISSUES	FUNDING SOURCE	ACT TYPE	STARTING YEAR $$	STARTING YEAR FTE	CUTYEAR 1 $$	CUTYEAR 1 FTE	CUTYEAR 2 $$	CUTYEAR 2 FTE	CUTYEAR 3 $$	CUTYEAR 3 FTE	TOTAL $$	TOTAL FTE
2	002	STUDY AND CORRECT WATER DRAINAGE PROBLEMS		SITE	C10 C12	CRPP	RES	50.0	1.5							50.0	1.5
						CRPP	MIT			50.0	1.5	50.0	1.5			100.0	3.0
		TOTAL FOR ALL ACTIVITIES						50.0	1.5	50.0	1.5	50.0	1.5			150.0	4.5
6	003	HISTORIC STRUCTURE REPORT EAST,WEST,KIVA,HUBBARD	135	SITE	C05	CRPP	RES	60.0	1.5	60.0	1.5	60.0	1.5			180.0	4.5
		TOTAL FOR ALL ACTIVITIES						60.0	1.5	60.0	1.5	60.0	1.5			180.0	4.5
4	005	STUDY AND PRESERVE PLASTER IN 117 & 156		SITE	C10 C15	CYCLIC-CR	MIT	25.0	0.6	15.0	0.3					40.0	0.9
						CYCLIC-CR	MON	5.0	0.2							5.0	0.2
		TOTAL FOR ALL ACTIVITIES						30.0	0.8	15.0	0.3					45.0	1.1
7	007	HISTORIC STRUCTURE REPORT VISITOR CENTER	134	STRC	C05	REGN-CR	RES	20.0	0.5							20.0	0.5
		TOTAL FOR ALL ACTIVITIES						20.0	0.5							20.0	0.5
26	008	HISTORIC RESOURCE STUDY	134	SITE	C26	REGN-CR	RES	25.0								25.0	
		TOTAL FOR ALL ACTIVITIES						25.0								25.0	
5	009	HISTORIC STRUCTURE PRESERVATION GUIDE	134	SITE	C06	CRPP	RES	35.0	1.0							35.0	1.0
		TOTAL FOR ALL ACTIVITIES						35.0	1.0							35.0	1.0
8	010	CULTURAL LANDSCAPE REPORT	134	SITE	C11	CYCLIC-CR	RES	35.0	1.0							35.0	1.0
		TOTAL FOR ALL ACTIVITIES						35.0	1.0							35.0	1.0
20	011	UPDATE LIST OF CLASSIFIED STRUCTURES			C07	PARK-CR	ADM	1.0	0.1							1.0	0.1
						REGN-CR	ADM	1.0	0.1							1.0	0.1

PR	PROJ STMT NUM	PROJECT OR ACTIVITY TITLE	PRG NUM	CULT RES TYPE	SERVICE WIDE ISSUES	FUNDING SOURCE	ACT TYPE	STARTING YEAR $$	STARTING YEAR FTE	CUTYEAR 1 $$	CUTYEAR 1 FTE	CUTYEAR 2 $$	CUTYEAR 2 FTE	CUTYEAR 3 $$	CUTYEAR 3 FTE	TOTAL $$	TOTAL FTE
20	011	UPDATE LIST OF	C07			(CONT'D from previous page)											
		TOTAL FOR ALL ACTIVITIES						2.0	0.2							2.0	0.2
14	012	WALL BONDING STUDY	135 SITE C10														
						RECN-CR	RES	2.0	0.1							2.0	0.1
						CNON-NPS	INT			3.0						3.0	
		TOTAL FOR ALL ACTIVITIES						2.0	0.1	3.0						5.0	0.1
15	014	PREHISTORIC WOOD STUDY	135 SITE C10 C12														
						RECN-CR	RES	3.0		2.0	0.1					5.0	0.1
						PNCR-OTH	MIT	4.0	0.1	5.0	0.3					9.0	0.4
		TOTAL FOR ALL ACTIVITIES						7.0	0.1	7.0	0.4					14.0	0.5
1	015	RUINS STABILIZATION	SITE C12 C24														
						CYCLIC-CR	MIT	80.0	3.0	80.0	3.0	80.0	3.0	80.0	3.0	320.0	12.0
		TOTAL FOR ALL ACTIVITIES						80.0	3.0	80.0	3.0	80.0	3.0	80.0	3.0	320.0	12.0
21	017	ARCHEOLOGICAL EVALUATION OF MOUNDS	SITE C01 C14														
						RECN-CR	RES	5.0	0.2							5.0	0.2
						PNCR-OTH	PRO	1.0	0.1							1.0	0.1
		TOTAL FOR ALL ACTIVITIES						6.0	0.3							6.0	0.3
13	018	CURATORIAL BACKLOG	OBJC C03														
						CRPP	MIT	7.0	0.4	7.0	0.4	7.0	0.4			21.0	1.2
						PARK-CR	ADM	1.0	0.1	1.0	0.1	1.0	0.1			3.0	0.3
		TOTAL FOR ALL ACTIVITIES						8.0	0.5	8.0	0.5	8.0	0.5			24.0	1.5
3	020	COMPREHENSIVE PRESERVATION PLAN	135 SITE C12 C14														
						CRPP	ADM	10.0	0.2					20.0	0.5	30.0	0.7
						CRPP	RES			50.0	2.0	50.0	2.0			100.0	4.0
						CRPP	MIT			50.0	2.0	50.0	2.0	50.0	2.0	150.0	6.0
		TOTAL FOR ALL ACTIVITIES						10.0	0.2	100.0	4.0	100.0	4.0	70.0	2.5	280.0	10.7

PK PRI	PROJ STMT NUM	PROJECT OR ACTIVITY TITLE	PKG NUM	CULT RES TYPE	SERVICE WIDE ISSUES	FUNDING SOURCE	ACT TYPE	STARTING YEAR $$	STARTING YEAR FTE	OUTYEAR 1 $$	OUTYEAR 1 FTE	OUTYEAR 2 $$	OUTYEAR 2 FTE	OUTYEAR 3 $$	OUTYEAR 3 FTE	TOTAL $$	TOTAL FTE
9	021	ORAL HISTORY PROGRAM		SITE	C04 C10												
						RECN-CR	RES	8.0		8.0						16.0	
		TOTAL FOR ALL ACTIVITIES						8.0		8.0						16.0	
18	022	ARCHEOLOGICAL OVERVIEW AND ASSESSMENT		SITE	C26												
						RECN-CR	RES	20.0	0.6							20.0	0.6
		TOTAL FOR ALL ACTIVITIES						20.0	0.6							20.0	0.6
10	023	ETHNOGRAPHIC OVERVIEW AND ASSESSMENT		SITE	C04 C10												
						CRPP	RES	20.0								20.0	
		TOTAL FOR ALL ACTIVITIES						20.0								20.0	
25	024	BASE MAP OF CULTURAL RESOURCES AND INTRUSIONS	134	SITE	C01												
						CRPP	ADM	5.0	0.1							5.0	0.1
		TOTAL FOR ALL ACTIVITIES						5.0	0.1							5.0	0.1
12	025	UPDATE COLLECTIONS PLANS	134	OBJC	C09 C16												
						RCCR-OTH	ADM	2.0	0.1							2.0	0.1
						PARK-CR	ADM	1.0	0.1							1.0	0.1
						CRPP	MIT			5.0	0.1					5.0	0.1
		TOTAL FOR ALL ACTIVITIES						3.0	0.2	5.0	0.1					8.0	0.3
11	026	COLLECTION CONDITION SURVEY		OBJC	C15												
						CRPP	PRO	2.0	0.1							2.0	0.1
						PARK-CR	MIT	2.0	0.1	2.0	0.1					4.0	0.2
						CRPP	MIT	5.0	0.2	5.0	0.2					10.0	0.4
		TOTAL FOR ALL ACTIVITIES						9.0	0.4	7.0	0.3					16.0	0.7
19	027	ARCHEOLOGICAL COLLECTION STUDY		OBJC	C01 C10												
						RECN-CR	RES	35.0		30.0		25.0		50.0		140.0	
						CRNON-NPS	ADM							10.0		10.0	
		TOTAL FOR ALL ACTIVITIES						35.0		30.0		25.0		60.0		150.0	

