

Minerals Reclamation Permit Annual Report

**COLORADO**Division of Reclamation,
Mining and Safety

Department of Natural Resources

Disclaimer

Under the terms of your NOI or Reclamation Permit and Colorado Statutes, you must submit Annual Fees and Annual Reports (including a map). You must pay the Annual Fee and submit an Annual Report each year until reclamation responsibility release is granted. The Annual Fee is not a renewal fee. The Fee and Report are for LAST YEAR'S mining and reclamation season, and MUST be paid even if your operation was inactive.

If you have requested reclamation responsibility release from the Division of Reclamation, Mining and Safety ("Division") but your permit is not released by the anniversary date listed below, the Annual Fee MUST be paid. If the permit is released before the anniversary date, then by Statute, it is not necessary to pay an Annual Fee or submit an Annual Report for that year.

Division records indicate the following is due:

Select Permit Number *

Only Permit Numbers with currently due Annual Fees will be listed. If the Permit Number is not listed, then the Annual Fees are not due, the Permit Number has already been submitted, or the Permit Number Annual Fee payment has been processed.

 ▼

Select Anniversary Date *

 ▼

PLEASE REMEMBER TO CLICK "SUBMIT" AFTER YOU HAVE COMPLETED YOUR REPORT AND PAYMENT.

Please check the box indicating you have read and understand the terms of the Annual Report and Annual Fee *

☒ I understand and agree to the terms

General Information

Permittee Name

Operation Name

Shaffers Crossing

Permit Number

M1978208

Fee Due

323.00

Permit Acreage

9.90

County

Jefferson

Anniversary Date

06-16-2018

Current Bond Amount

2500.00

Permittee Contact Information**Permitting Contact Name**

Juliet Moores

Company

Elk Creek Sand & Gravel, LLC

Address 1

P.O. Box 416

Address 2**City**

Conifer

State

CO

Zip Code

804330000

Phone #

3038164047

Fax #

3038162721

Permitting Contact Email Address

elkcreekestimating@gmail.com

Is the Permitting Contact information listed above correct? If it is not correct your organization's Administrator will receive an email notification. *

☐ Yes ☒ No

Annual Report Questions

Information contained in this report is required and will be reviewed by the Division upon receipt and prior to the next compliance inspection of the site. If, while completing this report, you learn that your site is not in compliance with the rules and the act, it is advisable that the issues be rectified promptly to avoid possible enforcement action.

1. Is the site identification sign posted in accordance with Rule 3.1.12(1). *

☒ Yes ☐ No

2. Is the affected area boundary clearly marked in accordance with Rule 3.1.12(2). *

☒ Yes ☐ No

3. Is the mine site in final reclamation (all material extraction and stockpile removal is complete)? *

If "YES," please note time limits related to completion of reclamation, Rule 3.1.3.

☐ Yes ☒ No

4. Has excavation, processing or hauling activity commenced at the site? *

☒ Yes ☐ No

What was the date of last excavation, processing or hauling activity at the mine? *

11/9/2018



5. Does the mine operate more than 180 days per year? *

If "NO", please review Rule 1.13 to assure that your mine is in compliance.

☒ Yes ☐ No

6. Has this mine been granted approval of TEMPORARY CESSATION Status? *

☐ Yes ☒ No

7. Has this mine been granted approval for INTERMITTENT OPERATION? *

☒ Yes ☐ No

For the following questions, please note that numeric values must include one decimal place, such as "0.0" for zero acres, or 10.2 instead of 10.23.

8. Number of acres currently affected (mining + incomplete and or unreleased reclamation). * (?)

9.9

9. Number of acres that were newly affected during the current report year * (?)

10. Number of acres that were reclaimed during the current report year. * (?)

11. Estimated new acreage to be affected in the next report year. * (?)

12. Estimated acres to be reclaimed in the next report year. * (?)

13. Total acres in various stages of reclamation, since permitted mining activities began:

Total acres backfilled * (?)

Total acres graded * (?)

Total acres seeded with approved mix * (?)

Seed Application Method *

Total acres fertilized with approved fertilizer * (?)

