

**Attachment 2**

**Site Reports**

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Three Rivers Petroglyph National Historic Site  
LOCATION: Otero Co., NM  
SITE OWNED BY: Bureau of Land Management  
ACCESS AUTHORIZED BY: Public access, fee paid  
SITE VISIT DATE: 6/14/00  
BY: A. Kuhn, K. Lickliter, S. Casey

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Porphyritic Andesite

AGE(S) OF PETROGLYPHS: Mogollon

INSCRIPTION TYPE OR METHOD: Pecked, some scraped

INSCRIBED SURFACE ASPECT

DIRECTIONS: All directions, mostly south and southwest

INCLINATIONS: 70 degrees to vertical

ROCK SURFACE FORM: Varies widely from flat to curved, moderately smooth-to-rough

INSCRIPTION GROOVE FORM

WIDTHS: 3-20mm

DEPTHS: <2mm, most <1mm

WEATHERING: Rock surfaces patinated, petroglyphs not repatinated.

PHOTOS:	#	Description
	ThreeR~1	Assortment of superimposed figures including Aztec-like geometrics and a rabbit.
	ThreeR~2	Images on adjacent boulders including representational fish, footprint, and circle with cross.
	ThreeR~3	Concentric circles surrounded by dots; this figure appears many places.
	ThreeR~4	Geometric patterns of multiple ages; pole pointing to oldest partly repatinated figure.

NOTES: This andesite has large (5-15mm) mafic phenocrysts that cause some of the

narrower inscriptions grooves to be partially obscured. The petroglyphs were made by pecking or scraping only deep enough to break through the patina. There are at least two generations of petroglyphs here, as shown by the superposition of petroglyphs. This site has suffered some vandalism in the form of recent scratching of petroglyph images.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Black Mesa  
LOCATION: Doña Ana Co., NM  
SITE OWNED BY: Stahmann Farms  
ACCESS AUTHORIZED BY: Dave Lowry, Stahmann Farms  
SITE VISIT DATE: 5/30/00, 6/2/00  
BY: A. Kuhn, K. Lickliter

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MONUMENT DESCRIPTION: Petroglyph  
ROCK DESCRIPTION: Basalt  
AGE(S) OF PETROGLYPHS: Archaic, Mogollon  
INSCRIPTION TYPE OR METHOD: Scraped, some pecked

INSCRIBED SURFACE ASPECT

DIRECTIONS: Mostly north, east, and southeast  
INCLINATIONS: 80 degrees to vertical

ROCK SURFACE FORM: Mostly wavy and smooth, some rough

INSCRIPTION GROOVE FORM

WIDTHS: 5-30mm  
DEPTHS: <1mm

WEATHERING: All old rock surfaces heavily repatinated, no apparent chemical weathering of the basalt minerals.

PHOTOS:	#	Description
	BlackM1	Mogollon spirit figure on wavy surface.
	BlackM2	Archaic geometric barely visible on boulder face.
	BlackM3	Zigzag line partly repatinated.
	BlackM4	Barely visible images on boulders.
	BlackM5	Archaic image obscured by patina and shadow.
	BlackM6	Sunburst pattern on surface partly broken by spalling.
	BlackM7	Same as BlackM6.
	BlackM8	Totally repatinated image left of pencil point.

BlackM9	Zigzag pattern in shadow on boulder.
BlackM10	Very faint group of images to left of pointer.
BlackM11	Same as BlackM10.
BlackM12	Centipede image.
BlackM13	Same as BlackM12.
BlackM14	Orthogonal line pattern on curved rock face below shadow, heavily repatinated.
BlackM15	Orthogonal line pattern, repatinated, below and to right of pencil.
BlackM16	Rock face with partially repatinated zigzag lines and unpatinated scratches made by earthmoving equipment.