CULTURAL
PROGRAMMING SHEET 2
UNFUNDED ACTIVITIES
($ in thousands)

FY: 92
PARK: AZRU
REGION: SWR

PK PRI	PROJ STMT NUM	PROJECT OR ACTIVITY TITLE	PHO NUM	CULT RES TYPE	SERVICE WIDE ISSUES	FUNDING SOURCE	ACT TYPE	STARTING YEAR $$	STARTING YEAR FTE	CUTYEAR 1 $$	CUTYEAR 1 FTE	CUTYEAR 2 $$	CUTYEAR 2 FTE	CUTYEAR 3 $$	CUTYEAR 3 FTE	TOTAL $$	TOTAL FTE
17	028	DUPLICATE RELATED PAPERS AND PHOTOGRAPHS		CBUC C01													
						ORNON-NPS	ADM	3.0		5.0						8.0	
		TOTAL FOR ALL ACTIVITIES						3.0		5.0						8.0	
16	029	REPORT OF 1984 EXCAVATION WORK		SITE C10 C14													
						ORPP	RES	50.0		50.0						100.0	
		TOTAL FOR ALL ACTIVITIES						50.0		50.0						100.0	
23	030	CULTURAL RESOURCES IMAGERY SEARCH		SITE C10													
						ORPP	RES	10.0	0.3							10.0	0.3
		TOTAL FOR ALL ACTIVITIES						10.0	0.3							10.0	0.3
24	031	LOW SUN ANGLE IMAGERY OF AZTEC RUINS REGION		SITE C14 C10													
						ORPP	RES	10.0								10.0	
		TOTAL FOR ALL ACTIVITIES						10.0								10.0	
22	032	ARCHEOLOGICAL SURVEY OF BOTTOMLANDS	134	SITE C14 C01													
						ORPP	RES	10.0	0.5							10.0	0.5
		TOTAL FOR ALL ACTIVITIES						10.0	0.5							10.0	0.5

TABLE 2
CURRENT YEAR NATURAL AND CULTURAL RESOURCES FUNDING
($ in thousands - funding by activity type)

FY: 92
PARK: AZRU
REGION: SAR

FUNDING SOURCE	TOTAL	RESEARCH/ DOCUMENTATION	MITIGATION / TREATMENT	MONITORING	PROTECTION	INTERPRETATION	PROGRAM ADMIN / TRAINING
ALL SOURCES							

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-002

TITLE: STUDY AND CORRECT WATER DRAINAGE PROBLEMS

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: SPECIAL STUDY PRESERVE MGMT

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER:

PROBLEM STATEMENT:

The problems of draining surface water and precipitation from ruin walls have hindered preservation since excavation. Several drainage systems have been installed through ruin walls, across roofs and fill, and below the ground in and around the ruins. They have met with varying success. Archeologist Larry Nordby of the Southwest Regional Office analyzed the drainage patterns in the West Ruin in 1984 and recommended ways to alleviate problems. Water Resources Report No. 80-2 written by Paul K. Christensen in 1979 suggests that groundwater probably does not affect the ruins. Water drainage problems still exist, contributing to deterioration of ruin walls.

DESCRIPTION OF ACTION:

1) Recommended Action:

Assess Nordby's report, and carry out appropriate recommendations. Study other sources of drainage problems and produce a design for alleviating problems and implementing remedies. Seek further technical assistance and consultation with the Water Resources Division in Ft. Collins. Maintain current drainage system. Produce detailed large-scale topographic maps and/or photographic and photogrammeteric documentation as necessary to identify surface drainage patterns among and immediately surrounding the walls. Recommendations involving backfilling of rooms will be considered in the Comprehensive Preservation Plan (project statement C 20). The CPP will also benefit from data regarding drainage problems. The current drainage system needs regular attention from the park maintenance staff to work efficiently. Additional drainage systems will also require maintenance.

Proposal Date: 92

PROJECT STATEMENT SHEET

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): NHPA EXCL

EXPLANATION: 516 DM6 App. 7.4 B

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	50.0	1.5

Year 2:	Source	Act Type	Budget($1000)	FTE
	CRPP	MIT	50.0	1.5

Year 3:	Source	Act Type	Budget($1000)	FTE
	CRPP	MIT	50.0	1.5

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-003

TITLE: HISTORIC STRUCTURE REPORT
EAST,WEST,KIVA,HUBBARD

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: NEED HSRS

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER: 135

PROBLEM STATEMENT:

Excavation and stabilization have been on going at Aztec Ruins since 1916. Through natural forces and stabilization work, architectural and archeological features have been removed, altered, and obliterated. Documentation of these activities, original conditions, techniques used, and results has been scant and in many cases non-existent. Alterations influence the interpretation of the ruins, as well as current preservation and stabilization work. Robert and Florence Lister researched Morris' correspondence regarding stabilization, but did not give detailed information regarding techniques and materials used in their administrative history of the monument. Architectural and archeological information regarding the original construction and appearance of the structures is still available through research of records, photographs, and by observation. This information is necessary for resource management projects and interpretation of the ruins.

DESCRIPTION OF ACTION:

1) Recommended Action:

Complete Historic Structures Reports for the East and West Ruins, the Great Kiva, and the Hubbard Site. These reports will document the original construction, dates and styles of all prehistoric additions and renovations, probable room functions, and a variety of other historic, architectural, anthropological, archeological, and engineering aspects of the structure and its setting. Research of Morris' and other documents, including historic photos, will help detail past stabilization techniques and materials. The order of prehistoric construction and remodeling of the West Ruin will be part of this study. Location and the nature of possible subsurface features will be

included. An inventory of graffiti on the roof vigas (which has been completed recently in the East Ruin) and other historic impacts will also be included. This project will be contracted to a researcher with expertise in ruins stabilization and archeology. Other projects in the RMP, including C-002 Study and Correct Water Drainage Problems and C-012 Wall Bonding Study will be a part of the HSR.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	60.0	1.5

Year 2:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	60.0	1.5

Year 3:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	60.0	1.5

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-005

TITLE: STUDY AND PRESERVE
PLASTER IN 117 & 156

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: SPECIAL STUDY CONSERV TREAT

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER:

PROBLEM STATEMENT:

Two examples of prehistoric plaster on walls are experiencing long-term detachment due to moisture infiltration and salt deposition. The white and red plaster panel incised with figures on the north wall of room 117 is experiencing accelerated deterioration because of its additional exposure to weather extremes. About half of the plaster has been lost over the last fifty years. Emergency conservation treatment was performed in the fall, 1990 by a conservation expert. The three walls of plaster in room 156 appear to have deteriorated from inadequate water drainage from surrounding rooms, an improperly draining roof, and inadequate pointing of the walls. This plaster received emergency conservation also. The causes of deterioration may still exist. Both plaster examples are rare among prehistoric ruins. This project received partial funding in FY91.

DESCRIPTION OF ACTION:

1) Recommended Action:

Since all the alternatives for treatment of room 117 have not been adequately researched, we will make no decision on a particular action at this time. We will recommend an appropriate action when research has been completed. Continue monitoring room 156, and correct roof, drainage, and pointing problems if recommended following monitoring. Cleaning the plaster will not be undertaken.

