

APPENDIX E CULTURAL RESOURCES INVENTORY REPORT DINETAHDOO CULTURAL RESOURCES MANAGEMENT

A Cultural Resources Inventory of Five Proposed Borrow Pits for MWH Global in the NECR Mine Area, McKinley County, New Mexico.

Report prepared by Jeremy Begay, Archaeologist

DCRM 2013-55

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Submitted by
Rena Martin, Anthropologist/Archaeologist
Dinétahdóó Cultural Resources Management
P.O. Box 2012
Farmington, New Mexico 87499

Submitted to and Prepared for:
Richmond Leeson Jr., P.G.
Principal Hydrogeologist/Location Leader
Engineering and Technical Services Group
MWH Global, Inc.
1475 Pine Grove Rd.
Steamboat Springs, CO 80477

Abstract

This report is submitted to the New Mexico State Historic Preservation Office for compliance review as part of the cultural resources clearance process. The report details the results of the cultural resources inventory conducted in conjunction with the project entitled "A Cultural Resources Inventory of Five Proposed Borrow Pits for MWH Global in the NECR Mine Area, McKinley County, New Mexico". Mr. Richmond Leeson Jr., MWH Principal Hydrogeologist, requested the cultural resources inventory. The project involves the evaluation of five areas as potential soil borrow sites for the construction of a proposed evapotranspirative soil cover for a mine material repository at the existing Church Rock Mill Site tailings impoundment. Soil borings, soil sampling, and other field testing will be conducted to collect data in these areas to evaluate the potential use of soil from each of the identified areas. Once the soil properties have been evaluated, design grading plans will be developed to determine the potential volumes of suitable, available soil from the areas that are determined to be suitable. During construction of the proposed repository, suitable soils from the selected borrow areas would be excavated and hauled to the existing tailings impoundment by heavy machinery. The project area is located within McKinley County on privately held lands. The legal description for the project area is

The project area can be found on the 7.5-minute series USGS quadrangle maps. The total area surveyed in conjunction with this project is 73.94 acres (29.92 ha). In all, four (4) archaeological sites and seventeen (17) isolated occurrences were identified during the inventory. Archaeological clearance is recommended for the proposed undertaking provided that the recommendations prescribed in the report are adhered to.

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Introduction

Between October 22nd and 24th, 2013, Jeremy Begay, Clifford Werito, Matthew Martin, and Jeffrey Begay, archaeologists with Dinétahdóó Cultural Resources Management (DCRM), conducted an archaeological inventory of the five proposed borrow pits for MWH Global in McKinley County, western New Mexico. Mr. Toby Leeson, MWH Principal Hydrogeologist, requested the cultural resources inventory. Four newly documented archaeological sites and seventeen isolated occurrences (IOs) were identified and evaluated during the inventory. This cultural resources inventory was completed under New Mexico State Historic Preservation Office permit number NM-13-236-SM.

Description of Undertaking

The five borrow pit areas are being evaluated as potential soil borrow sites for the construction of a proposed evapotranspirative soil cover for a mine material repository at the existing Church Rock Mill Site tailings impoundment. Soil borings, soil sampling, and other field testing will be conducted to collect data in these areas to evaluate the potential use of soil from each of the identified areas. Once the soil properties have been evaluated, design grading plans will be developed to determine the potential volumes of suitable, available soil from the areas that are determined to be suitable. During construction of the proposed repository, suitable soils from the selected borrow area(s) would be excavated and hauled to the existing tailings impoundment by heavy machinery and transportation methods. A total area of approximately 72 acres (29.13 ha) is considered the area of effect.

Location

The project area is located in McKinley County, New Mexico, on privately held lands within the checkerboard area of Pinedale Chapter, a governmental unit of the Navajo Nation (Figure 1). Table 1 provides the UTM coordinates and legal descriptions of the project areas.

Table 1. UTM Coordinates, Legal Descriptions, and USGS Maps for the five proposed borrow pits in McKinley Co., NM.

Designation		ordinates: (NAD 83)	Legal Description (NMPM; Sections Projected)								
	Northing	Easting	1/4	1/4	1/4	Sec	T	R	7.5 min USGS Quad		
	No	orth Drainag	e Borro	w Pit, 9	acres				·		
Centerpoint											
	Son	ith Drainage	Borro	w Pit, 20) acres						
Centerpoint											
		Dilco Hill Bo	rrow P	it, 11 ac	res						
Centerpoint											
		East Borr	ow Pit,	16 acres	S						
Centerpoint											
		West Borr	ow Pit,	16 acre	S	,					
Centerpoint											
OL Denotes Begin	ning of Line	B Denotes Ben	d	EOL Den	otes End	of Line	* Denot	es Projected	1/4 and Section Data		



Environmental and Cultural Setting

The project area is located in the Zuni Uplift geological region, a large sedimentary landmass that was uplifted during the onset of the Laramide Orogeny during the Cretaceous-Tertiary transition. A considerable amount of tectonic activity exposed numerous geologic facies ranging in age from the Neogene to the Precambrian. Erosion of the numerous facies has produced a multitude of geographic features and geologic structures, such as the Hogback, Fenced Up Horse Canyon, Zuni Mountains, Oso Ridge, and the Malpais badlands. Within the uplift, strata representing marine transgressive and nonmarine regressive cycles have been exposed as well as Precambrian basement rock, which have produced redeposited packages of fine- to coarse-grained alluvial, fluvial, colluvial, residual, and aeolian sand, silt, clay, and multi-lithic sand. Outcrops of sedimentary, metamorphic, and igneous bedrock as well as pebble- to boulder-sized clasts derived from these outcrops are scattered throughout the region. Situated in the mixed conifer environ, the Zuni Uplift supports flora such as ponderosa and pinyon pine, juniper, gambel oak, aspen, green ephedra, sagebrush, Indian ricegrass, ring muhly, blazing star, alkali sacaton, amaranth, dropseed, narrow- and broad-leaf yucca, prickly pear and cholla cacti, and Russian thistle.

The Navajo name for Pinedale is To beehwiisgani, which means "Harden (mud) around the water." Pinedale Chapter is in the Lobo Mesa region, an area with numerous archaeological sites that evidence Navajo occupation dating the seventeenth century. Pinedale Chapter has seen infrastructure development which has bettered the lives of the chapter residents. Most of the working-age population travel to the nearby town of Gallup for employment opportunities because wage work in the immediate area is scarce (LSR Innovations 2004).

Existing Data Review

Prior to the fieldwork, a records check was conducted at the Navajo Nation Historic Preservation Department (NNHPD) in Window Rock, Arizona, and the New Mexico Archaeological Research Management Section (ARMS) New Mexico Cultural Resources Inventory System (NMCRIS) online database. The review indicated that numerous projects have been conducted within 300 ft of the project areas. No previously recorded archaeological sites were identified near the project area.

The Sacred Places files located at NNHPD's Traditional Culture Program, which contains records of sacred places throughout the reservation, was researched to determine if any previously identified sacred places are located within 1 mile (1.609 km) of the project area. The records check indicated that no recorded sacred places are located within one mile of the project area.

A check of Van Valkenburgh (1974) indicates that the closest sacred place is Navajo Church Rock (Tse ii ahi / Standing Rock), located approximately 7.82 miles (12.58 km) southwest of the project area.

Field Methods

Between October 22nd and 24th, 2013, Jeremy Begay, Clifford Werito, Matthew Martin, and Jeffrey Begay, archaeologists with Dinétahdóó Cultural Resources Management (DCRM), conducted the cultural resources inventory of the project areas. The archaeologists were shown the five project areas by Mr. Rick Spitz, Project Manager with AMEC. The project areas were inventoried by walking parallel transects within the proposed borrow pit areas with archaeologists spaced no more than 10 m apart. A 50 ft buffer zone was added to each of the five proposed borrow pits. A total of 9.48 acres (3.83 ha) was surveyed for the north drainage borrow pit; 20.02 acres (8.10 ha) for the south drainage borrow pit; 11.48 acres (4.64 ha) for the Dilco Hill area; 16.48 acres (6.66 ha) for the east borrow pit; and 16.48 acres (6.66 ha) for the west borrow pit. Approximately 73.94 acres (29.92 ha) in total was inventoried in conjunction with the project.

The four archaeological sites were recorded after the completion of the survey. The sites were recorded using a metric tape measure, protractor, ruler, and a compass, and sufficient notes were taken to complete Navajo Nation Site Survey and Management Forms and Laboratory of Anthropology site forms in the office. Locations of the cultural resources identified during the inventory were recorded using a hand-held Global Positioning Satellite (GPS) unit. The site forms were filled out in-house once fieldwork was completed.

Isolated occurrences were recorded upon discovery once they had been determined not to be associated with an archaeological site. The locations of all isolated occurrences identified during the inventory were recorded using a hand-held GPS unit.

Cultural Resources Findings

Four (4) archaeological sites and seventeen (17) isolated occurrences were identified during the survey. A brief description of the identified isolated occurrences and their coordinates can be found in Table 2.

Archaeological Sites

Site: LA177466/NM-Q-21-122 (Figure 2)

USGS Map Reference:

Legal Location:

UTM (NAD83):

Land Status: Private

County: McKinley State: New Mexico

Site Type: Anasazi PI-PII Artifact Scatter

Site Size: 32 x 30m

Site Setting: LA177466/NM-Q-21-122 is located on the north slope of an unnamed west-oriented

Chapter: Pinedale

ridge.

Site Description: LA177466/NM-Q-21-122 is an Anasazi PI-PII artifact scatter. No features were identified or recorded during the inventory. There was no concentration of artifacts or identifiable midden; rather, artifacts were scattered throughout the site area. The 100+ sherds include Red Mesa, Gallup, Puerco, and Escavada Black-on-whites, Kana-a grey, Chaco corrugated, Puerco Black-on-red, and numerous unidentifiable white, grey, and red ware sherds.

