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Archaeological Conservation as Process and Product: A Federal Perspective

Ronald D. Anzalone

Advisory Council on Historic Preservation

Alice felt as if she would never be able to talk again, she was getting so much out of breath: and still the Queen cried "Faster! Faster!" and dragged her along. "Are we nearly there?" Alice managed to pant out at last. "Nearly there!" the Queen repeated. "Why, we passed it ten minutes ago! Faster!"

Alice looked round her in great surprise. "Why, I do believe we've been under this tree the whole time! Everything's just as it was!" "Of course it is," said the Queen. "What would you have it?" "Well, in our country," said Alice, still panting a little, "you'd generally get to somewhere else--if you ran very fast for a long time as we've been doing." "A slow sort of country!" said the Queen. "Now, here, you see, it takes all the running you can do, to keep in the same place. If you want to get somewhere else, you must run at least twice as fast as that."

--Lewis Carroll, "Through the Looking-Glass"

INTRODUCTION

Countless books and articles have either explored in some depth, or at least touched upon, the conservation of our cultural heritage. For the purposes of this volume, it would be an exercise in futility to attempt to detail current procedural requirements for historic preservation through various federal statutes and regulations. A number of sources have attacked this task in the past le.g., Scovill, Gordon and Anderson 1977; King, Hickman, and Berg None has managed to provide completely up-to-date 1977). information on even the regulatory oscillations current that year, and there have been a myriad of changes since 1977. If there is one constant here worthy of note, it is certainly the fact of change, and there is an unfortunate but real possibility that such a discussion of regulatory procedure, besides being overwhelmingly boring, would itself be eligible for the National Register of Historic Places as a historical resource. At the same time, any attempt to deal with the full range of historic, archaeological, and cultural properties that come under the purview of historic preservation and related laws is well beyond the scope of this paper.

Consequently, this paper will focus on a polemical discussion gical component, in place today where little more than highway or of some of the elements surrounding the national treatment an eservoir salvage existed in 1971. Most archaeologists have been oversight of archaeological resources and their management wolved in one capacity or another in the program, most often as conservation generally advocated by federal policy and law as it hantractors, and perhaps a majority have at least a passing evolved into the middle of the decade. Several primary theme equaintance with the meaning behind those cryptic numerical code punctuate this presentation. The first of these themes concerns the quences we use: 1-0-6, 1-1-5-9-3, 93-191. There is, hopefully, value of archaeological things, and considers a number of problem or than a passing acquaintance among the archaeological and concerns associated with the often complementary bummunity with the regional or state planning idea and the sometimes conflicting search for and realization of archaeological overview" study. But as a group, we are still research values and the value of archaeology to the public. The appling with the same fundamental problems recognized over a second theme, in juxtaposition to the first, concerns some currence ago. How can we make justifiable decisions that are at once federal land use and development planning policies and strategicelping us to advance scientific knowledge, and at the same time and appropriate mechanisms for incorporating the consideration deviding a valid basis for management decisions about archaeoarchaeological resources into such planning. The third theme, the gical resources? In the search for "balance" between archaeology logical bridge between the first two, provides some thoughts on home development interests, where does the public interest lie? the development of priorities, both research priorities and plannin hat, in fact, is the public interest in what has come to be known as priorities, can perhaps be profitably used to find points of mediaticular archaeology? Finally, and perhaps most importantly, how and accommodation between archaeological values and developmentan we as members of the archaeological community best contribute needs. To the extent possible, a few recent examples will be cite the realization of that public interest at the same time as we that illustrate these points. This article does not purport forect our own narrower interests, specifically as advocates of represent the federal government viewpoint on archaeological conservation and the broadening of archaeological conservation, but simply one perspective based on person owledge? While such discussions go well back in time, like the involvement at the regulatory and "horsetrading" middle ground.

A LOOK BACK

In the summer of 1971, an article entitled "A Conflict eminars on the "Future Direction of Archaeology" at Airlie House, Values in American Archaeology" appeared in American Antiquit irginia. Eventually published by the Society for American Some may remember it; many may not. In any case, the article rchaeology (McGimsey and Davis 1977), the Airlie House Report touched on a perceived rift between the "needs and ethic of added to the growing participation of federal agencies in the explicitly scientific approach to archaeology and the operation chaeological preservation polemic.