2) Alternative Actions and Impacts:

The alternatives for dealing with each plaster sample vary. For room 117: 1. Backfill the room, thus removing the plaster from exposure to the elements and from view of the visitors. Effects of this action on

the plaster are not completely known. Deterioration may continue from moisture infiltration and other agents. 2. Encapsulate the panel and wall to remove it from environmental extremes. This alternative is expected to be very costly, and the technology may not be available. The appearance of the area would be altered. 3. Detach the plaster sample from the wall and conserve it. Although an extreme measure, this would assure its preservation. It would be detached permanently from its origin, and visitors would not be able to see it in place. Portions of the panel may be lost through the process of detachment. An architectural conservator is currently assessing the feasibility of this action.
For room 156: 1. Continue monitoring the room for the next six to eight months to determine the agents of deterioration, and if damage is ongoing. 2. If the roof is found to be inadequate, repair it to prevent water seepage. 3. Provide for adequate water drainage in surrounding rooms if necessary. Stabilize walls to assist in plaster preservation. 4. Clean plaster of unsightly drips caused by previous water leakage. This would be a costly and time consuming procedure, considering that visitors do not see the plaster.

COMPLIANCE CODE(s): NHPA EXCL

EXPLANATION: 516 DM6 App. 7.4 B

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CYCLIC-CR	MIT	25.0	0.6
	CYCLIC-CR	MON	5.0	0.2

Year 2:	Source	Act Type	Budget($1000)	FTE
	CYCLIC-CR	MIT	15.0	0.3

Year 3:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

Year 4:	Source	Act Type	Budget($1000)	FTE

Proposal Date: 92

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-007

TITLE: HISTORIC STRUCTURE REPORT
VISITOR CENTER

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: NEED HSRS

CULTURAL RESOURCE TYPE CODE (where applicable): STRC

PACKAGE NUMBER: 134

PROBLEM STATEMENT:

The original portion of the building serving as the visitor center and administrative offices was constructed by Earl Morris in the early 1920's for his residence. Original prehistoric vigas, stones, and pottery sherds were used in construction. Additions in the 1930's, 1950's, and 1980's enlarged and modified the building to suit various needs, including exhibit space, curatorial storage, offices, meeting room, restrooms, and visitor contact. The building's connection with Morris, its role in the history of the monument, and its age make it eligible for the National Register of Historic Places. The General Management Plan calls for modification of the interior of the building to improve visitor flow, provide an audiovisual room and adequate information and orientation, and provide interpretive office and work space. Research for an Historic Structure Report was begun by Laura Soulierre of the SWR office, but the project was not completed because of a lack of funding. Completing the National Register nomination for the building was to have been included in the project. The HSR and the nomination are needed before building modifications are planned. This information is necessary for the interpretive program and building preservation. Some information regarding the building's history is included in the Listers' "Administrative History of an Archeological Preserve".

DESCRIPTION OF ACTION:

1) Recommended Action:

Complete the Historic Structure Report and National Register nomination for the Earl Morris House/Visitor Center. The report will analyze and document the original construction, dates and styles of all additions and renovations, probable room functions, and

PROJECT STATEMENT SHEET

a variety of other historic, architectural, anthropological, archeological, and engineering aspects of the structure and its setting as defined in NPS-28.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 E (9)

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	REGN-CR	RES	20.0	0.5

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-008

TITLE: HISTORIC RESOURCE STUDY

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: OTHER

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER: 134

PROBLEM STATEMENT:

Aztec Ruins lies in an area rich in prehistoric and historic events, structures, and objects which helped shape the surrounding landscape and contribute to the story of the monument. The Listers' administrative history of Aztec includes much information about the general area history, but not in great detail. Prehistoric and historic resources within and surrounding the monument have not received adequate consideration in other documents to place Aztec in a comprehensive historical context. This information is needed for full interpretation of the area.

DESCRIPTION OF ACTION:

1) Recommended Action:

Prepare an Historic Resource Study. The study will serve as a companion to the Administrative History, but will give a broader historical context for Aztec Ruins. It will provide a synthesis of information regarding the prehistoric and historic structures, objects, and events connected with Aztec. National Register nominations should also be prepared as a part of this study if additional eligible structures or objects are found within the monument. This project will be contracted through the Southwest Regional Office.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4E (9)

Proposal Date: 92

PROJECT STATEMENT SHEET

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	REGN-CR	RES	25.0	

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-009

TITLE: HISTORIC STRUCTURE
PRESERVATION GUIDE

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: NEED HSPGS

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER: 134

PROBLEM STATEMENT:

The major archeological sites within the monument, the West Ruin, East Ruin, Hubbard Site, and the reconstructed Great Kiva, have received regular preservation treatment. With recent funding restrictions, however, treatment has become more sporadic. The "Ruins Preservation Guide" written by Steve Adams in 1979 needs updating to consider the latest stabilization techniques, treatments, recent stabilization work, and knowledge available about preserving archeological sites.

DESCRIPTION OF ACTION:

1) Recommended Action:

Prepare a Historic Structures Preservation Guide. The guide will address the particular needs of each of the main structures. It will serve as a reference for programming, continued housekeeping, routine and cyclic preservation, inspections, and an aid to evaluating maintenance activities. The document will include provisions for ongoing monitoring of the major excavated ruins to determine the effects of precipitation and drainage patterns, in addition to work accomplished under other projects such as C-002 Study and Correct Water Drainage Problems, and C-020 Comprehensive Preservation Plan. Portions of the 1979 guide can be used, but much will need to be updated in light of changing preservation knowledge.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B(2)

Proposal Date: 92

PROJECT STATEMENT SHEET

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	35.0	1.0

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-010

TITLE: CULTURAL LANDSCAPE REPORT

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: CULT LAND REPT

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER: 134

PROBLEM STATEMENT:

The landscape in and around Aztec Ruins National Monument is quite different from that during Anasazi times. A trailer park and commercial buildings dominate the scene outside the boundaries in the south, and irrigated pastures, orchards, and active and abandoned gas wells and tanks dot the remaining directions. Portions of the monument have been altered by paved trails, a picnic area, and landscaping with lawns and trees. Other areas with a more natural growth have been affected by irrigation, service roads, structures, and work areas. The scene during prehistoric times is largely unknown. A number of management proposals such as revegetation of certain areas and removal of irrigation ditches affect the cultural landscape. Options for managing the cultural landscape need to be documented and explored through a cultural landscape report before these proposals are implemented.

DESCRIPTION OF ACTION:

1) Recommended Action:

Prepare a Cultural Landscape Report. The report will identify, evaluate, and recommend appropriate management options for cultural landscape maintenance within and immediately surrounding the monument. Decisions regarding maintenance of the landscape will then be based upon a thoughtful evaluation of the different options, and a continuity in landscape management will be planned.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

Proposal Date: 92

PROJECT STATEMENT SHEET

EXPLANATION: 516 DM6 App. 7.4 B

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CYCLIC-CR	RES	35.0	1.0

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

Proposal Date: 92

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-011

TITLE: UPDATE LIST OF
CLASSIFIED STRUCTURES

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: INADEQUATE LCS

CULTURAL RESOURCE TYPE CODE (where applicable):

PACKAGE NUMBER:

PROBLEM STATEMENT:

Although there are 13 documented archeological sites within the original 27 monument acres, only three (the East and West Ruins and the Hubbard Site) have been placed on the List of Classified Structures. Both the reconstructed Great Kiva and the visitor center are historic structures, but are not on the list. Many other sites within the expanded boundaries are not on the list.

