

**BIOLOGICAL ASSESSMENT**  
**APPENDIX II**  
**QUARRY SITE PHOTOS AND DATA FORMS**

**This Page Intentionally Blank**

## Lower Colorado River Quarries Site Investigation Report

An Environmental Assessment and a Biological Assessment are being prepared to support the operation of Reclamation rock quarries on the Lower Colorado River. Field investigations were conducted at each quarry site to document the current environmental conditions at each quarry or proposed quarry. These quarries are located in Arizona and California. The quarries are located in the Yuma, Cibola, Palo Verde, Parker, Topock, and Mohave Valley Divisions of the Lower Colorado River Region. The quarries investigated include: Laguna East, Hart Mine #1 (Cibola) and #2, Trigo Wash, La Paz, Ehrenberg, and Times Gulch in Arizona and Palo Verde, Ripley, Palo Verde Dam, Quien Sabe, Vidal Junction, Bat Cave #'s 1, 2, & 3, Pipeline, Park Moabi, Eagle Pass, Section 7, Manchester, and Agnes-Wilson quarries in California.

Field investigations were conducted over 3 time periods. The first site investigation was conducted on 08/18/05, at Laguna East Quarry. Between 08/23/05 and 08/25/05, 18 investigations were conducted. On 09/13/05, 3 more quarries were investigated. One quarry investigation (Paymaster) was not completed due to difficulties in reaching the proposed quarry site. This proposed quarry site has no access road and is located where cross country travel could not be accomplished. No quarry currently exists at the proposed site, therefore the urgency to investigate this site did not exist.

The field investigations were performed by Nicholas Heatwole, who has a BS in Wildlife Ecology and is employed as a Biologist for Jason Associates Corporation. Ms. Kim Garvey and Mr. Rex Wahl accompanied Mr. Heatwole during the Laguna East site investigation on 08/18/05. Harvey Crutch, from Reclamation Yuma, accompanied Mr. Heatwole on the trips conducted from 08/23/05 to 08/25/05 and 09/13/05, however he did not actually conduct the site investigations. Mr. Crutch did provide a considerable amount of operational, historical, and other knowledge about the sites and quarrying in general. On 09/13/05, Carol Brown, a Geologist from Reclamation Yuma accompanied Mr. Heatwole and Mr. Crutch, to gain insight on the geology at the quarries and the quarry regions in general.

Information gathered during the site investigations include the following: Quarry name, ownership, and state and GPS location; Right of Way (ROW) ownership; the surveyor; date; time (start and end); weather; vegetation in the disturbed areas, vegetation surrounding the quarry, vegetation along the ROW, habitat associations, and invasive species present; 404 needed for the ROW or quarry (yes or no); wildlife to include Desert tortoise habitat potential and any other wildlife observed; photograph descriptions; adjoining land use; cultural resources; debris/vehicles/hazmat dumping indicators; access road conditions; and any notes.

Quarry Site Visit Data Form

Quarry Name: Agnes Wilson  
Quarry Ownership:  
ROW Ownership:  
State: CA

Surveyor(s): Nick Heatwole + Harvey Crouch  
Date: 8/23/05  
Time (Start and End): 13:55 PM  
Weather/Temp: ~100°F Clear Wind from S w/10-15mph

Vegetation

In disturbed area: None - 0% cover  
Surrounding quarry: Creosote/Palo Verde/Brittlebush  
Along ROW: Creosote/Palo Verde/Brittlebush  
Habitat Associations: Desert Scrub Palo Verde/Creosote  
Invasives present: None

404 Needed (Y/N)

Quarry (Y/N): Major wash beginning @ quarry flowing away towards East  
ROW (Y/N): 1 large wash crossing ~~+~~ smaller crossing  
(approx 3ft deep 15 yards across)

Wildlife

DT habitat (Y/N): low likelihood  
Animals Seen: TV

Photograph Descriptions:

- 1) Quarry w/AST towards South
- 2) Quarry + wash headwaters towards S
- 3) Wash looking North (draining away from Quarry)
- 4) Adjacent hillside looking North
- 5) Looking S towards Road from ROW wash crossing (from downstream the wash)

Adjoining Land Use: ?

