

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

NMCRIS Activity Number 128978 NM-13-236-SM

November 18, 2013

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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

and

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.

Designation	UTM Coordinates: Zone 12 (NAD 83)		Legal Description (NMPM; Sections Projected)					ed)	
	Northing	Easting	1⁄4	1/4	1⁄4	Sec	Т	R	7.5 min USGS Quad
2018 0 800.00	No	orth Drainag	e Borro	w Pit, 9	acres		8		
Centerpoint									
200-00-0	Sou	th Drainage	Borrow	w Pit, 20	0 acres				(¹
Centerpoint									
		Dilco Hill Bo	rrow P	it, 11 ac	cres	10	2		
Centerpoint									3
		East Borry	ow Pif.	16 aere	6				

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

 McKinley Co, NM.

Centerpoint
West Borrow Pit, 16 acres
Centerpoint
BOL Denotes Beginning of Line
B Denotes Bend
EOL Denotes End of Line
* Denotes Projected ¼ 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 multy, 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 State: New Mexico County: McKinley Chapter: Pinedale 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 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 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 $30 \times 6m$ 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 $15 \times 12m$ 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 crosional 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)	159
USGS Map Reference:		<u>.</u>
Legal Location:		
UTM (NAD83):		
Land Status: Private	10	<i>.</i>
State: New Mexico	County: McKinley	Chapter: Pinedale
Site Type: Anasazi PI-PI	II Habitation	► 10 K0
Site Size: 37 x 39m		
Site Setting: LA177468/	NM-O-21-123 is located on a	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 $13 \times 2m$ 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	φ.		
State: New Mexico	County: McKinley	Chapter: Pinedale	
Site Type: Anasazi PI-PI	II Habitation		
Site Size: 43 x 31m	6		
Site Setting: LA177469/	NM-O-20-61 is on the north s	lope of an unnamed east-to-west r	idge,

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

Feature 1 is a disturbed roomblock measuring $19 \times 11m$ 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.

10 #	Artifact Description	Location UTM Coordinates (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				

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

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.

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			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			
2		AIRFA	Does not merit consideration			
		NAGPRA	Does not merit consideration			
LA177467/NM-	Anasazi (PI-PII)	NRHP	Eligible			
Q-21-123 (Inside	Habitation	1,101	1. 50-year guideline met			
South Drainage	Inditation		2. Retains integrity of location, setting,			
Borrow Area)			workmanship, and materials			
Donow Area)	× 8.	- 14 S	3. Does meet criterion d			
		ARPA	Is Eligible? Yes			
		ANTA	1. 100-year guideline met? Yes			
£1						
		AIRFA	2. Is of archaeological interest? Yes Does not merit consideration			
T 4 1994 (0 0 D 4		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.			
		17771	3. Does meet criterion d			
	8	ARPA	Is Eligible? Yes			
			1. 100-year guideline met? Yes			
	2.	1	2. Is of archaeological interest? Yes			
		AIRFA	Does not merit consideration			
9		NAGPRA	May merit consideration			
LA177469/NM-	Anasazi (PI-PII)	NRHP	Eligible			
Q-20-61 (Inside	Habitation		1. 50-year guideline met			
West Borrow	z		2. Retains integrity of location, setting,			
Area)			workmanship, and materials.			
. u		111	3. Does meet criterion d			
		ARPA	Is Eligible? Yes			
	<u>%</u>		1. 100-year guideline met? Yes			
		8	2. Is of archaeological interest? Yes			
	(*)	AIRFA	Does not merit consideration			

Table 3: NHPA, ARPA, AIRFA, and NAGPRA Evaluation of Identified Cultural Resources documented within the five proposed borrow pits in McKinley Co, NM.

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 met		
			2. 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		
	27.	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
LA Number: 177466 (contact ARMS for site registration)
Current Site Owner(s): Private Site-Type: Non-Structural Occupation Type: Prehistoric
2. RECORDING INFORMATION
NMCRIS Activity No.: 128978 Field Site Number: MWH1 Site Marker? Image: specify ID#): LA177466 Recorder(s): J. Begay Agency: Dinetahdoo CRM Recording Date (dd-MMM-yyyy): 24-Oct-2013 Site Accessibility (choose one): Image: specific accessible im
Recording Activities: Sketch mapping Image: photography Image: instrument mapping (e.g., total station mapping) Shovel or trowel tests; probes Image: surface collection (controlled or uncontrolled) Image: test excavation Image: infield artifact analysis Image: excavation (data recovery) Image: other activities (specify): Image: excavation (data recovery)
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 Surface Collections (choose one):
Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Second constraints (another bring) Image: Second constraints (another bring) Image: Image: Second constraints (another
Records Inventory: Image: Site location map instrument map(s) Image: Site location map instrument map instrum
Repository for Original Records: <u>Dinetahdoo</u> 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

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4. RECOMMENDATIONS (for Performer/R	Recorder use o	only)		
National Register Eligibility (choose one): Image: Choose one): Applicable Criteria: Image: Choose one): Image: Choose one): <		🗌 not eligible	not sure	
Basis for Recommendation: Site can provide dat subsistence strategies, and resource exploi	a regarding t	he prehistorio	Anasazi PI-PII occupation,	
Assessment of Project Impact: <u>Site will be exten</u> : Treatment Recommendations: Avoidance				
5. SHPO CONSULTATIONS (for SHPO and	d Snonsor us	a only)	¥.	6
Sponsor NR Determination: eligible inot eligible			ritoria: D(a) D(b) D(c) D	174
Sponsor Staff: Date (dd-MMM-yyy	y): 			1 (0)
Sponsor Remarks:				
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and the second	2 - 1 - 2 - 2			
			1	
		R. 38 Sp	2	
SHPO NR Concurrence: eligible ont eligible HPD Staff: Date (dd-MMM-yyy)				
Register Status: 🗌 listed on National Register 🔲 listed of	and the second se		 Market and and an and a state of the state o	
State Register No.:				
SHPO Remarks:	ΨX	27 - 1 2 - 19		
An				
6. LOCATION	1993 -			
Source Graphics:				
USGS 7.5' (1:24,000) topo maps	C rectified as	rial photos [Scale:	1	
		otos [Scale:		
GPS unit GPS accuracy (choose				
☐ other source (describe):	, _			
UTM Coordinates (@ center of site; at least one set of coordinates	rdinates 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: McKinJ	lev			
USGS Quadrangle Name		Date	USGS Code	
a			2 2	
95				
		K.		