Two Zuni spotted chert primary flakes were also noted; no other artifacts were found. Many of the artifacts are being redeposited down gradient to the north by natural erosional processes. An in-field, non-intrusive assessment determined that LA177466/NM-Q-21-122 does not contain any subsurface cultural materials.

Site: LA177467/NM-Q-21-123 (Figure 3)

USGS Map Reference:

Legal Location:

UTM (NAD83):

Land Status: Private

State: New Mexico County: McKinley

ey Chapter: Pinedale

Site Type: Anasazi PI-PII Habitation

Site Size: 56 x 42m

Site Setting: LA177467/NM-Q-21-123 is located at the south base of an unnamed mesa.

Site Description: LA177467/NM-Q-21-123 is an Anasazi PI-PII habitation with seven recorded features.

Feature 1 is a collapsed L-shaped unit pueblo measuring 30 x 6m and oriented to the east. It is believed to contain at least eight to ten rooms buried beneath a considerable amount of sandstone detritus. The amount of sandstone materials suggests that the feature was constructed entirely of masonry. No wall alignments were apparent.

Feature 2 is a circular depression in front of feature 1 measuring 6m in diameter and 70cm in depth. DCRM archaeologists believe that feature 2 may contain the buried remnants of a kiva or pithouse.

Feature 3 is a plaza area encompassing feature 2 and just south of feature 1. Feature 3 measures 15 x 12m and appears to have been flattened from use by the prehistoric occupants. In and around feature 3 are scattered artifacts.

Feature 4 is a dense midden measuring 37 x 15m and containing thousands of artifacts. It may contain 100,000+ ceramic sherds, including Kiatuthlanna, White Mound, Red Mesa, Gallup, Escavada, Puerco, and Chaco Black-on-whites, Kana-a grey, Chaco and Coolidge corrugated, Puerco and Wingate Black-on-red, and numerous unidentified white, grey, and red wares too small to type. Lithic artifacts numbered 1,000+ and included flakes representing all stages of reduction; tested, exhausted, and multifacial cores; hammerstones; projectile point fragments; uniface and biface tools; and retouched flakes. Material types consist of petrified wood; Zuni spotted, grey, brown, tan, and black chert; rose, brown, grey, and white quartz; and clear chalcedony. DCRM archaeologists also identified several one-hand and two-hand sandstone mano fragments as well as basin and trough metate fragments and 200+ fire-cracked and -altered sandstone rock fragments. Many of the artifacts are being redeposited down gradient to the south by natural erosional processes.





Features 5, 6, and 7 are hearths located within feature 4. All three features measure 1m in diameter and consist of dark, ash-stained soil encircled by several oxidized sandstone fragments. No upright sandstone slabs were observed.

No other features were identified or recorded. DCRM archaeologists noted that LA177467/NM-Q-21-123 is in a pristine state with no evidence of tampering. Artifacts and materials from the structural features are being redeposited down gradient by natural erosional processes. An infield, non-intrusive assessment determined that LA177467/NM-Q-21-123 may contain subsurface cultural materials up to 4m in depth.

Site: LA177468/NM-Q-21-123 (Figure 4)

USGS Map Reference:

Legal Location:

UTM (NAD83):

Land Status: Private

State: New Mexico County: McKinley Chapter: Pinedale

Site Type: Anasazi PI-PII Habitation

Site Size: 37 x 39m

Site Setting: LA177468/NM-Q-21-123 is located on a spur of an unnamed west oriented ridge.

Site Description: LA177468/NM-Q-21-123 is an Anasazi PI-PII habitation with five recorded features.

Feature 1 is a collapsed unit pueblo measuring 19 x 14m and consisting of scattered sandstone blocks and slabs covering at least ten to twelve rooms. No wall alignments were visible; however, the rubble mound covers a considerable amount of the ridge spur.

Located in the northern portion of feature 1 is feature 2, a kiva depression measuring 6m in diameter. Feature 2 is 1m deep and has been disturbed by illegal potting activities which have left an excavated pit in the middle of the feature. Feature 2 is composed of scattered sandstone blocks and slabs.

Feature 3 is a kiva depression measuring 6m in diameter, also consisting of scattered sandstone blocks and slabs. Feature 3 has not been disturbed by illegal activities.

Feature 4 is a midden in the east site area measuring 16 x 10m which contains 5,000+ ceramic sherds, including Kiatuthlanna, Red Mesa, Gallup, Escavada, and Puerco Black-on-whites, Kana-a grey, Chaco and Coolidge corrugated, Puerco Black-on-red, and numerous unidentified white, grey, and red ware sherds too small to type. Lithic artifacts numbered 500+ and included flakes representing all stages of reduction, tested and exhausted cores, hammerstones, and uniface and biface tools. Materials include petrified wood; Zuni spotted, grey, brown, tan, and black chert; and rose, brown, grey, and white quartz. DCRM archaeologists also identified several one-hand and two-hand sandstone mano fragments and 100+ fire-cracked and -altered sandstone rock fragments. Many of the artifacts being redeposited down gradient to the south by

natural erosional processes. A trench measuring 13 x 2m has been excavated into the eastern side of the feature. The trench is most likely associated with illegal potting activities.

Feature 5 is a concentration of fire-cracked and -altered sandstone blocks and slabs measuring 1m in diameter. It may be the remains of a hearth.

No other features were observed or recorded. A bladed road on the eastern side of a fence line, outside the MWH property boundary, may have obliterated a portion of the site. An in-field, non-intrusive assessment determined that LA177468/NM-Q-21-123 may contain subsurface cultural materials up to 4m in depth.

Site: LA177469/NM-Q-20-61 (Figure 5)

USGS Map Reference:

Legal Location:

UTM (NAD83):

Land Status; Private

State: New Mexico County: McKinley Chapter: Pinedale

Site Type: Anasazi PI-PII Habitation

Site Size: 43 x 31m

Site Setting: LA177469/NM-Q-20-61 is on the north slope of an unnamed east-to-west ridge.

Site Description: LA177469/NM-Q-20-61 is an Anasazi PI-PII habitation with two features.

Feature 1 is a disturbed roomblock measuring 19 x 11m and consisting of scattered sandstone slabs and blocks and two walls exposed in a bulldozer cut. Both walls consist of unshaped sandstone slabs and blocks set in mud mortar, three courses high. The cut extends 1.5m below the surface at its deepest point. Feature 1 contained a minimum of six rooms before the feature was vandalized.

Feature 2 is a midden measuring 9 x 5m that has also been impacted by the bulldozer cut. It contains 200+ sherds, including Red Mesa, Gallup, Escavada, and Puerco Black-on-whites, Chaco and Coolidge corrugated, Puerco Black-on-red, and unidentified white, grey, and red ware sherds too small to type. Lithic artifacts numbered 50+ and included flakes representing all stages of reduction, tested cores, and hammerstones of Zuni spotted, grey, and white chert; petrified wood; and rose, brown, and grey quartz. Four mano fragments were also observed within the midden as well as 100+ fragments of fire-cracked and -altered rock. Feature 2 has been disturbed on the southeast side by the bulldozer cut that impacted feature 1. As a result of the disturbance, a thin lens of ash-stained soil was exposed in the north wall of the cut.

No other features were identified or recorded. DCRM archaeologists were unable to determine when the impact to the site occurred, although it is believed that 50% of the site remains undisturbed. An in-field, non-intrusive assessment determined that LA177469/NM-Q-20-61 does retain subsurface cultural materials possibly up to 4m in depth.





Isolated Occurrences

Seventeen isolated occurrences were identified within the project area. Their locations and descriptions are listed in Table 2.

Table 2. List of identified isolated occurrences within the five proposed borrow pits in McKinley Co, NM

IO#	Artifact Description	l l	ation (Zone 12) NAD 83
		Northing	Easting
1	One gray ware sherd		
2	Two Chaco corrugated sherds		
3	One Chaco corrugated sherd		
4	One Chaco corrugated sherd		
5	Two gray ware sherds		
6	One gray ware sherd		
	One Chaco corrugated sherd		
7	Two gray ware sherds		
8	Two incised gray ware sherds		
9	One gray ware sherd		
10	One Chaco corrugated sherd		
11	One gray ware sherd		
12	One gray ware sherd		
	Seven Chaco corrugated sherds	·	
	Five black on white sherds		
13	One Chaco corrugated sherd	•	
14	One Chaco corrugated sherd		
	One gray ware sherd		
15	One Chaco corrugated sherd		
16	One Chaco corrugated sherd		
17	One gray ware sherd		

Traditional Cultural Properties

During the survey, the project archaeologists interviewed nearby residents concerning any sacred places, burials, or traditional cultural places that might be affected by the proposed undertaking. No TCPs were identified in the area of effect; however, it was clear that the region is culturally important in Navajo ceremony and culture. The interviews were conducted in English.

Evaluation of Significance

All cultural resources identified and recorded are evaluated for significance under certain federal statutes for the preservation and management of these resources. This process is intended to ensure that cultural resources are not inadvertently destroyed by the proposed undertaking, and to ensure that local communities are involved in the decision-making process.

The National Historic Preservation Act

Under the Section 106 process of the National Historic Preservation Act (NHPA; 36 CFR 60.4), cultural resources may be eligible for nomination to the National Register of Historic Places if they are more than 50 years old and "possess integrity of location, design, setting, material,

workmanship, feeling, and association." One or more of the following criteria (a-d) must be applicable:

- a. associated with events that have made a significant contribution to the broad patterns of our history; or
- b. associated with the lives of a person significant in our past; or
- c. embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- d. has yielded, or may be likely to yield, information important in prehistory or history.

As defined in 36 CFR 60.4, cemeteries, birthplaces, or graves of historical figures; properties owned by religious institutions or used for religious purposes; structures that have been moved from their original locations; reconstructed historical buildings; properties primarily commemorative in nature; and properties that have achieved significance within the past 50 years are not ordinarily considered eligible for the National Register. However, such properties may qualify if they are integral parts of districts that do meet the eligibility criteria.