Cultural Resources: none seen

Debris/Vehicles/Hazmat dumping indicators: some dumping along road in + 1 large AST @ quarry site

Access Road condition (paved/gravel/dirt/4WD and quality):  
gravel 2wd good quality - gate at quarry entrance w/no lock

Notes:

x: 731610  
y: 3769852

## AGNES WILSON QUARRY



Agnes Wilson Quarry looking south towards quarry site (Abandoned water tank in foreground)



Agnes Wilson Quarry looking south at wash headwaters and quarry edge



Agnes Wilson Quarry looking north at wash draining away from quarry



Agnes Wilson Quarry looking north at adjacent hillside



Agnes Wilson Quarry looking south towards road from wash

# Quarry Site Visit Data Form

Quarry Name: *Bat Cave No. 1, 2, 3*  
Quarry Ownership:  
ROW Ownership:  
State: *CA*

Surveyor(s): *Nick Heatwole + Harvey Croutek*  
Date: *8/24/05*  
Time (Start and End): *1400*  
Weather/Temp: *~105°F, Partly Cloudy Skies, Wind 5-10 mph from S*

### Vegetation

In disturbed area: *creosote, grass ~25% cover*  
Surrounding quarry: *creosote, brittlebush, catclaw acacia, mesquite, burrowweed*  
Along ROW:  
Habitat Associations: *desert scrub*  
Invasives present: *salt cedar (very low)*

404 Needed  (Y/N) *Wash drainage along bottom of face of hill along E edge*  
Quarry  (Y/N):  
ROW  (Y/N): ?

### Wildlife

DT habitat  (Y/N): *low likelihood*  
Animals Seen: *burro droppings present; observed & photos of Bighorn tracks + coyote tracks*

Photograph Descriptions: *1) view of main quarry from W (up on ridge) looking East*  
*2) view of #1 from W → E* *3) view of #2 from W → E* *4) view of #3 from N → S* *5) view from #3 S towards wash drainage*  
Adjoining Land Use: ? *6) view of #3 from E looking W into Quarry*

Cultural Resources: *none seen*

Debris/Vehicles/Hazmat dumping indicators: *none*

Access Road condition (paved/gravel/dirt/4WD and quality): *gravel, 2wd, good*

Notes:  
#1 X: 729261 E Y: 3843521 N  
#2 X: 729289 E Y: 3843409  
#3 X: 729370 E Y: 3843119 N



## BAT CAVE No. 1 QUARRY



Bat Cave Quarries looking E from hillside above



Bat Cave #1 looking east

Quarry Site Visit Data Form

Quarry Name: Cibola (Hart Mine #1) Surveyor(s): Nick Heatwole + Harvey Goutch  
Quarry Ownership: Date: 9/13/05  
ROW Ownership: Time (Start and End): 10:22  
State: AZ Weather/Temp: 290°F, Clear, Calm

Vegetation

In disturbed area: Creosote, Brittlebush, Atriplex <20% cover  
Surrounding quarry: Creosote, Palo Verde, Ironwood, Smoke tree, Saguaro, Acotillo  
Along ROW: same as above  
Habitat Associations: Palo Verde/creosote/ironwood Desert Scrub  
Invasives present: ~~none~~ | salt cedar tree

404 Needed (Y/N) (N) | small wash draining in from SE  
Quarry (Y/N) (N)  
ROW (Y/N) (N)

Wildlife

DT habitat (Y/N) (N) | yes, unlikely  
Animals Seen: ~~none~~ TV

Photograph Descriptions: 1) From SW to NE across disturbed area towards quarry  
2) small wash on SE side draining into flat, disturbed area in quarry  
Adjoining Land Use: YPG, BLM 3) plant?? - 4) wash on W end draining toward W - onto ROW

Cultural Resources: none

Debris/Vehicles/Hazmat dumping indicators: none

Access Road condition (paved/gravel/dirt/4WD and quality): 4wd, rough gravel, washed out in a few spots  
access not restricted

Notes: X: 723 164 E  
Y: 3686 883 N

**CIBOLA (Hart Mine No. 1) QUARRY**



Cibola (Hart Mine No. 1) looking across quarry floor towards northeast



Cibola (Hart Mine No. 1) small wash on southeast side draining into quarry floor



Cibola (Hart Mine No. 1) wash on west end draining towards west and ROwest



Unusual flora at Cibola Quarry (Hart Mine No. 1)

Quarry Site Visit Data Form

Quarry Name: Eagle Pass  
Quarry Ownership:  
ROW Ownership:  
State: CA

Surveyor(s): Nick Heatwole + Harvey Crouch  
Date: 8/24/05  
Time (Start and End): 1211  
Weather/Temp: <sup>~100°F</sup> Mostly Clear Skies, Wind from S 5-10 mph