DESCRIPTION OF ACTION:

1) Recommended Action:

Update the List of Classified Structures. The remaining 12 prehistoric and historic structures within the original 27 acres in addition to the sites within the expanded boundaries will be evaluated and included on the list if appropriate. This list will assist managers in planning and programming appropriate treatment. The Southwest Regional Office will assist the park in updating this list.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4B

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	PARK-CR	ADM	1.0	0.1
	REGN-CR	ADM	1.0	0.1

Proposal Date: 92

PROJECT STATEMENT SHEET

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-012

TITLE: WALL BONDING STUDY

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: SPECIAL STUDY

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER: 135

PROBLEM STATEMENT:

The construction sequence of the West Ruin is not fully understood. A wall bonding study would help determine this sequence, as well as enlighten us on Anasazi construction techniques and engineering skills. Stabilization and deterioration of walls have influenced wall integrity and will continue to do so, making such a study helpful for preservation needs and necessary before additional data is lost. Volunteers from the San Juan Archeological Society have prepared many wall maps necessary for the study, and plan to continue until all are recorded. Wall bonding in the East Ruin has been recorded.

DESCRIPTION OF ACTION:

1) Recommended Action:

Conduct a wall bonding study in the West Ruin. Once wall maps are completed by volunteers, an archeologist and another volunteer can study the wall bonds and indicate them on the maps. During the second year of the project, the compiled data can be converted to a Computer Assisted Drawing and Design program for a graphic depiction of the growth of the pueblo. This will help researchers and visitors understand the area better. This study will also become a part of the Historic Structure Report.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B

Proposal Date: 92

PROJECT STATEMENT SHEET

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	REGN-CR	RES	2.0	0.1

Year 2:	Source	Act Type	Budget($1000)	FTE
	CRNON-NPS	INT	3.0	

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

of the labor to apply the wood treatment and catalogue wood in storage will be provided by volunteers. This study will be included in the Historic Structures Report.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL NHPA

EXPLANATION: 516 DM6 App. 7.4 B

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	REGN-CR	RES	2.0	0.1
	REGN-CR	RES	3.0	
	PKCR-OTH	MIT	4.0	0.1

Year 2:	Source	Act Type	Budget($1000)	FTE
	PKCR-OTH	MIT	5.0	0.3
	REGN-CR	RES	2.0	
	REGN-CR	RES	2.0	0.1

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-014

TITLE: PREHISTORIC WOOD STUDY

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: SPECIAL STUDY PRESERVE MGMT

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER: 135

PROBLEM STATEMENT:

There are many wood elements in situ throughout the prehistoric structures in addition to others that have been removed and stored in various places. These prehistoric elements offer a wealth of information through dendrochronology regarding construction sequence, repair of rooms, and environmental conditions. Volunteers from the San Juan Archaeological Society have begun inventorying all the wood elements so that archeologists will be able to decide best which elements to sample. All the wood is exposed to some degree of weathering. Various treatments have been used in past years, including the application of pentachloraphenal wood preservative and a 5% silicone solution to all wood members in the East and West Ruins in 1965. In 1975 pentachloraphenal was applied to wood in the east and northeast wings of the West Ruin.

DESCRIPTION OF ACTION:

1) Recommended Action:

Continue wood inventory, collect wood samples, analyze results, and apply preservation treatment. The first year volunteers will complete the wood inventory and document all wood elements. An archeologist will verify the inventory for accuracy and select and collect the wood specimens to be sampled. Some of the specimens can be dated the first year, and some during the second. An archeologist will analyze the results during the second year. During the first year preservation specialists and archeologists will determine what treatment is needed to preserve wood elements. They will determine which specimens need replacement to maintain structural or interpretive integrity. The second year wood treatment will occur. The remaining wood in storage will be catalogued. Some

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-015

TITLE: RUINS STABILIZATION

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: PRESERVE MGMT INSUFF STAFF

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER:

PROBLEM STATEMENT:

The West and East Ruins, the Hubbard Site, and the reconstructed Great Kiva all require ongoing stabilization. Together they contain 7,585 linear feet and 78,370 square feet of wall. Only a small summer staff is available to perform stabilization work. Funding and FTE have never been sufficient to give adequate attention to the backlog of work needed to bring the walls to a basic maintenance level. Only the most urgent problems are addressed during the short season, leaving other areas to deteriorate faster because of lack of regular attention. Expense of maintaining the walls has increased over the long term, while original fabric is often lost. The problems worsen yearly as project money from the Southwest Regional Office dwindles. A massive concentration of work is needed to bring the resource to a basic maintenance level, after which annual stabilization is needed for regular maintenance.

DESCRIPTION OF ACTION:

1) Recommended Action:

Bring the ruins to a basic maintenance level through concentrated stabilization work which will continue four years or more. All walls showing or threatened with fabric loss or deterioration will receive attention. Archeological and photographic documentation will be completed prior to the work. Once the initial concentrated work is completed, about 15 per cent of the exposed fabric chosen for stabilization will receive maintenance annually thereafter to counteract normal deterioration and to address longevity, safety, exterior appearance, and stability. Replacement of outdated and ineffective stabilization mortars will be a part of this ongoing program.

Proposal Date: 92

PROJECT STATEMENT SHEET

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): NHPA EXCL

EXPLANATION: 516 DM6 App. 7.4 C(4)

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CYCLIC-CR	MIT	80.0	3.0

Year 2:	Source	Act Type	Budget($1000)	FTE
	CYCLIC-CR	MIT	80.0	3.0

Year 3:	Source	Act Type	Budget($1000)	FTE
	CYCLIC-CR	MIT	80.0	3.0

Year 4:	Source	Act Type	Budget($1000)	FTE
	CYCLIC-CR	MIT	80.0	3.0

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-017

TITLE: ARCHEOLOGICAL EVALUATION
OF MOUNDS

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: INADEQUATE DOC ARCH DATA RECV

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER:

PROBLEM STATEMENT:

Seven mounds designated A through G lie within the original 27 acre boundaries. Mound A was recently tested to determine if it is a tri-wall, but results were inconclusive. Mound B remains untested. Mounds C and D have been tested but not mapped. Mound E has been tested and is prehistoric. Mound F, a tri-wall structure, was tested in previous years, but test pits remain open. The walls in Mound F have not been recorded. Mounds G and H have been tested and are trash mounds, but the wall profiles of the open test pits have not been recorded. An excavated burial between the West and East Ruins remains partially open. Open test pits in some of these mounds contribute to their deterioration and are a safety hazard. Knowing the nature of these mounds will assist their interpretation and management.

DESCRIPTION OF ACTION:

1) Recommended Action:

Continue with archeological testing and evaluation, record wall profiles, and backfill open test pits. This will include further testing of mound A, testing of mound B, mapping mounds C and D, recording the walls in mound F and backfilling previous test pits, backfilling the burial, and cleaning previous test pits of mounds G and H, recording, and backfilling them. Testing will involve non-destructive techniques when possible and minimal sub-surface disturbance. Documentation prior to and after work will meet Historic Structure Report standards.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): NHPA

Proposal Date: 92

PROJECT STATEMENT SHEET

EXPLANATION:

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	REGN-CR	RES	5.0	0.2
	PKCR-OTH	PRO	1.0	0.1

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

Proposal Date: 92

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-018

TITLE: CURATORIAL BACKLOG

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: MUS CATALOGING

CULTURAL RESOURCE TYPE CODE (where applicable): OBJC

PACKAGE NUMBER:

PROBLEM STATEMENT:

Over 65 years of insufficient funding and neglect contributed to a significant backlog of uncataloged artifacts and archival documents at Aztec Ruins. Artifacts were unaccounted for, records in many cases were not established nor maintained, and storage conditions were dismal. With a commitment of funds and manpower over the last four years, major progress has been made in records maintenance and artifact storage. However, four years work has not been sufficient to correct over 65 years of problems. Although more than 30,000 objects have been cataloged and this task is nearly complete, work on archival and photographic backlog has only recently begun. Artifact storage still needs improvement, and decisions need to be made regarding which items need to be retained on site as a study collection, and which items should be transferred to the repository at WACC. Accession records still need attention. There remain about 25 boxes of artifacts at the Southwest Regional office in Santa Fe which need cataloging. This project was partially funded in FY91.