Archaeological Resources Protection Act

The Archaeological Resources Protection Act of 1979 (ARPA; 43 CFR Part 7) has two fundamental purposes:

- to protect irreplaceable archaeological resources on public lands and Indian lands from unauthorized excavation, removal, damage, alteration, or defacement; and
- to increase communication and exchange of information among governmental authorities, the professional archaeological community, and private individuals having collections of archaeological resources and data that were obtained prior to enactment of the Act.

In order for a resource to be considered an archaeological resource and thus merit protection, it must be both more than 100 years old and of archaeological interest.

American Indian Religious Freedom Act

The American Indian Religious Freedom Act (AIRFA [P.L. 95-341]) affirms that American Indians have the right to believe, express, and exercise their traditional religions and have access to sites, use and possession of sacred objects, and freedom of worship through ceremonies and rites. Any site or place (prehistoric or historic) that has religious, ceremonial, or sacred aspects or components needs to be dealt with in light of this law. Anasazi sites related to Navajo cultural traditions qualify for protection, as do all Navajo ceremonial sites, unmarked traditional places, and residential structures whose owners/users want them protected for religious and cultural reasons.

Native American Graves Protection and Repatriation Act

The Native American Graves Protection and Repatriation Act (NAGPRA [P.L. 101-601]) provides protection of Native American graves; establishes procedures and legal standards for the repatriation of human remains, funeral objects, sacred objects, and objects of cultural

patrimony, including those from archaeological contexts; and provides the United States district courts jurisdiction over any action brought by any person alleging a violation of the Act. The Act also recognizes certain tribal, Native Hawaiian, and individual rights in regard to burial sites located on federal and Indian lands, and it sets forth procedures for the intentional excavation and inadvertent discoveries of these items.

Table 3: NHPA, ARPA, AIRFA, and NAGPRA Evaluation of Identified Cultural Resources documented

within the five proposed borrow pits in McKinley Co, NM.

Cultural	Description		Evaluation
Resource No.			
LA177466/NM-	Anasazi (PI-PII)	NRHP	Eligible
Q-21-122 (Inside	Artifact Scatter		1. 50-year guideline met
North Drainage		İ	2. Retains integrity of location, setting, and
Borrow Area)			materials
			3. Does meet criterion d
		ARPA	Is Eligible? Yes
			1. 100-year guideline met? Yes
			2. Is of archaeological interest? Yes
		AIRFA	Does not merit consideration
		NAGPRA	Does not merit consideration
LA177467/NM-	Anasazi (PI-PII)	NRHP	Eligible
Q-21-123 (Inside	Habitation		1. 50-year guideline met
South Drainage			2. Retains integrity of location, setting,
Borrow Area)			workmanship, and materials
			3. Does meet criterion d
:		ARPA	Is Eligible? Yes
			1. 100-year guideline met? Yes
			2. Is of archaeological interest? Yes
		AIRFA	Does not merit consideration
		NAGPRA	May merit consideration
LA177468/NM-	Anasazi (PI-PII)	NRHP	Eligible
Q-21-124 (Inside	Habitation		1. 50-year guideline met
East Borrow			2. Retains integrity of location, setting,
Area)			workmanship, and materials.
,			3. Does meet criterion d
		ARPA	Is Eligible? Yes
' 			1. 100-year guideline met? Yes
l			2. Is of archaeological interest? Yes
l		AIRFA	Does not merit consideration
N		NAGPRA	May merit consideration
LA177469/NM-	Anasazi (PI-PII)	NRHP	Eligible
Q-20-61 (Inside	Habitation		1. 50-year guideline met
West Borrow	•		2. Retains integrity of location, setting,
Area)			workmanship, and materials.
			3. Does meet criterion d
	•	ARPA	Is Eligible? Yes
			1. 100-year guideline met? Yes
			2. Is of archaeological interest? Yes
		AIRFA	Does not merit consideration

Cultural Resource No.	Description	Evaluation						
		NAGPRA	May merit consideration					
Isolated	IO#1-17 (see table	NRHP	Not Eligible					
Occurrences	2 for descriptions)		1. 50-year guideline met2. Lacks integrity					
			3. Does not meet criterion a-d					
		ARPA	Is Eligible? No					
			1. 100-year guideline met? Yes					
	,		2. Is of archaeological interest? No					
•		AIRFA	Do not merit consideration					
		NAGPRA	Do not merit consideration					

Recommendations

Archaeological clearance for the proposed undertaking is recommended provided that the following stipulations are met: (1) all proposed construction activities shall be confined to the five proposed borrow areas, (2) any new discoveries shall be immediately reported to the New Mexico State Historic Preservation Office, and

At archaeological sites LA177467/NM-Q-21-123 and LA177468/NM-Q-21-124 (3) reflag site boundaries prior to construction, (4) avoidance.

At archaeological sites LA177466/NM-Q-21-122 and LA177469/NM-Q-20-61 (5) reflag site boundaries prior to construction, (6) monitor all ground disturbing activities within 50 ft of the sites.

References Cited

LSR Innovations Research & Planning

2004 Chapter Images: 2004 Edition. Navajo Nation Division of Community Development, Window Rock, Arizona.

Van Valkenburgh, Richard F.

1974 Navajo Sacred Places. In *Navajo Indians III*, edited by C. Kluckhohn, pp. 9-99. Garland Publishing, New York.

LABORATORY OF ANTHROPOLOGY SITE RECORD

1. IDENTIFICATION & OWNERSHIP Site Update? (complete at least Sections 1-4) LA Number: 177466 (contact ARMS for site registration) Site Name(s): MWH1 Agency Assigning Number: Other Site Number(s): Navajo Nation NM-Q-21-122 Current Site Owner(s): Private Occupation Type: Prehistoric Site-Type: Non-Structural 2. RECORDING INFORMATION NMCRIS Activity No.: 128978 Field Site Number: MWH1 Site Marker? (specify ID#): LA177466 Recorder(s): J. Begay Agency: Dinetahdoo CRM Recording Date (dd-MMM-yyyy): 24-Oct-2013 ☐ flooded urbanized not accessible □ accessible ☐ buried (sterile overburden) Site Accessibility (choose one): ☑ 51-75% 76-99% ☐ 100% 1-25% **26-50%** Surface Visibility (% visible; choose one): □ 0% Remarks: Recording Activities: photography Sketch mapping shovel or trowel tests; probes instrument mapping (e.g., total station mapping) test excavation surface collection (controlled or uncontrolled) in-field artifact analysis excavation (data recovery) other activities (specify): Description of Analysis or Excavation Activities: Ceramic identification, lithic artifact and materials analyzed in field; no excavation. Photographic Documentation: color digital images -- 2 site overviews no surface collection Surface Collections (choose one): collections of specific items only uncontrolled surface collection controlled (complete: 100%) controlled (sample: <100%) other method (describe): excavation, collection, analysis records field journals, notes Records inventory: Site location map ☐ NM Historic Building Inventory form photos, slides, and associated records Sketch map(s) ☐ instrument map(s) other records: ____ Repository for Original Records: Dinetahdoo CRM Repository for Collected Artifacts: 3. CONDITION Archaeological Status:

surface collection test excavation partial excavation complete excavation Disturbance Sources: ☐ wind erosion ☒ water erosion ☒ bioturbation ☐ vandalism ☐ construction/land development other source (specify): damaged/defaced building surface disturbance manual excavation Vandalism: defaced glyphs mechanical excavation other vandalism (specify): □ 26-50% **51-75%** ☑ 76-99% □ 100% □ 0% 1-25% Percentage of Site Intact (choose one): Observations on Site Condition: Site is largely intact with in situ artifact assemblage being redeposited down gradient by natural processes.

4. RECOMMENDATIONS (for Performer/Recorder use only)
National Register Eligibility (choose one): ⊠ eligible ☐ not eligible ☐ not sure Applicable Criteria: ☐ (a) ☐ (c) ☐ (b) ☑ (d)
Basis for Recommendation: Site can provide data regarding the prehistoric Anasazi PI-PII occupation, subsistence strategies, and resource exploitation of the greater Pinedale region.
Assessment of Project Impact: Site will be extensively marked to avoid disturbance, no impact.
Treatment Recommendations: Avoidance
5. SHPO CONSULTATIONS (for SHPO and Sponsor use only)
Sponsor NR Determination: eligible not eligible not determined Applicable Criteria: (a) (b) (c) (d) Sponsor Staff: Date (dd-MMM-yyyy): day month year
Sponsor Remarks:
SHPO NR Concurrence:
Register Status: Illsted on National Register Illisted on State Register formal determination of eligibility
State Register No.:
SHPO Remarks:
6. LOCATION
Source Graphics:
☑ USGS 7.5' (1:24,000) topo maps ☐ rectified aerial photos [Scale:]
other topo maps [Scale:] unrectified aerial photos [Scale:]
☐ GPS unit GPS accuracy (choose one): ☐ < 1.0 m ☐ 1-10 m ☐ 10-100 m ☐ >100 m
other source (describe):
UTM Coordinates (@ center of site; at least one set of coordinates required):
Map-based Coordinates Datum: NAD83 Zone:
GPS-based Coordinates Datum: NAD83 Zone:
Directions to Site: In highway R-O-W? □
Town (if in city limits): State: NM County: McKinley
USGS Quadrangle Name Date USGS Code