Vegetation

In disturbed area: Creosote, Atriplex, ~~snake weed~~ burro  
Surrounding quarry: Creosote, atriplex, snake weed, brittle bush, catclaw acacia  
Along ROW: creosote  
Habitat Associations: Desert  
Invasives present: none

404 Needed (Y/N) Large Wash adjacent to Quarry to South draining E  
Quarry (Y/N): - another wash coming out of canyon to NW of Quarry  
ROW (Y/N): in wash

Wildlife

DT habitat (Y/N): low likelihood  
Animals Seen: TV

Photograph Descriptions: 1) View of Quarry from hill to South (looking North) 3) view of hillside to South (facing South)  
2) View of quarry + wash draining into quarry 4) looking NNW @ wash adjacent to Quarry to NW

Adjoining Land Use:

Cultural Resources: none seen

Debris/Vehicles/Hazmat dumping indicators: ~~none~~ some wildcat dumping along ROW  
- mattress remains @ site beginning

Access Road condition (paved/gravel/dirt/4WD and quality):

gravel, 4wd or 2wd w/ high clearance, poor

Notes:

X: 708381 E  
Y: 7850972

## EAGLE PASS QUARRY



Eagle Pass Quarry looking north at quarry



Eagle Pass Quarry looking at quarry and wash draining into quarry



Eagle Pass Quarry looking south at adjacent hillside



Eagle Pass Quarry looking north northwest at wash adjacent to quarry to northwest

## Quarry Site Visit Data Form

Quarry Name: Ehrenburg  
Quarry Ownership:  
ROW Ownership:  
State: AZ

Surveyor(s): Nick Heatwole & Harvey Cronch  
Date: 8/25/05  
Time (Start and End): 1125 - 1148  
Weather/Temp: ~100°F, Clear, Wind 5-10 mph SE

### Vegetation

In disturbed area: none

Surrounding quarry: Palo Verde, Iron wood, Creosote, Saguoro, Brittlebush, Ocotillo  
Along ROW:

Habitat Associations: Palo Verde Creosote Desert

Invasives present: none

404 Needed (Y/N)

Quarry (Y/N)

ROW (Y/N)

No washes in Quarry; major wash on <sup>North</sup> ~~west~~ side draining west; ROW crosses wash going into Quarry

### Wildlife

DT habitat (Y/N): low likely hood

Animals Seen: ~~McDo~~, Gambel's Quail (over)

Photograph Descriptions: 1) view of E half of Quarry looking South 2) view of W half of Quarry looking S.  
3) view of wash on North side looking East 4) View of wash looking West

Adjoining Land Use: BLM (Off Road Trails) 5) View of major wash crossing ROW on W side (entrance) to Quarry (from gate)

Cultural Resources: none seen

Debris/Vehicles/Hazmat dumping indicators: none @ quarry; tires in wash outside quarry

Access Road condition (paved/gravel/dirt/4WD and quality):

Notes:

X- 740 463

Y- 3724 803

gravel, 2wd, good - locked cable across road into quarry



## EHRENBERG QUARRY



Ehrenberg Quarry looking south at east half of quarry



Ehrenberg Quarry looking south at west half of quarry



Ehrenberg Quarry looking east at wash to north of quarry



Ehrenberg Quarry looking west at wash



Ehrenberg Quarry looking east at wash crossing at Right of Way

Quarry Site Visit Data Form

Quarry Name: Hart Mine #1 (ribata) Surveyor(s): Nicole Heatwole + Harvey Grant  
Quarry Ownership: Date: 9/13/05  
ROW Ownership: Time (Start and End): 0915 0955  
State: Weather/Temp: ~ 85° F, Calm, Clear

Vegetation

In disturbed area: ~ 10% cover Creosote Brittlebush, Atriplex  
Surrounding quarry: Creosote, Palo Verde, Ironwood, Brittlebush, Atriplex  
Along ROW: same as above  
Habitat Associations: Palo Verde/Creosote Desert Scrub  
Invasives present: none

404 Needed (Y/N)

Quarry (Y/N)  
ROW (Y/N): y - large wash crossing along main road

Wildlife

DT habitat (Y/N): yes, unlikely  
Animals Seen: TV, RT Hawk

Photograph Descriptions: 1) From E towards W looking @ Lower Quarry 2) From W towards E looking @ upper quarry  
3) small wash below quarry from E looking W 4) Arch