The Advisory Council on Historic Preservation, although

assumptions of those governmental agencies that support archaed. The Advisory Council on Historic Preservation, although logical salvage," and went on to assert that the conflict "was like stablished to "advise the President and the Congress on matters to provide an effective deterrent to the organization of productive lating to historic preservation" (16 U.S.C. 470j) and supposedly large-scale research programs in American prehistory" (Kinaring leadership of federal preservation programs with the 1971:255). The paper advocated regional plans and research design epartment of the Interior, had extremely limited interest and that could be used to make future site-specific decisions avolvement in questions of archaeological resources prior to 1976. "salvage" research, as one way to avoid the inductive, particularist 1976, amendments to the National Historic Preservation Act of amassing of salvage data on a piecemeal basis.

In some ways, little has essentially changed in the intervening only properties listed in the National Register of Historic 15 years. It is certainly true that there have been advances singlaces, but also those eligible for such listing. More than any other then; there is (more or less, according to vagaries of budge gislative change, including the celebrated "Moss-Bennett" bill requests, executive policies, and congressional action) a full-fledge (L. 93-291, the Archaeological and Historic Preservation Act of national historic preservation program, with a substantial archaeo 374), the change solidified and ensured the substantial federal

components of the archaeological properties in question, their most ecent sequence may be seen to date from 1974 with the National

consideration of archaeological properties with the "potential tourvey adequacy and evaluations of archaeological significance, yield information important in prehistory or history." Althoughave rise to two investigations and reports from the General charged with commenting on federal undertakings affecting counting office in response to requests from the House archaeological sites to some extent before, and to a much expande committee on Interior and Insular Affairs. Both of these concerned extent afterward, the Advisory Council did not even have antederal funding and management of archaeological studies and archaeologist on its staff until late in 1978. Despite that basicreservation as they related to how the various legal mandates were handicap, however, the Council formed a task force in 1976-197 ctually being carried out in practice. The first of these reports, on that included representatives of various affected federal agencies he New Melones project itself, was issued in 1979 and raised the the archaeological profession, and State Historic Preservation ow notorious blockbuster questions of "How much archaeology is Offices to review what was seen by many in both historienough?" Specifically, the report noted that "Efforts to preserve preservation and the federal government as "the problem with rchaeological and historical resources at the New Melones Dam The "problem" stemmed mainly from threproject in California have been clouded by the lack of federal considerations that federal agencies (and applicants for federal uidance on the adequacy of archaeological preservation and who permits or assistance) had to worry about: the requirements followed direct the program" (GAO 1979:i). The General Accounting archaeological inventory established under Executive Order 11593 ffice did not stop there. The second report, issued in 1981, was the expanded consideration of the effects of federally-sponsore considerably broader in scope and dealt with the question of whether projects on archaeological resources that might be "eligible" for the ederal agencies were doing enough or too much in carrying out the National Register in accordance with the amended National Historicul gamut of their archaeological management and conservation Preservation Act; and the provisions for scientific data recovery esponsibilities, from identification to protection and mitigation. threatened resources under that statute and the Archaeological anthe report stated that "the Department of the Interior must provide Historic Preservation Act of 1974. Under the auspices of the tastetter leadership and direction to Federal agencies and States.... force effort, and with Department of the Interior funding an atterior has not established good criteria for agencies to use in participation, an important conference was held at the Fort Burgwinetermining whether identified sites are important to the national heritage, nor has it provided guidance on the extent to which Research Center, New Mexico, in 1978 (ACHP 1978).

The resulting conference report set the stage for most of the rchaeological resources must be recovered, recorded, or preserved national archaeological policies in operation today. Using much of comply with Federal laws and regulations" (GAO 1981:i). Other the Fort Burgwin report as its basis, a fuller report of that tastederal agencies were also singled out for their failures in this force was finally issued in 1979, several months after the Advisory egard, and the Advisory Council was criticized for being lax in its Council finalized and issued its revised regulations (originally issued eview of federal efforts. The report concluded with a number of in 1974) for complying with Section 106 of the National Historic eneral and specific recommendations, among them: that archaeo-Preservation Act (36 CFR Part 800). The task force report of gical overview studies should be done; that surveys be better presented a number of general and important, if sometime ordinated with land-use planning activities; that survey standards elementary, conclusions on a wide range of topics, including finalized; that significance evaluations and other decisions be inventory, evaluation, and mitigation. Among other recommendade with reference to state archaeological preservation plans; and dations, the task force saw the need for evaluating archaeological at mitigation adequacy be judged in relation to problem properties within the context of state plans; establishing prioritie rientation, overall research design, and state planning priorities. for evaluating sites and determining appropriate disposition as early All of these things stimulated Advisory Council interest in

for evaluating sites and determining appropriate disposition as early. All of these things stimulated Advisory Council interest in as possible in project planning; developing guidelines or standard king a more active role in archaeological oversight than had for mitigation work; and developing mechanisms for dealing wit reviously been the case. An immediate result of the task force regulatory compliance for the consideration of archaeological eport and the New Melones GAO report was the preparation and resources on a comprehensive programmatic basis for long-termirculation of the Council's Handbook, Treatment of Archaeological programs or large-scale projects.

