

FRIENDS OF BANDELIER

ANNUAL REPORT

1999

LOOKING BACK

My husband assures me that the year 2000 is not the start of a new millennium, but the last year of the twentieth century. I say that the hoopla is in watching the year change all its numbers. He does admit that the Friends just completed twelve years of accomplishment, with a grand total of \$146,000 donated directly to Bandelier National Monument.

The Friends have funded a great variety of projects over the years and have accumulated an enduring legacy. Research and surveys retain their value for a very long time. (Researchers still pour over Adolph Bandelier's notes from the 1880s.) Some items become obsolete fairly rapidly, like all those GPS units. A few projects have been upgraded. For example, we paid for a wooden handicapped ramp to the gift shop. It has now been replaced by a stone ramp that is much more compatible with the flagstone paving. The temporary ramp was dictated by the New Mexico State Historic Preservation Office, which has since relented. Ranger Sally King tells me that the Evelyn Frey Memorial near the site of Evelyn's old lodge will be replaced. It will be interesting to see how Bandelier commemorates Evelyn, who lived in Frijoles Canyon from 1925 until her death in 1988 at the age of 96.

Many of our projects had indirect benefits. The parking lot attendants we funded freed up regular staff to do necessary work at the park. Many of our projects, like Coffee-with-a-Ranger and refreshments for receptions, strive to create good will. The park staff hasn't requested refreshment money for several years, possibly because of increased revenue from their donation box after board member Ron Schultz recommended that they put it in a more prominent place and give it some pizzazz. Sally also assures us that the offer of our "I support Bandelier" patch with a five dollar donation increases the amount people put in the box.

When I look over the list, I see a lot of good things accomplished and a lot of good memories. I hope you do too.

LOOKING FORWARD

Unfinished business still lies ahead. In 1999 Bandelier received the 90-acre Elk Meadows property. An additional 835 acres of the privately owned portion of the Alamo headwaters was also approved for acquisition through legislation. This land is part of the Baca Ranch and should be given to the NPS when the ranch is federally acquired. The Friends' board and many of you actively lobbied for the legislation. Still to come is the transfer from Forest Service to Park Service of 16,200 acres of headwaters of the major canyons in Bandelier. The transfer is currently lost in the mechanics of the Baca Ranch sale, but is still on the Congressional delegation to-do list. As Resource Manager Charisse Sydoriak says, "We need to make Bandelier whole." Also in 1999 the rangers laid the groundwork for addressing difficult decisions in the years ahead. How shall they manage overpopulation of elk and pinyon/juniper trees? It will be interesting to see what role the Friends can play. I'm constantly surprised at the many ways we benefit the park.

Projects at Bandelier seem to be shifting from studying to actually doing. Problems that would have seemed trivial just a few years ago, such as the invasion of exotic plant species and erosion at small archaeological sites, are getting increasing attention. In the past the Friends funded small pilot projects that developed into major works. I have no doubt the opportunity will rise again.

Only one thing makes our help possible: the support of Friends like you. Every time I open the membership database, I feel a warm glow of appreciation. Many of you have been with us since 1987. Many of you send in renewals without being nagged. Many of you save the envelope from the annual report and send it in months later. Some of you even sent me an e-mail asking if you are due. It is all really gratifying. Every chance I get, I tell the rangers at Bandelier so they will know how much people love the park.

Dorothy Hoard, President, Board of Trustees

From myself and the Board of Trustees, our very best wishes for a happy and prosperous 2000 and our sincere thanks for your past support.

PLEASE stick with us into the new millennium. It won't be dull!!

The Friends of Bandelier has changed our fiscal year from the Federal fiscal year, October 1 - September 30, to the calendar year, January 1 - December 31. We took this action to ease pressure on Bandelier staff. In the past, they have had a difficult time billing us for our grants before the end of September because of their necessity of meeting National Park Service fiscal deadlines. By changing our fiscal requirements, we give staff extra time to recover from the summer season and review the Friends' grant commitments. This annual report reflects the fiscal change.