Adjoining Land Use: BLM, YPG

Cultural Resources: Indian Burial Earn? Location unknown (Mike Walker)  
removed Steve Dunn

Debris/Vehicles/Hazmat dumping indicators: none

Access Road condition (paved/gravel/dirt/4WD and quality): 4wd Required, road  
washed out in a couple spots  
Notes: rocks piled @ entrance to restrict access, gate removed (broken)

X: T22649E  
Y: 3685267 N

## HART MINE No. 2 QUARRY



Hart Mine #2 looking west at lower quarry



Hart Mine #2 looking east at upper quarry



Hart Mine #2 looking at small wash to the west and below quarry



Hart Mine #2 Arch near quarry site

## Quarry Site Visit Data Form

Quarry Name: La Paz East  
Quarry Ownership:  
ROW Ownership:  
State: AZ

Surveyor(s): Nick Heatwole + Harvey  
Date: 8/25/05  
Time (Start and End): 1040 - 1054  
Weather/Temp:

~ 100°F, Clear Skies, Wind 5-10 mph from S

### Vegetation

In disturbed area: creosote < 10% cover (a few plants, < 5)

Surrounding quarry: Creosote, Palo Verde, Ironwood, Brittlebush, Ocotillo, Saguaro

Along ROW:

Habitat Associations: Desert Scrub (Creosote, Ironwood, Palo Verde)

Invasives present: none

404 Needed (Y/N)

Quarry (Y/N): Wash runs along South Edge of Quarry (approx 40' wide, variable depth 1-5)

ROW (Y/N): road in crosses multiple small washes?

### Wildlife

DT habitat (Y/N): low likely hood

Animals Seen: none

Photograph Descriptions: 1) view from S looking N @ Quarry 2) view from S look W towards wash  
3) view of wash looking E

Adjoining Land Use: BLM (off road trails)

Cultural Resources: none seen

Debris/Vehicles/Hazmat dumping indicators: 1 55 gallon drum in wash adjacent to  
quarry (between E+W Quarries)

Access Road condition (paved/gravel/dirt/4WD and quality):

Notes:

x - 738805

y - 3727859

~~gravel~~ dirt, 2nd, good  
locked gate into Quarry

## LA PAZ EAST QUARRY



La Paz East Quarry looking north at quarry



La Paz East Quarry looking west towards wash with rusted 55 gallon drum





La Paz East Quarry looking east towards wash and Right of Way

Quarry Site Visit Data Form

Quarry Name: La Paz West  
Quarry Ownership:  
ROW Ownership:  
State: AZ

Surveyor(s): Nick Heatwole & Harvey Crouch  
Date: 8/25/05  
Time (Start and End): 1055 - 1115  
Weather/Temp: ~100°F, Clear Skies, Wind S-10 MPH SE <sup>from</sup>

Vegetation

In disturbed area: none (limited area of disturbance)  
Surrounding quarry: Creosote, Palo Verde, Ironwood, Brittlebush, Ocotillo, Saguaro  
Along ROW: "  
Habitat Associations: Desert Scrub (Creosote, Palo Verde, Ironwood)  
Invasives present: none

404 Needed (Y/N) Quarry lies adjacent to a wash that runs E→W (wash to S)  
Quarry (Y/N):  
ROW (Y/N): ?

Wildlife

DT habitat (Y/N): Low likely hood  
Animals Seen: ~~None~~ Desert Iguana

Photograph Descriptions: 1) view of quarry from S looking N 2) view of wash + road looking West  
3) view of wash looking E towards E Quarry

Adjoining Land Use: BLM (off road trails)

Cultural Resources: none evident

Debris/Vehicles/Hazmat dumping indicators: 1 tire on a rim, otherwise none

Access Road condition (paved/gravel/dirt/4WD and quality):

dirt, 2wd, good

Notes:

X- 738534 E  
Y- 3727904 N

## LA PAZ WEST QUARRY



La Paz West Quarry looking north at quarry



La Paz West Quarry looking west at wash and Right of Way



La Paz West Quarry looking east towards wash and La Paz East Quarry site

## Quarry Site Visit Data Form

Quarry Name: *Laguna East*  
Quarry Ownership:  
ROW Ownership:  
State: *Arizona*