At the same time, controversies surrounding archaeological ations, that had been made to provide better guidance the

At the same time, controversies surrounding archaeological ations that had been made to provide better guidance, the investigations in the New Melones Reservoir in California, including landbook had wide dissemination and active use, although intended

to address only some of the "problems" with archaeology. In order to more fully understand current thinking and policy, therefore, it is necessary to briefly digress and describe the Advisory Council's principal statutory role in the federal archaeological program as it has come to be exercised.

THE CURRENT SECTION 106 SYSTEM AND ARCHAEOLOGICAL RESOURCES

the effect of its actions on historic properties in a document that replaceable resources with far less than complete information can stand up in court if necessary. The heart of this process inout them. "consultation," in which the various parties engage in, if you will In looking at the effects of undertakings specifically haggling on the end result. Anything and everything may boncerned with archaeology and consulting about such projects, four:

- (IDENTIFICATION affected? properties being EVALUATION)
- Are there alternatives that will avoid the project's effects of. 2. any or all of the properties? (PROJECT PLANNING)
- Are there alternatives that will lessen, or mitigate, the 3.

project's effects on any or all of the properties? (TREATMENT/MANAGEMENT OPTIONS)

On balance, what is the best course of action to which all parties can agree? (DECISION AND IMPLEMENTATION) It is important to note in passing here that there is nothing in

the arrangement that suggests that these four broad topics must be ealt with sequentially, or that the answers given to each of the uestions will not affect the other appropriate answers. As we shall **see**, the underlying assumptions promoting this interrelatedness are Besides its role as historic preservation policy advisor, the foundation of the comprehensive archaeological planning Council is responsible for overseeing federal compliance with trategies discussed in more detail below. In any event, though, the Section 106 of the National Historic Preservation Act, which state rocess defined under Section 106 is not an unbalanced advocacy for that federal agencies, and, by implication, recipients of federal aid the preservation of historic buildings, archaeological sites, or licenses or permits, and other assistance, must take into account the nything else. The process embodies principles of negotiation and effect of their undertakings on historic properties. Such historiexchange in that it is supposed to present a search for the "public properties include archaeological resources. In doing this, they must herest," a balance that is struck between historic values and the also afford the Council a reasonable opportunity to comment on the alue of development. This would appear to be the essence of a undertaking. Since the full Advisory Council itself is a 19 member onservation or "wise use" philosophy as it might be applied to body comprised of Presidential appointees, federal agency heads rchaeological conservation, and I would strongly disagree with and others, it clearly cannot comment on all the projects and othernyone who interpreted "conservation" to mean either stockpiling action being carried out each year. Thus, a process has been set u gainst some distant future day or enclosure in a glass bubble. in which review of these activities, most often discrete developmen council staff review of proposals affecting archaeological resources projects, is carried out cooperatively by State Historic Preservation roceeds from the basic premise that while there is indeed a finite Officer personnel and Council staff. If representatives of the nonrenewable universe of archaeological things, there is an agency in question, the State (SHPO), and the Council can agree qually bounded universe of time and money to commit to them in how a project or a program is to be carried out, they put that a face of other needs. At the same time, "consumption" of some agreement down in legal language. This accomplishes both the sources is necessary in order to advance knowledge to the point directives of Section 106; it shows, on paper, that the Council hat here better informed decisions can be made for future its chance to comment by providing input into the final project plan nanagement. Priority definition is essential; the overriding problem or lessening its damage to historic properties, and it also formall how to come up with a basis for defining those priorities in the demonstrates in what manner the agency is "taking into account irst place, and how to make decisions about the fate of

included in this consultation, but principally the considerations are ouncil staff are guided by principles contained in the previously eferred-to Handbook for Treatment of Archaeological Properties, What, in detail, is the nature and value of the historicafted in 1980 under the principal authorship of Thomas F. King. AN f the principles contained in the Handbook, the most important to

> mention here are nine: Archaeological research, addressing significant questions about the past, is in the public interest.