DESCRIPTION OF ACTION:

1) Recommended Action:

Catalog archival, photo, and map collections, update accession records, catalog artifacts stored at Aztec Ruins and the Southwest Regional Office, improve storage. Sort, copy, index, and catalog archival documents, enter data into the Automated National Catalog System (ANCS), provide proper storage, and transport original archival collection to WACC. Duplicate remaining nitrate and cellulose diacetate negatives, catalog backlog of photos and negatives, establish a catalog system for stabilization photos, and establish dates for undated photos. Establish

cataloging system for maps, and improve their storage. Continue updating accessions files by researching old loan agreements and completing required documentation for files. Remeasure artifacts on old cataloging system and enter in ANCS with metric measurements. Acquire custom made boxes for large and fragile objects. Provide for safe shipment of artifacts to WACC. Make quality labels for all shelves and cabinets in storage area.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 E(2)

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	MIT	7.0	0.4
	PARK-CR	ADM	1.0	0.1

Year 2:	Source	Act Type	Budget($1000)	FTE
	PARK-CR	ADM	1.0	0.1
	CRPP	MIT	7.0	0.4

Year 3:	Source	Act Type	Budget($1000)	FTE
	CRPP	MIT	7.0	0.4
	PARK-CR	ADM	1.0	0.1

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-020

TITLE: COMPREHENSIVE
PRESERVATION PLAN

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: PRESERVE MGMT ARCH DATA RECV

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER: 135

PROBLEM STATEMENT:

The majority of rooms in the West Ruin have been excavated, exposing their walls to the elements. Some open rooms are adjacent to backfilled or unexcavated rooms, resulting in added pressure against the walls, drainage problems, and lateral movement of water through the fill and walls, all which contribute to mortar and stone erosion. Stabilization needed to maintain the walls is substantial and ongoing. Backfilling selected rooms eliminates the need for mortar repointing, veneer replacement, and provides support for standing walls and alleviates drainage problems. Most of the severe cumulative deterioration would be eliminated, and the amount of exposed masonry would be reduced to levels which could more realistically be maintained. Archeologist Larry Nordby of the Southwest Regional Office analyzed these problems in a report written in 1984, and recommended specific rooms to be backfilled. His plan was only partially implemented. His report may not have given full consideration to interpretive and stabilization needs.

DESCRIPTION OF ACTION:

1) Recommended Action:

Write and implement a Comprehensive Preservation Plan for the West and East Ruins and the Hubbard site. The project is to include: planning and design of backfilling and drainage; completion of archeological documentation and testing, such as wood, mortar, and soil analysis, and subfloor testing; stabilization of the walls to be covered or otherwise affected by the backfilling and drainage; backfilling of selected rooms and installation of drainage systems; and project reporting. Nordby's report will be used as a starting point for the plan, in addition to data generated by

PROJECT STATEMENT SHEET

AZRU-C-002, "Study and Correct Water Drainage Problems." Documentation for the project will be completed to Historic Structure Report standards prior to actions. Data generated will be included in the Historic Structure Report.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): NHPA

EXPLANATION:

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	ADM	10.0	0.2

Year 2:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	50.0	2.0
	CRPP	MIT	50.0	2.0
	CRPP	MIT	50.0	2.0

Year 3:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	50.0	2.0
	CRPP	MIT	50.0	2.0
	CRPP	MIT	50.0	2.0

Year 4:	Source	Act Type	Budget($1000)	FTE
	CRPP	ADM	20.0	0.5
	CRPP	MIT	50.0	2.0

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-021

TITLE: ORAL HISTORY PROGRAM

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: ETHNOGRAPHY SPECIAL STUDY

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER:

PROBLEM STATEMENT:

Local residents, past Aztec Ruins employees, friends and family of Earl Morris, and visitors have a wealth of information regarding the history, excavation, archeology, land use, and management of Aztec Ruins and surrounding area. Many of these people are getting on in years, and the information they hold will soon be unavailable. Interviewing these people will complement the administrative history, add to our knowledge of the archeology, and provide material for interpretive exhibits and programs.

DESCRIPTION OF ACTION:

1) Recommended Action:

Carry out an oral history program. Management will identify information needed through the program. A coordinator will be contracted to prepare a research design and organize the project. Interviews of informants will be conducted by the coordinator and/or volunteers trained in oral history recording, and will meet NPS standards. Recordings will be made on high quality tape and equipment approved by the NPS. Original tapes will be stored at Harper's Ferry Center and duplicates held at Aztec Ruins. Funding will cover the transcription of all tapes and their binding and cataloguing. This project should begin within the next couple of years in order to be of maximum benefit.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B

Proposal Date: 92

PROJECT STATEMENT SHEET

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	REGN-CR	RES	8.0	

Year 2:	Source	Act Type	Budget($1000)	FTE
	REGN-CR	RES	8.0	

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-022

TITLE: ARCHEOLOGICAL OVERVIEW
AND ASSESSMENT

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: OTHER

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER:

PROBLEM STATEMENT:

An Archeological Assessment was prepared by Chief Ranger William Schart in 1977. Since then many archeological reports have been written about resources within the expanded monument boundaries and beyond. This data has not been reviewed, summarized, and evaluated in an updated Archeological Overview and Assessment. This document is a valuable research and informational tool for interpreters, as well as necessary for planning future research studies and designs, and resource management strategies.

DESCRIPTION OF ACTION:

1) Recommended Action:

Update the Archeological Overview and Assessment. The report will address not only reports regarding the resources in the original 27 acre monument, but also those within the expanded boundaries. The report will meet criteria specified in NPS 28. This project will be either contracted out or will be undertaken by an archeologist from the SWR office.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	REGN-CR	RES	20.0	0.6

Proposal Date: 92

PROJECT STATEMENT SHEET

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-023

TITLE: ETHNOGRAPHIC OVERVIEW
AND ASSESSMENT

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: ETHNOGRAPHY SPECIAL STUDY

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER:

PROBLEM STATEMENT:

Although the Pueblo people are the decendents of the Anasazi culture, no particular group has claimed outright a direct historical affiliation with Aztec Ruins. Some groups such as the Hopis have danced at the monument, and there are references in some literature regarding a connection with Aztec. It is possible that several other pueblos have connections with the area as revealed through oral traditions or literature. Knowing the nature and extent of these connections will allow us to be more sensitive to the needs of these groups for interpretive and management planning, use of the area, and curation and exhibition of artifacts. Without this knowledge, we will continue to be ignorant of those groups who have concerns with the area.

DESCRIPTION OF ACTION:

1) Recommended Action:

Research and prepare an Ethnographic Overview and Assessment. The study will involve thorough research of written information, as well as consultation with religious leaders in various Pueblo tribes to determine the nature of ties to Aztec Ruins. The study will meet NPS guidelines.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B

Proposal Date: 92

PROJECT STATEMENT SHEET

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	20.0	

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-024

TITLE: BASE MAP OF CULTURAL RESOURCES AND INTRUSIONS

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: INADEQUATE DOC

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER: 134

PROBLEM STATEMENT:

The land within the expanded boundaries contains cultural resources as well as modern disturbances such as subsurface utility lines, pipelines, and water control features. Although a base map for the land within the original monument boundaries exists, an expanded base map which includes the additional land does not. This information is needed for the monument's data base and management of the newly acquired resources. Southwest Regional archeologist Peter McKenna's forthcoming survey report of the terraced lands will include much of the data needed for the base map.