NOTES: This site is on Stahlmann Farms property at the foot of the east slope of Black Mesa. The petroglyphs are scattered among boulders at the foot of the slope, with heavy vegetation in many places obscuring the petroglyphs. The heavy patination makes most images difficult to see and even more difficult to photograph. All images are very shallow, made by scraping the surface which is patinated to a dark gray-black color. Some of the petroglyphs are pecked but have not broken through the patina completely. The unpatinated color of the rock is a medium-to-dark gray, so the patination does not produce a strong color contrast, which also makes many petroglyphs difficult to see.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: City of Rocks State Park  
LOCATION: Luna Co., NM  
SITE OWNED BY: State of New Mexico  
ACCESS AUTHORIZED BY: Brian Pender  
SITE VISIT DATE: 6/2/00  
BY: A. Kuhn, K. Lickliter

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Rhyolitic Welded Tuff

AGE(S) OF PETROGLYPHS: Mogollon

INSCRIPTION TYPE OR METHOD: Scraped

INSCRIBED SURFACE ASPECT

DIRECTIONS: (see note)

INCLINATIONS: Overhang surface

ROCK SURFACE FORM: Smooth, planar

INSCRIPTION GROOVE FORM

WIDTHS: 10mm

DEPTHS: <2mm

WEATHERING: Rock surface mostly patinated, petroglyph not repatinated

PHOTOS:	#	Description
	Cityroc1	Unidentifiable image looking like an abstract hand or tree form.
	Cityroc2	Same as Cityroc1.
	Cityroc3	Same as Cityroc1&2 using flash.
	Cityrock4	Picture of rock surface showing three different levels of patination; pencil in right hand points to most recent, ruler points to intermediate age, darks areas have oldest patina.

NOTES: This site contains several pictographs but only one petroglyph, which is inscribed on an overhanging surface in a relatively sheltered location. Patterns of patination are informative; at least three ages or levels are present.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Conchas Lake State Park  
LOCATION: San Miguel CO., NM  
SITE OWNED BY: State of New Mexico  
ACCESS AUTHORIZED BY: Park Superintendent  
SITE VISIT DATE: 6/15/00  
BY: A. Kuhn, K. Lickliter

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Sandstone

AGE(S) OF PETROGLYPHS: Archaic, some Anasazi

INSCRIPTION TYPE OR METHOD: Pecked

**INSCRIBED SURFACE ASPECT**

DIRECTIONS: West to south, one horizontal surface

INCLINATIONS: Vertical

ROCK SURFACE FORM: Curved, moderately rough; also one planar surface; horizontal surface is wavy

**INSCRIPTION GROOVE FORM**

WIDTHS: Up to 30mm

DEPTHS: 1-5mm

WEATHERING: Some surfaces are patinated; others appear to be unweathered. Some petroglyphs are repatinated.

PHOTOS:	#	Description
	Conchas1	Vertical face with concentric circles, comb patterns partly repatinated.
	Conchas2	Partly repatinated dots, more recent curved line not repatinated.
	Conchas3	Repatinated geometric figure, with fresh rock break to right.
	Conchas4	Same as Conchas1.

- Conchas5 Panel of geometric images partially repatinated except for more recent wavy line at right; high water indicated by top of grayish zone at bottom of photo.
- Conchas6 Same view as Conchas5 shifted to the right.
- Conchas7 Distant view of images in Conchas5&6.
- Conchas8 Distant view of images just above high water mark.

NOTES: The south-facing petroglyph panel is fully repatinated. Patterns are all abstract geometrics except for one quadraped. Dominant patterns are concentric circles, diamonds cross patterns, wavy lines, dots, and parallel lines. Also, one animal form with pincers and one antlered head are probably Anasazi age. Some of the petroglyphs are below the high water line of the lake and are partially obscured with deposits from the lake water.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Cornudas Mountain  
LOCATION: Doña Ana Co., NM  
SITE OWNED BY: Stahmann Farms  
ACCESS AUTHORIZED BY: Dave Lowry, Stahmann Farms  
SITE VISIT DATE: 5/30/00, 6/2/00  
BY: A. Kuhn, K. Lickliter

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Basalt

AGE(S) OF PETROGLYPHS: Archaic, Mogollon

INSCRIPTION TYPE OR METHOD: Scraped, Pecked

**INSCRIBED SURFACE ASPECT**

DIRECTIONS: East, South and Southwest

INCLINATIONS: 60 degrees to vertical

ROCK SURFACE FORM: Smooth

**INSCRIPTION GROOVE FORM**

WIDTHS: 5-80mm

DEPTHS: <2mm

WEATHERING: Older rock surfaces patinated to about 2mm. Extensive exfoliation in layers 2-10mm.