- Archaeological properties are important wholly or in particular with all kinds of historic properties. Of particular interest 2. because they may contribute to the study of importants the section on comprehensive planning (Standards for Preservation research problems.
- 3. archaeological properties are equally important.
- for research, balanced against other public values.
- 5. define, how an archaeological property should be treated.
- 6. place, it should be.
- 7. be appropriate treatments for archaeological properties.
- Data recovery should be based on firm background data an pecific land-use planning needs. 8.
- Data recovery should relate positively to the development of COMPLIANCE" ON THE GREAT PLAINS: 9. State Historic Preservation Plans.

These statements are generally consistent with current archaeological philosophy, federal historic preservation policy as i mainly focused on the point at which decisions need to be made ogether toward these goals" (Frison 1984:311-312). about archaeological mitigation and other preservation efforts. Examination of the trends actually reflected in recent Bureau cannot address some of the fundamental problems recognized no Land Management and Forest Service area planning efforts, along just by the General Accounting Office and federal agencies but with a brief examination of the contents and implications of several practicing archaeological professionals: the adequacy of identifingrammatic Memoranda of Agreement involving consideration of cation, and evaluation of significance, within the context trchaeological resources in the Great Plains that have been land-use planning needs.

application, usefulness, or practicality, the National Park Service issues being raised by Frison (as well as myself). Along with

Planning). The introduction hastens to point out that "These Not all research problems are equally important; hence, not all tandards and guidelines are not regulatory and do not set or interpret agency policy. They are intended to provide technical Treatment of an archaeological property depends on its valued vice..." (National Park Service 1983:44716). This "technical dvice," however, makes it clear that the general policy direction is Eligibility for the National Register suggests, but does not learly biased toward comprehensive preservation planning and contextual studies to develop goals and priorities for identification, If an archaeological property can be practically preserved invaluation, and treatment of archaeological resources. tatewide basis, this is to be done through state preservation plans; Both data recovery and destruction without data recovery main federal lands, areal management plans are intended to focus tate or multi-state priorities more specifically and adapt them to

OME PROBLEMS AND POSSIBLE SOLUTIONS

In a recent article describing archaeological investigations at has evolved over several decades, and the recommendations of the Carter/Kerr McGee site in the Powder River Basin of Wyoming, Fort Burgwin conference, the Archaeology Task Force, and theorge Frison complains that "the concept of 'inventory and General Accounting Office. The principles are not withoutvoidance of cultural resources without strong parallel program of controversy (for example, consider the implications of number esearch should be abandoned" (Frison 1984:311). At the same time, three and seven). However, as a basis for reviewing federa since it is not possible to either save or investigate all archaeoactivities that might affect archaeological resources, the gical resources, cultural resource managers must, in addition, be application of these standards and the use of more comprehensivable to establish priorities and make proper decisions.... The data and "programmatic" strategies and oversight have increasinglase is now sufficient to plan long-range, problem-oriented played a significant role in determining the way in which archaeolaleoindian research in the Powder River Basin. The goals of this logical conservation is being carried out under its federal an esearch should be agreed upon by researchers, CRM, contract legislative mandates. At the same time, standards such as these rchaeology and avocational archaeologists, and all should work

egotiated among federal agencies, State Historic Preservation Although little information is available to date on the fficers, and the Advisory Council, may be instructive in examining

has recently addressed these issues to some extent with inte-specific special use permits, licenses, and other regulatory "Standards and Guidelines for Archaeology and Historiontrols, as well as the specific cultural resource procedures of the Preservation" (September, 1983). These were developed in responsureau of Land Management, the Bureau of Reclamation, the Forest to a need expressed in the amendments to the National Historiervice and other agencies that have some control over Preservation Act, passed in 1980, for broad federal standards for evelopment, these form the basis for archaeological "compliance,"

and hopefully conservation and management, under the federal system.

While there are many individual projects, both large and small that are also discussed and dealt with each year, and which result in Memoranda of Agreement or other resolutions, the broader "Programmatic" agreements illustrated in Table 5.1 that are negotiated for an entire federal program, large management unit, or major multi-state project in recent years, point to some noteworthy general directions and goals that transcend the individual situation For example, the 1981 ETSI Coal Slurry Pipeline agreement, for a discrete (although large) proposed project, was relatively straight forward in somewhat linear fashion, and merely: (1) set forth cooperative procedures among the various parties; and (2) called for BLM Class I, II, and III inventories in advance of construction (presumably directed at identification and avoidance where possible). By contrast, the more recent agreement for the Garrison Diversion Unit, also for a discrete "project" of water control structures, provides for an overview study connected to the generation of "predictive" models, followed by the implementation of a comprehensive plan for dealing with the various classes of resources that will be affected by the construction of water control structures and all of the activities related to that work.