DESCRIPTION OF ACTION:

1) Recommended Action:

Prepare a base map which will identify the location of cultural resources. Overlays for the base map will show water control features, pipelines, and subsurface utility lines in addition to other disturbances. McKenna's report and maps will be used as a basis for the map, but overlays will need to be produced from additional surveys.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B

Proposal Date: 92

PROJECT STATEMENT SHEET

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	ADM	5.0	0.1

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-025

TITLE: UPDATE COLLECTIONS PLANS

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: NEED COLL MGMT MUS STORAGE

CULTURAL RESOURCE TYPE CODE (where applicable): OBJC

PACKAGE NUMBER: 134

PROBLEM STATEMENT:

The monument curates an on-site collection of about 1500 objects. Included are artifacts of stone, bone, pottery, fiber, shell, and wood, in addition to archival papers and photographs. Acquisition of lands within the expanded boundaries will present new problems regarding the collection and curation of artifacts from these areas. The "Collections Management Plan" was written in 1980 and is outdated in light of exhibit security needs, the boundary expansion, historical documents, and curation of artifacts. Storage considerations in the plan are also inadequate--a Collection Storage Plan has never been done. In addition, the Scope of Collections is outdated, and does not consider the expanded boundaries and themes identified in the recent GMP.

DESCRIPTION OF ACTION:

1) Recommended Action:

Revise the Collections Management Plan and Scope of Collections, and prepare a Collection Storage Plan. The Collections Management Plan will consider curation for the full range of items, including photographs and archival items. It will consider needs for additional exhibit security and artifacts which may come from within the expanded boundaries. As a part of this plan, the Collections Storage Plan will likewise address the possible addition of materials from within the expanded boundaries. Carrying out recommendations will follow. The Regional Curator and another specialist will write the plan. The Scope of Collections will be updated by the park curator in anticipation of the expanded boundaries and in light of the changed themes.

2) Alternative Actions and Impacts: N/A

Proposal Date: 92

PROJECT STATEMENT SHEET

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B(1)

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	RGCR-OTH	ADM	2.0	0.1
	PARK-CR	ADM	1.0	0.1

Year 2:	Source	Act Type	Budget($1000)	FTE
	CRPP	MIT	5.0	0.1

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-026

TITLE: COLLECTION CONDITION SURVEY

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: CONSERV TREAT

CULTURAL RESOURCE TYPE CODE (where applicable): OBJC

PACKAGE NUMBER:

PROBLEM STATEMENT:

The monument maintains an on site collection which includes stone, bone, fiber, shell, and ceramic objects, and archival records and photographs. The condition and conservation treatment needed by the objects have never been assessed by a professional conservator. This needs to be done in order to provide a baseline of data and to identify objects in need of treatment. If this survey is not done, objects will not be assured optimal care and some will deteriorate.

DESCRIPTION OF ACTION:

1) Recommended Action:

Conduct a Collection Condition Survey on the objects held at Aztec Ruins. The survey will include a visual inspection of all objects by a conservator. The report will record object conditions and identify those which need conservation treatment according to urgency. Recommended treatment of objects will follow.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B(2)

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	PRO	2.0	0.1
	PARK-CR	MIT	2.0	0.1
	CRPP	MIT	5.0	0.2

Proposal Date: 92

PROJECT STATEMENT SHEET

Year 2:	Source	Act Type	Budget($1000)	FTE
	PARK-CR	MIT	2.0	0.1
	CRPP	MIT	5.0	0.2

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-027

TITLE: ARCHEOLOGICAL COLLECTION STUDY

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: INADEQUATE DOC SPECIAL STUDY

CULTURAL RESOURCE TYPE CODE (where applicable): OBJC

PACKAGE NUMBER:

PROBLEM STATEMENT:

Archeological explorations by Earl Morris from 1916 into the 1920's, stabilization projects over the decades until present, and public work projects have produced papers and uncovered artifacts which are now scattered among various institutions. The Western Archeological and Conservation Center in Tucson, the University of Colorado at Boulder, the American Museum of Natural History in New York, the NPS Southwest Regional Office in Santa Fe, and the Aztec Ruins all house some of these materials. In addition there are private individuals who possess artifacts from Aztec Ruins. The dispersed locations make it difficult for researchers to comprehensively study and interpret the artifacts and records. In addition, documentation of artifacts is not sufficient nor up to date enough for the needs of researchers, and in some cases is non-existent. Interpretation of the objects is the result of outdated analysis from as early as the 1920's.

DESCRIPTION OF ACTION:

1) Recommended Action:

Conduct an Archeological Collection Study. It will involve study and analysis of artifacts, field and lab photographs, field notes, maps, and correspondence from the Earl Morris era stored in various locations. This is a sizable three year project involving travel to the various institutions and visits to private individuals who possess artifacts from Aztec. The report will include an analysis of the assemblage based on a prior approved research design, photographs and documentation of artifacts, in addition to collation of the various documents. The fourth year will involve transferring all records to computer data base and digitizing images so that they may be reproduced through the computer.

Proposal Date: 92

PROJECT STATEMENT SHEET

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B(4)

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	REGN-CR	RES	35.0	

Year 2:	Source	Act Type	Budget($1000)	FTE
	REGN-CR	RES	30.0	

Year 3:	Source	Act Type	Budget($1000)	FTE
	REGN-CR	RES	25.0	

Year 4:	Source	Act Type	Budget($1000)	FTE
	CRNON-NPS	ADM	10.0	
	REGN-CR	RES	50.0	

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-028

TITLE: DUPLICATE RELATED PAPERS
AND PHOTOGRAPHS

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: INADEQUATE DOC

CULTURAL RESOURCE TYPE CODE (where applicable): OBJC

PACKAGE NUMBER:

PROBLEM STATEMENT:

The principal collection of Morris papers related to Aztec Ruins is housed at the University of Colorado Museum in Boulder. Recently the 24 linear feet of documents were produced on microfiche and are available at Aztec Ruins. There remains a number of historic photographs documenting Morris' field work, the ruins, and artifact specimens. Copies of these are not yet on file at Aztec Ruins, but are needed for research and interpretive purposes. Another collection of Morris papers is in the archives of the Department of Anthropology at the American Museum of Natural History in New York. This collection includes correspondence from 1916 to 1928 describing administrative details of each season's excavations and information regarding artifact specimens. Several ground plans of the West Ruin are also included. There are about 130 black and white historic photographs showing excavation and stabilization work. In July, 1991, the Southwest Regional Office archives acquired copy prints of these photos. Copies of these papers and photographs are needed at Aztec Ruins for research, stabilization work, and interpretation.

DESCRIPTION OF ACTION:

1) Recommended Action:

Duplicate related papers and photographs and store at Aztec Ruins. Arrangements will be made with the American Museum of Natural History to duplicate all correspondence, records, and photographs related to Aztec Ruins. Papers will be placed on microfiche. Photographs from the collection at the University of Colorado Museum likewise will be duplicated. Southwest Parks and Monuments Association may be willing to fund these projects as a research project through their donations program.