The Board of the Friends prides itself on keeping our own expenses as low as possible. This year our total expenses are higher (10.1% of 1999 expenditures) because we set up the web site and the Adopt-a-Bit-of-Bandelier program. Our overall 12-year administrative expense average is 5.2% of expenditures, mostly spent on postage and paper. Los Alamos National Bank has been a BIG help in keeping our expenses low. Be sure to tell them THANKS when you go in.

FRIENDS OF BANDELIER ANNUAL FINANCIAL REPORT
October 1, 1998 to December 31, 1999

Balance Forward as of September 30, 1998:	
General Fund	\$ 8,053.91
Major Purchase Fund	11,620.94
TOTAL BALANCE FORWARD	\$19,674.85
Income:	
Contributions	\$14,435.51
Proceeds	170.00
General Fund Interest	505.38
Major Purchase Fund Interest	668.20
TOTAL INCOME	\$15,779.09
Disbursements - Bandelier National Monument:	
Archaeological Pinyon-Juniper Survey	\$ 8,282.89
Coffee with a Ranger Program	281.29
Cultural Awareness Crafts Demonstration Program	500.00
Prehistoric Trails Research Grant (from Massey Memorial Fund)	700.00
Purchase of Crafts from Folk Artists	250.00
Tinware Conservation Training	1,427.63
TOTAL DISBURSEMENTS	\$11,441.81
Expenses - Friends of Bandelier:	
Adopt a Bit of Bandelier Photography	\$ 121.45
Bulk Mailing Permit Renewal	100.00
Corporate Report Filing Fee	20.00
Internet Service Provider Domain Name Registration, Service Set-up, and Routing Fees	125.00
Postage	191.13
Post Office Box Renewal	44.00
Promotion Patches	321.29
Publicity Photography	207.50
Supplies	151.18
TOTAL EXPENSES	\$1,281.55
Net Income:	
General Fund	\$ 9,441.44
Major Purchase Fund	13,289.14
TOTAL NET INCOME (Cash Balance as of December 31, 1999)	\$ 22,730.58

**Friends of Bandelier Projects
1987-1999**

Archaeological	
Archaeological survey: 1987-1999	\$26,251.29
WSU Excavations	18,850
Pottery/pumice studies	4,880
Digitize archaeological photos	3,505
Pajarito Bibliography printing	2,000
Pollen analysis	2,000
Capulin Canyon Excavation report	2,000
Archaeological survey equipment	1,145.80
Soc. Am. Archaeology meeting (Mozzilo)	1,078
Mapping Prehistoric Trails	700
Interpretation	
Museum Sculptures	\$10,800
Parking Lot Attendants	6,456.35
Visitor Center Desk	2,646
Miscellaneous supplies	2,006.29
Tinware Preservation Training	1,427.63
Am. Ass'n for Museums meeting (Roybal)	1,370
Postage for Traveling Trunk	1,000
Frey Memorial	950
Freezer for Archives	600
NPS Interpretive Ass'n membership(Yazzie)	120
Replica pottery	80
Prints for All-Species Day	65.60
Interpretive Pass Design Award	25
Frames for Interpretive Photos	15.36
Resource Management	
Global Positioning Systems and supplies	\$10,847
SCA Technician for GIS (Promislow)	7200
Video Camera	2000
Stereo Microscope	750
EMS Trauma Kit	414.95
GIS Tapes	110
Cultural Awareness - Pueblo Crafts	
Pueblo Crafts Demonstrations	\$9,971.60
Crafts Purchase (Nave sash; Quiver dance kilt)	555
Crafts Purchase (Herrera Drum)	250
Crafts Purchase (Browning pot)	200
Crafts Purchase (Naranjo pot)	185
Crafts Purchase (pot)	175
Crafts Purchase (Lone wolf pot)	130
Crafts Purchase (Toya Moccasins)	75
Ecological	
Greenhouse facility supplies	\$5,000
Pinyon-juniper Restoration Study	4,800
Ecological technician (McGrath)	4,000
Handicapped	
Campsite Upgrades	\$2,100
Handicapped Ramp	1,625.74
Campground Doorknobs	1,500.08
Wheelchair	640
Telephone Device for the Deaf	443.30
Braille Labels for Touch Table	106.50
Social Events	
Coffee-with-a-Ranger	\$1,864.99
VIP Party, receptions	1,001.57
GRAND TOTAL:	\$145,918.05