Fertilizer Application Method *

Total acres with topsoil replaced * (?)

Topsoil replacement depth (in.) * (?)

Total acres mulched with approved mulch * (?)

Mulch application rate (tons/ac) * (?)

0.0

Mulch Application Method *

NA

14. Is weed control being conducted in accordance with an approved Weed Control Plan? *

If "YES", indicate the weed species, control area, control type, application rate and treatment date on the report map.

☒ Yes ☐ No ☐ N/A

15. Is adequate topsoil reserved for reclamation, based on your approved permit? *

If "NO", please explain

☒ Yes ☐ No ☐ N/A

16. Is the reserved topsoil vegetated/stabilized in accordance with Rule 3.1.9(1)? *

If "NO", please explain

☒ Yes ☐ No ☐ N/A

17. If mining has exposed groundwater, is the site in compliance with the approved mining plan and Office of the State Engineer (Well Permit, S.W.S.P., and/or Permanent Augmentation Plan)? *

☐ Yes ☐ No ☒ N/A

18. Are all hazardous materials stored within approved spill containment structures? *

☒ Yes ☐ No ☐ N/A

19. Is your financial warranty value sufficient to cover the cost to complete reclamation? *

☒ Yes ☐ No ☐ N/A

20. Is your basis for legal right to enter still valid? *

☒ Yes ☐ No

21. Does your permit require you to submit monitoring information annually? *

☐ Yes ☒ No ☐ N/A

22. As required by Colorado Mined Land Reclamation Act and/or Colorado Land Reclamation Act for the Extraction of Construction Materials (C.R.S.34-32-116 or 34-32.5-116), attach a map to this report that accurately depicts the permit boundary, current affected area boundary and location of the acreages specified in items 8-12 and 15. *

Only PDF formatted files can be uploaded.

Map Upload

20606-B-TOPO.pdf (/Forms/handlers/downloadattachment.ashx?req=DownLoad&a...	2.73MB	×
Area Map.pdf (/Forms/handlers/downloadattachment.ashx?req=DownLoad&aid=21...	195.77KB	×
INDEX DRMS Map 2018 Shaffers Crossing MLRB 1979-208.pdf (/Forms/handlers/...	425.37KB	×
2018 DRMS Annual Report Map.jpg (/Forms/handlers/downloadattachment.ashx?r...	234.01KB	×
4.30.18 ENTRY WAY SIGN .jpg (/Forms/handlers/downloadattachment.ashx?req=...	82.46KB	×
weed control plan cover page Oct 2018.jpg (/Forms/handlers/downloadattachment....	36.07KB	×

23. If you have supplemental information you would like to provide, please upload it here.

Only PDF formatted files can be uploaded.

Supplemental Information Upload

Quarry1ftContours.pdf (/Forms/handlers/downloadattachment.ashx?req=DownLoa...	3.65MB	×
QuarryOrtho.pdf (/Forms/handlers/downloadattachment.ashx?req=DownLoad&aid=...	2.8MB	×
well Shaffers Crossing010.pdf (/Forms/handlers/downloadattachment.ashx?req=Do...	41.06KB	×

File type is not supported. Only files with extension pdf are supported.

24. Rule 5.7 requires submittal of final abandonment reports within 60 days for any drill hole(s) with artesian flows and no later than 12 months for all other completed drill holes. If drill holes are a component of your exploration/prospecting activities, have they been properly abandoned?

☐ Yes ☐ No ☒ NA

Annual Fee Payment

Clicking "**Pay Now**" will take you to the colorado.gov (colorado.gov) payment website for payment of your annual fee. After you have completed your payment, please copy the confirmation number from colorado.gov (colorado.gov) and paste it in the box below. Please note that in addition to your annual fee amount, a service fee will be assessed at checkout.

DO NOT CLOSE THE PAYMENT WEBSITE WINDOW UNTIL YOU HAVE COPIED YOUR PAYMENT CONFIRMATION NUMBER TO THIS ANNUAL FEE FORM. Please see example below.