Surveyor(s): *Nick Heatwole*  
Date: *08/18/05*  
Time (Start and End): *0845 -*  
Weather/Temp: *~90°F Clear Skies, Slight Breeze < 5 mph*  
*High Temp Expected: 107°F*

### Vegetation

In disturbed area: *None / Isolated Emerging Salt Cedar*

Surrounding quarry: *Ocotillo, Creosote / Riparian*

Along ROW: *Along S. None / To N*

Habitat Associations: *Desertscrub Creosote Ocotillo, / Riparian Salt Cedar/Arrowweed*

Invasives present:

404 Needed (Y/N) *N*

Quarry (Y/N): *N*

ROW (Y/N): *N*

### Wildlife

DT habitat (Y/N): *few likely hood*

Animals Seen: *Mos, WWD.*

### Photograph Descriptions:

Adjoining Land Use: *Betty's Kitchen, Mitty Lake*

Cultural Resources: *None Apparent*

Debris/Vehicles/Hazmat dumping indicators: *None*

Access Road condition (paved/gravel/dirt/4WD and quality): *Gravel, 2wd Accessible*

Notes:

F:\User\7200\PROJECTS\_04\Quarries\Site\_Visits\Quarry Site Visit Data Form.doc

Kim Garvey

Page 1

8/17/2005

**LAGUNA DAM QUARRY**

NO PHOTOS AVAILABLE

## Quarry Site Visit Data Form

Quarry Name: Palo Verde

Quarry Ownership:

ROW Ownership:

State: CA

Surveyor(s): Nick Heatwole & Harvey Gutch

Date: 8/25/05

Time (Start and End): 1422-1449

Weather/Temp:

~ 105° F, Mostly Clear skies, Wind ~ 5-10 mph from E

### Vegetation

In disturbed area: Creosote, atriplex < 10% cover

Surrounding quarry: Salt Cedar, Arrow Weed, Atriplex, Brittlebush, Creosote

Along ROW:

Habitat Associations: Riparian upland

Invasives present: Salt Cedar

404 Needed (Y/N)

Quarry (Y/N): no washes on mountain

ROW (Y/N):

### Wildlife

DT habitat (Y/N): low likely hood

Animals Seen: none

Photograph Descriptions: 1) panoramic of Quarry from E edge starting NW moving along West  
- 4) towards South side 5) view looking E @ river valley

Adjoining Land Use: River approx 1 mi to East, Agriculture

Cultural Resources: none evident

Debris/Vehicles/Hazmat dumping indicators: none

Access Road condition (paved/gravel/dirt/4WD and quality):

Notes:

gravel, 2wd; good; gate @ entrance (unlocked)

X = 712340 E

Y = 3691097 N

## PALO VERDE QUARRY



Palo Verde Quarry looking northwest



Palo Verde Quarry looking north





Palo Verde Quarry looking west



Palo Verde Quarry looking south



Palo Verde Quarry looking east towards Colorado River

**PAYMASTER QUARRY (PROPOSED)**

NO ACCESS TO SITE FOUND AND NO PHOTOS AVAILABLE



**QUIEN SABE QUARRY SITE (PROPOSED)**



Quien Sabe Quarry (proposed site) looking south southeast



Quien Sabe Quarry (proposed site) looking south



Quien Sabe Quarry (proposed site) looking north northwest

Quarry Site Visit Data Form

Quarry Name: Ripley  
Quarry Ownership:  
ROW Ownership:  
State: CA

Surveyor(s): Nick Heatwole + Harvey Grouth  
Date: 8/25/05  
Time (Start and End): 1317 - 1343  
Weather/Temp: ~105°, Most Clear Skies, Wind 5-10 mph SE

Vegetation

In disturbed area: creosote 40% cover  
Surrounding quarry: Creosote, Palo Verde, Ironwood, Brittle bush  
Along ROW:  
Habitat Associations: creosote Palo Verde/Ironwood  
Invasives present: none

404 Needed (Y/N) - Small wash running W→E along Southern edge of Quarry  
Quarry (Y/N): - Small wash running N→ along E side of Quarry  
ROW (Y/N): multiple wash outs from rains along ROW. E side of quarry

Wildlife

DT habitat (Y/N): low likely hood  
Animals Seen: none

Photograph Descriptions: 1-3 Panoramic of Quarry from S looking NNW starting from W→E  
4) East Edge wash looking south 5) S edge wash looking E from start/W edge  
Adjoining Land Use: ?