Bandelier Archaeological Survey Report

At long last, the National Park Service report on the 1987-1992 archaeological surveys at Bandelier and the intensive subsequent data analyses is available. We received a copy for the Friends' archives with a note from NPS archaeologist Bob Powers, project leader for the Bandelier survey. Bob writes, "Please put this [notice] in the next issue of the Friends newsletter. I'd like to make sure everyone who so patiently supported us has a chance to have a copy." Many Friends may remember Bob from the wonderful 1982 tour he gave us on the mesa between Frijoles and Lummis Canyons.

This scientific report comes in two volumes, with a total of 651 pages (including references and index) and well supplied with tables and graphs. It is not light reading, but certainly fascinating for anyone who is truly interested in prehistoric life at Bandelier. The report is free (your tax dollars have already paid for it). To get a copy, send an e-mail request to bob_powers@nps.gov or a written request to Anthropology Projects, National Park Service, PO Box 728, Santa Fe NM 87504-0728.

From all their data, the researchers construct a surprisingly complex history of settlement in the Bandelier area. There is no evidence of habitation before 1150, but then begins a rapid rise in population from a few hundred initial immigrants to over to 3,200 people only 100 years later. The entire trend was primarily sustained by immigration, with people first building small houseblocks on the mesas between Frijoles and Lummis canyons, then continuing with small settlements radiating out in all directions. The researchers were shocked to find a sudden and dramatic drop beginning in 1250 - when population plummeted to less than 750 people - which they attribute to a series of prolonged droughts. Population began to rise again 25 years later and reached its peak of 3,600 people by 1300. The people lived mostly on the mesas in the Yapashi area between Alamo and Capulin canyons and in areas to the west. This was the largest population that Bandelier ever sustained and occurred before settlement began in Frijoles Canyon. Dry conditions continued and the population sustained a long and fairly sharp decline as people abandoned the mesa tops. By 1440, the people had moved to areas with permanent water supplies, building the settlements in Frijoles Canyon and at Tsankawi, with just a small number of people left at San Miguel Pueblo. The maximum population in Frijoles Canyon was in 1500 with only about 760 people occupying the canyon dwellings that now make up the visitor area. Frijoles Canyon was largely abandoned by the mid-1500s. The researchers attribute much of the decline and exodus to long drought cycles and resource depletion of all kinds.

Researchers begin a study by developing a model of what they expect to find, then compare the model with the actual data. When the analysis of the Bandelier data was complete, our researchers had to modify their model. Ancient life was not quite what they predicted. That, of course, is the fun of archaeology.

Would you like to hear more about the findings?



Friends of Bandelier 1999

Tragic News

It is heartbreaking to report that Jeff Weaver, only child of Superintendent Roy Weaver and his wife, Carol, was killed in an accident just before Christmas. Our hearts go out to the Weavers.