Proposal Date: 92

PROJECT STATEMENT SHEET

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B(4)

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRNON-NPS	ADM	3.0	

Year 2:	Source	Act Type	Budget($1000)	FTE
	CRNON-NPS	ADM	5.0	

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-029

TITLE: REPORT OF 1984 EXCAVATION WORK

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: SPECIAL STUDY ARCH DATA RECV

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER:

PROBLEM STATEMENT:

In 1984, Jim Trott, archeologist from Salinas National Monument, excavated several rooms and trenches in the West Ruin for installation of a drainage system and to reduce static load on the walls of some rooms. He recovered hundreds of boxes of artifacts and much information. Excavation of room 225 produced unusual and exceptionally well preserved perishable artifacts not normally found in open sites. The report for these excavations has never been compiled. Analysis of the artifacts and a complete report represents a sizable project. But without this information, interpretation suffers and preservation management of the areas excavated lacks benefit of this information. Trott is now in the Division of Conservation in the Southwest Regional Office and will not be able to write the report.

DESCRIPTION OF ACTION:

1) Recommended Action:

Write an archeological report on the 1984 excavations. Artifacts from the work need to be analyzed and this information included in the report. Since James Trott will not be able to write the report, another archeologist will need to examine his field notes and maps and compile the report. If this project is not fully funded within the next four years, a preliminary report should be funded to provide an overview of findings until a full report and analysis of artifacts can be completed.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

Proposal Date: 92

PROJECT STATEMENT SHEET

EXPLANATION: 516 DM6 App. 7.4 B

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	50.0	

Year 2:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	50.0	

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

Proposal Date: 92

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-030

TITLE: CULTURAL RESOURCES
IMAGERY SEARCH

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: SPECIAL STUDY

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER:

PROBLEM STATEMENT:

Although the Denver Service Center completed a series of aerial photos of the area in 1987, there may be additional aerial imagery of the monument available from sources such as the gas and oil industry, local government, the USGS or the military. If available, a survey of this imagery, which may be from earlier years, could indicate the location of cultural resources which so far have remained undetected. This would be helpful especially in the expanded boundary area. The imagery can also give us baseline information on vegetation patterns.

DESCRIPTION OF ACTION:

1) Recommended Action:

Search for and acquire available imagery, and complete a survey of imagery for cultural resources. The Remote Sensing Unit in the Southwest Regional Office in conjunction with staff archeologists should initiate the search. Copies of imagery of the monument in addition to the general Aztec area should be acquired, but the survey should concentrate on the area within and just outside monument boundaries. A cost analysis is needed for a research contract to finish the report.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 E(2)

Proposal Date: 92

PROJECT STATEMENT SHEET

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	10.0	0.3

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-031

TITLE: LOW SUN ANGLE IMAGERY OF
AZTEC RUINS REGION

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: ARCH DATA RECV SPECIAL STUDY

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER:

PROBLEM STATEMENT:

The aerial imagery available of the Aztec Ruins region consists of 1974 black and white photos and thermal infra-red photos taken by Eastern New Mexico University for their San Juan Valley Archeological Project. The NPS also produced aerial imagery in 1987 of the monument. Low sun imagery is needed in addtion to these to highlight the road remnants and other low visibility prehistoric features. Location of these features will allow for a better assessment of Aztec's place in the Chacoan outlier system, and the relationship between the Chacoan and Mesa Verdean cultures. Without it we will continue to rely on outdated information and interpretation of imagery which fails to identify the full range of features in the area. Interpretation of low sun imagery will also encourage us to expand our often parochial view of Aztec Ruins.

DESCRIPTION OF ACTION:

1) Recommended Action:

Produce low sun imagery of the Aztec region. This project needs a research design which will specify selected flight routes, documentation, and interpretation. The area covered will extend to Salmon Ruin, the Chacoan outliers of the La Plata Valley, Cedar Hill, the confluence of the Animas and San Juan rivers, and the confluence of the Chaco River and the San Juan rivers. This project will be contracted out.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 E(1)

Proposal Date: 92

PROJECT STATEMENT SHEET

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	10.0	

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-C-032

TITLE: ARCHEOLOGICAL SURVEY
OF BOTTOMLANDS

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: ARCH DATA RECV INADEQUATE DOC

CULTURAL RESOURCE TYPE CODE (where applicable): SITE

PACKAGE NUMBER: 134

PROBLEM STATEMENT:

NPS archeologists John Stein and Peter McKenna surveyed in 1987 much of the area included within the 292 acre boundary expansion. Portions remaining unsurveyed are the bottomlands surrounding the original boundary. These areas have been heavily impacted by plowing, irrigation, grazing, and fruit orchards. Archeological surface features are not expected to be present. Nonetheless, an archeological pedestrian survey should be conducted to locate and record surface features. This information is needed for the proper management of these areas once the land is acquired, and for their interpretation.

DESCRIPTION OF ACTION:

1) Recommended Action:

Conduct archeological pedestrian survey on bottomlands within expanded boundaries and compile report. This will be completed as soon as possible following acquisition of these lands. Aerial photographs may be needed to help locate archeological features.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 E(1)

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	CRPP	RES	10.0	0.5

Proposal Date: 92

PROJECT STATEMENT SHEET

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-N-001

TITLE: WATER RIGHTS STUDY

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: WATER RIGHTS

CULTURAL RESOURCE TYPE CODE (where applicable):

PACKAGE NUMBER:

PROBLEM STATEMENT:

The monument has two identified water rights in the NPS's dockets. In 1948 the First Judicial District Court of New Mexico of San Juan County adjudicated that the National Park Service is owner of 4.8 acre feet of water per annum. The water which comes from the Animas River via the Farmer's Irrigation Ditch, was used originally to irrigate 1.6 acres of land which is now occupied by the visitor center and parking lot. This right is now exercised through irrigation of picnic grounds and the residence lawn. The second water right results from a well which was drilled at the monument in 1931. Until the 1960's it was used for watering plants and grounds near the visitor center, but has not been used since. City water replaced most domestic water needs of the monument in 1958. There is no elecricity going to the pump, and the condition of the pump and well is unknown. Repairs before use are needed. There is no evidence that a declaration of an existing water right with the State Engineer has been made. The monument needs to comply with New Mexico Water Law by either plugging the well to protect the acquifer, or putting the water to beneficial use and filing a declaration of an existing water right. Water rights are unknown for land parcels within the expanded boundaries.

DESCRIPTION OF ACTION:

1) Recommended Action:

Repair the well and use the water on a regular basis for irrigation. Keep detailed records of use. File a declaration of an existing water right with the Office of the Stae Engineer. When land acquisition funds are authorized by Congress, experts in the SWR Lands Division and the WASO Water Resources Division will be consulted and will initiate water rights research of

PROJECT STATEMENT SHEET

the parcels to be acquired.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 B

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	REGN-NR	PRO	3.0	0.2

Year 2:	Source	Act Type	Budget($1000)	FTE
	WATER RES	RES	10.0	0.4

Year 3:	Source	Act Type	Budget($1000)	FTE
	WATER RES	RES	10.0	0.4

Year 4:	Source	Act Type	Budget($1000)	FTE

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-N-003

TITLE: REDUCE VEGETATION FIRE HAZARD

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: CULT LANDSCAPE

CULTURAL RESOURCE TYPE CODE (where applicable):

PACKAGE NUMBER:

PROBLEM STATEMENT:

Previous overflow of water from the stock pond and irrigated fields north of the monument have contributed to dense stands of vegetation in the northeast portion of the monument. Some of this vegetation has been removed by YCC, Summer Youth, and volunteer Boy Scout projects. A similar dense stand of brush exists in the southeast corner of the monument north and east of the residence and south of the East Ruin. About five acres are covered with brush. Accumulated dead vegetation poses a fire hazard to the Earl Morris Ruin and other archeological features in the area. Suppression activities of a fire could cause damage to standing walls, mounds, and other features. Heat penetration of the soil from burning of dead vegetation could adversely affect walls, surface and below ground artifacts, and possibilities for archeological research such as archeomagnetic dating. A natural or prescribed burn of the area could have adverse impacts on the artifacts and ruin features. A small fire in the area in July, 1991 emphasized the need for completion of this project.