Cultural Resources: none seen

Debris/Vehicles/Hazmat dumping indicators: tires dumped/left @ quarry site  
vehicle + debris

Access Road condition (paved/gravel/dirt/4WD and quality):

washed out gravel road; 4wd; good to bad

Notes:

X- 706079 E - wash along S approx 4' deep, 15-20' across  
Y- 3709640 N - wash along E approx 2-3' deep, 10-15' across

## RIPLEY QUARRY



Ripley Quarry west side



Ripley Quarry north side





Ripley Quarry east side with debris



Ripley Quarry wash on east edge, looking south



Ripley Quarry wash on south edge of quarry site, looking east from start of west edge

Quarry Site Visit Data Form

Quarry Name: Section 7  
Quarry Ownership: BOR  
ROW Ownership:  
State: CA

Surveyor(s): Nick Heatwole + Harvey Crouch  
Date: 8/24/05  
Time (Start and End): 1025 1050  
Weather/Temp:

~ 95°F, Sunny, Winds from S 5-10 mph

Vegetation

In disturbed area: creosote, brittlebush, small annuals ~ 30% cover  
Surrounding quarry: creosote, brittlebush, cholla  
Along ROW: creosote, brittlebush, cholla  
Habitat Associations: Desert Scrub  
Invasives present: none

404 Needed (Y/N)

Quarry (Y/N): run-off from hillsides turning into major wash to SE  
ROW (Y/N): in wash - small wash running N→S (see photo 3)

Wildlife

DT habitat (Y/N):  
Animals Seen: none

Photograph Descriptions: 1) looking West @ quarry  
2) looking ~~SE~~ into wash towards ROW  
3) small wash 100 yards E of quarry looking north  
4) from Quarry looking @ wash + ROW (looking SE)  
5) veg @ Sect

Adjoining Land Use: ?

Cultural Resources: none seen

Debris/Vehicles/Hazmat dumping indicators: none @ quarry; abandoned vehicle in wash in ROW

Access Road condition (paved/gravel/dirt/4WD and quality): 4wd or high clearance rough road (through wash)

Notes:  
X: 707168 E  
Y: 3872131 N

## SECTION 7 QUARRY



Section 7 looking west at quarry



Section 7 looking southeast into wash towards ROwest



Section 7 looking north at small wash E of quarry



Section 7 looking southeast at wash and ROWest



Section 7 Quarry Burro bush and others

## Quarry Site Visit Data Form

Quarry Name: *Times Gulch*

Quarry Ownership:

ROW Ownership:

State: *AZ*

Surveyor(s): *Nick Heatwole & Harvey Crouch*

Date: *8/24/05 0807 - 0836*

Time (Start and End):

Weather/Temp: *~85°F Mostly clear, Wind 3/10 mph  $\overline{S}$ W*

### Vegetation

In disturbed area: *none 0% cover*

Surrounding quarry: *creosote / Brittlebush / yucca / ocotillo / Cat Claw*

Along ROW: *creosote flats*

Habitat Associations: *Desert Scrub / High Desert*

Invasives present: *none*

404 Needed (Y/N) *Silver Creek Wash & Times Gulch*

Quarry (Y/N):

ROW (Y/N): *road in wash downstream from quarry*

### Wildlife

DT habitat (Y/N): *low likelihood*

Animals Seen: *none*

Photograph Descriptions: *1) Quarry looking N  
2) Quarry + road (ROW) w/wash  
3) small wash in quarry along road*

Adjoining Land Use: *BLM?*

Cultural Resources: *none seen*

Debris/Vehicles/Hazmat dumping indicators: *some debris present, history of dumping (been cleaned up)  
i car battery recreational shooting (shotgun shells, brass)*

Access Road condition (paved/gravel/dirt/4WD and quality): *gravel road good*

### Notes:

*shooters showed up while surveying.*

*GPS x: 732837  
y: 381995A*

## TIMES GULCH QUARRY



Times Gulch Quarry looking north towards quarry face



Times Gulch Quarry and wash





Times Gulch wash along Right of Way



## TRIGO WASH QUARRY



Trigo Wash Quarry looking east towards quarry



Trigo Wash Quarry looking northeast at quarry site



Trigo Wash Quarry looking west towards quarry site



Trigo Wash Quarry looking east at wash running along north side of quarry site



Trigo Wash Quarry looking west at wash running along north side of quarry site

**This Page Intentionally Blank**