IN MEMORIUM 1999

In Memory of Robert Massey

NMT-6

Barbara Taylor

Brad Wright

Carl Johnson

Carol Schoenberg

Carroll Thomas

Cheryl Rofer

Dale Thompson

David & Ellen Scudder

Donald Hoard

Franz Jahoda

Harry Dreicer

Hiroshi Hoida

John Ingraham

Kay Eccleston

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Matthew & Polly Freeman

NM Women's Foundation

Paul Weber

Robert, Laurie, & Jillian Tomlinson

Robin & Richard McLean

Ronald Moses

Sarah & John Gustafson

In Memory of**Russell and Mary Kidman**

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Kay & George Eccleston

James & Denise George

Linda & Wayne Hardie

Robert & Jackie MacFarlane

Judy & Mike Mahaffey

James & Betty Jean Maryott

Linda McLellan

Louis & Camille Morrison

Jane & Fred Morse

Eugene & Elizabeth Plassmann

Sandy Ratnbun

Joyce Steele

Jo & Lawrence Ulrich

In Memory of Ed Wilder

Duddie Wilder, his wife

In memory of Alice Rulison

Dorothy Hoard, her niece



It has been a sad year.

Out of State

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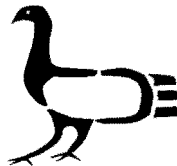
ANNUAL REPORT 1999

Once again, our heartfelt thanks to Los Alamos National Bank.
In addition to their "usual" generous support, LANB made
possible our new website. Check it out at
www.friends of bandelier.org

Are your dues due?

Check the upper righthand corner of your mailing label for
your expiration date.

The post office requires that all our pieces be identical to
qualify for our bulk mailing privileges. Therefore, we have
to put a renewal envelope in each piece, even though you may
have recently renewed. We are delighted that people will
save the envelopes and send in renewals throughout the year.



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United States Department of the Interior

NATIONAL PARK SERVICE

Bandelier National Monument
HCR 1, Box 1, Suite 15
Los Alamos, New Mexico 87544-9701
(505) 672-3861 ext 502

Parks and People; Our Mission, Their Future

STATE OF THE PARK REPORT 1999

Visitation to the Monument decreased about 1.5% through CY1999 to about 330,474 visitors. Backcountry visitation appears to have rebounded from the impacts of the Dome Fire, increasing 41% over the same period to date through September 1999. Visitor hours are projected to be about 1.153 million, up 3.2% and campers should be just under 16,000 which would be up about 6.3% over last year. Overnight stays should be just under 21,000, about 14% above the 1998 mark. While visits have decreased again, visitor use hours have increased with significant gains in backcountry and campground numbers. The main season of visitor use continues to be from March through October. Fluctuations in months of use still seem primarily weather dependent, with continuing decreases in late summer visitation. Traffic backups decreased again this year.

The interpretive staff continues to provide quality programs. Roving patrols throughout the ruins contacted 7,674 visitors while additional 7,672 visitors participated in formal guided walks. Traditional evening campfire programs were provided 83 times for 2,773 visitors. Our coffee with a Ranger program (supported by the Friends) enjoyed greater success this year due primarily to moving the event to the rear portal of the visitor center. The interpretive staff developed a mountain lion safety bulletin for backcountry users. In addition, site bulletin handouts were developed on mammals and one on prehistoric agricultural techniques in progress. We updated the Frijoles Canyon Tyuonyi Loop Trail Guide, Tsankawi Trail guide and are in process of a complete revision of the Falls trail guide. Site bulletin handouts on mammals and Prehistoric Agricultural Techniques are in progress. Due to the popularity of our Junior Ranger program, we developed a Deputy Ranger program for adults. So far 228 visitors have participated in this program. We continue to work on our completely new, expanded and revised wayside exhibits being funded out of our Fee Demonstration program. The new exhibits should be in place by next summer.

As part of our government improvement program, we distributed visitor satisfaction survey cards. Visitors return the cards with their comments to the University of Idaho for evaluation. The results indicated that 97% of our visitors are satisfied with our facilities, exhibits, and interpretive programs and that our interpretive programs are clear enough that 92% of our visitors understand the significance and purpose of the Monument.