DESCRIPTION OF ACTION:

1) Recommended Action:

Manually clear the area north of the drain pipe and up to the fence within the original boundaries in the northeast area of the monument, in addition to the southeast area. Dead shrubs and trees, including sagebrush, saltbush, rabbitbrush, greasewood, and willow will be cut at the base and chipped on site. Chips will be hauled from the area. Labor will be accomplished by volunteers and seasonal workers, with park personnel supervising.

2) Alternative Actions and Impacts: N/A

Proposal Date: 92

PROJECT STATEMENT SHEET

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 E(7)

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	FIRE PRO	ADM	1.0	0.1
	FIRE PRO	MIT	7.0	0.3

Year 2:	Source	Act Type	Budget($1000)	FTE

Year 3:	Source	Act Type	Budget($1000)	FTE

Year 4:	Source	Act Type	Budget($1000)	FTE

Proposal Date: 92

PROJECT STATEMENT SHEET

PROJECT NUMBER: AZRU-N-004

TITLE: CONTROL EXOTIC/NOXIOUS PLANTS AND ANIMALS

FUNDING STATUS: UNFUNDED

SERVICEWIDE ISSUE CODES: NON-NAT ANIMAL NON-NAT PLANTS

CULTURAL RESOURCE TYPE CODE (where applicable):

PACKAGE NUMBER:

PROBLEM STATEMENT:

Exotic plants in the monument include russian thistle and puncture-vine. The russian thistle grows in rooms in the ruins, where its roots penetrate the soil, possibly affecting walls and subsurface features. The dried vegetation is a fire hazard. Puncture vine is a hazard to visitors with thin soled shoes and also accelerates deterioration of walkways and sometimes ruin walls. Native grasses and plants as well penetrate the wall fabric, accelerating deterioration of walls by loosening mortar and allowing moisture to penetrate. In the past monument staff have manually cut these plants at soil level and removed them. Occasionally rodents and other animals burrow in and under the ruins and walkways, affecting structures and encouraging erosion. Stray cows, dogs, cats, and rabbits occasionally harass wildlife, foul the area, trample ruin areas, and threaten injury. Feral animals have been removed from the monument.

DESCRIPTION OF ACTION:

1) Recommended Action:

Heat treat exotic and native plants in wall fabric by using an agricultural propane torch. Vegetation removal will have minimal affect on soil erosion in these areas. Remove feral cows and other animals. Live trap and relocate rodents and other burrowing animals which affect the ruins.

2) Alternative Actions and Impacts: N/A

COMPLIANCE CODE(s): EXCL

EXPLANATION: 516 DM6 App. 7.4 E(7)

Proposal Date: 92

PROJECT STATEMENT SHEET

BUDGET AND FTE's:

Year 1:	Source	Act Type	Budget($1000)	FTE
	REGN-NR	PRO	2.0	0.3

Year 2:	Source	Act Type	Budget($1000)	FTE
	REGN-NR	PRO	2.0	0.3

Year 3:	Source	Act Type	Budget($1000)	FTE
	REGN-NR	PRO	2.0	0.3

Year 4:	Source	Act Type	Budget($1000)	FTE
	REGN-NR	PRO	2.0	0.3

CULTURAL RESOURCE DOCUMENTATION CHECKLIST

Place an X in the appropriate column. Leave columns blank if document is not require for the park. Remember that items in the first section, PLANNING DOCUMENTS, may also apply to natural resources. See NPS-28, Chapter 2 for description of each inventory or study.

TITLE	CURRENT AND APPROVED	INCOMPLETE; NEEDS REVISION OR UPDATING	NEEDE
PLANNING DOCUMENTS			
Preauthorization and Authorization			
Statement for Management (SFM)		✓ in process	
Outline of Planning Requirements (OPR)	✓		
General Management Plan (GMP)	✓		
Development Concept Plan (DCP)	✓		
Resources Management Plan (RMP)		✓ in process	
Interpretive Prospectus (IP)		✓ in process	
SERVICEWIDE INVENTORIES, LISTS, CATALOGS, AND REGISTERS			
Cultural Resources Bibliography (CRBIB)		✓	
Cultural Sites Inventory (CSI)		✓	
List of Classified Structures (LCS)		✓	
National Catalog of Museum Objects			
National Register of Historic Places			✓
BASIC CULTURAL RESOURCE DOCUMENTS			
Archeological Overview and Assessment		✓	
Archeological Identification Studies			
Archeological Evaluation Studies			

CULTURAL RESOURCE DOCUMENTATION CHECKLIST

TITLE	CURRENT AND APPROVED	INCOMPLETE; NEEDS REVISION OR UPDATING	NEEDED
BASIC CULTURAL RESOURCE DOCUMENTS (cont.)			
Ethnographic Overview & Assessment			✓
Ethnographic Oral Histories & Life Histories			✓
Ethnographic Program			
Historical Base Map		✓	
Historic Resource Study (HRS)			✓
Park Administrative History	✓		
Scope of Collection Statement		✓	
SPECIAL RESOURCE STUDIES AND PLANS			
Archeological & Ethno. Collections Studies		✓	
Archeological Data Recovery Studies			
Collection Management Plan		✓	
Collection Storage Plan			✓
Collection Condition Survey			✓
Cultural Landscape Report (CLR)			✓
Ethnohistory			
Exhibit Plan			
Historic Furnishings Report			
Historic Structure Preservation Guide (HSPG)		✓	
Historic Structure Report			✓
Social Impact Study			
Special History Study			
Traditional Use Study			

SUMMARY CHART FOR ARCHEOLOGICAL SITES

Significance		Condition					Impacts				Documentation		
		Good	Fair	Poor	Destroyed	Unknown	Severe	Moderate	Low	Unknown	Good	Fair	Poor
National													
State & Regional													
Local													
Not Evaluated	/		/					/				/	
TOTALS	/		/					/				/	

SUMMARY CHART FOR STRUCTURES

Significance		Condition				Impacts				Documentation		
		Good	Fair	Poor	Unknown	Severe	Moderate	Low	Unknown	Good	Fair	Poor
National												
State & Regional												
Local												
Not Evaluated	/	/						/				/
TOTALS	/	/						/				/

ATTACHMENT 1

SUMMARY CHART FOR OBJECTS

DOCUMENTATION Form 10 254 Submitted to National Catalog Harper's Ferry	Archeology	Ethnology	History	Archives	Biology	Paleontology	Geology	TOTALS
Registration Data Only								
Registration & Catalog Data	122654			692				123346
Total Items Cataloged	122654			692				123346
Backlog to be Cataloged	(14559)			(39694)				(54253)
Total Collection Summary	(137213)			(40386				(177599)

CONDITION The percentage of collection in the following categories.	Archeology	Ethnology	History	Archives	Biology	Paleontology	Geology
Excellent	25			40			
Good	50			40			
Fair	20			15			
Poor	5			5			
Unknown							

SUMMARY CHART FOR CULTURAL LANDSCAPES

Significance		Condition				Impacts				Documentation		
		Good	Fair	Poor	Unknown	Severe	Moderate	Low	Unknown	Good	Fair	Poor
National												
State & Regional												
Local												
Not Evaluated	/				/				/			/
TOTALS	/				/				/			/

Annual Project Status & Accomplishments Report

Projects which received action in FY 91 are the following:

C-005 Study and Preserve Plaster in 117 & 156 (partial)
C-014 Prehistoric Wood Study (partial)
C-015 Ruins Stabilization (partial)
C-018 Curatorial Backlog (partial)
N-004 Control Exotic/Noxious Plants and Animals (partial)