PLSS Meridian	Unplatted	Township	Range	Section	1/4 Sections	Protracted?		
New Mexico			1.01.00		011 - 0 ¹²⁰			
New Mexico		r	R					
New Mexico		т	R			□		
New Mexico		т	R			□		
7. PHYS	ICAL DESCR			0.00	5			
Site Dimension	15: <u>32</u> x <u>30</u> m	eters Basis for Di	mensions (choose	one): 🗌 es	stimated 🖾 measured			
Site Area: 960	sq m Basis for	Area (choose one):	🗌 estimated 🛛	measured	Elevation: 7004 feet			
Site Boundarie	s Complete? (cl	noose one): 🛛 Yes	🗋 No (explain):					
Basis for Site I	Boundaries: 🗵	distribution of archeo	logical features & a	artifacts 🔲 m	odern features or ground d	isturbance		
	날 가지 사람이 이렇게 다 가지 않는 것 같아요. 이렇게 많이	opographic features		and the second s		194 		
Depositional/E	rosional Enviror	nment: 🛛 alluvial 🛛] aeolian 🛛 coll	uvial 🔲 resid	ual 🔲 no deposition (on l	bedrock)		
🗌 oth	er process (descr	ibe):						
Stratigraphy &	Depth of Arche	ological Deposits (ch	oose one): 🗌 u	nknown/not det	ermined	13		
🖾 no :	subsurface depos	sits present 🛛 🔲 sub	surface deposits p	resent 🗌 st	ratified subsurface deposit	s present		
Estimated Dep	th of Deposits:							
Basis for Dept	Determination	s: 🗌 estimated 📋 s	shovel/trowel tests	core/auge	r tests 🔲 excavations			
🗋 roa	f or arroyo cuts	rodent burrows [dther observatio	ns (describe):				
Observations of	n Subsurface A	rcheological Deposit	s:	1.4				
Local Vegetatio	n (list species in	decreasing order of de	ominance):					
Overst	ory: Pinyon pi	ne, juniper						
Unders	tory: sagebrus	h, snakeweed, gra	ama grass, rabl	oitbrush, pr	cickly pear cacti.			
Vegetation Con	munity (choose	one or two): forest	woodland] grassland	scrubland 🗌 desert scru	ıbland 🔲 marshland		
🗋 othe	r community (sp	ecify):						
Topographic Lo	ocation:	D bench	🗌 dune		low rise	🗌 ridge		
🗌 allu	/ial fan	D blowout	flood pl	ain/valley	mesa/butte	rockshelter		
🗋 arro	yo/wash	🗋 canyon rim	🔲 foothill/	mountain front	🗔 mountain	saddle		
🗌 bad	ands	🗔 cave	🛛 hill slop	e	open canyon floor	🗌 talus slope		
🗌 base	e of cliff	Cliff/scarp/bluff	🗖 hill top		🔲 plain/flat	terrace		
🗖 base	e of talus slope	constricted cany	on 🗌 lava flov	w (malpais)	🗌 playa			
🔲 othe	other location (describe):							
Observations o	observations on Site Setting site is logated on the north slope of an upnamed west-priented ridge							

8. ASSEMBLAGE DATA

Assemblage Content (all components): Prehistoric Ceramics					2	Other Artifacts and Materials:		
Lithics:	whole ceramic vessels			Done tools				
Iithic debitage		🖾 diagno	stic cera	amics			faunal remains	
chipped-stone tools	⊠ other prehistoric ceramics				macrobotanical remains			
diagnostic projectile points	Historic Artifacts:					perishable artifacts		
non-local lithic material		🗌 diagno	stic glas	s artifacts		Ē	ornaments	
stone-tool manufacturing items		☐ other g	0000				figurines	
(cores, hammerstones, etc.)		☐ diagno					mineral specimens	
ground-stone tools		☐ other n		•			architectural stone	
other stone tools		whole					burned adobe	
	8						fire-cracked rock/burned	l caliche
							Inte-oracided rook/barried	Callone
		other h	ISTOLIC CE	erannics				
Other items (specify):								
Assemblage Size (all components):		A 10 10	· estima	ted freque	n cy ——			
artifact class	0	1s	10s	100s	1000s	>10,000	*Counts (if <100)	2
lithic artifacts (choose one): (include debitage)							<u>2</u>	
prehistoric ceramics (choose one):				\boxtimes				2
historic artifacts (choose one):	\boxtimes						<u>o</u>	
total assemblage size (choose one):				\boxtimes			·	
Dating Potential:	🗌 deno	irochronolo	First second second		eomagnet		obsidian hydration	
I relative techniques (e.g. seriation, c	_	-		her metho		2 C C C C C C C C C C C C C C C C C C C		
Assemblage Remarks: Artifacts consis Escavada black on whites, Kar								
unidentifiable white, grey, a								
primary flakes.								
9. CULTURAL/TEMPORAL AFFIL	IATIO	NS				÷		
TOTAL NUMBER OF COMPONENTS DEFINE	D: 1							
COMPONENT #1 (EARLIEST)	2000							
Cultural Affiliation: Anasazi Prehistoria							6	<u> </u>
Basis for Temporal Affiliations (choose one):		not applica	bie	based	on assoc	lated chronoi	metric data or historic re	cords
associated diagnostic artifact or feature type:			SHORD MORE DOMEST	ACCOUNT OF A DATE OF A DATE OF			or archeological experie	nce
*Period of Occupation: (*see NMCRIS Guide		r valid perio	ds, defa	ult occupa	ition dates	- 10 III - 10 III	1. 12 1700 - 1000 - 10	
Period	Name	<u></u>		12		Begin Da	te End Date	
Earliest Period: Puebl						700 A	<u>D. 1100 AD</u>	
Latest Period (if any): Puebl	10 A	ne-ondere et 🔹 de tracte es	()		ne an energy e t ime ma ant	FT	For some From From From Street	2
Dating Status: ☐ radiocarbon ☐ do		onology cs, etc.)		rchaeomao her methoo	-		ian hydration	
Basis for Cultural/Temporal Affiliation: Surf:	nond an and the standard	0100000 00000000					acts	
Component Type: Artifact scatt				underster Enterstellen. Br				
Remarks: Artifact scatter with	no fe	atures,	functi	on unkno	own.			
	21			a 6	-	23 (243	NMCRIS 200	0 vers. 1/00

*Associated Phase/Complex Name(s):
COMPONENT #2
Cultural Affiliation:
Basis for Temporal Affiliations (choose one): 🔲 not applicable 🗌 based on associated chronometric data or historic records
Image: system of the system
Period Name Begin Date End Date
Earliest Period:
Latest Period (if any):
Dating Status: 🔲 radiocarbon 🔄 dendrochronology 🔄 archaeomagnetism 🔲 obsidian hydration
relative techniques (e.g. seriation, diagnostics, etc.)
Basis for Cultural/Temporal Affiliation:
Component Type:
Remarks:
*Associated Phase/Complex Name(s):
10. FEATURE DATA
(see NMCRIS User's guide for a list of valid feature types)

Feature Type	Reliable ID ?	# Observed	Assoc. Comp. #s	Feature ID, Notes
2			- 8 - 80 <u> 8</u>	
5 2000 Matri 5				
				24.1
				12
	Ξ.			
2 2				
Manager and the second second second				

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:

.

LA 177,466

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?

LABORATORY OF ANTHROPOLOGY SITE RECORD

1. IDENTIFICATION & OWNERSHIP
LA Number: 177467 (contact ARMS for site registration)
Current Site Owner(s): <u>Private</u> Site Type: <u>Structural</u> Occupation Type: <u>Prehistoric</u>
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
Recording Activities: Image: sketch mapping Image: sketch map
lithic artifact and materials analyzed in field; no excavation. Photographic Documentation: color digital images 2 site overviews
Surface Collections (choose one): Images 2 bitce over views Images 2 bitce over views Surface Collections (choose one): Images 2 bitce over views Images 1 collections of specific items only Images 1 controlled (complete: 100%) Images 1 controll
Repository for Original Records: <u>Dinetahdoo</u> <u>CRM</u> 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