The Recreational Fee Demonstration Program (FeeDemo) continued at BAND through 1999 and is extends now through 2001. Direct returns to the park from entrance fees we collect were over \$595,000 and applied towards various FeeDemo projects and the cost of collection activities including special interpretive programs. Projects completed included installation of new toilets and upgrading VIP facilities at Ponderosa Group Campground, Phase I of the Tsankawi trail project, completion of the first phase of re-roofing historic structures, work on the historic stables, preliminary work on the powerhouse upgrade, and installation of an automated fee unit at Tsankawi in April. Due to rodent problems and Hanti-virus concerns, the Tsankawi fee station was demolished and rebuilt using cost of collection funds by park day labor. The Automated fee unit was re-installed and opened for use in July. The program there is being more readily accepted than anticipated and collections exceeded initial estimates even though the unit was not fully operational most of the year.

A trail crew from Bandelier NM assisted a crew from Los Alamos, NM with a stabilization project on the county's Great Neck Trail. They corrected erosion problems and constructed approximately 600 square feet of dry laid stone wall, which was intended to eliminate the loss of this trail to erosion.

We are the Keepers of the past, Caretakers of the present, and the Promise of the future.

Five CCC historic structures were rehabilitated. Many exterior and interior walls of the historic structures were replastered and repainted with the original CCC historic color scheme of "salmon and butterfly." We constructed three stone handicapped ramps for the VC entrance, the gift shop patio entrance, and the gift shop entrance. We finally replaced the 25-year-old pit toilet at Ceremonial Cave with a new vault toilet and located it out of the Frijoles Creek floodplain.

The RM Section was experimentally reorganized in January 1999. The new organization brings the natural and cultural resource work groups onto the same hierarchical plane. There were 90 persons working in and or associated with the Resource Management Section in FY'99. Eighteen of these positions have a form of permanent status. The RM Section also had 42 temporary employees, 21 volunteers/SCAs, and 7 associated staff in 1999. The park and Section continues to enjoy the services, companionship, and scientific findings of Dr. Craig D. Allen of the USGS-Biological Resources Division. The Resource Management Section Budget in FY'99 was **\$1,681,781** from various fund sources, including \$575,600 within 9 base funded accounts, \$48,187 in 2 fee demo accounts, \$246,987 in 5 project accounts, and \$49,100 in 7 SPMA, "Friends," and general donations accounts; and \$761,907 within FIREPRO accounts. Fourteen (14) research permits were issued in CY2000. Twenty-five "investigators Annual Reports were compiled and submitted to the national database now available to the public through the Internet. The park GIS was used for at least 250 hours to meet the cartographic display needs of 26 projects. The park GPS units were in near constant use.

"The Bandelier Tribal Consultation Committee," consisting of six member pueblos, was organized and met four times. San Ildefonso, Cochiti, Zuni, and San Felipe met with park staff to consult on Bandelier Wilderness PJ Woodlands restoration and Tsankawi Unit management issues. San Ildefonso, Cochiti, and Zuni representatives spent a full day with park staff learning about the NPS and providing the NPS with information on how the Tsankawi Unit should be managed from their perspective. San Ildefonso, Cochiti, and Zuni representatives met with park staff and a consulting ethnographer to finalize the Committee MOU and role and function statement. The East Jemez Resource Council was established under NPS leadership in 1998. The Council charter was finalized and signed by the key players by February 4, 1999. We handed over the reins in February to LANL and participated in all scheduled meetings in 1999. The park wildlife biologist continued to lead the elk subcommittee and the park archeologist joined the newly formed cultural resources subcommittee.

The Draft Wilderness Stewardship Plan and EIS was not developed for two reasons: 1) lack of funds and 2) need to develop a constituency and support framework—both internally and externally before launching into this controversial plan. Attempts to get \$270,000 in external funds failed because compliance actions rank poorly in the national ranking criteria. There is no other source of money for this kind of work. Intermountain Region and park staff met to explore concerns and issues and to strategize on how to get funds and personnel services to create an EIS. Approval to proceed was given by Deputy Regional Director John King following an interdisciplinary briefing. Park fee demo funds were allocated for the project in the fall of 1999.