IMPORTANT - YOU MUST CLICK "SUBMIT" ON THIS REPORT FORM AFTER ENTERING YOUR PAYMENT INFORMATION.

Pay Now



Colorado.gov
Secured Online Payment Process

EXAMPLE ONLY

Customer Receipt

01/28/2016 20:08:09

THE TRANSACTION IS COMPLETE. PLEASE NOTE THAT YOUR PAYMENT IS SUCCESSFUL WHEN YOUR FINANCIAL INSTITUTION RENDERS PAYMENT FOR THIS TRANSACTION.

Please print your **RECEIPT** for a record of this transaction. The order identification number is **155F-610**.
Please reference this number in any correspondence regarding this transaction.

Please copy and paste or type this number into the Payment Confirmation Number field in the form.

Payment Confirmation Number * (?)

After your payment confirmation number is entered, you MUST authorize your form and click "SUBMIT" to file the report and attachments.

Save as Draft

DRMS 2018 MLRB Permit Annual Report

MLRB 1978-208

Shaffers Crossing Quarry – Elk Creek Sand & Gravel LLC

Prepared by

Moore J

11/19/18

11-19-18.

Symbol INDEX



reclaimed area with no apparent growth under current weed control plan, limited plantings or other than ornamental trees, some willows (lapx. Sp.) within riparian habitat or channel.



reclaimed area along prism of highwall indicates some success with reclamation over 1 ac restored/reclaimed allowing for reestablished vegetation species as follows



storage areas primarily to include riprap, aggregates and other reclamation materials and other (stabilized)



yellow line designates the limits of the intersection between active mining area and completed highwall, stabilized and final

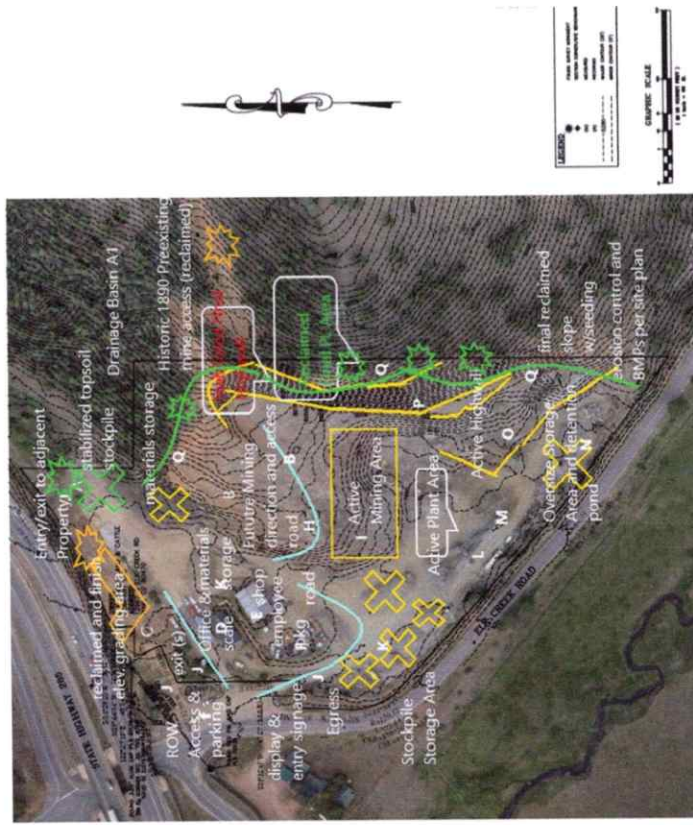


a pale blue line indicates the typical easement/egress/exit routes primarily used as part of traffic flow (this in compliance with BMPs to maintain fugitive dust exposure within permit levels)



the green line indicates the perimeter significantly reclaimed approximately, inside the active mine permit limits, and as stipulated under the weed control plan, where this is performing in conjunction with BMPs and the weed control plan submitted and on file with DRMS (2018)

TOPOGRAPHIC SURVEY A PARCEL OF LAND SITUATED IN THE SOUTHWEST 1/4 OF SECTION 21, TOWNSHIP 6 SOUTH, RANGE 71 WEST OF THE 5TH P.M., COUNTY OF JEFFERSON, STATE OF COLORADO



A – entry gate to adjacent property includes fencing pursuant to DRMS reqmnts

B – FUTURE active mining area (hardrock) and direction of planned mining phases to include a shot block in place from which active extraction is taking place currently

C – Final grading and some stabilization final elevation established in accordance with stipulations within the site plan, grading plan and weed control plan together with BMPs for erosion control, weed control, drainage discharge, etc.