4. RECOMMEN	IDATIONS (for Perf	ormer/Recorder u	ise only)		
National Register Eligi Applicable Criteria:	ibility (choose one): (a) (b)	⊠ eligible □ (c) ⊠ (d)	not eligible	not sure	
	ation: <u>Site can prov</u> ns, subsistence str				
Assessment of Projec Treatment Recommen	t Impact: <u>Site will b</u> dations: <u>Avoidance</u> SULTATIONS (for Si			sturbance, no impa	<u>ot.</u>
Sponsor Staff:	ation:] eligible] no Date (dd-i	MMM-yyyy):	ม <u>ม การาช</u> า	year L	b) [] (c) [] (d)
SHPO NR Concurrence	e: 🗌 eligible 🗌 not e	eligible 🗌 not determi	ned Applicable	Criteria: 🗌 (a) 🔲 (b) [] (c) [] (d)
Register Status: 🔲 list State Register	Date (dd-f	Iisted on State Reg	ister 🔲 formal deterr	nination of eligibility	g No:
6. LOCATION				*	
☐ other topo m ☐ GPS unit	1:24,000) topo maps haps [Scale:] GPS accurac (describe):	unrectified aer	ed aerial photos [Scal ial photos [Scale: : 1.0 m □ 1-10 m		m
Map-based Coordinates GPS-based Coordinates		ə:	lired):		
	way R-O-W? [_] State: <u>№</u> County	/: <u>McKinley</u>			N: 581
USGS Quadrangle Nam	e		Date	USGS Code	
		1			-
×					

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PLSS		<u>8</u> 1			09	
Meridian	Unplatted	Township	Range	Section	1/4 Sections	Protracted?
New Mexico						
New Mexico		T R	.	_		
New Mexico		T R		_		🗆
New Mexico		T R			<u> </u>	· 🗆
7. PHYS	ICAL DESCI	RIPTION	3			
Site Dimension	ns: <u>56</u> x <u>42</u> m	eters Basis for Dim	ensions (choo	se one): 🗌 e	stimated 🛛 measured	
Site Area: 2,35	52 sq m Basis	for Area (choose one):	estimated	🛛 measured	Elevation: 7049 feet	
Site Boundarle	s Complete? (c	hoose one): 🛛 Yes [🗋 No (explain)			
Basis for Site E	Boundaries: [distribution of archeolo	gical features &	k artifacts 🛛 🗍 m	odern features or ground	disturbance
· 🗌 proj	perty lines 🔲	topographic features 🛛 🗌	other (specify)):	窥	
Depositional/E	rosional Enviro	nment: 🛛 alluvial 🔲	aeolian 🖾 co	olluvial 📋 resid	ual 🛛 no deposițion (on	bedrock)
🗋 othe	er process (desc	ribe):				
Stratigraphy &	Depth of Arche	ological Deposits (choo	ose one): 🔲	unknown/not det	ermined	
🗌 no s	subsurface depo	sits present 🛛 🖾 subsu	urface deposits	present 🔲 s	tratified subsurface deposi	ts present
Estimated Dept	th of Deposits:	<u>4m</u>				
Basis for Depth	Determination	ns: 🛛 estimated 🔲 sh	ovel/trowel test	s 🗌 core/auge	r tests 🔲 excavations	
🗌 road	d or arroyo cuts	C rodent burrows	other observal	ions (describe):		
		Archeological Deposits:		× 3		
Local Vegetatio	on (list species li	n decreasing order of don	ninance):			
Oversto	ory: Pinyon p	ine, juniper		10		
Unders	tory: sagebrus	sh, snakeweed, gram	a grass, ra	bbitbrush, p	rickly pear cacti.	
	12.00 B 10.00 B		510-17 P	2.2.2.2 E. 2.2.2.2	scrubland desert scr	ubland 🗌 marshland
	er community (sp					
Topographic Lo		bench	🗌 dune		🔲 low rise	🗌 ridge
🗌 alluv	<i>r</i> ial fan	blowout	[] flood	plain/valley	M mesa/butte	rockshelter
arro	yo/wash	anyon rim	🗌 foothi	I/mountain front	mountain	saddle
🗌 badl	ands	cave	🗌 hill slo	рө	open canyon floor	☐ talus slope
🖾 base	e of cliff	Cliff/scarp/bluff	🗌 hill top	>] plain/flat	terrace
	of talus slope	constricted canyor	n 🗌 lava fi	ow (malpais)	🗍 playa	
	r location (desci	ibe)	P6541: P654 107			

Observations on Site Setting: site is located at the south base of an unnamed mesa.

8. ASSEMBLAGE DATA

Assemb	lage Content (all components):	Prehisto	oric Ceram	ics			Other Artifacts and Materials:		
Lithics:		whole ceramic vessels			🗋 bone tools				
	Iithic debitage	⊠ diagnostic ceramics				[faunal remains		
	Chipped-stone tools	I other prehistoric ceramics					macrobotanical remains		
12	diagnostic projectile points	Historic	Artifacts:			. [perishable artifacts		
	non-local lithic material		🗌 diagno	ostic glass	s artifacts	[ornaments		
	Stone-tool manufacturing items		other g	glass artif	acts		E] figurines	
	(cores, hammerstones, etc.)		🗌 diagno	ostic meta	artifacts		0	mineral specimens	
	⊠ ground-stone tools		🗌 other i	metal artit	facts			☑ architectural stone	
	other stone tools		whole	ceramic	/essel		E	burned adobe	
		☐ diagnostic ceramics				I fire-cracked rock/burned caliche			
			🗌 other h	nistoric ce	ramics				
	Other items (specify):								
								Ĩ.	
Assemb	lage Size (all components):	a n a		- estimat	ed freque	ncy ——		-	
artif	act class	0	1s	10s	100s	1000s	>10,000	*Counts (if <100)	
(-	lithic artifacts (choose one): (include debitage)					\boxtimes			
	prehistoric ceramics (choose one):								
a n	historic artifacts (choose one):	\boxtimes						<u>0</u>	
	total assemblage size (choose one):						\boxtimes		
Dating P	19 YO M PREAS AND REPORT OF A CONTRACT OF A	29 - 56 - MORGARDONS	Irochronolo			eomagnei		obsidian hydration	
	I relative techniques (e.g. seriation, c	1077	1996 - 19			ds (speci	1923		
	age Remarks: 100,000+ ceramic Gallup, Escavada, Puerco, and								
	Puerco and Wingate black on a								
	small to type. Lithic artifac								
	tested, exhausted, and multip								
	biface tools, and retouched in chert, rose, brown, grey, and	i white	or petr:	and d	lear ch	ni spot alcedon	v. DCRM	archaeologists also	
1	identified several one-hand a	and two	-hand sa	andston	e mano :	fragmen	ts as we	11 as basin and trough	
	metate fragments and 200+ fin	re-orac	ked and	altere	d sands	tone ro	ck fragm	ents.	
9. (CULTURAL/TEMPORAL AFFIL	IATIO	NS					2	
TOTAL N	UMBER OF COMPONENTS DEFINE	D: 1					1996, <u>1996, 1997</u> , 1977, 1977, 1977, 1977, 1977, 1977, 1977, 1977, 1977, 1977, 1977, 1977, 1977, 1977, 1977, 1977		

COMPONENT #1 (EARLIEST)