A draft Tsankawi Management Plan and Environmental Assessment were created in 1999. Tribal and internal scoping was completed. The draft plan and EA will be sent out for tribal, SHPO and public review and comment in the winter 2000. Many data gaps were filled to create this plan including: a soils survey completed by the NRCS, archeological sites were relocated, unsurveyed areas were surveyed, a hydrologic condition assessment was completed, a variety of cultural resource preservation methods were tested; and a cultural landscape inventory was completed.

The Bandelier Water Resources Management Plan was completed in 1999. The Draft Vegetation Management Plan was revised to focus on only non-controversial routine operations. The Wilderness Stewardship Plan will deal with desired future vegetation conditions and on how to attain them.

The State of New Mexico was asked to take on primary responsibility for creation of the White Rock Canyon Bighorn Sheep Management Plan early in 1999 due to our need to focus on the Bandelier Wilderness Stewardship Plan and EIS. The EA for the proposed bighorn sheep reestablishment remains our responsibility. The compliance documentation, however, cannot be developed until a draft plan has been accepted by the participating agencies. A second draft of the White Rock Canyon Bighorn Reestablishment Plan was submitted for review in July 1999. The third draft of the plan has been delayed

because of other wildlife management problems in the State; for example, controversy over the taking of mountain lions to improve the probability of bighorn sheep survival in marginal populations.

The DOE asked the NPS to facilitate the development of a management plan for the White Rock Canyon Reserve created adjacent to the park in the Water Canyon Tract (DOE administered lands). An MOA was developed and signed by Bill Richardson (Secretary of Energy), John King (acting on behalf of the Director of the NPS), Leonard Attencio (Forest Supervisor, Santa Fe National Forest), and a DOE representative on October 30, 1999.

Ecosystem Change Monitoring - 2541 m of vegetation transects were read in the summer/fall of 1999. This includes 50 m transects, 3 burro exclosures and the Frijolito Watershed. Eight new fire effects plots were established in the park and 65 pre-existing plots were reread. We continued to meet the fire effects monitoring needs of Lake Meredith NRA and El Malpais NM. Tree diameter data was collected 42 times during the FY, weekly during the growing season and every 2-3 weeks during the non-growing season. There are 10 trees at each of the 3 ponderosa pine sites and 8 trees at the one piñon pine site (38 trees total). The 101 arthropod pitfall traps located in PJ woodland, ponderosa pine forest and mixed conifer forest were collected in Oct. 98, April 99, June 99 and August 99. USGS contracts with UNM researchers continue on this collaborative project. The park allocated \$6,000 from General Donations to contract for the identification of arthropods collected in the PJ woodlands paired watershed study area and in the 16 elk exclosures.

Soil Erosion Studies - 39 visits were made to measure and bail water, dig, measure and sample sediment, and sift sediment for cultural artifacts in the FY. This represents twice as many visits as in previous years.

The 44 erosion bridges associated with eleven vegetation transects were read in Oct. 98 and April/May 99. The 27 bridges in the Frijolito Watershed Hydrology Study area were read in Oct. 98, May 99, and June 99. Since the park greenhouse is now operational (thanks to the Friends of Bandelier), we were able to compare growth performance of three native grass species relative to soil differences between tree canopy and intercanopy areas.

This was year three of the four-year study to determine the efficacy of a PJ Woodlands Restoration technique at the watershed level. We collected vegetation cover data from 40, 100 meter and 12, 60 meter vegetation transects; collected erosion data (30 points per bridge) from 300 erosion bridges (spring and fall); collected arthropod samples from 80 pitfall traps x 2 samples (early and late summer); collected Lepidoptera samples from all transects x 2 replicated samples; and secured two additional years of additional funding. Collection of year 4 post-treatment data (2268 meters vegetation cover data) from the small-scale restoration study sites was accomplished as planned.

Forty-two locations of turn-of-the-century photographs were found and re-photographed in Frijoles and Capulin Canyons, around Yapashi and Otowi ruins, and in the Pecos Wilderness. Charles Lummis, Joseph Amasa Munk, E.S. Larsen, Jesse Nusbaum, Lucy Wilson, and George Beam took the original photos.