D – office and scale

D – adjacent arboreal North facing flank of PARCEL B, indicating the bulk of the collection are for contributory non =point discharge (Area A') with no apparent run-off issues / other (Bothe contribution area A', B' n the Westerly exposure were inspected and approved as being compliant and noncontributory per Jefferson County H & T, G Bennetts 11/9/18). Incorporates Drainage basin (Per CDOT) A' by reference

E – masonry shop building (1985)

F – employee only and other vehicle parking and maintenance area adjacent to oil storage in compliance with MSHA Part 46

f' – ROW and parking

G - vacant

H – access route to highwall

I – Active shot mine block from which current extraction taking place

J – egress and signage, exit and discharge ramp

K - materials storage (multiple locations) and loadout area

L – active plant closed-circuit crushing and prescreen

M – boneyard and jaw/surge pile

N – oversize storage and some other secondary reclamation materials stockpile and initial phasing of detention pond pursuant to County site plan (2006)

O – active highwall

P – final highwall consistent with initial geotechnical proposal and in compliance with recommendations of expert together with mine design criteria establishing final recommended bench configurations and layout

Q – reclaimed areas inside of boundary limits and within pit limit prescribed reclaim area offered in accordance with criteria as stipulated in weed control program, under and in compliance with the 1990 Colorado Noxious Weed Act (Act), Colorado Revised Statute Title 35 Article 5.5 (CRS 35-5.5-101) whereby the Colorado

legislature places all public and private lands in Colorado under the jurisdiction of local governments to manage noxious weeds in any area of the state (DPI, 2002). The plan allows for integrated weed management via cultural, mechanical, and as necessary chemical or biological methods with revegetation and stabilization of graded slopes taken place, no perceptible/visible erosion issues indicated nor other. Noxious weeds and the approved plantings are indicated and listed as follows in compliance with the stipulations as outlined in the DRMS Annual reporting requirements:

(Report follows)

NOXIOUS WEEDS AND REVEGETATION PROGRESS UNDER THE PRESCRIBED WEED CONTROL PLAN
(OCT 2018) (technical revision by Operator)

The Act defines noxious weeds as "an alien plant or parts of an alien plant that have been designated by rule as being noxious or have been declared a noxious weed by a local advisory board, and meets one of the following criteria;

Aggressively invades or is detrimental to economic crops or native plant communities; is poisonous to livestock;
Is a carrier of detrimental insects, diseases, or parasites; or
The direct or indirect effect of the presence of this plant is detrimental to the environmentally sound management of natural or agricultural ecosystems."

There are not a lot of noxious weeds as these are systematically hand removed, but those occurring appear to be predominantly:

cheatgrass,

lesser amounts of diffuse knapweed (*Acosta diffusa*)

spotted knapweed (*A. maculosa*)

Canada thistle (*Cirsium arvense*)

PLANTINGS

Riparian and coniferous forests flank the hillside and shrublands line a channel (unnamed drainage) that runs west-east through the study area south of SH285. The forests include

Aspen

Ponderosa pine (pinus)

Spuce

riparian shrublands are dominated by thickets of

coyote willow (*Salix exigua*).

Wetlands consist of a mix of various persistent emergent species common to the region. Representative species include

reed canary grass (*Phalaris arundinacea*),

Nebraska sedge (*Carex nebrascensis*),

various rushes (*Juncus* sp.)

cattails (*Typha latifolia*).