Cultural Affiliation: Anasazi Prehistoric

Basis for Temporal Affiliations (choose	e one): 🗌 not applicable 🔲 based on associa	ted chronometric da	ita or historic records
associated diagnostic artifact or feature			
*Period of Occupation: (*see NMCR	IS Guidelines for valid periods, default occupation dates,	and phase/complex	(names)
*	Period Name	Begin Date	End Date
Earliest Period:	Pueblo I	700 30	1100 AD
Latest Period (if any):	Pueblo II	700 AD	1100 AD
Dating Status: 🗌 radiocarbon	🔲 obsidian hydra	ation	
🛛 relative techniques (e.g. ser	iation, diagnostics, etc.)		
Basis for Cultural/Temporal Affiliation	Habitation site with temporally diagnost	lc features and	artifacts.
Component Type: Multiple	residence	2.52	
	with residential structure and associated	features.	
*Associated Phase/Complex Name(s)	i		
	· · · · ·		
Cultural Affiliation:			
terres of Platter and			e.
Basis for Temporal Affiliations (choos			
Basis for Temporal Affiliations (choos	re types 🗌 based on analytically derived assemi	blage data or arche	ological experience
Basis for Temporal Affiliations (choos	s Guidelines for valid periods, default occupation dates, a	blage data or archeo and phase/complex	ological experience names)
Basis for Temporal Affiliations (choos	re types 🗌 based on analytically derived assemi	blage data or arche	ological experience
Basis for Temporal Affiliations (choos	s Guidelines for valid periods, default occupation dates, a	blage data or archeo and phase/complex	ological experience names)
Basis for Temporal Affiliations (choos associated diagnostic artifact or featu *Period of Occupation: (*see NMCRI	s Guidelines for valid periods, default occupation dates, a	blage data or archeo and phase/complex	ological experience names)
Basis for Temporal Affiliations (choos associated diagnostic artifact or feature *Period of Occupation: (*see NMCRI Earliest Period: Latest Period (if any): Dating Status: radiocarbon	re types	blage data or archeo and phase/complex	ological experience names) End Date
Basis for Temporal Affiliations (choos associated diagnostic artifact or feature *Period of Occupation: (*see NMCRI Earliest Period: Latest Period (if any): Dating Status: relative techniques (e.g. seriation, diagnostic)	Ire types	blage data or archeo and phase/complex Begin Date	ological experience names) End Date
Basis for Temporal Affiliations (choos associated diagnostic artifact or feature *Period of Occupation: (*see NMCRI Earliest Period: Latest Period (if any): Dating Status: radiocarbon relative techniques (e.g. seriation, dia Basis for Cultural/Temporal Affiliation	Image: state of the state	blage data or archeo and phase/complex Begin Date	ological experience names) End Date
Basis for Temporal Affiliations (choos associated diagnostic artifact or feature *Period of Occupation: (*see NMCRI Earliest Period: Latest Period (if any): Dating Status: radiocarbon relative techniques (e.g. seriation, dia Basis for Cultural/Temporal Affiliation Component Type :	Ire types	blage data or archeo and phase/complex Begin Date	ological experience names) End Date
Basis for Temporal Affiliations (choos associated diagnostic artifact or feature *Period of Occupation: (*see NMCRI Earliest Period: Latest Period (if any): Dating Status: radiocarbon relative techniques (e.g. seriation, dia Basis for Cultural/Temporal Affiliation	Ire types	blage data or archeo and phase/complex Begin Date	ological experience names) End Date
Basis for Temporal Affiliations (choos associated diagnostic artifact or feature *Period of Occupation: (*see NMCRI Earliest Period: Latest Period (if any): Dating Status: relative techniques (e.g. seriation, dia Basis for Cultural/Temporal Affiliation Component Type: Remarks:	Ire types	blage data or archeo and phase/complex Begin Date	ological experience names) End Date

Feature Type	Reliable ID ?	# Observed	Assoc. Comp. #s	Feature ID, Notes
Roomblock	Yes	1	1	Collapsed L-shaped unit pueblo measuring 30 x 6m with at least eight to ten rooms.
Depression	Yes	1	2	Depression measuring 6m in diameter and 70cm in depth containing the buried remnants of a kiva or pithouse.
Plaza	Yes	1	3	Plaza measuring 15 x 12m with a scattering of associated ceramics.
Midden	Yes	1	4	Midden measuring 37 x 15m containing over 100,000 artifacts and ash-stained soils.
Hearth	Yes	3	5,6,7	Three hearths measuring 1m in diameter with a concentration of ash-stained soil and associated oxidized sandstone fragments.
······				

LA 177,467

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	,,		

Feature Remarks:

11. REFERENCES

Written Sources of Information: DCRM 2013-55: A Cultural Resources Inventory of Five Proposed Borrow Pits for <u>MWH Global in the NECR Mine Area, McKinley County, New Mexico. Dinetahdoo Cultural Resources</u> Management, Huerfano, NM.

Additional Sources of Information:

12. NARRATIVE DESCRIPTION

LA177467 is an Anasazi PI-PII habitation with seven recorded features.

Feature 1 is a collapsed L-shaped unit pueblo measuring $30 \times 6m$ 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 twohand 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 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 in-field, non-intrusive assessment determined that LA177467/NM-Q-21-123 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 & OWNERSHIP
LA Number: 177468 (contact ARMS for site registration)
Current Site Owner(s): Private Site Type: Structural Occupation Type: Prehistoric
2. RECORDING INFORMATION
NMCRIS Activity No.: <u>128978</u> Field Site Number: <u>MWH3</u> Site Marker? ⊠ (specify ID#): <u>LA177468</u> Recorder(s): <u>J. Begay</u> Agency: <u>Dinetahdoo CRM</u> Recording Date (dd-MMM-yyyy): <u>24-Oct-2013</u> 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:
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): Images 2 site overviews Image: Ima
Instrument map(s) Instrument map(s) 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

4. RECOMMEN	DATIONS (for Perform	er/Recorder use	only)	t.	
	□ (a) □ (b)	⊠ eligible □ (c) ⊠ (d)	not eligible	not sure	1
<u>settlement pattern</u> Pinedale region.	ation: <u>Site can provide</u> s, <u>subsistence strate</u>	gies, religiosity	, and resource	exploitation of the	greater
	Impact: Site will be en	xtensively marked	to avoid distu	irbance, no impact.	
Treatment Recommend	ations: Avoidance				
5. SHPO CONS	ULTATIONS (for SHPC) and Sponsor us	e only)		
Sponsor Staff:	tion: 🗌 eligible 📄 not elig Date (dd-MMM	И-уууу): [monut L	iteria: [] (a) [] (b) [] (c) 🗌 (d)
Sponsor Remarks:	3/m)				
	September 1997	107.251			
	1.041 g				· · · · · · · · · · · · · · · · · · ·
······	1.		19 ¹⁰	1948 - 1948	
	: Eligible Inoteligib Date (dd-MMN				
	ed on National Register 🔲 li				
State Register		120 II.	2 12		
SHPO Remarks:	t t				
1					· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	201 x				
6. LOCATION					
Source Graphics:					
🛛 USGS 7.5' (1	:24,000) topo maps	rectified a	erial photos [Scale:		
🔲 other topo ma	aps [Scale:]	unrectified aerial pl	hotos [Scale;	L	
GPS unit	GPS accuracy (cf	noose one): 🔲 < 1.0	m 🗌 1-10 m 🔲	10-100 m 📋 >100 m	
c other source	(describe):	÷			
UTM Coordinates (@ ce	nter of site; at least one set o	of coordinates required):		
Map-based Coordinates	Contraction of Contraction Contraction of Contracti				
GPS-based Coordinates Directions to Site:	Datum: NAD83 Zone:				
		ព អាឡ	nway R-O-W? 🔲		
Town (If in city limits):	State: NM County: Mc	CKinley			
USGS Quadrangle Name	3		Date	USGS Code	
	2				
			3.83 		