PHOTOS:	#	Description
	Cornud1	East-facing panel with Archaic and Mogollon images scraped and pecked through patina.
	Cornud2	Closeup of Cornud1 location, showing Archaic geometrics surrounded by Mogollon anthropomorphs.
	Cornud3	Southwest-facing surface with images partly lost to exfoliation.
	Cornud4	East-facing panel with several generations of images.
	Cornud5	Chain pattern on surface substantially exfoliated.
	Cornud6	Archaic pattern of parallel zigzag lines on partly exfoliated surface.

Cornud7 Panel of mixed images, mostly Archaic geometrics.  
Cornud8 Same as Cornud7.  
Cornud9&10 Pictographs.

NOTES: This site has extensive petroglyphs of both Archaic and Jornada (Mogollon) age, mostly scraped, some pecked, through a 2mm patina layer. Extensive exfoliation affects rock surface to depths of 5-10mm. All Jornada and older petroglyphs are at least partially repatinated. This site is exposed to the south quadrants, sheltered from the north quadrants. Phenocrysts of nepheline (?) appear to control the depth of exfoliation.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Eby Ranch  
LOCATION: Faywood, NM  
SITE OWNED BY: Larry Eby  
ACCESS AUTHORIZED BY: Larry Eby  
SITE VISIT DATE: 6/1/00  
BY: A. Kuhn, K. Lickliter

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Rhyolitic Welded Tuff

AGE(S) OF PETROGLYPHS: Archaic, Mogollon, maybe some Apache, recent

INSCRIPTION TYPE OR METHOD: Pecked

**INSCRIBED SURFACE ASPECT**

DIRECTIONS: Northwest to southwest

INCLINATIONS: 45 degrees to vertical

ROCK SURFACE FORM: Wavy, smooth to rough

**INSCRIPTION GROOVE FORM**

WIDTHS: 2-80mm

DEPTHS: Most <2mm, some up to 5mm

WEATHERING: Old rock surfaces heavily patinated, some petroglyphs completely repatinated.

PHOTOS:	#	Description
	EBY1	Concentric circles completely repatinated on wavy rough surface.
	EBY2	Hand patterns, one partly repatinated, on wavy surface.
	EBY3	Spirit form on rough, partially fractured surface.
	EBY4	Recent image of house on wavy rough surface.
	EBY5	Recent house image in lower right, recent donkey in center, and repatinated circle pattern in upper left, showing contrast in appearance of very old vs. recent inscriptions.
	EBY6	Partially repatinated geometric image.

- EBY7 Pencil and pole point to limits of large circle with horizontal line, partially repatinated, with lichen growth.
- EBY8 Intricate diamond pattern, repatinated, with some lichen growth.
- EBY9 Wider view of EBY8 image, with recent inscription to left.
- EBY10 Rough patinated surface with extensive scaling of patinated surface; pinwheel and other geometric patterns.
- EBY11 Anthropomorph to right of pencil, mostly repatinated.
- EBY12 Repatinated circle with cross right of pencil.
- EBY13 Repatinated concentric circles right of pencil and above pencil.

NOTES: This site is on private property at the crest of a low hill capped by the welded tuff. Petroglyphs face primarily toward the western quadrants and are fully exposed to sun, wind and rain from that direction. The Archaic images and some of the Mogollon images are completely repatinated; some Mogollon images are partly repatinated. Patina development is apparently more uniform here than at other sites with the same kind of rock. Recent images were apparently made by local school children within the last 50 years.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: El Morro National Monument  
LOCATION: Cibola Co., NM  
SITE OWNED BY: National Park Service  
ACCESS AUTHORIZED BY: Public access, fee paid  
SITE VISIT DATE: 6/13/00  
BY: A. Kuhn, K. Lickliter, S. Casey

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Sandstone

AGE(S) OF PETROGLYPHS: Anasazi to recent

INSCRIPTION TYPE OR METHOD: Chiseled, pecked

INSCRIBED SURFACE ASPECT

DIRECTIONS: East, south, west, most north

INCLINATIONS: Vertical

ROCK SURFACE FORM: Planar, smooth-to-rough

INSCRIPTION GROOVE FORM

WIDTHS: Various, up to 50mm

DEPTHS: Generally 3-10mm, some larger

WEATHERING: Repatinated completely on oldest petroglyphs. No repatination on historic age inscriptions. Some spalling. Lichens only on oldest petroglyph surfaces.