PLSS											
Meridian	Unplatted	Township	Range	Section	1/4 Sections	Protracted?					
New Mexico											
New Mexico		Υ	R	_							
New Mexico		T	R	_							
New Mexico		Т	R								
7. PHYSICAL DESCRIPTION											
Site Dimensions: 32 x 30 meters Basis for Dimensions (choose one):											
		r Area (choose one):			Elevation: 7004 feet						
_	•	choose one): 🛛 Yes									
Basis for Site	Boundaries: [☑ distribution of archeo	logical features &	artifacts 🔲 m	odern features or ground d	listurbance					
☐ pro	perty lines 🔲	topographic features	other (specify)	:							
Depositional/E	rosional Enviro	onment: 🛛 alluvial 🛭] aeolian 🛛 co	lluvial 🔲 resid	ual 🔲 no deposition (on	bedrock)					
	er process (desc										
	•	eological Deposits (ch	oose one):	unknown/not det	ermined						
	•	osits present 🔲 sub			tratified subsurface deposit	ts present					
	th of Deposits:	•	-			•					
-			shovel/trowel test	s 🗌 core/auge	r tests						
□ roa	d or arroyo cuts	rodent burrows	other observat	ions (describe):							
		Archeological Deposit									
		n decreasing order of d									
•	, ,	ine, juniper	•								
. ,			ama grass, ra	bbitbrush, p	rickly pear cacti.						
					scrubland desert scr	ubland 🔲 marshland					
-	er community (s	•									
Topographic L		bench	dune [☐ low rise	☐ ridge					
	vial fan	☐ blowout	☐ flood (olain/valley	☐ mesa/butte	rockshelter					
	yo/wash	☐ canyon rim	-	l/mountain front	mountain	saddle					
☐ bad	-	☐ cave	⊠ hill slo	pe	open canyon floor	☐ talus slope					
☐ bas	e of cliff	☐ cliff/scarp/bluff	☐ hill top	•	☐ plain/flat	☐ terrace					
☐ bas	e of talus slope	constricted cany		ow (malpais)	☐ playa						
	er location (desc	*		• • •							
~ 1											

8. ASSEMBLAGE DATA

Assemblage Content (all components):	Prehisto	oric Cerami	cs		Other Artifacts and Materials:					
Lithics:		☐ whole	ceramic	vessels	ė	□ bone tools				
		⊠ diagno	stic cera	mics	☐ faunal remains					
chipped-stone tools		other p	rehistori	c ceramics		macrobotanical remains				
diagnostic projectile points	Historic	Artifacts:] perisi	nable artifacts		
non-local lithic material		☐ diagno	stic glas	s artifacts] ornar	nents		
stone-tool manufacturing items		other g	ılass artif	facts] figurir	nes		
(cores, hammerstones, etc.)		☐ diagno	stic meta	al artifacts] miner	al specimens		
ground-stone tools		other r	netal arti	facts			archit	ectural stone		
other stone tools		☐ whole	ceramic '	vessel] burne	ed adobe		
	•	☐ diagno	stic cera	mics] fire-cı	racked rock/burned	caliche	
		other h	istoric ce	eramics						
Other items (specify):										
Assemblage Size (all components):			- estimat	led frequen	ıcy ——					
artifact class	0	1s	10s	100s	1000s	>10,000		*Counts (if <100)		
lithic artifacts (choose one): (include debitage)		×						2		
prehistoric ceramics (choose one):									•	
historic artifacts (choose one):	\boxtimes							<u> </u>		
total assemblage size (choose one):				\boxtimes						
		frochronolo		☐ arche	-		☐ obsi	idian hydration		
☑ relative techniques (e.g. seriation, di	_			her method					_	
Assemblage Remarks: Artifacts consist Escavada black on whites, Kan										
unidentifiable white, grey, a										
primary flakes.										
9. CULTURAL/TEMPORAL AFFIL	ATIO	NS								
TOTAL NUMBER OF COMPONENTS DEFINED COMPONENT #1 (EARLIEST)): <u>1</u>									
Cultural Affiliation: Anasazi Prehistorio										
Basis for Temporal Affiliations (choose one):		not applica	ble	based o	on associ	ated chrone	ometric	data or historic rec	ords	
🛚 associated diagnostic artifact or feature types			•	*		-		cheological experien	ice	
*Period of Occupation: (*see NMCRIS Guide	ines for	valid perio	ds, defa	ult occupat	ion dates	, and phase	e/comp	lex names)		
Period	Name					Begin D	ate	End Date		
Earliest Period: Pueblo Latest Period (if any): Pueblo						700 _ 2	<u>AD</u> .	1100 AD		
								/dration		
☑ relative techniques (e.g. seriation, dia		_						•		
Basis for Cultural/Temporal Affiliation: Surfi	-		scatte	r with d	liagnosi	tic artif	acts			
Component Type: Artifact scatte	<u>r</u> .									
Remarks: Artifact scatter with	no fe	atures,	functi	on unkno	wn.					

LA <u>177,466</u>							
*Associated Phase/Complex	Name(s):	<u> </u>					
COMPONENT #2						· · · · · · · · · · · · · · · · · · ·	
Cultural Affiliation:							
Basis for Temporal Affiliation associated diagnostic artifact *Period of Occupation: (*se	t or feature type	es 🔲 b	pased on analy	☐ based on associa tically derived assen ult occupation dates,	nblage data or arcl	neological experien	
	Perio	d Name	,	.•	Begin Date	End Date	
Earliest Period: Latest Period (if any	·):	_					
Dating Status: ☐ radioc	iation, diagnosti	•		chaeomagnetism ds (specify):	obsidian hyd	dration	
Basis for Cultural/Temporal A Component Type:					<u> </u>	•	
Remarks:* *Associated Phase/Complex	Name(s):	·					
10. FEATURE DATA							
(see NMCRIS User's guide for	a list of valid fea	iture types)					
·	Reliable	#	Assoc.				
Feature Type	ID?	Observed	Comp. #s	Feature ID, Notes	ı		
			. ,		<u></u>		
	- -						
-							

Feature Remarks: _____

11. REFERENCES

Written	Source	ces of In	form	ation	: DCRN	4 201	3-55:	A Cu.	ltura.	l Resour	ces	Inventory	of	Five	Proposed	Borrow	Pits	for
	MWH	Global	in	the	NECR	Mine	Area,	McK:	inley	County,	New	Mexico.	Dine	tahdo	o Cultura	l Resou	irces	
	Mana	gement	, Hu	erfa	no, N	М.												

Additional Sources of Information:

12. NARRATIVE DESCRIPTION

LA177466/NM-Q-21-122 is an Anasazi PI-PII artifact scatter. No features were identified or recorded during the inventory.

DCRM archaeologists did not identify a concentration of artifacts or an identifiable midden, rather, artifacts were observed to be scattered throughout the site area. Artifacts consist of 100+ ceramics sherds including Red Mesa, Gallup, Puerco, and Escavada black on whites, Kana-a grey, Chaco corrugated, Puerco black on red, and numerous other unidentifiable white, grey, and red ware sherds. Lithic artifacts included two Zuni spotted chert primary flakes. No other artifacts were observed or recorded. DCRM archaeologists noted that many of the artifacts are being redeposited down gradient to the north by natural erosional processes. An in-field, non-intrusive assessment determined that LA177466/NM-Q-21-122 does not contain any subsurface cultural materials.

13. SITE RECORD ATTACHMENTS

			· · · · · · · · · · · · · · · · · · ·
⊠ site location map (USGS 7.5' topo; required)	🛮 sketch map or site plan (required)	☐ continuation forms?	
other materials (itemize):			



LABORATORY OF ANTHROPOLOGY SITE RECORD

1. IDENTIFICATION & OWNERSHIP
LA Number: 177467 (contact ARMS for site registration) Site Update? (complete at least Sections 1-4) Site Name(s): MWH2 Other Site Number(s): Agency Assigning Number: NM-Q-21-123 Navajo Nation
Current Site Owner(s): Private Site Type: Structural Occupation Type: Prehistoric
2. RECORDING INFORMATION
NMCRIS Activity No.: 128978 Field Site Number: MWH2 Site Marker? (specify ID#): LA177467 Recorder(s): J. Begay Agency: Dinetahdoo CRM Recording Date (dd-MMM-yyyy): 24-Oct-2013 Site Accessibility (choose one): accessible buried (sterile overburden) flooded urbanized not accessible Surface Visibility (% visible; choose one): 0% 1-25% 26-50% 51-75% 76-99% 100% Remarks:
Recording Activities: Sketch mapping instrument mapping (e.g., total station mapping) surface collection (controlled or uncontrolled) in-field artifact analysis other activities (specify):
Description of Analysis or Excavation Activities: Feature measurement and identification, ceramic identification, lithic artifact and materials analyzed in field; no excavation.
Photographic Documentation: color digital images 2 site overviews Surface Collections (choose one):
Records Inventory:
Repository for Original Records: Dinetahdoo CRM Repository for Collected Artifacts:
3. CONDITION
Archaeological Status: surface collection test excavation partial excavation complete excavation Disturbance Sources: wind erosion water erosion bioturbation vandalism construction/land development other source (specify): Vandalism: defaced glyphs damaged/defaced building surface disturbance manual excavation mechanical excavation other vandalism (specify): Percentage of Site Intact (choose one): 0% 1-25% 26-50% 51-75% 76-99% 100% Observations on Site Condition: Site is intact with in situ artifact assemblage being redeposited down gradient by natural processes.