PLSS Meridian	Unplatted	Township	Range	Section	1⁄4 Sections	Protracted?
New Mexico						
New Mexico		т	R			
New Mexico		т	R			□
New Mexico		т	R			Ö
7. PHYS	ICAL DESCR	RIPTION				
Site Area: <u>1,4</u> Site Boundarie Basis for Site I Depositional/E	43 sq m Basis s Complete? (c Boundaries: perty lines trosional Enviro er process (desc	opographic features nment: 🔲 alluvial 🗌): estimated No (explain) ological features 8 other (specify aeolian co	⊠ measured : & artifacts □ m): olluvial □ resid	stimated I measured Elevation: <u>7049</u> feet odern features or ground o ual I no deposition (on ermined	
☐ no : Estimated Dep	subsurface depo th of Deposits;	sits present ⊠ sul <u>4m</u>	bsurface deposits	present 🛛 st	ratified subsurface deposit	ts present
🗌 roa	d or arroyo cuts	rodent burrows	🛛 other observa	1947 - 2010 1946 HEREN HEREN	rtests 🔲 excavations	oits
		Archeological Deposition decreasing order of o		8		•
_		ne, juniper	tominance).	*3		
Ca			ama oraga ra	bbithruch n	ickly pear cacti.	·
					scrubland desert scru	ubland
	er community (sp		A Moodania			
Topographic Lo		bench	🗌 dune		low rise	🛛 ridge
	/ial fan	D blowout		plain/valley	mesa/butte	rockshelter
arro	yo/wash	canyon rim		ll/mountain front		Saddle
🔲 badi	ands	cave	🗖 hill slo	ope	open canyon floor	talus slope
base	e of cliff	Cliff/scarp/bluff		10.1	plain/flat	terrace
🗖 base	e of talus slope	constricted can		low (malpais)	☐ playa	20
🗋 othe	r location (descr					
<u> </u>			223	9 <u>e</u>		

Observations on Site Setting: site is located on a spur of an unnamed west-oriented ridge.

8. ASSEMBLAGE DATA	
--------------------	--

Assem	plage Content (all components):	Prehistoric Ceramics					Other Ar	tifacts and Materials:
Lithics:			🗌 whole	ceramic	vessels			🔲 bone tools
	🖾 lithic debitage	⊠ diagnostic ceramics				🔲 faunal remains		
	C chipped-stone tools		🛛 other	prehistorio	ceramic	s	÷	macrobotanical remains
	l diagnostic projectile points	Historic	Artifacts:		2			perishable artifacts
	🗌 non-local lithic material		🗌 diagn	ostic glass	artifacts			ornaments
	Stone-tool manufacturing items		🗌 other	glass artif	acts			🗌 figurines
191	(cores, hammerstones, etc.)		🔲 diagn	ostic meta	l artifacts			mineral specimens
	ground-stone tools		🗌 other	metal artif	acts			🛛 architectural stone
	other stone tools		🗌 whole	ceramic v	ressel			burned adobe
	8 4		🔲 diagno	ostic cerar	nics			Ifire-cracked rock/burned caliche
		e	other	historic ce	ramics	π:		2 × ×
2	Other items (specify):							2 2
	plage Size (all components):	3		- estimate	ed freque	ncy —		
arti	fact class	0	1s	10s	100s	1000s	>10,000) *Counts (if <100)
	lithic artifacts (choose one (include debilage)	:			\boxtimes			<u> </u>
	prehistoric ceramics (choose one	: 🗆				\boxtimes	· 🔲	20 <u></u>
.#	historic artifacts (choose one)	: 🛛						<u>0</u>
	total assemblage size (choose one)	: 🗆				\boxtimes		
Dating I	Potential: 🗌 radiocarbon		drochronol			eomagneti		obsidian hydration
	I relative techniques (e.g. seriation,		20 950 10 10 10 10			ds (specif		
Assemt	lage Remarks: <u>5,000+ ceramic s</u> Escavada, and Puerco black o							
	on red, and numerous other u Lithic artifacts numbered 50	nident	ified wh	ite, gre	ey, and	red war	e shero	is too small to type.
	exhausted cores, hammer stor	es, and	i unifac	e and b:	lface t	ools of	petrif	ied wood, Zuni spotted,
	grey, brown, tan, and black also identified several one-	chert, hand ar	and ros	e, brown and same	1, grey istone (, and wh	nite qua	artz. DCRM archaeologists and 100+ fire-gracked and
	altered sandstone rock fragm							
9.	CULTURAL/TEMPORAL AFFI	LIATIO	NS			10		3
ΤΟΤΔΙ	NUMBER OF COMPONENTS DEFINE	D: 1		tetalis et all'ille élécul				
	NENT #4 (FAR) (FOR	· · · · ·			*			

COMPONENT #1 (EARLIEST)

Cultural Affiliation: Anasazi Prehistoric

	is (choose one)		pplicable	based on associa	ted chronometric o	lata or historic records
🖾 associated diagnostic artifac					1	eological experience
*Period of Occupation: (*se	e NMCRIS Gui	delines for valio	d periods, defai	ult occupation dates,	and phase/comple	ex names)
	Perio	d Name			Begin Date	End Date
Earliest Period:		lo I		5	700 AD	1100 AD
Latest Period (if any	/): <u>Pueb</u>	<u>10 II</u>				
Dating Status: 🗌 radioc	arbon 🗌	dendrochronold	ogy 🗌 ar	chaeomagnetism	🔲 obsidian hyd	Iration
🛛 relative techniques	(e.g. seriation,	diagnostics, et	c.) 🗌 oth	er methods (specify)		
Basis for Cultural/Temporal A	Affiliation: Hab	itation site	e with temp	orally diagnosti	lc features an	d artifacts.
Component Type: <u>Mu</u>	ltiple resi	dence				
Remarks: Habitation	on site with	n residentia	al structure	and associated	features.	
*Associated Phase/Complex	Name(s):					
					8	
COMPONENT #2			<u></u>			
Cultural Affiliation:						
Basis for Temporal Affiliation		the second literation of the		<u>u - 109</u> 01,2001,2020,2020,2020,2020,2020,2020,2		lata or historic records
associated diagnostic artifac	CONTROLOGY 2002 TO DUAL CONTROL PART AND			tically derived assemi	1077	165
*Period of Occupation: (*se	e NMCRIS Guid	ielines for valid	l periods, defau	ilt occupation dates, a	and phase/comple	x names)
	Perio	d Name	-54	10 10	Begin Date	End Date
Earliest Period:	Perio	d Name	54		Begin Date	End Date
Earliest Period: Latest Period (if any		d Name 	μ.		Begin Date	End Date
):	d Name dendrochronolo	ogy 🗌 ard	chaeomagnetism	Begin Date	
Latest Period (if any):	 dendrochronolo				
Latest Period (if any Dating Status:): arbon □ c ation, diagnosti	 - dendrochronolo cs, etc.) [chaeomagnetism		
Latest Period (if any Dating Status:): arbon □ o ation, diagnosti (ffiliation:	 dendrochronolc cs, etc.) [] other metho	chaeomagnetism		
Latest Period (if any Dating Status:): arbon □ o ation, diagnosti (ffiliation:	 dendrochronolc cs, etc.) [] other metho	chaeomagnetism		
Latest Period (if any Dating Status:): arbon □ o ation, diagnosti .ffiliation:	 dendrochronolo cs, etc.) [] other metho	chaeomagnetism		
Latest Period (if any Dating Status:): arbon □ o ation, diagnosti .ffiliation:	 dendrochronolo cs, etc.) [] other metho	chaeomagnetism		
Latest Period (if any Dating Status:): arbon diagnosti ation, diagnosti .ffiliation: Name(s):	 dendrochronolc cs, etc.) [] other metho	chaeomagnetism		
Latest Period (if any Dating Status:): arbon diagnosti ation, diagnosti .ffiliation: Name(s):	 dendrochronolc cs, etc.) [] other metho	chaeomagnetism		
Latest Period (if any Dating Status:): arbon	 dendrochronolo cs, etc.) [ture types)	other metho	chaeomagnetism		

Roomblock	Yes	Ţ		Unit pueblo measuring 19 x 14m consisting of at least ten to twelve buried rooms.
Depression	Yes	2	2,3	Kiva depressions measuring 6m in diameter. Feature 2 has been disturbed by illegal potting activities which have left an excavated pit in the middle of the feature.
Midden	Yes	1	4	Midden measuring $16 \times 10m$ with a scattering of associated ceramics.
Hearth	Yes	1.	5	Collapsed hearth measuring 1m in diameter consisting of ash-stained soil ringed by oxidized sandstone fragments.