The broader question of how to deal with archaeological EY: conservation within an entire program or management unit has LM followed a similar trajectory. Again, an agreement not dissimilar to USFS the pipeline project that codified standard Bureau of Landon. Management inventory procedures and more fully spelled out interaction with State Historic Preservation Officers was executed but Forest Service is in Department of the Interior; Forest Service is in in 1981 for many western states affected by the BLM's Livestod Department of Agriculture. Grazing and Range Improvement Program. Once more, no particular comprehensive planning applicable to archaeological resources was called for on these 174 million acres, save for BLM\$ general planning responsibilities under the Federal Land Policy and Management Act and the National Environmental Policy Act. How these planning responsibilities have been put into practice may be illustrated with reference to a recent planning effort being undertaken for the Buffalo Resource Area in north central Wyomin (Bureau of Land Management 1984). Under BLM's preferred alternative, individual cultural resource management plans are to be done for several resources related either to prehistoric resources of historic archaeological sites, as well as other resources as propertie are nominated to the National Register; Class III inventories are to be conducted in other areas being subjected to surface disturband from energy development and extraction or forestry.

Table 5.1. Selected Agreements under Section 106 of NHPA Applicable to Archaeological Conservation Planning in the Great Plains.

"[
States	Agency	Application	Date
MAZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, WY	BLM	Livestock Grazing and Range Improvement Program	1/14/80
AZ, CO, KS, LA NE, OK, SD, WY	BLM USFS	ETSI Coal Slurry Pipeline	7/02/81
h ND n	USGS	Little Missouri Grasslands Energy Exploration and Development	12/08/81
фит	BLM	Public Lands Transfer to State	3/02/83
ND	BOR	Garrison Diversion Unit Project	8/16/83
Nationwide N	OSM	Federal Coal Management	

Bureau of Land Management U. S. Forest Service Bureau of Reclamation Office of Surface Mining

Although there is nothing inherently wrong with this approach resource area or similar management unit, and within a specific particularly considering the normal exigencies of money and time, imine area.

differs significantly from, for example, arrangements under the Little Missouri Grasslands agreement in one important respect SUMMARY OF TRENDS IN THE FEDERAL PROGRAM: unlike the Little Missouri case, there is no explicit context within ATTACKING THE PROBLEMS AND SETTING PRIORITIES which to relate management needs to archaeological research. A overview, an overall archaeological plan for the entire resource area, or, if you will, a "research design" covering archaeologica overnment's approach to archaeological conservation have been resource area, would tie many apparent loose ends together.

Federal Coal Management program and its implications for future rchaeological conservation concerns. From a project by project archaeological conservation activities connected with coapproach, more comprehensive strategies and program reviews are exploration and surface mining in many Plains states. As manual place. From an inflexible application of rote approaches in readers are aware, the relationship of this program to historia rchaeological and management method and technique has come preservation mandates has been in a state of flux for some years nore willingness to devise flexible procedures and innovative This situation stems from a combination of factors, includin trategies for solving problems. Finally, the emergency salvage conflicting federal and state laws; complexities in the adminimentality that characterized the archaeological conservation of a stration of the program itself, with a number of federal agencie ecade ago may perhaps slowly be giving way to more long-term and numerous other constituencies and interests involved; an lanning and truer management with a capital M.

Merlan 1982; Tainter et al 1984). Service's endorsement of a comprehensive plan/sampling approad ocument represents the results of a conference that discussed, as advocated by Pittsburgh and Midway, some consensus seems to mong other things, appropriate ways of integrating management emerging concerning the overall program. Current thinking riorities and research priorities in "allocating" resources for the although still not without disagreement, seems to be moving towardest possible use of archaeological properties. The allocation the development of Historic Management Plans that would approach developed on a trial basis for New Mexico forms one of the prepared either by federal land management agencies on a region ases for a Programmatic Memorandum of Agreement among the or areal basis, or by coal mining applicants for a more specificorest Service, the National Conference of State Historic exploration or mine tract area. Project planning and archaeologica reservation Officers, and the Advisory Council. activities under such a system would (theoretically) flow from such takes the comprehensive planning comprehensive plans at several scales: within a region, within management philosophy one step further toward realization on a