4. RECOMMEN	DATIONS (for Perform	mer/Recorder use	only)		
National Register Eligib Applicable Criteria:	☐ (a) ☐ (b)	⊠ eligible □ (c) ⊠ (d)	☐ not eligible		
Basis for Recommenda settlement patterns Pinedale region.	dion: <u>Site can provid</u> s, subsistence strat	e data regarding egies, religiosit	the prehistori y, and resource	ce exploitation of t	cupation, he greater
	Impact: Site will be	extensively marke	d to avoid dis	turbance, no impact	<u>.</u>
Treatment Recommend					•
5. SHPO CONS	ULTATIONS (for SHP	O and Sponsor u	se only)	·	
Sponsor Staff:	tion: ☐ eligible ☐ not el Date (dd-MN	IM-уууу):	monun	year	□ (c) □ (d)
Register Status: 🔲 liste State Register l	Date (dd-MM ed on National Register ☐	IM-yyyy): الصطلح المالة Im-yyyy): المالة	nonint L	nination of eligibility	
6. LOCATION					
☐ other topo ma	:24,000) topo maps aps [Scale:] GPS accuracy ((describe):	unrectified aerial			
Map-based Coordinates GPS-based Coordinates Directi <u>ons to Sit</u> e:		t of coordinates require	d):		
_	State: NM County:	McKinley			
USGS Quadrangle Name		··············	Date	USGS Code	

PLSS Meridian	Unplatted	Township	Range	Section	1/4 Sections	Protracted?	
New Mexico							
New Mexico		т	R	_			
New Mexico		т	R			🗆	
		т	R	_	`\	_ · 🛮	
New Mexico	Ļ	'	.,	_		<u> </u>	
7. PHYS	ICAL DESC	RIPTION	1				
Site Dimension	ns:56 x 42 m	meters Basis for D	imensions (choo	se one): 🗌 es	itimated 🔯 measured		
Site Area: 2,3	52 sq m Basis	for Area (choose one): 🗌 estimated	🛚 measured	Elevation: 7049 feet		
Site Boundarle	s Complete? (choose one): 🛛 Yes	☐ No (explain):				
					odern features or ground di	sturbance	
. pro	perty lines 🔲	topographic features	other (specify)	:			
Depositional/E	rosional Envir	onment: 🛛 alluvial 📗	🗌 aeolian 🛛 co	lluvial 🔲 residu	ual 🔲 no deposițion (on l	pedrock)	
	er process (des						
Stratigraphy &	Depth of Arch	eological Deposits (c	hoose one): 🔲	unknown/not det	ermined		
☐ no :	subsurface dep	osits present 🛮 🖾 sul	bsurface deposits	present 🔲 st	ratified subsurface deposits	s present	
Estimated Dep	Estimated Depth of Deposits: 4m						
Basis for Depti	Basis for Depth Determinations: 🗵 estimated 🔲 shovel/trowel tests 🔲 core/auger tests 🔲 excavations						
☐ roa	d or arroyo cuts	rodent burrows	other observat	ions (describe): _			
Observations of	on Subsurface	Archeological Depos	its:	,			
Local Vegetation (list species in decreasing order of dominance):							
Overst	ory: Pinyon p	oine, juniper					
					rickly pear cacti.		
Vegetation Cor	mmunity (choo	se one or two): 🔲 fore:	st 🖾 woodland	🛚 grassland 🗀	scrubland 🔲 desert scru	ıbland 🔲 marshland	
☐ othe	er community (s	specify):					
Topographic L	ocation:	☐ bench	🔲 dune		low rise	☐ ridge	
☐ allu	vial fan	☐ biowout	☐ flood	plain/valley	⊠ mesa/butte	rockshelter r	
arro	yo/wash	anyon rim	☐ foothi	Il/mountain front	mountain mountain	saddle saddle	
☐ bad	llands	☐ cave	☐ hill sk	рре	open canyon floor	talus slope	
🛚 bas	e of cliff	cliff/scarp/bluff	☐ hill to	o	☐ plain/flat	☐ terrace	
☐ bas	e of talus slope	☐ constricted car	iyon 🔲 lava f	ow (malpais)	☐ playa		
☐ othe	er location (des	cribe):					
Observations of	on Site Setting:	site is located	at the south I	oase of an un	named mesa.		

8. ASSEMBLAGE DATA

Assemblage Content (all components):		Prehistoric Ceramics				Other Artifa	acts and Materials:		
Lithics:		whole ceramic vessels				☐ bone tools			
☑ lithic debitage			⊠ diagno	stic cera	mics	•	☐ faunal remains		
			⊠ other p	orehistori	c ceramic	s	macrobotanical remains		
	diagnostic projectile points	Historic	Artifacts:				perishable artifacts		
	non-local lithic material		diagno	stic glas	artifacts		ornaments		
	☑ stone-tool manufacturing items		other g	glass artif	acts		☐ figurines		
	(cores, hammerstones, etc.)		☐ diagno	stic meta	l artifacts	;	mineral specimens		
	⊠ ground-stone tools		other r	netal arti	acts		⊠ architectural stone		
	other stone tools		☐ whole	ceramic	/essel		☐ burned adobe		
			☐ diagno	stic cera	nics		☐ fire-cracked rock/burned call		
			other h						
	Other items (specify):		_						
								•	
Asseml	olage Size (all components):	-		- estimat	ed freque	ency			
art	fact class	0	1s	10s	100s	1000s	>10,000	*Counts (if <100)	
	lithic artifacts (choose one)	: 🗆				\boxtimes			
	prehistoric ceramics (choose one)	: 🗆			- 🗆		\boxtimes		
	historic artifacts (choose one)	: 🛛		. 🔲			. 🗖	<u>o</u>	
	total assemblage size (choose one).	: 🗆					\boxtimes		
	Potential: ☐ radiocarbon ☐ relative techniques (e.g. seriation, o	diagnosti		☐ otl	ner metho	eomagnet ods (speci	fy):	obsidian hydration	
Assemb	plage Remarks: 100,000+ ceramic Gallup, Escavada, Puerco, an Puerco and Wingate black on small to type. Lithic artifa- tested, exhausted, and multi- biface tools, and retouched chert, rose, brown, grey, and identified several one-hand	d Chaco red, ar cts num facial flakes d white	black of numerous bered 1, cores, he of petrice quartz,	on whit ous uni 000+ a nammer ified w	es, Kan dentifi nd incl stones, cod, Zu lear ch	a-a gre ed whit uded fl projec ni spot alcedon	y, Chaco e, grey, akes of a tile poin ted, grey y. DCRM a	and Coolidge corrugated, and red ware sherds too 11 stages of reduction, t fragments, uniface and , brown, tan, and black rchaeologists also	
	metate fragments and 200+ fi								
9.	CULTURAL/TEMPORAL AFFIL	LIATIO	NS						
	NUMBER OF COMPONENTS DEFINE NENT #1 (EARLIEST)	D: <u>1</u>							
Cultural	Affiliation: Anasazi Prehistorio								

NMCRIS 2000 vers, 1/00

Basis for Temporal Affiliatio ⊠ associated diagnostic artifa *Period of Occupation: (*se	ct or feature typ	es 🛛 l	based on analy	☐ based on associa tically derived assen ult occupation dates,	nblage data or arc	heological experienc
	Perio	od Name			Begin Date	End Date
Earliest Period:	Puel	olo I			700 AD	1100 AD
Latest Period (if an	y): <u>Puel</u>	olo II			700 AD	TIOU AD
Dating Status: ☐ radioc		dendrochronologiagnostics, et	_	chaeomagnetism ner methods (specify	☐ obsidian hy):	dration
Basis for Cultural/Temporal				orally diagnost	ic features a	nd artifacts.
Component Type: <u>м</u>	ultiple resi	.dence	_			
Remarks: <u>Habitati</u>	on site wit	h residentia	al structur	e and associate	d features.	
*Associated Phase/Complex	Name(s):	_				
COMPONENT #2						
Cultural Affiliation:						
Basis for Temporal Affiliation associated diagnostic artifa *Period of Occupation: (*se	ct or feature typ ee NMCRIS Gui	es 🔲 to delines for valid	pased on analy	☐ based on associa tically derived assen ult occupation dates,	nblage data or arc and phase/compl	heological experienc ex names)
	Perio	od Name			Begin Date	End Date
Earliest Period:						
Latest Period (if an	y):					
Dating Status: ☐ radio		dendrochronolo	ogy 🗌 ar	chaeomagnetism	obsidian hy	dration
relative techniques (e.g. ser			other metho	ds (specify):		
Basis for Cultural/Temporal						
Component Type:					 '	
Remarks:						
*Associated Phase/Complex	Name(s):	_				
10. FEATURE DATA						
(see NMCRIS User's guide for	a list of valid fea	ature types)		•		
	Reliable	#	Assoc.			
Feature Type	ID?	Observed	Comp. #s	Feature ID, Notes	3	
Roomblock	Yes	1	1	Collapsed L-sh measuring 30 to ten rooms;		
Depression	Yes	1	2	Depression mea and 70cm in de buried remnant	pth containin	g the
Plaza	Yes	1	3	Plaza measuring scattering of	-	
Midden	Yes	1	4	Midden measuri over 100,000 a soils.		
Hearth	Yes	3	5,6,7	Three hearths with a concent soil and association fragments.	ration of ash	-stained
-						

LA <u>177,467</u>				·			
						<u>,</u>	
· ·							
Feature Remarks:		-		•			
11. REFERENCES				,			
Written Sources of Informatio MWH Global in the Management, Huerf Additional Sources of Information 12. NARRATIVE DES	NECR Mine A	-55: A Cult Area, McKin	tural Resou ley County,	ces Inventory New Mexico. D	of Five Prop Inetahdoo Cu	posed Borrow Itural Resour	Pits for
LA177467 is an Anasazi I	**	ation with	seven reco	ded features.	; -		
Feature 1 is a collapsed believed to contain at 1 detritus. The amount of masonry. No wall alignment Feature 2 is a circular DCRM archaeologists beli	least eight sandstone me ents were appoint depression :	to ten room aterials su parent. in front of	ns buried be iggests that f feature 1	eneath a consident the feature we will be seen that the measuring 6m in the measuring 6m in the seen that the seen	erable amour as construct n diameter a	nt of sandstonted entirely of and 70cm in de	ne of epth.
Feature 3 is a plaza are 12m and appears to have are scattered artifacts.	been flatte						
Feature 4 is a dense mid 100,000+ ceramic sherds, Chaco Black-on-whites, R numerous unidentified wh and included flakes repr hammerstones; projectile types consist of petrifi and white quartz; and cl hand sandstone mano frag altered sandstone rock f south by natural erosion	including I Kana-a grey, Lite, grey, a Lesenting al. Le point frago Led wood; Zur Lear chalced Lear chalced Lear ments as well Lear ments Market	Kiatuthlann Chaco and and red war 1 stages of ments; unif ni spotted, ony. DCRM a 11 as basin any of the	na, White Mo Coolidge co es too smal reduction, ace and bif grey, brow rchaeologis and trough	rund, Red Mesa, rrugated, Puero 1 to type. Litil tested, exhau- ace tools; and m, tan, and bla ts also identification	Gallup, Esc co and Winga hic artifact sted, and mu retouched f ack chert; r fied several hts and 200+	avada, Puerco ate Black-on- is numbered 1 altifacial con flakes. Materi cose, brown, cone-hand and fire-cracked	o, and red, and ,000+ res; ial grey, d two- d and -
Features 5, 6, and 7 are and consist of dark, ash sandstone slabs were obs	-stained soi	cated withi il encircle	n feature 4 d by severa	. All three fea l oxidized sand	atures measu Istone fragm	re 1m in diam ments. No upri	neter ight
No other features were i state with no evidence o redeposited down gradien determined that LA177467	f tampering. t by natural	. Artifacts L erosional	and materi processes.	als from the st An in-field, r	tructural fe non-intrusiv	atures are be e assessment	eing
13. SITE RECORD AT	TACHMENT	rs					
☑ site location map (USGS 7.5' ☐ other materials (itemize):	topo; required)	⊠ sketch ma	p or site plan (equired) 🗌 continu	uation forms?		