PHOTOS:	#	Description
	ElMorro1	Patinated surface with fully-repatinated images of hands, quadrapeds, anthropomorphs.
	ElMorro2	Line of mountain goats on unpatinated surface.
	ElMorro3	Panel of unweathered surface with many quadraped forms.
	ElMorro4	Zigzag pattern in unweathered surface.
	ElMorro5	Same as ElMorro4.
	ElMorro6	Concentric circles left of stick, scraped letters to right.

NOTES: This site has many generations of inscriptions from Anasazi to recent. Anasazi images include pecked handprints, anthropomorphic zigzag patterns, and concentric circles. Some historic age letters have dark gray-to-black lichens in them. The sandstone is very fine-grained and massive, making inscribing relatively easy compared to the other sites surveyed.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Hueco Tanks State Park  
LOCATION: Hudspeth Co., TX  
SITE OWNED BY: State of Texas  
ACCESS AUTHORIZED BY: Public access – fee paid  
SITE VISIT DATE: 5/31/00  
BY: A. Kuhn, K. Lickliter

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Diorite

AGE(S) OF PETROGLYPHS: Mogollon

INSCRIPTION TYPE OR METHOD: Pecked

INSCRIBED SURFACE ASPECT

DIRECTIONS: East, horizontal

INCLINATIONS: 60 degrees to horizontal

ROCK SURFACE FORM: Wavy and smooth

INSCRIPTION GROOVE FORM

WIDTHS: 5-20mm

DEPTHS: <1mm

WEATHERING: Relatively uniform patination of exposed rock surfaces, exfoliation to depths of several mm.

PHOTOS:	#	Description
	Hueco1	Two x-shaped “bird tracks” pecked into patina.
	Hueco2	Images of tracks pecked into patina, with exfoliation at upper right corner.
	Hueco3	Very faint bird tracks pecked into patina, exfoliation visible at top of photo.
	Hueco4	Circle with inscribed cross, exfoliation to upper right.
	Hueco5	Daisy chain of circles and other geometrics superimposed by recent writing; images disrupted by exfoliation at lower right.

Hueco6          Same image as Hueco5.

NOTES:          At this state park there are a few petroglyphs, shown above, and many pictographs not surveyed. The petroglyphs have been pecked into but not through the patina. Exfoliation is gradually removing the inscribed surfaces. Exfoliation layers are 2-5mm thick in most places, locally deeper.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: I-X Ranch  
LOCATION: Lincoln Co., NM  
SITE OWNED BY: State of New Mexico, Bill Stephenson  
ACCESS AUTHORIZED BY: State Land Office, Bill Stephenson  
SITE VISIT DATE: 6/14/00  
BY: A. Kuhn, K. Lickliter, S. Casey

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MONUMENT DESCRIPTION: Petroglyph  
ROCK DESCRIPTION: Porphyritic Andesite  
AGE(S) OF PETROGLYPHS: Archaic, Mogollon  
INSCRIPTION TYPE OR METHOD: Pecked, Scraped

INSCRIBED SURFACE ASPECT  
DIRECTIONS: Mostly south to southwest  
INCLINATIONS: 80 degrees

ROCK SURFACE FORM: Planar, rough

INSCRIPTION GROOVE FORM  
WIDTHS: 5-50mm  
DEPTHS: 1-2mm

WEATHERING: Oldest petroglyphs are fully repatinated. Successive generations partially repatinated. Some lichen growth in inscription grooves.

PHOTOS:	#	Description
	Lincoln1	Multiple images of different ages.
	Lincoln2	Multiple images in rough, broken surface; surface spalling older than images.
	Lincoln3	Older repatinated images with superimposed unrepatinated images.
	Lincoln4	Broken concentric circle pattern, partly repatinated.
	Lincoln5	Multiple images on fractured, partially-spalled surface, older repatinated images predominate.