	95. 		14 	

Feature Remarks:

11. REFERENCES

Written Sources of Information: DCRM 2013-55: A Cultural Resources Inventory of Five Proposed Borrow Pits for <u>MWH Global in the NECR Mine Area, McKinley County, New Mexico. Dinetahdoo Cultural Resources</u> <u>Management, Huerfano, NM.</u>

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 & OWNERSHIP
A Number: 177469 (contact ARMS for site registration) Site Name(s): MWH4
Other Site Number(s): Agency Assigning Number: IM-Q-20-61 Navajo Nation
Current Site Owner(s): <u>Private</u> Site Type: <u>Structural</u> Occupation Type: <u>Prehistoric</u>
2. RECORDING INFORMATION
MCRIS Activity No.: <u>128978</u> Field Site Number: <u>MWH4</u> Site Marker? I (specify ID#): <u>IA177469</u> Recorder(s): <u>J. Begay</u>
Agency: <u>Dinetahdoo CRM</u> Recording Date (dd-MMM-yyyy): <u>24-0ct-2013</u> Site Accessibility (choose one): Accessible buried (sterile overburden) flooded urbanized not accessible Surface Visibility (% visible; choose one): 0% flooded 26-50% 51-75% A 76-99% flooded Remarks:
Recording Activities: Sketch mapping Image: mapping (e.g., total station mapping) Image: mapping (e.g., total station mapping) Image: mapping (e.g., total station mapping) Image: mapping surface collection (controlled or uncontrolled) Image: mapping test excavation Image: mapping surface collection (controlled or uncontrolled) Image: mapping test excavation Image: mapping surface collection (controlled or uncontrolled) Image: mapping test excavation Image: mapping surface collection (controlled or uncontrolled) Image: mapping test excavation Image: mapping surface collection (controlled or uncontrolled) Image: mapping test excavation Image: mapping surface collection (controlled or uncontrolled) Image: mapping test excavation (data recovery) Image: mapping surface collection (controlled) Image: mapping test excavation (data recovery) Image: mapping surface collection (controlled) Image: mapping test excavation (data recovery) Image: mapping surface collection (controlled) Image: mapping test excavation (data recovery) Image: mapping surface collection (controlled) Image: mapping test excavation (data recovery) Image: mapping surface collection (controlled) Image: mapping test excavation (data recovery) Image: mapping surface collection (controlled) Image: mapping test excavation (data recovery) Image: mapping su
Description of Analysis or Excavation Activities: Feature measurement and identification, ceramic identification, it is analyzed in field; no excavation.
Photographic Documentation: color digital images 2 site overviews
Surface Collections (choose one): Image: Collection in surface collection Image: Im
Accords Inventory: Image: Site location map Image: Content map (s) Ima
epository for Original Records: <u>Dinetahdoo</u> CRM epository for Collected Artifacts:
3. CONDITION
rchaeological Status: surface collection test excavation partial excavation complete excavation isturbance Sources: wind erosion water erosion bioturbation construction/land development other source (specify): andalism: defaced glyphs andalism: defaced glyphs
Image: mechanical excavation in the vandalism (specify):
ercentage of Site Intact (choose one):

35

4. RECOMMENDATIONS (for Performer)	Recorder use o	nly)	1	
Applicable Criteria: 🗌 (a)	⊠ eligible (c) (d)	🗌 not eligible	not sure	
Basis for Recommendation: Site can provide da	ta regarding th	na prehistoric A	Anasazi PI-PII occupat	tion,
settlement patterns, subsistence strategie Assessment of Project Impact: Site will be exte				le region.
Treatment Recommendations: Avoidance				
5. SHPO CONSULTATIONS (for SHPO a	nd Sponsor use	only)		
Sponsor NR Determination: eligible not eligible	and the second s		teria: □(a) □(b) □(c	c) [] (d)
Sponsor Staff: Date (dd-MMM-yy	/yy):			.,
Sponsor Remarks:	day	month	jar	
		f		
	E			
	_			
SHPO NR Concurrence: eligible not eligible				
HPD Staff: Date (dd-MMM-yy	The second se	. 김정한 영화 전		
Register Status: 🗌 listed on National Register 🔲 listed	d on State Register	formal determina	tion of eligibility	
State Register No.: SHPO Remarks:				
SHPO Remarks:				
9				
2				
6. LOCATION				
Source Graphics:				
🖾 USGS 7.5' (1:24,000) topo maps	rectified ac	rial photos [Scale: _]	
cther topo maps [Scale:]	unrectified aerial ph	otos [Scale:]		
GPS unit GPS accuracy (choose	se one): 🔲 < 1.0 r	n 🗌 1-10 m 🔲 1	10-100 m 🔲 >100 m	
other source (describe):				
JTM Coordinates (@ center of site; at least one set of co	ordinates required):			
Map-based Coordinates Datum: NAD83 Zone:				
GPS-based Coordinates Datum: NAD83 Zone:				
Directions to Site:		nigaway R-O-W7		
fown (if in city limits): State: <u>мм</u> County: мокі.				
JSGS Quadrangle Name		Date	USGS Code	
	2			