LABORATORY OF ANTHROPOLOGY SITE RECORD

1. IDENTIFICATION & OWNERSHIP	
LA Number: 177468 (contact ARMS for site registration) Site Update? (complete at least Sections 1-4)	
Site Name(s): MWH3	
Other Site Number(s): Agency Assigning Number:	
NM-Q-21-124 Navajo Nation	
<u> </u>	
Current Site Owner(s): Private	
Site Type: Structural Occupation Type: Prehistoric	
2. RECORDING INFORMATION	_
NMCRIS Activity No.: 128978 Field Site Number: MWH3	
Site Marker? (specify ID#): LA177468	
Recorder(s): J. Begay	
Agency: Dinetahdoo CRM Recording Date (dd-MMM-yyyy): 24-Oct-2013	
Site Accessibility (choose one): 🖾 accessible 🔲 buried (sterile overburden) 🔲 flooded 🔲 urbanized 🔲 not accessible	į
die Addedinity (dieded die).	
Remarks:	
Recording Activities: Sketch mapping Sphotography	
instrument mapping (e.g., total station mapping) shovel or trowel tests; probes	
surface collection (controlled or uncontrolled) test excavation	
☐ excavation (data recovery)	
other activities (specify):	
Description of Analysis or Excavation Activities: Feature measurement and identification, ceramic identification lithic artifact and materials analyzed in field; no excavation.	<u> </u>
Photographic Documentation: color digital images 2 site overviews	
Surface Collections (choose one):	
uncontrolled surface collection collections of specific items only	
controlled (sample: <100%)	
other method (describe):	
Records Inventory: Site location map excavation, collection, analysis records field journals, notes	
	n
☐ instrument map(s) ☐ other records:	•
Repository for Original Records: Dinetahdoo CRM	
Repository for Collected Artifacts:	
3. CONDITION	
Archaeological Status: 🔲 surface collection 🔲 test excavation 🔲 partial excavation 🔲 complete excavation	
Disturbance Sources: ☐ wind erosion ☒ water erosion ☒ bioturbation ☒ vandalism ☐ construction/land development	
other source (specify):	
Vandalism: ☐ defaced glyphs ☐ damaged/defaced building ☒ surface disturbance ☒ manual excavation	
☐ mechanical excavation ☐ other vandalism (specify):	
Percentage of Site Intact (choose one): ☐ 0% ☐ 1-25% ☐ 26-50% ☐ 51-75% ☐ 76-99% ☐ 100%	
Observations on Site Condition: Site is largely intact with two areas (feature 2 and 4) impacted by	
mechanical and manual potting activities.	

4. RECOMMENDATIONS (for Performer/Recorder use only)
National Register Eligibility (choose one): ⊠ eligible □ not eligible □ not sure Applicable Criteria: □ (a) □ (c) □ (b) ☑ (d)
Basis for Recommendation: Site can provide data regarding the prehistoric Anasazi PI-PII occupation, settlement patterns, subsistence strategies, religiosity, and resource exploitation of the greater Pinedale region.
Assessment of Project Impact: Site will be extensively marked to avoid disturbance, no impact.
Treatment Recommendations: Avoidance
5. SHPO CONSULTATIONS (for SHPO and Sponsor use only)
Sponsor NR Determination: eligible not eligible not determined Applicable Criteria: (a) (b) (c) (d) Sponsor Staff: Date (dd-MMM-yyyy): year year Sponsor Remarks:
SHPO NR Concurrence: eligible not eligible not determined Applicable Criteria: (a) (b) (c) (d) HPD Staff: Date (dd-MMM-yyyy): HPD Log No: HPD Log No: HPD Log No: State Status: Issted on National Register Issted on State Register formal determination of eligibility State Register No.: SHPO Remarks: SHPO Remarks:
6. LOCATION
Source Graphics: USGS 7.5' (1:24,000) topo maps
UTM Coordinates (@ center of site; at least one set of coordinates required): Map-based Coordinates Datum: NAD83 Zone: CPS-based Coordinates Datum: NAD83 Zone:
Directions to Site: In highway R-O-W?
Town (If in city limits): State: MM County: McKinley USGS Quadrangle Name Date USGS Code
2000 4000 1000 1000 1000 1000 1000 1000

PLSS Meridian	Unplatted	Township	Range	Section	1/4 Sections	Protracted?
New Mexico	. 🗆					
New Mexico		T R_				
New Mexico		T R		_		🗆
New Mexico		T R				
7. PHYS	ICAL DESCR	IPTION	·			
Site Dimension	ns: <u>37</u> x <u>39</u> me	eters Basis for Dimer	nsions (choose of	ne): 🗌 est	imated 🗵 measured	
Site Area: 1,4	43 sqm Basis f	for Area (choose one):] estimated 🛛 r	neasured	Elevation: 7049 feet	
		noose one): 🛛 Yes 🔲			•	
Basis for Site	Boundaries: 🗵	distribution of archeologic	cal features & artif	acts 🔲 mo	dern features or ground dis	sturbance
		opographic features 🛚 🔲 o				
Depositional/E	rosional Enviro	nment: 🔲 alluvial 🗀 ae	eolian 🖾 colluvia	al 🔲 residu	al 🔲 no deposition (on b	edrock)
_	er process (descr	-				,
Stratigraphy &	Depth of Arche	ological Deposits (choose	e one): 🔲 unkr	iown/not dete	rmined	
☐ no	subsurface depos	sits present 🛮 🖾 subsurfa	ace deposits pres	ent 🗵 str	atified subsurface deposits	present
	th of Deposits:					
		s: 🛛 estimated 🔲 shov				
🗌 roa	d or arroyo cuts	☐ rodent burrows ☐ o	ther observations	(describe): <u>I</u>	llegal excavation pi	ts
Observations	on Subsurface A	rcheological Deposits:				
Local Vegetation	on (list species in	decreasing order of domin	nance):			
Overst	ory: Pinyon pi	ne, juniper				
Unders	story: sagebrus	h, snakeweed, grama	grass, rabbi	cbrush, pr	ickly pear cacti.	
Vegetation Cor	mmunity (choose	e one or two): 🗌 forest 🗵] woodland ⊠ g	rassland 🔲	scrubland 🔲 desert scru	bland 🔲 marshland
other community (specify):						
Topographic L	ocation:	bench	dune dune		low rise	⊠ ridge
☐ allu	vial fan	☐ blowout .	☐ flood plain	/valiey	☐ mesa/butte	rockshelter r
☐ arro	yo/wash	canyon rim	☐ foothill/mo	untain front	mountain	saddle saddle
☐ bad	llands	cave	☐ hill slope		open canyon floor	☐ talus slope
☐ bas	e of cliff	☐ cliff/scarp/bluff	hill top		plain/flat	☐ terrace
☐ bas	e of talus slope	constricted canyon	lava flow (malpais)	☐ playa	
☐ oth	er location (descri	ibe):				
Observations on Site Setting: site is located on a spur of an unnamed west-oriented ridge.						

8. ASSEMBLAGE DATA

Assemblage Content (all components):	Prehisto	oric Cerami	ics			Other Artifa	cts and Materials:	
Lithics:		☐ whole	ceramic (/essels			bone tools	
⊠ lithic debitage		☑ diagnostic ceramics					faunal remains	
		other p	orehistorio	c ceramic	s	. 🔲	macrobotanical remains	
diagnostic projectile points	Historic	Artifacts:				perishable artifacts		
☐ non-local lithic material		☐ diagno	stic glass	artifacts	i	ornaments		
		other g	glass artif	acts			figurines	
(cores, hammerstones, etc.)		☐ diagno	stic meta	l artifacts	S		mineral specimens	
☑ ground-stone tools		other r	netal artif	acts	•	\boxtimes	architectural stone	
other stone tools		☐ whole	ceramic \	essel/			burned adobe	
·		diagno	stic cerar	nics		\boxtimes	fire-cracked rock/burned caliche	
		other h	nistoric ce	ramics				
Other items (specify):							•	
Assemblage Size (all components): artifact class				ed freque	•			
	0	1s	10s	100s	1000s	>10,000	*Counts (if <100)	
lithic artifacts (choose one (include debitage)): 🔲			\boxtimes				
prehistoric ceramics (choose one): 🗆				\boxtimes		·	
historic artifacts (choose one): 🛛						<u>o</u> ·	
total assemblage size (choose one)): 🗆				\boxtimes			
Dating Potential: ☐ radiocarbon ☐ relative techniques (e.g. seriation,		drochronolo cs, etc.)			eomagnel		obsidian hydration	
Assemblage Remarks: 5,000+ ceramic of Escavada, and Puerco black of on red, and numerous other to Lithic artifacts numbered 50 exhausted cores, hammer stor grey, brown, tan, and black also identified several one-altered sandstone rock fragm	sherds in white unidential of and nes, and chert, hand an ents.	ncluding es, Kana- fied whi included uniface and rose ad two-ha	-a grey ite, gred i flake: e and b: e, brow	, Chaco ey, and s of al iface t n, grey	and Co red wa I stage cools of , and w	olidge com re sherds s of reduc petrified hite quart	trugated, Puerco black too small to type. Stion, tested and I wood, Zuni spotted, Ez DCRM archaeologists	
TOTAL NUMBER OF COMPONENTS DEFINI COMPONENT #1 (EARLIEST)	ED: <u>1</u>							
Cultural Affiliation: Anagazi Prohistorio	•							