- Lincoln6 Pencil pointing to Archaic repatinated circle; pole pointing to Archaic cone pattern; more recent spiral pattern at far right shows difference in patination.
- Lincoln7 Totally repatinated concentric circles at left; more recent unrepatinated circles at right.
- Lincoln8 Archaic comb pattern with some lichen growth.
- Lincoln9 Wide angle of Lincoln8, including other comb patterns.
- Lincoln10 Large south-facing panel with multiple images of at least two generations.

NOTES: This site is primarily the dip slope of an andesite dike, with the dip slope containing large panels of multigenerations of petroglyphs. The oldest are fully repatinated Archaic abstract geometrics. Typical Archaic images such as concentric circles, parallel lines, and connected circles are present in at least two generations and may also have been repeated by Mogollon Indians. The large panel faces are fully exposed to the sun and to wind and rain coming from the southern quadrants.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: McNaughton (formerly Simmons) Ranch  
LOCATION: Luna Co., NM  
SITE OWNED BY: McNaughton  
ACCESS AUTHORIZED BY: Russell Baker  
SITE VISIT DATE: 6/1/00  
BY: A. Kuhn, K. Lickliter

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MONUMENT DESCRIPTION: Petroglyph  
ROCK DESCRIPTION: Rhyolite (welded tuff)  
AGE(S) OF PETROGLYPHS: Archaic, Mogollon, Apache, recent  
INSCRIPTION TYPE OR METHOD: Pecked

**INSCRIBED SURFACE ASPECT**

DIRECTIONS: Primarily east to southeast, some southwest and northeast  
INCLINATIONS: 60 degrees to vertical

ROCK SURFACE FORM: Rough wavy-to-curving surfaces

**INSCRIPTION GROOVE FORM**

WIDTHS: 5-40mm  
DEPTHS: Most <1mm, some up to 3mm

WEATHERING: Rock surfaces moderately patinated, some spalling.

PHOTOS:	#	Description
	Luna1-1	Horned lizard on patinated surface, fragment of rock in hand shows color of fresh unpatinated rock.
	Luna1-2	Multiple images, including concentric circles, on southwest-facing surface.
	Luna1-3	Southeast-facing weathered surface with mostly Archaic images including concentric circles, sunbursts, and fishnet patterns.
	Luna1-4	East-facing surface, partially repatinated wavy lines.
	Luna1-5	Panel of mostly Archaic images with recent spray-painted graffiti, facing northeast.

- Luna1-6 Set of wavy parallel lines (Archaic) on curved rough surface, with other abstract and animal images nearby.
- Luna1-7 Chain pattern of circles on patinated but partly eroded surface.
- Luna1-8 Abstract image on east-facing rough surface.
- Luna1-9 Panel with geometric abstractions, concentric circles at end of pointer, largely obscured by surface roughness.
- Luna1-10 Archaic concentric circles and diamond patterns.
- Luna1-11 Archaic wavy parallel lines on rough surface.

NOTES: This site contains both Archaic and Mogollon petroglyphs. The texture of the rhyolitic welded tuff makes some of the images difficult to see because the depth of inscription is less than the amplitude of surface roughness. Some vandalism has occurred recently. Pictures show that the rock is somewhat vuggy in places, making the rock more porous than it is in neighboring locations. The surfaces with petroglyphs are oriented in many different directions and seem to have no clear differences in degree of patination or amount of weathering; also no distinction in preservation of the petroglyphs based on aspect.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Frying Pan Canyon  
LOCATION: Luna Co., NM  
SITE OWNED BY: Bureau of Land Management  
ACCESS AUTHORIZED BY: Sara Schlanger  
SITE VISIT DATE: 6/1/00  
BY: A. Kuhn, K. Lickliter

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Sandstone

AGE(S) OF PETROGLYPHS: Archaic, Mogollon

INSCRIPTION TYPE OR METHOD: Pecked

**INSCRIBED SURFACE ASPECT**

DIRECTIONS: Northeast, southeast, south-to-west

INCLINATIONS: 30 degrees to vertical, horizontal, some overhangs

ROCK SURFACE FORM: Mostly planar and rough, some curved

**INSCRIPTION GROOVE FORM**

WIDTHS: 10-15mm

DEPTHS: 2mm

WEATHERING: Rock surfaces heavily patinated, some spalling.