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PLSS Meridian	Unplatted	Township	Range	Section	1/4 Sections	Protracted?
New Mexico						
New Mexico		т	R			
New Mexico			R			
New Mexico	<u> 17 - 17</u>	т	R			
					· · · · · · · · · · · · · · · · · · ·	
7. PHYS	ICAL DESCR	IPTION				
Site Dimension	ns: <u>43</u> x <u>31</u> m	eters Basis for Di	mensions (choose	e one): 🗌 e	stimated 🛛 🖾 measured	
		for Area (choose one):			Elevation: 6973 feet	
	10. SA	noose one): 🛛 Yes				
			2011년 전에 이상 이 이상 이 에너지 가지 않았다 이상 이		odern features or ground d	isturbance
	5 5.03V	opographic features			3	
1		성실 전 및 200 M - 107 M C. 202 M C C C C C C C C C C C C C C C C C C] aeolian 🛛 🗍 coll	uvial 🔲 resid	ual 🔲 no deposition (on	bedrock)
	er process (desci					
		ological Deposits (ch	the second se			
	subsurface depos		surface deposits p	resent 🛛 si	tratified subsurface deposit	s present
Estimated Dep	th of Deposits:	Im				
Basis for Depth	n Determination	s: 🛛 estimated 🛛 s	shovel/trowel tests	core/auge	r tests 🔲 excavations	
🗌 road	d or arroyo cuts	rodent burrows	other observation	ons (describe):	Illegal excavation p	its
Observations of	n Subsurface A	rcheological Deposit	s:			
Local Vegetatio	on (list species in	decreasing order of de	ominance):			
Overste	OFY: <u>Pinyon pi</u>	ne, juniper	602 El			
Unders	tory: sagebrus	h, snakeweed, gra	ma grass, rab	bitbrush, p	cickly pear cacti.	8 (8 5
Vegetation Con	nmunity (choose	one or two): 🔲 forest	🖾 woodland 🛛	grassland] scrubland 🔲 desert scru	ıbland 🔲 marshland
🗋 othe	er community (sp	ecify):				
Topographic Lo	ocation:	bench	🔲 dune		low rise	🛛 ridge
🔲 alluv	<i>i</i> al fan	blowout	☐ flood pl	ain/valley	mesa/butte	rockshelter
🗋 arro	yo/wash	🗌 canyon rim	foothill/	mountain front	🔲 mountain	Saddle
🗌 badl	ands	🗋 cave	🛛 hill slop	e	🔲 open canyon floor	🗌 talus slope
🗌 base	e of cliff	Cliff/scarp/bluff	🗖 hill top		🗋 plain/flat	☐ terrace
🗌 base	e of talus slope	constricted cany	on 🛛 🗍 lava flo	w (malpais)	🗖 playa	
🔲 othe	r location (descri	be):			24 - 39 W	85
Observations o	n Site Setting: s	ite is located of	n the north sl	ope of an u	nnamed east to west	oriented ridge.

8. ASSEMBLAGE DATA

						20000-000	
Assemblage Content (all components):	Prehiste	oric Ceram	ics			Other Artifa	icts and Materials:
Lithics:		whole	ceramic	vessels			bone tools
Iithic debitage		🛛 diagno	ostic cera	imics			faunal remains
Chipped-stone tools		⊠ other	orehistori	c ceramic	CS		macrobotanical remains
diagnostic projectile points	Historic	Artifacts:					perishable artifacts
non-local lithic material		diagno	ostic glas	s artifacts	3		ornaments
── ⊠ stone-tool manufacturing items		other g	alass arti	facts			figurines
(cores, hammerstones, etc.)		diagno			S		mineral specimens
ground-stone tools		☐ other r					architectural stone
☐ other stone tools		whole					burned adobe
		diagno			2		fire-cracked rock/burned caliche
		☐ other h				_	
Other items (specify):							
Assemblage Size (all components):	<u>.</u>		- estima	ted freque	ency —		
artifact class	0	1s	10s	100s	1000s	>10,000	*Counts (if <100)
lithic artifacts (choose one) (include debitage)							
prehistoric ceramics (choose one)	: 🗆			\boxtimes			(ماند بر جس ر
historic artifacts (choose one)				·			<u>0</u>
total assemblage size (choose one):				\boxtimes			
Dating Potential:	🗌 den	drochronolo	ogy	🛛 arch	neomagnet	lism [obsidian hydration
🛛 relative techniques (e.g. seriation, o	liagnosti	ics, etc.)] ot	her metho	ods (specit	fy):	2 11 2
Assemblage Remarks: 200+ ceramic she whites, Chaco and Coolidge of							
red ware sherds too small to							
representing all stages of r Zuni Spotted, grey, and white							
fragments were also observed							
altered rock.				10			
9. CULTURAL/TEMPORAL AFFI	IATIO	NS	2				
TOTAL NUMBER OF COMPONENTS DEFINE	D: <u>1</u>						
COMPONENT #1 (EARLIEST)						E	
Cultural Affiliation: Anasazi Prehistoric						×.	10
Basis for Temporal Affiliations (choose one):		not applica					metric data or historic records
Associated diagnostic artifact or feature type						-	or archeological experience
*Period of Occupation: (*see NMCRIS Guide	lines foi I Name	r valid perio	ods, deta	uit occup	ation dates	221	
· ••••••••••••••••••••••••••••••••••••						Begin Da	ate End Date
Earliest Period: <u>Pueb1</u>						700 A	D 1100 AD
Latest Period (if any): Puebl			_		157		
The second		ronology		chaeoma			lian hydration
⊠ relative techniques (e.g. seriation, d Basis for Cultural/Temporal Affiliation: Habi	1.20	560 5			diagnos	· · · · · · · · · · · · · · · · · · ·	res and artifacts
Basis for Guidelair Emporal Annation. Rabi	LALLOIT	STCS MT	ou comp	orarry	dragn08	LLG LEALU	· - NMCRIS 2000 vers. 1/00
				28		12	NUNDING 2000 VEIS, 1/00

Component Type: Multiple residence	
Remarks: Habitation site with residential structure and associate	d features.
*Associated Phase/Complex Name(s):	
	2
COMPONENT #2	
Cultural Affiliation:	
Basis for Temporal Affiliations (choose one): 🗌 not applicable 🗌 based on associa	ted chronometric data or historic records
associated diagnostic artifact or feature types	blage data or archeological experience
*Period of Occupation: (*see NMCRIS Guidelines for valid periods, default occupation dates,	and phase/complex names)
Period Name	Begin Date End Date
Earliest Period:	
Latest Period (if any):	······
Dating Status: I radiocarbon I dendrochronology I archaeomagnetism	obsidian hydration
□ relative techniques (e.g. seriation, diagnostics, etc.) □ other methods (specify):	· · ·
Basis for Cultural/Temporal Affiliation:	
Component Type:	
Remarks:	
*Associated Phase/Complex Name(s):	а 1

10. FEATURE DATA

(see NMCRIS User's guide for a list of valid feature types)

Feature Type	Reliable ID ?	# Observed	Assoc. Comp. #s	Feature ID, Notes
Roomblock	Yes	1	1	A disturbed roomblock measuring 19 x 11m with two walls exposed in a bulldozer cut.
Midden	Yes	1	2	A midden measuring 9 x 5m that has also been impacted by the bulldozer cut
· · · · · · · · · · · · · · · · · · ·				
		2		

Feature Remarks:

11. REFERENCES

Written Sources of Information: DCRM 2013-55: A Cultural Resources Inventory of Five Proposed Borrow Fits for MWH Global in the NECR Mine Area, McKinley County, New Mexico. Dinetahdoo Cultural Resources Management, Huerfano, NM.

Additional Sources of Information:

LA 177,469

12. NARRATIVE DESCRIPTION

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

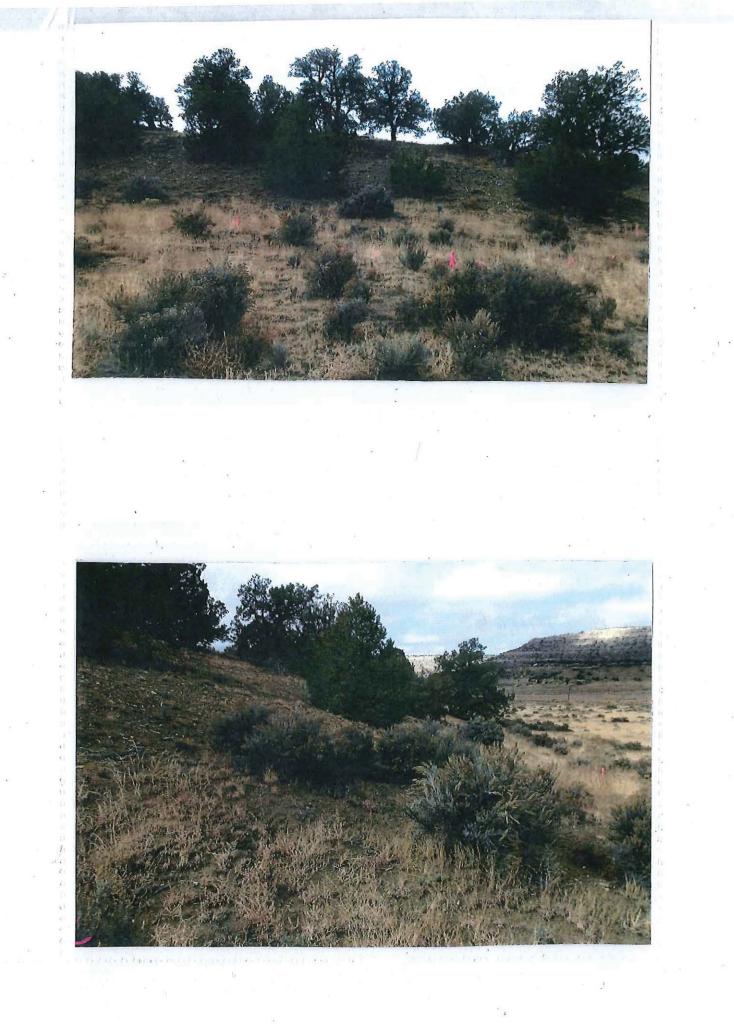
Feature 1 is a disturbed roomblock measuring 19 x 11m and consisting of scattered sandstone slabs and blocks and two walls exposed in a bulldozer cut. Both walls consist of unshaped sandstone slabs and blocks set in mud mortar, three courses high. The cut extends 1.5m below the surface at its deepest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

13. SITE RECORD ATTACHMENTS

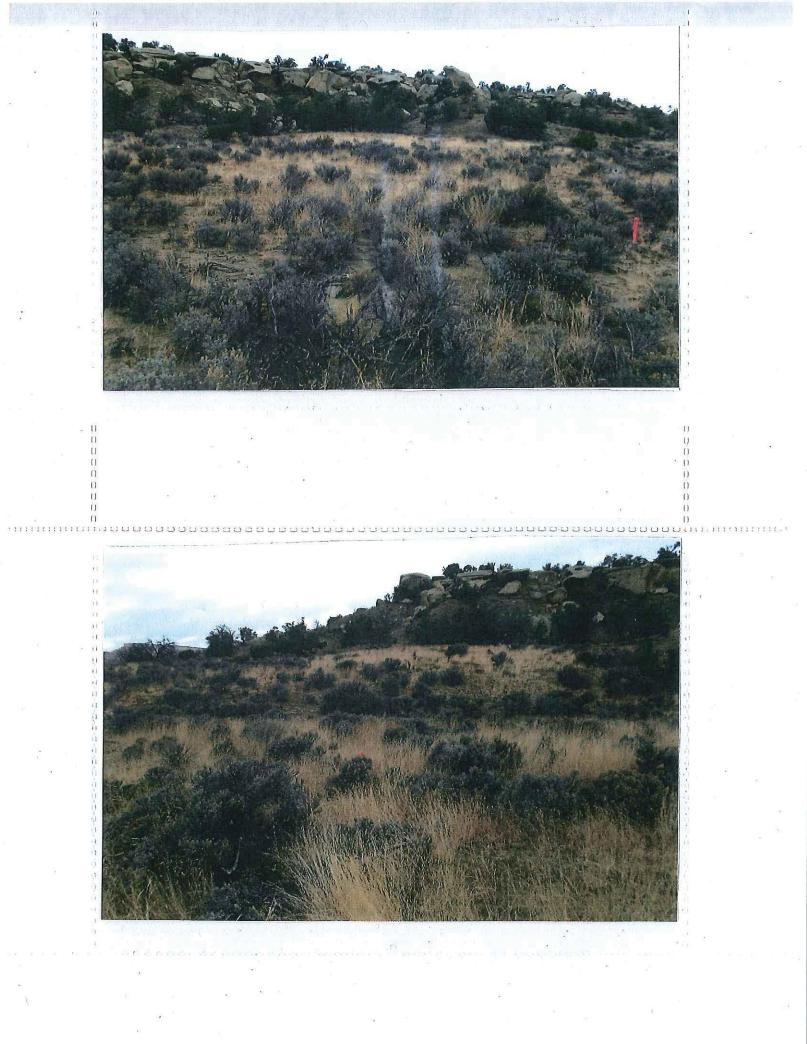
i site location map (USGS 7.5' topo; required) is sketch map or site plan (required) in continuation forms? ☐ other materials (itemize): _____



LA 177466 Looking South

LA 177466 Looking East

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LA 177467 Looking North

LA 177467 Looking West





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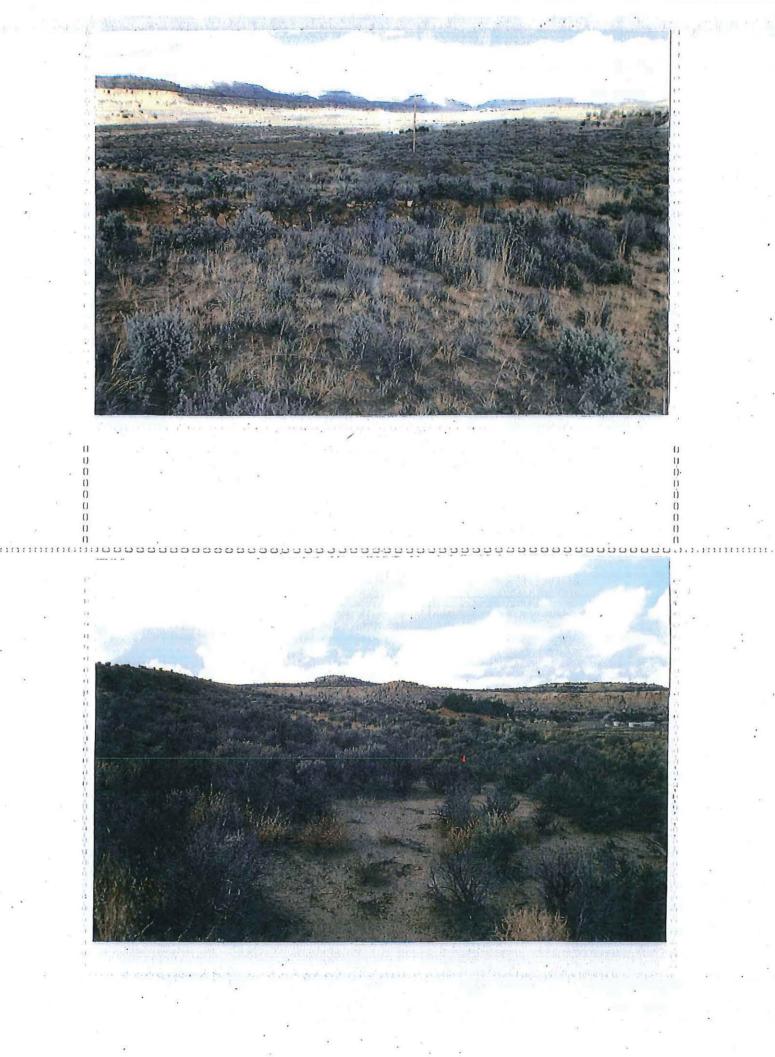
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LA 177468 Looking North

LA 177468 Looking West



LA 177469 Looking North



LA 177469 Looking West