Basis for Temporal Affiliatio ⊠ associated diagnostic artifa *Period of Occupation: (*s	ct or feature typ	oes 🛛 l	oased on analy	based on associated chronometric data vically derived assemblage data or archeoult occupation dates, and phase/complex	logical experience
	Peri	od Name		Begin Date	End Date
Earliest Period:	Puel	blo I		700 AD	1100 AD
Latest Period (if an	y): <u>Puel</u>	blo II			
Dating Status: ☐ radio		dendrochronole , diagnostics, et		rchaeomagnetism	iion
·			e with temp	orally diagnostic features and	artifacts.
Component Type: M					
*Associated Phase/Complex			il structur	e and associated features.	
Associated Filaser Complex					
COMPONENT #2			~`		
Cultural Affiliation:					
•	-			based on associated chronometric data	
associated diagnostic artifa	• • •		•	tically derived assemblage data or archeo ult occupation dates, and phase/complex r	• •
renou of Occupation. (se		od Name	periods, derai	Begin Date	End Date
Earliest Period:	10			g	
Latest Period (if an	v):			·	
Dating Status:	•	dendrochronolo	ogy □ ar	chaeomagnetism 🔲 obsidian hydrat	ion
relative techniques (e.g. se		_		ds (specify):	
Basis for Cultural/Temporal	Affiliation:	<u> </u>			
Component Type:					
Remarks:	M / .) .				
*Associated Phase/Complex					
10. FEATURE DATA	·				
(see NMCRIS User's guide for	a list of valid fe	ature types)	•	•	
	Reliable	#	Assoc.	,	
Feature Type	ID ?	Observed	Comp. #s	Feature ID, Notes	
Roomblock	Yes	1	1	Unit pueblo measuring 19 x 14m consisting of at least ten to buried rooms.	
Depression	Yes	2	2,3	Kiva depressions measuring 6m diameter. Feature 2 has been of by illegal potting activities have left an excavated pit in middle of the feature.	listurbed which
Midden	Yes	1	4	Midden measuring 16 x 10m with scattering of associated ceram	I
Hearth .	Yes	1	5	Collapsed hearth measuring 1m diameter consisting of ash-sta soil ringed by oxidized sandst fragments.	nined
					
		<u> </u>			
					MMODIO 0000 4500
					NMCRIS 2000 vers, 1/00

LA <u>177,468</u>
Feature Remarks:
11. REFERENCES
Written Sources of Information: DCRM 2013-55: A Cultural Resources Inventory of Five Proposed Borrow Pits for MWH Global in the NECR Mine Area, McKinley County, New Mexico. Dinetahdoo Cultural Resources Management, Huerfano, NM. Additional Sources of Information:
12. NARRATIVE DESCRIPTION
LA177468 is an Anasazi PI-PII habitation with five recorded features.
Feature 1 is a collapsed unit pueblo measuring 19 x 14m and consisting of scattered sandstone blocks and slabs covering at least ten to twelve rooms. No wall alignments were visible; however, the rubble mound covers a considerable amount of the ridge spur.
Located in the northern portion of feature 1 is feature 2, a kiva depression measuring 6m in diameter. Feature 2 is 1m deep and has been disturbed by illegal potting activities which have left an excavated pit in the middle of the feature. Feature 2 is composed of scattered sandstone blocks and slabs. Feature 3 is a kiva depression measuring 6m in diameter, also consisting of scattered sandstone blocks and slabs. Feature 3 has not been disturbed by illegal activities.
Feature 4 is a midden in the east site area measuring 16 x 10m which contains 5,000+ ceramic sherds, including Kiatuthlanna, Red Mesa, Gallup, Escavada, and Puerco Black-on-whites, Kana-a grey, Chaco and Coolidge corrugated, Puerco Black-on-red, and numerous unidentified white, grey, and red ware sherds too small to type. Lithic artifacts numbered 500+ and included flakes representing all stages of reduction, tested and exhausted cores, hammerstones, and uniface and biface tools. Materials include petrified wood; Zuni spotted, grey, brown, tan, and black chert; and rose, brown, grey, and white quartz. DCRM archaeologists also identified several one-hand and two-hand sandstone mano fragments and 100+ fire-cracked and -altered sandstone rock fragments. Many of the artifacts being redeposited down gradient to the south by natural erosional processes. A trench measuring 13 x 2m has been excavated into the eastern side of the feature. The trench is most likely associated with illegal potting activities.
Feature 5 is a concentration of fire-cracked and -altered sandstone blocks and slabs measuring 1m in diameter. It may be the remains of a hearth.
No other features were observed or recorded. A bladed road on the eastern side of a fence line, outside the MWH property boundary, may have obliterated a portion of the site. An in-field, non-intrusive assessment determined that LA177468 may contain subsurface cultural materials up to 4m in depth
13, SITE RECORD ATTACHMENTS
 ☑ site location map (USGS 7.5' topo; required) ☑ sketch map or site plan (required) ☐ continuation forms? ☐ other materials (itemize):



LABORATORY OF ANTHROPOLOGY SITE RECORD

1. IDENTIFICATION & OWNER	RSHIP
LA Number: 177469 (contact ARMS for si Site Name(s): MWH4 Other Site Number(s):	te registration)
NM-Q-20-61	Navajo Nation
MI-Q-20-01	ATOM COLD COLOR COLOR
Current Site Owner(s): Private	
Site Type: <u>Structural</u> Occupation	Type: Prehistoric
2. RECORDING INFORMATION	
NMCRIS Activity No.: 128978 Field Site	Number: MWH4
Site Marker? (specify ID#): LA177469	<u> </u>
Recorder(s): J. Begay	
Agency: Dinetahdoo CRM Recording D	ate (dd-MMM-yyyy): 24-0ct-2013
Site Accessibility (choose one):	
Surface Visibility (% visible; choose one):	☐ 0% ☐ 1-25% ☐ 26-50% ☐ 51-75% ☐ 76-99% ☐ 100%
Remarks:	and the second of the second o
Recording Activities: Sketch mapping	
	apping (e.g., total station mapping) shovel or trowel tests; probes
	tion (controlled or uncontrolled)
⊠ in-field artifact	
other activities	
Description of Analysis or Excavation Ac lithic artifact and materials and	tivities: Feature measurement and identification, ceramic identification, aluzed in field; no excavation.
Photographic Documentation: color die	
Surface Collections (choose one):	⊠ no surface collection
uncontrolled surface co	ellection Collections of specific items only
☐ controlled (sample: <10	
other method (describe):
Records Inventory:	ap excavation, collection, analysis records field journals, notes
⊠ sketch map(s)	□ photos, slides, and associated records □ NM Historic Building Inventory form
☐ instrument ma	p(s)
Repository for Original Records: Dineta	hdoo CRM
Repository for Collected Artifacts:	
3. CONDITION	
Archaeological Status: surface collection	tion 🔲 test excavation 🔲 partial excavation 🔲 complete excavation
Disturbance Sources: 🔲 wind erosion 📗	☑ water erosion ☑ bioturbation ☑ vandalism ☐ construction/land development
other source (specify):	
Vandalism: 🔲 defaced glyphs 📋 d	lamaged/defaced building 🛛 surface disturbance 🖾 manual excavation
	ther vandalism (specify):
Percentage of Site Intact (choose one):	☐ 0% ☐ 1-25% ☐ 26-50% ☐ 51-75% ☐ 76-99% ☐ 100%
Observations on Site Condition: Site ha	as been heavily impacted by a large bulldozer cut that has removed
portions of features 1 and 2.	

4. RECOMMENDA	TIONS (for Perform	ner/Recorder use o	nly)		
	☐ (a) ☐ (b)	⊠ eligible □ (o) ⊠ (d)	not eligible	not sure	
Basis for Recommendation settlement patterns,	n: Site can provide subsistence strate	data regarding the	e prehistoric And exploitation of	asazi PI-PII occupat the greater Pinedal	ion, e region.
Assessment of Project Im					
Treatment Recommendati	ons: Avoidance				
5. SHPO CONSUL	TATIONS (for SHP)	O and Sponsor use	only)		
Sponsor NR Determination Sponsor Staff:	n: ☐ eligible ☐ not eliq Date (dd-MMI	gible 🗌 not determined M-yyyy):	Applicable Criter	ia: □ (a) □ (b) □ (c) [(d)
Sponsor Remarks:			,		
· · · · · · · · · · · · · · · · · · ·					
	·	·			
SHPO NR Concurrence: HPD Staff:					
Register Status: ☐ listed State Register No	on National Register 🔲 l .:	listed on State Register	formal determination		
					
	3300-3000				
6. LOCATION					
Source Graphics:					
☑ USGS 7.5' (1:24	1,000) topo maps	rectified as	rial photos [Scale:		
other topo maps	; [Scale:]	unrectified aerial ph	otos [Scale:]		
GPS unit	GPS accuracy (c	hoose one): 🔲 < 1.0 r	n 🗌 1-10 m 🔲 10-	-100 m 🔲 >100 m	
other source (de	escribe):				
UTM Coordinates (@ cente		of coordinates required)	:		
Map-based Coordinates D					
GPS-based Coordinates Directions to Site:	Datum: NAD83 Zone:				
billoca one to one.		T	n nignway K-O-W7 [
Town (if in city limits):	_ State: <u>ম</u> M County: M	cKinley			
USGS Quadrangle Name			Date U	SGS Code	
		_			