PHOTOS:	#	Description
	Luna2-1	Has relief cross forms through patina, not repatinated.
	Luna2-2	Wolf tracks pecked through patina, on heavily fractured surface.
	Luna2-3	Concentric circles in pinwheel form on rough surface.
	Luna2-4	Archaic diagonal network, linked circles and comb forms overlain by Mogollon human footprints and other life forms on rough curved surface (note spall of rock left of pointer).
	Luna2-5	Starburst and other geometrics on rough fractured surface.
	Luna2-6	Concentric circles on horizontal surface, slightly repatinated.
	Luna2-7	Southeast-facing rough fractured surface with animal forms.

- Luna2-8 Flat surface, rough and fractured, with Archaic and Mogollon images.
- Luna2-9 Archaic cross form, Mogollon footprints and bird tracks, on rough surface.
- Luna2-10 Ghost image on rough horizontal surface.
- Luna2-11 Mogollon images on remnant patinated surface surrounded by spalled and scoured surfaces.

NOTES: Site is located on the west slope of Frying Pan Canyon just north of an old stock tank dam. Petroglyphs are on intact rock outcrops and boulders of a hard ferruginous sandstone. All surfaces are relatively rough and fractured. Many petroglyphs on horizontal surfaces on the tops of boulders and outcrops. A combination of Archaic abstract geometrics, with Mogollon images of footprints, animals, anthropomorphs. Very few images are completely repatinated, but many are partially repatinated, especially Archaic images.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Mystery Stone  
LOCATION: Valencia CO., NM  
SITE OWNED BY: State of New Mexico  
ACCESS AUTHORIZED BY: State Land Office  
SITE VISIT DATE: 6/13/00  
BY: A. Kuhn, K. Lickliter, S. Casey

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MONUMENT DESCRIPTION: Petroglyph  
ROCK DESCRIPTION: Andesite  
AGE(S) OF PETROGLYPHS: Anasazi, recent  
INSCRIPTION TYPE OR METHOD: Pecked, chiseled

**INSCRIBED SURFACE ASPECT**

DIRECTIONS: Northwest to northeast  
INCLINATIONS: 10 degrees past vertical for Mystery Stone, 60-80 degrees elsewhere

ROCK SURFACE FORM: Wavy to planar, and smooth

**INSCRIPTION GROOVE FORM**

WIDTHS: Mystery Stone: V-shaped grooves 3-5mm at top  
Others: 10-40mm  
DEPTHS: Mystery Stone: 1-2mm  
Others: <1mm

WEATHERING: Mystery Stone face slightly patinated, inscriptions unpatinated. Anasazi petroglyphs slightly repatinated.

PHOTOS:	#	Description
	Mystery1	The "Mystery Stone" inscription.
	Mystery2	Quadrapped with long tail on patinated surface with fragments of other images next to recent breaks in the rock surface.
	Mystery3	Crude face on patinated surface.

NOTES: The Mystery Stone has V-shaped grooves with sharply-defined sides and edges, and some rock dust can still be seen in the bottoms of the grooves. This inscription was obviously made with a metallic tool and, therefore, can't be older than historic age or not more than 400 years. The other petroglyphs in the vicinity are crudely done and penetrate only into the patina. These are consistent with Anasazi and older petroglyphs surveyed elsewhere.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Petroglyph National Monument  
LOCATION Albuquerque, NM  
SITE OWNED BY: National Park Service  
ACCESS AUTHORIZED BY: Public access  
SITE VISIT DATE: 6/12/00  
BY: A. Kuhn, K. Lickliter, S. Casey

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Basalt

AGE(S) OF PETROGLYPHS: Archaic, Anasazi

INSCRIPTION TYPE OR METHOD: Pecked, scraped

**INSCRIBED SURFACE ASPECT**

DIRECTIONS: Mostly south and southeast, some northwest

INCLINATIONS: 45 degrees to vertical

ROCK SURFACE FORM: Planar to curved, mostly rough, some smooth

**INSCRIPTION GROOVE FORM**

WIDTHS: Mostly 3-30mm, one image 40-110mm

DEPTHS: Most <1mm, none >2mm

WEATHERING: Natural rock surfaces extensively patinated. Petroglyphs unpatinated to partially repatinated.