The elk impacts study completed its third year out of four for data collection. Vegetation data was collected from 3,200 m of line transects and erosion rates data was collected from 60 soil erosion bridges. The elk population dynamics and movement study research plan, capture plan, biological opinion, and FONSI were successfully completed. Forty-two elk were captured and radio collared in January 2000.

Due to the generosity of the Friends of Bandelier, we contracted with Conservator Bettina Raphael to train 4-6 park staff and volunteers in the cleaning and general maintenance of our CCC tinware in "relatively good condition." The trainees cleaned and waxed 12 pieces. Forty items were identified for maximal protection as the Bandelier National Historic District CCC tin works "type collection."

All archeological site records were organized and counted for the first time since 1991. 2,201 archeological sites are listed on the 1997 Archeological Sites Management Information System (ASMIS). Approximately 300 additional sites will be added in FY2000. Condition assessment data is not available for all 2,500 sites. Formal condition assessments were only completed for sites recorded after 1987. The magnitude of the overall cultural resource database management problems was assessed and protocols for correcting problems were developed. A comprehensive database management program that meets

national (ASMIS) and park management needs was developed last fall. The adequacy of the database will be tested in FY2000. Using General Donations dollars we hired an archeologist to enter all sites located in the PJ woodland zone into a customized database.

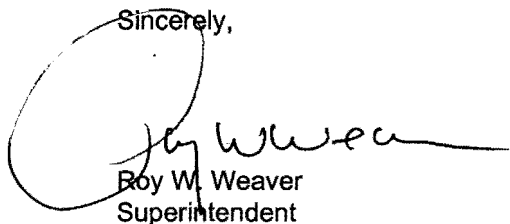
Due to a combination of Friends of Bandelier and fee demo funds, we surveyed an additional 563 acres in the PJ woodlands for archeological sites, locating 13 previously unrecorded sites. Twenty-two previously recorded sites in the PJ woodlands were revisited to conduct condition assessments. The PJ zone survey, Tsankawi Unit, and parkwide prescribed burn surveys in combination resulted in 1,306 previously unsurveyed acres being surveyed in 1999. An additional 678 acres were identified as unsurveyable. A total of 33 previously unrecorded sites were recorded in FY99.

Bandelier received funding for two new "Vanishing Treasures" permanent positions in FY1999. These positions were filled by University of Pennsylvania School of Historic Preservation graduates. This funding and the skills possessed by these specialists will allow the park to address highly specialized cavate preservation, frontcountry and backcountry archeological sites preservation, and Frijoles Canyon Historic District preservation needs.

The 1999 cavates conservation treatment program was successful in its objectives to conduct pilot treatments to test the efficacy of selected conservation materials and methods to stabilize deteriorating cavate wall and floor plasters and to train project interns in documenting and conserving prehistoric earthen materials. We completed a condition assessment and photodocumentation of the 158 cavates. Within the 158 cavates, 299 sq. meters of earthen finishes (plasters) were recorded. Selected conservation treatments were tested on fragile or damaged architectural finishes in two cavates on North Mesa and 14 in the Tsankawi Unit. The preservation crew also completed photodocumentation of the 83 cavates. Plan view and profile maps were drawn of 158 cavates in Group B, an area that had never been fully mapped. Seventy-five cavates in group A were also documented, completing the map of group A. This last season's work, in combination with the Bandelier Archaeological Survey, provides the park with complete plan and profile maps of cavate groups A-M located in Frijoles Canyon.

Again, the financial and moral support of the Friends of Bandelier National Monument has made a vital difference. Without the Friends and other volunteers, we could not continue to provide quality programs and services for our thousands of visitors and protect the Monument's unique and irreplaceable resources. Thank you all for your continued assistance and the demonstration that you really care.

Sincerely,



Roy W. Weaver
Superintendent