PLSS Meridian	Unplatted	Township	Range	Section	1/4 Sections	Protracted?	
New Mexico							
New Mexico		Τ	R				
New Mexico		т	R				
New Mexico		Т	R	_			
	ICAL DESC	RIPTION					
Site Dimension	ns; 43 x <u>31</u> ı	meters Basis for D	Dimensions (choo	se one): 🗌 es	stimated 🛮 measured		
		s for Area (choose one			Elevation: 6973 feet		
	•	(choose one): 🛛 Yes	,				
Basis for Site	Boundaries:	☑ distribution of arche	ological features	k artifacts 🔲 mo	odern features or ground d	isturbance	
		topographic features					
Depositional/E	rosional Envir	onment: 🛛 alluvial	🗌 aeolian 🔲 c	olluvial 🔲 residu	ual 🔲 no deposition (on	bedrock)	
	er process (des	· —					
Stratigraphy &	Depth of Arch	eological Deposits (d	hoose one): 🔲	unknown/not det	ermined		
. 🔲 no	subsurface dep	osits present 🛛 Su	bsurface deposits	present 🛛 st	ratified subsurface deposit	s present	
Estimated Dep							
Basis for Dept	h Determinatio	ns: 🛛 estimated 🔲	shovel/trowel tes	ts 🗌 core/auge	r tests 🔲 excavations		
🔲 roa	d or arroyo cuts	rodent burrows		tions (describe): <u>1</u>	llegal excavation p	<u>its</u>	
Observations of	on Subsurface	Archeological Depos	lts:				
Local Vegetati	on (list species	in decreasing order of	dominance):				
Overst	OTY: Pinyon p	oine, juniper					
Under	Understory: sagebrush, snakeweed, grama grass, rabbitbrush, prickly pear cacti.						
Vegetation Co.	mmunity (choo	se one or two): 🔲 fores	st 🗵 woodland	⊠ grassland □	scrubland 🔲 desert scri	ubland 🔲 marshland	
☐ oth	er community (s	specify):					
Topographic L	ocation:	☐ bench	🔲 dune		☐ low rise	⊠ ridge	
☐ allu	vial fan	☐ blowout	☐ flood	plain/valley	mesa/butte	rockshelter r	
☐ arro	oyo/wash	canyon rim	☐ footh	ill/mountain front	☐ mountain	☐ saddle	
☐ bad	llands	☐ cave	🛚 hill sl	оре	open canyon floor	☐ talus slope	
☐ bas	e of cliff	cliff/scarp/bluff	🔲 hill to	р	☐ plain/flat	☐ terrace	
☐ bas	e of talus slope	constricted can	iyon 🔲 lava i	low (malpais)	☐ playa		
☐ othe	er location (des	cribe):					
Observations of	on Site Setting:	site is located	on the north	slope of an u	nnamed east to west	oriented ridge.	

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8. ASSEMBLAGE DATA

Assemblage Content (all components):	Prehisto	ric Cerami	ics			Other Artifa	cts and Materials:
Lithics:		☐ whole	ceramic	vessels			bone tools
☑ lithic debitage		⊠ diagno	stic cera	mics			faunal remains
chipped-stone tools		other p	orehistori	c ceramic	s		macrobotanical remains
diagnostic projectile points	Historic	Artifacts:					perishable artifacts
non-local lithic material		☐ diagno	stic glas	s artifacts	;		ornaments
		other g	glass artif	acts			figurines
(cores, hammerstones, etc.)		☐ diagno	stic meta	I artifacts	3		mineral specimens
⊠ ground-stone tools		other r	netal arti	facts		\boxtimes	architectural stone
other stone tools		☐ whole	ceramic	vessel			burned adobe
		☐ diagno	stic cera	nics			fire-cracked rock/burned caliche
		other h	nistoric ce	ramics			
Other items (specify):							
Assemblage Size (all components):			- estimat	ed freque	ency ——		
artifact class	0	1s	10s	100s	1000s	>10,000	*Counts (if <100)
lithic artifacts (choose one): (include debitage)				\boxtimes			
prehistoric ceramics (choose one):				\boxtimes			
historic artifacts (choose one):				. 🔲		· 🔲	<u>0</u>
total assemblage size (choose one):				\boxtimes			,
Dating Potential: ☐ radiocarbon ☐ relative techniques (e.g. seriation, d		drochronolo cs, etc.)			eomagnet ods (speci		obsidian hydration
Assemblage Remarks: 200+ ceramic sher whites, Chaco and Coolidge cored ware sherds too small to representing all stages of re Zuni Spotted, grey, and white fragments were also observed altered rock.	rrugat type. duction	ed, Puer Lithic a on, teste c; petrif	rco Bla artifac ed core fied wo	ck-on-r ts numb s, and od; and	ed, and bered 50 hammers l rose,	unidentif + and incl tones. Mat brown, and	ied white, grey, and uded flakes erials consisted of grey quartz. Four mano
9. CULTURAL/TEMPORAL AFFIL	IATIO	NS					
TOTAL NUMBER OF COMPONENTS DEFINED COMPONENT #1 (EARLIEST)	D: <u>1</u>						
Cultural Affiliation: Anasazi Prehistoric							
Basis for Temporal Affiliations (choose one):		not applica	able	☐ based	on assoc	iated chronoi	metric data or historic records
associated diagnostic artifact or feature types			-	•		_	or archeological experience
*Period of Occupation: (*see NMCRIS Guide		valid perio	ods, defa	uit occup	ation date:	•	·
Period						Begin Da	te End Date
Earliest Period: <u>Pueblo</u>						700 A	<u>1100 AD</u>
Latest Period (if any): Puebla Dating Status: ☐ radiocarbon ☐ de		onology	☐ ar	chaeoma	ignetism	☐ obsid	ian hydration
☐ relative techniques (e.g. seriation, di	agnosti	cs, etc.)	oth	er metho	ds (specif	ý):	
Basis for Cultural/Temporal Affiliation: Habit	ation	site wi	th temp	orally	diagnos	tic featu	ces and artifacts.

COMPONENT #2 Cultural Affiliation:					
					
			<u> </u>	·	
Basis for Temporal Affilia associated diagnostic ar *Period of Occupation:	tifact or feature ty (*see NMCRIS Gu	pes 🔲 t	oased on analy	tically derived assemblage alt occupation dates, and pl	ronometric data or historic records data or archeological experience nase/complex names) n Date End Date
Earliest Period:					
Latest Period (if	any);	<u> </u>		-	<u> </u>
Dating Status:	seriation, diagnos ral Affiliation: :	············	other metho	ds (specify):	obsidian hydration
10. FEATURE DA	ГА				
(see NMCRIS User's guide	for a list of valid fe	eature types)			
Feature Type	Reliable ID ?	# Observed	Assoc. Comp. #s	Feature ID, Notes	•
Roomblock	Yes	1	1	A disturbed roomble 11m with two walls bulldozer cut.	
Midden	Yes	1.	2	A midden measuring also been impacted out	
Feature Remarks:					
Written Sources of Inform	ation: DCRM 201				re Proposed Borrow Pits fo

12. NARRATIVE DESCRIPTION

LA177469/NM-Q-20-61 is an Anasazi PI-PII habitation with two recorded features.

Feature 1 is a disturbed roomblock measuring 19 x 11m and consisting of scattered sandstone slabs and blocks and two walls exposed in a bulldozer cut. Both walls consist of unshaped sandstone slabs and blocks set in mud mortar, three courses high. The cut extends 1.5m below the surface at its deepest point. Feature 1 contained a minimum of six rooms before the feature was vandalized.

Feature 2 is a midden measuring 9 x 5m that has also been impacted by the bulldozer cut. It contains 200+ sherds, including Red Mesa, Gallup, Escavada, and Puerco Black-on-whites, Chaco and Coolidge corrugated, Puerco Black-on-red, and unidentified white, grey, and red ware sherds too small to type. Lithic artifacts numbered 50+ and included flakes representing all stages of reduction, tested cores, and hammerstones of Zuni spotted, grey, and white chert; petrified wood; and rose, brown, and grey quartz. Four mano fragments were also observed within the midden as well as 100+ fragments of fire-cracked and -altered rock. Feature 2 has been disturbed on the southeast side by the bulldozer cut that impacted feature 1. As a result of the disturbance, a thin lens of ash-stained soil was exposed in the north wall of the cut.

No other features were identified or recorded. DCRM archaeologists were unable to determine when the impact to the site occurred, although it is believed that 50% of the site remains undisturbed. An infield, non-intrusive assessment determined that LA177469/NM-Q-20-61 does retain subsurface cultural materials possibly up to 4m in depth.

13. SITE RECORD ATTACHMENTS

Site location map (USGS 7.5' topo; required)	⊠ sketch map or site plan (required) □ continuation forms?
other materials (itemize):	





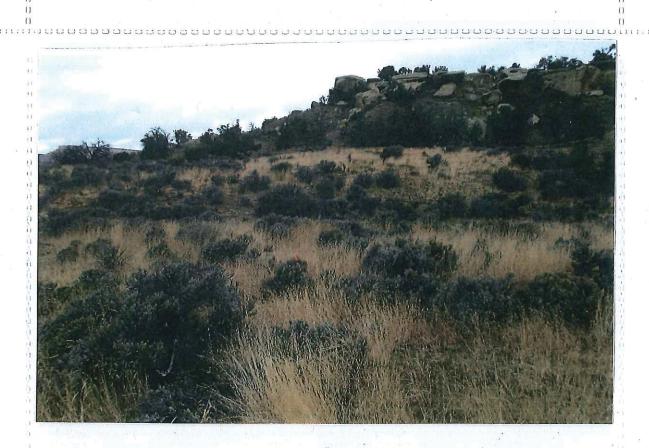


LA 177466 Looking South

LA 177466 Looking East



() () ()



LA 177467 Looking North

LA 177467 Looking West



- () ()

() () () ()

()



LA 177468 Looking North

LA 177468 Looking West





LA 177469 Looking North



LA 177469 Looking West