PHOTOS:	#	Description
	PETRNM1	Various geometric images on a curved, rough surface.
	PETRNM2	Partially repatinated images on a rough surface.
	PETRNM3	Circles scraped partly through the patina on a curved surface.
	PETRNM4	Same as #3.
	PETRNM5	Abstract images on a rough, curved surface, partially repatinated.
	PETRNM6	Same as #5.
	PETRNM7	Large geometric pattern between walking stick and scale obscured by repatination and light reflection.

- PETRNM8 Rough surface obscuring repatinated image.
- PETRNM9 Surface with variable texture and random line images with wedge-shaped piece spalled from surface.
- PETRNM10 Image partially broken through patina surface.
- PETRNM11 Circle with tree partially obscured by reflected sunlight.
- PETRNM12 Various images pecked through patina on uneven surface.
- PETRNM13 Closeup of cross form in previous photo.
- PETRNM14 Geometric image partially repatinated.

NOTES: Petroglyphs at this site, a side canyon of the Monument, are described by park personnel as being “a couple thousand years old.” The petroglyphs occur among scattered boulders in a narrow canyon. The level of exposure of the petroglyphs varies widely, depending on position in the canyon and orientation. Some of the photographs did not capture the image clearly, due to intense mid-day sunlight. Surfaces here are among the roughest seen at any of the surveyed sites. Several generations of petroglyphs are represented, some clearly Anasazi and others apparently older.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Rowe Mesa Site #1  
LOCATION: San Miguel Co., NM  
SITE OWNED BY: U.S. Forest Service  
ACCESS AUTHORIZED BY: Brent Abel, USFS  
SITE VISIT DATE: 6/16/00  
BY: A. Kuhn, K. Lickliter

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Sandstone

AGE(S) OF PETROGLYPHS: Archaic

INSCRIPTION TYPE OR METHOD: Pecked

**INSCRIBED SURFACE ASPECT**

DIRECTIONS: Horizontal

INCLINATIONS: Horizontal

ROCK SURFACE FORM: Irregular, wavy

**INSCRIPTION GROOVE FORM**

WIDTHS: 2-80mm

DEPTHS: 1-4mm

WEATHERING: All petroglyphs are repatinated. Iron oxide concentrated in fossil crab burrows now form resistant knobs at the surface.

PHOTOS:	#	Description
	Rowe A1	Figure that was half cover by soil (right half, below pencil) and half exposed. Except for soil in grooves of previously covered half, halves are identically preserved.
	Rowe A2	Cluster of petroglyphs previously covered with soil, prior to archeological excavation.
	Rowe A3	Cluster of petroglyphs not previously covered with soil.
	Rowe A4	Cluster of petroglyphs on surface that is part of water course.
	Rowe A5	Concentric circles, right of pencil, heavily repatinated.

NOTES: According to Brent Abel, soil over the petroglyphs is at least 3000 years old. Charcoal at the site has been dated at 5300 years, patina at 5970 years. In the area not previously covered by soil, some petroglyphs are repatinated, some not. Some repatinated petroglyphs have lichen growth. This site has a starburst pattern unlike patterns seen elsewhere. Solstice and equinox marks have been identified here. Site is in an area of P-J woodland with very little surface slope, but a shallow drainage course runs across this site. Most of the ground in the vicinity is soil-covered. Soil cover over the petroglyphs has been partially removed by archeologists to expose some of the buried petroglyphs, one of which was only half-buried by soil prior to excavation. The petroglyph shown in Photo #Rowe 1-1 was covered in the area next to the pencil in the photo, exposed in the other half. Petroglyphs are generally in fair condition.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Rowe Mesa Site #2  
LOCATION: San Miguel Co., NM  
SITE OWNED BY: U.S. Forest Service  
ACCESS AUTHORIZED BY: Brent Abel, USFS  
SITE VISIT DATE: 6/16/00  
BY: A. Kuhn, K. Lickliter

