

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
Mining and Minerals Division
1220 St. Francis Dr.
Santa Fe, New Mexico 87505
Telephone: (505) 476-3400

MINING INSPECTION & VEGETATION SURVEY REPORT

Name of Operator:	JH Mining, LLC		
Name of Mine:	Georgetown Mine		
Address:	5070 Mark IV Parkway, Fort Worth, TX 76106		
Permit Number:	GR020RE		
Commodity:	Gold	<input checked="" type="checkbox"/> SURFACE	<input type="checkbox"/> UNDERGROUND
Date of Inspection:	September 28, 2023		
Time of On-Site Inspection:	3:15pm – 4:45pm		
Weather Conditions:	Sunny, ~70°F		
Purpose of Inspection:	Annual & Vegetation Surveys		
Lead Inspector:	Carmen Rose		
Present During Inspection:	<u>MMD</u> : Carmen Rose, Sam Rynas, DJ Ennis, & Kevin Barnes <u>NMDG&F</u> : Ron Kellermueller <u>NMED</u> : David Mercer		
ENFORCEMENT ACTION TAKEN:	None		
NOTICE OF VIOLATION: #	_____	YES: ___	NO: <u>X</u>
CESSATION ORDER:		YES: ___	NO: <u>X</u>
Time: On-Site:	<u>1.5</u>	Permit Review:	<u>1</u>
		Travel:	<u>5</u>
		Report Writing:	<u>1.5</u>
TOTAL INSPECTION TIME:	<u>9</u> HOURS		
NOTE: Georgetown is located north of the Chino pit. Take Forest Road 73 north from State Highway 152. The site is located about 4 miles from the junction of FR 73 and SH 152. Use the Santa Rita Quad. The Georgetown Mine and access road is not visible from Georgetown Road and the access road has a small berm that is difficult to drive over.			

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Georgetown Mine



Figure 1: Reclamation at the Georgetown Mine

PERMIT UPDATE:

The Georgetown Mine was reclaimed in 2003 and reseeded in 2004. Straw wattles were installed in 2006 and some maintenance was done on a channel in 2012. Since Georgetown Mine has passed the 12-year waiting period they are eligible to be released following two consecutive years of vegetation surveys that demonstrate that the site has met the environmental standards in the permit. The purpose of this inspection was to do vegetation surveys and perform a qualitative assessment of the area as a self-sustaining ecosystem. The Georgetown Mine will need to have at a minimum 35% live vegetative canopy cover to be eligible for full financial assurance release. The survey results will also consider cover that is composed of non-weedy, perennial native plants: grasses, forbs, shrubs, and trees and provides for a diverse, stable plant community.



Figure 2. Southwestern pricklypoppy

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INSPECTION NARRATIVE:

Upon arrival, MMD performed a visual assessment of the area for any signs of erosion within the permit area. No signs of erosion were found, though flattened straw wattles largely remained on site. MMD removed some of the rebar stakes and plastic netting from the deteriorated wattles and recommends that the operator remove the remaining plastic netting from the site as it can entrap and kill snakes and lizards.

Prior to the inspection, MMD randomly selected five points from a numbered grid across the area of disturbance (see attached map). Transects began at these points and were oriented in the direction of the next transect. Data was collected using the line-point intercept method, and samples were taken every two feet along each 50-foot transect. Foliar (canopy) cover, soil surface, basal cover, and plant species were recorded at each point. A summary of the results is found in Table 1, below.

	Transect 1	Transect 2	Transect 7	Transect 9	Transect 17	AVERAGE
Foliar Cover	36%	40%	72%	72%	60%	56.0%
Foliar Cover (natives only)	36%	40%	72%	68%	60%	55.2%
bare ground	32%	32%	8%	4%	36%	22.4%
basal cover	4%	0%	20%	36%	36%	19.2%
No. species observed	4	3	1	3	3	2.8

Table 1. Results of 2023 vegetation survey

Overall, the site has acceptable foliar cover, averaging 56% across five transects (55.2% native species foliar cover). Diversity is somewhat low, possibly as a result of active grazing on the site. However, the number of observed species found in Table 2, below, is diverse in terms of plant form and function. Prickly pear and Rocky Mountain juniper have started volunteering into the area, and the site does vary in plant structure across the small area. A list of all identifiable plant species found on site can be found in Table 2.

Georgetown Observed Plant Species List				
Common Name	Scientific Name	Plant Form	Native	Identified in survey?
prickly pear	<i>Opuntia spp.</i>	cactus	yes	no
ragleaf bahia	<i>Amauriopsis dissecta</i>	forb	yes	no
southwestern pricklypoppy	<i>Argemone pleiacantha</i>	forb	yes	no
fetid marigold	<i>Dyssodia papposa</i>	forb	yes	yes
snakeweed	<i>Gutierrezia spp.</i>	forb	yes	yes
yellow sweet clover	<i>Melilotus officinalis</i>	forb	no	no
sawtooth sage	<i>Salvia subincisa</i>	forb	yes	yes
silverleaf nightshade	<i>Solanum elaeagnifolium</i>	forb	yes	no
mullein	<i>Verbascum thapsus</i>	forb	no	no
purple threeawn	<i>Aristida purpurea</i>	grass	yes	yes
yellow bluestem	<i>Bothriochloa ischaemum</i>	grass	no	yes
sideoats grama	<i>Bouteloua curtipendula</i>	grass	yes	yes
blue grama	<i>Bouteloua gracilis</i>	grass	yes	yes
California brickellbush	<i>Brickellia californica</i>	shrub	yes	yes
rubber rabbitbrush	<i>Ericameria nauseosa</i>	shrub	yes	yes
Apache plume	<i>Fallugia paradoxa</i>	shrub	yes	no
alligator juniper	<i>Juniperus deppeana</i>	tree	yes	no
oneseed juniper	<i>Juniperus monosperma</i>	tree	yes	no
Rocky Mountain juniper	<i>Juniperus scopulorum</i>	tree	yes	no
piñon pine	<i>Pinus edulis</i>	tree	yes	no