As we have seen, the trends in the development of the federal investigations for all future land-use planning activities in the onsistent and, I think, generally positive. Overall, the continued apparent need for outside intervention in the way agencies conduct This brings us to a few brief words about the running of the heir business has given way to more and more internalization of

disagreements over the specific appropriate mechanisms for All of these trends could potentially have some very positive managing the archaeological resources being affected by large-scalesults with regard to the archaeological research that, along with surface coal mining. The situation came to a head with Pittsburg ublic education and heritage conservation, comprises the product and Midway Coal Company's 1982 proposal to expand its McKinle f archaeological conservation. It seems clear that comprehensive Mine in western New Mexico, and its desire to establish exactly homanagement approaches and planning should, if done properly, much it was required to do to identify, evaluate, and deal wit ogically necessitate more comprehensive thinking about broad affected historic and archaeological sites on its mine tracts. Thesearch questions, regional research problems and priorities, and subsequent controversy over the application of "predictive ore effective and efficient designs to carry out research. A report modelling" to archaeological survey and evaluation in a mining are roduced in 1983 following a "think tank" conference held under the resulted in bitter disagreements among federal agencies, statuspices of the Southwest Region, U. S. Forest Service may perhaps historic preservation officers, the professional community, commun companies, and the Advisory Council (see Keel and King 1987 alvation sought by George Frison. Entitled "Problem Orientation and Allocation Strategies for Prehistoric Cultural Resources on the Following the Advisory Council's and the National Parlew Mexico National Forests" (Green and Plog 1983), the resulting

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logical resource management within a given area, in this case alllack Mesa, Arizona. The problems they cite of changing legislative National Forest lands in New Mexico, the strategy (a) formulate and regulatory directives, overlapping (and often conflicting) agency significant research topics applicable to the given universe opolicies and needs, and professional disagreements about the archaeological things (such as the rise and fall of civilization) appropriate conduct of archaeological research over the course of (b) generates more specific research questions stemming from the years are legion. The concerns voiced by Native Americans, even larger problems (e.g., why did prehistoric people begin to live inconflicting concerns separately pursued by Navajo and Hopi sedentary communities?); (c) identifies what is known about the actions, are real. While certainly not a panacea for all of these archaeological resource universe; and (d) establishes an allocationills, the best way currently available to archaeological conserstrategy with which to make both general and specific managementationists for addressing these ills seems to be what the Forest decisions. The allocation strategy itself consists of a hierarchicapervice has apparently attempted in New Mexico--write a "research series of decisions based on an examination of the modern (andesign" for archaeological management backed up by multiparty perhaps future) use potential of various classes of resources; an greements laying out how it will all work and who will pay for it. evaluation of site condition, prehistoric or historic site use, and siten some states it may prove practicable to base such an arrangement size; and three "allocation" categories based on sample preservation state historic preservation planning mechanisms; elsewhere, it needs, conservation needs for research or other purposes, an may be necessary for principal federal land managers to take the decisions to remove some sites from further managemented. consideration. Thus, each decision point requires educated and creative consideration of research needs and potentials as well apassed it ten minutes ago! Faster!" Let us hope that we have better other public interests within the overall Forest managementuck in agreeing on a mode of transportation, as well as the route to framework.

DEALING WITH SOME LINGERING HURDLES

All of the above may or may not sound fine and generally positive. In any event, some significant practical problems remain to be overcome in implementing some of these ideas. availability of funding to achieve such archaeological conservation management is clearly of paramount concern. While funding to deal with case-by-case crises and project is more generally available either through federal and state agency program budgets or through various requirements imposed on permit applicants and others enough funding to accomplish the type of comprehensive pla implementation discussed above on a large scale is currently managed available. A cooperative public and private sector effort to accomplish some of these goals, however, might be possible i mining companies, forestry products companies, and other development concerns were convinced that an investment in broad conservation planning would make the extent of their responsi bilities more predictable and their business goals more readil attainable.

At the same time, Powell et al (1983) may speak for many i the professional community in voicing their considerable frustration and skepticism over their long-term experience with Peabody Coa

practical level. In essence a sort of "research design" for archaeo Company's mining and archaeological management activities on

As the Queen exclaimed to Alice, "Nearly there! Why, we follow, and can recognize our desired destination if and when we ever get there.

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