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Sandstone

AGE(S) OF PETROGLYPHS: Archaic

INSCRIPTION TYPE OR METHOD: Pecked

INSCRIBED SURFACE ASPECT

DIRECTIONS: Horizontal

INCLINATIONS: Horizontal

ROCK SURFACE FORM: Knobby, wavy

INSCRIPTION GROOVE FORM

WIDTHS: 10-30mm

DEPTHS: 3-5mm

WEATHERING: All petroglyphs are repatinated. Rock surface is differentially weathered, leaving iron oxide concentrations around fossil crab burrows sticking up. This weathering predates the petroglyphs, as evidenced by the petroglyphs that include the fossil burrows as part of the petroglyph image.

PHOTOS:	#	Description
	Rowe B1	Cluster with "bird tracks", sun burst, wavy lines, circle.
	Rowe B2	Cluster with spiral, orthogonal lines, dendritic patterns extending under soil cover to lower left.
	Rowe B3	Partially eroded petroglyphs with adjacent soil cover.
	Rowe B4	Petroglyph with pencil in one groove, to illustrate depth.
	Rowe B5	Petroglyph grooves across natural knob in rock.

NOTES: This site is similar in most respects to Rowe Mesa #1, except that there is no drainage course. Generally, the condition of the petroglyphs here is slightly poorer than at Rowe Mesa #1. The sandstone was identified by Brent Abel as the Santa Rosa Sandstone of Triassic age. It is well indurated and forms the cap rock of the mesa. The petroglyphs here, as at the nearby Rowe Mesa #1 site, may have been broadened and deepened by erosion or weathering, but the repatinated grooves of the inscriptions show that the weathering/erosion processes have been very slow.

**SITE REPORT**  
**WIPP PERMANENT MARKERS MONUMENT SURVEY**

SITE NAME: Tonuco Mountain  
LOCATION: Doña Ana Co., NM  
SITE OWNED BY: Bureau of Land Management  
ACCESS AUTHORIZED BY: Sara Schlanger  
SITE VISIT DATE: 5/30/00  
BY: A. Kuhn, K. Lickliter

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MONUMENT DESCRIPTION: Petroglyph

ROCK DESCRIPTION: Sandstone

AGE(S) OF PETROGLYPHS: Archaic, Mogollon

INSCRIPTION TYPE OR METHOD: Pecked

INSCRIBED SURFACE ASPECT

DIRECTIONS: All compass points

INCLINATIONS: 20 degrees to vertical

ROCK SURFACE FORM: Flat to wavy, smooth, some fractures

INSCRIPTION GROOVE FORM

WIDTHS: 7-20mm

DEPTHS: 1-5mm

WEATHERING: Old rock surfaces patinated to reddish-brown to steel gray color, mottled together in some places. Extensive growth of chartreuse colored lichens.

PHOTOS:	#	Description
	Tonuco1	Concentric circles partly lost to spalling/erosion, repatinated.
	Tonuco2	Diamond and orthogonal line patterns, partly repatinated.
	Tonuco3	At least two generations of images, Archaic and Mogollon, latter less repatinated than former.
	Tonuco4	Archaic patterns, including one dendritic pattern with lichens.
	Tonuco5	Parallel wavy lines partly repatinated and lichens in grooves.
	Tonuco6	Sunburst and other Archaic patterns, repatinated.
	Tonuco7	Archaic geometrics, partly repatinated.

- Tonuco8      Large boulder with mottled patination, Archaic and Mogollon images.
- Tonuco9      Mogollon head with chartreuse lichens in inscription grooves.

NOTES:      This site is in a steep-walled canyon that runs southeast to northwest. The sandstone cap rock has broken into boulders that line the north slope of the canyon, and the petroglyphs are concentrated on a group of these boulders. The patina varies randomly from reddish-brown to steel gray, with the latter being thicker. Petroglyphs are pecked through the patina to a depth of up to 5mm. The Archaic petroglyphs are mostly completely repatinated, and the Mogollon petroglyphs are at least partly repatinated. Chartreuse lichens are common.