Table 2. Plant species identified during this inspection and vegetation survey

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PHOTOS:



Figure 3. Transect 1



Figure 4. Transect 9



Figure 5. Horned lizard



Figure 6. Tarantula

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ACTION ITEMS:

None.

MAINTENANCE ITEMS

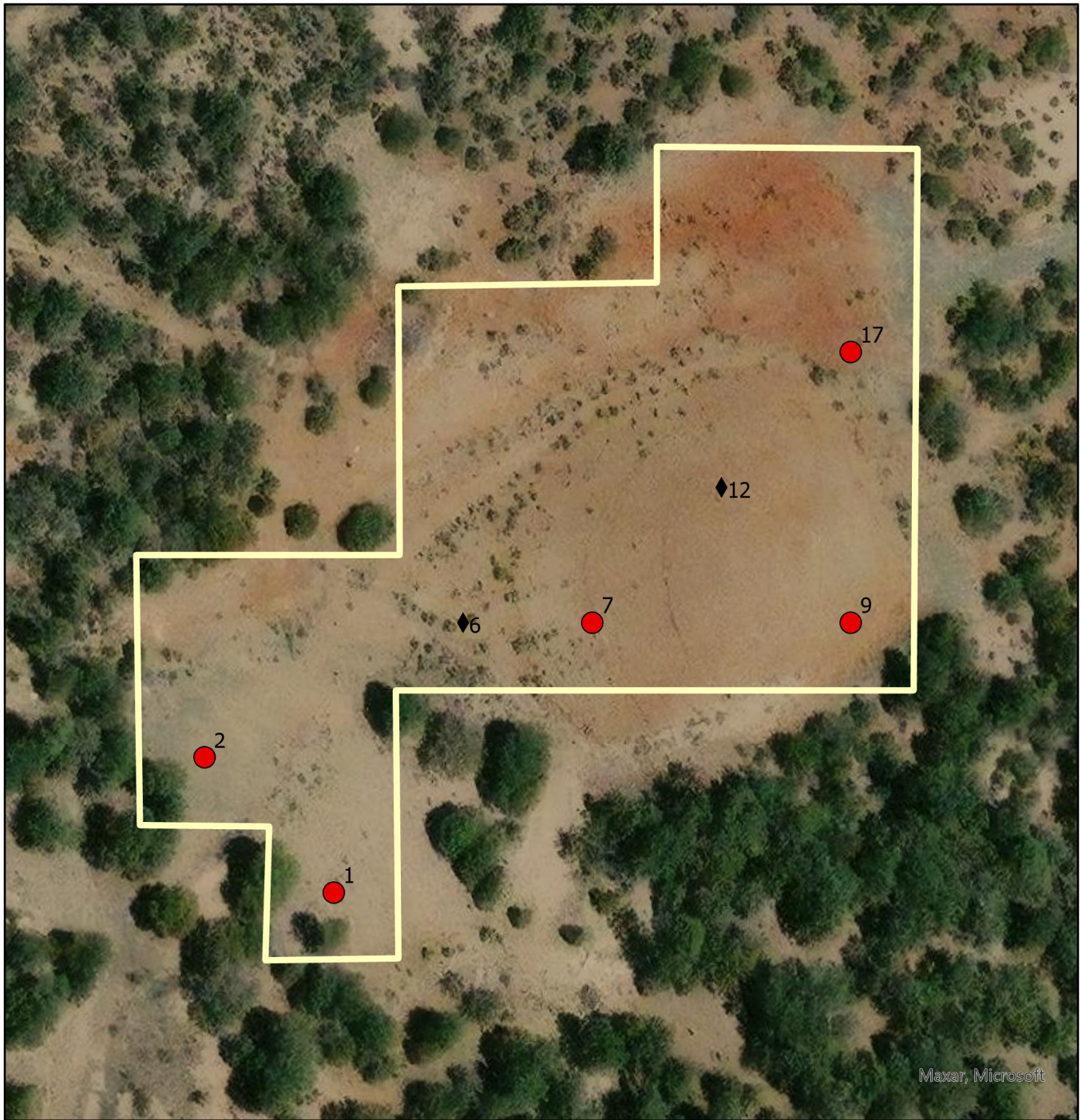
None.

ENFORCEMENT ACTIONS TAKEN OR TO BE CONSIDERED

None.

INSPECTOR'S SIGNATURE:  **DATE:** 11/6/2023

Georgetown Mine (Permit No. GR020RE) 2023 Transect Points



Maxar, Microsoft

0 75 150 300 Feet



Legend

-  Georgetown Disturbance
-  2023 Transects
-  2023 Transect Backups