Remnant native upland vegetation is dominated by short-grass prairie species of Foothills Grasslands (CNAP, 1998). Common species include

three-awn grass (*Aristida* sp.),

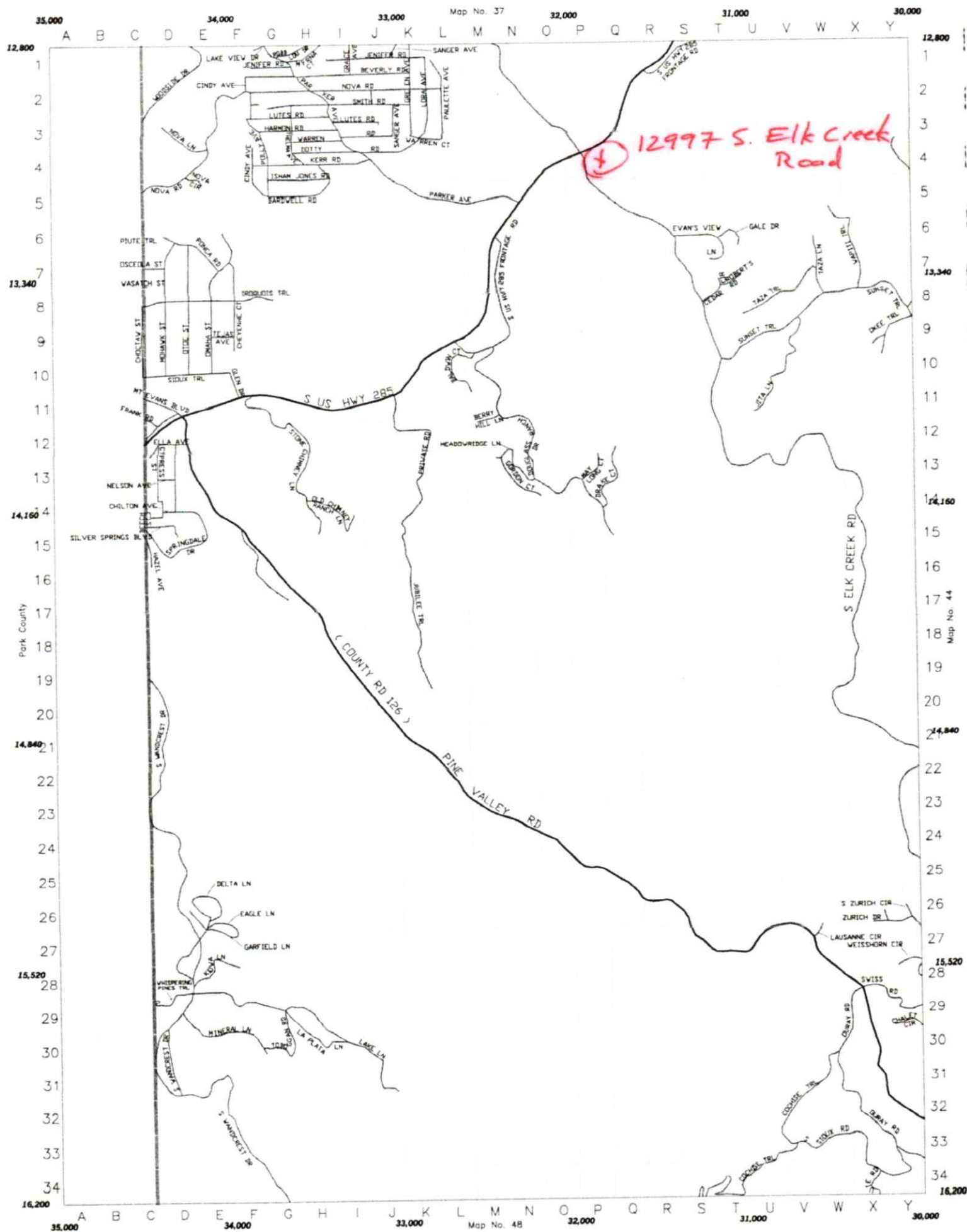
sand drop seed (*Sporobolus cryptandrus*),

rabbitbrush (*Chrysothamnus nauseosus*),

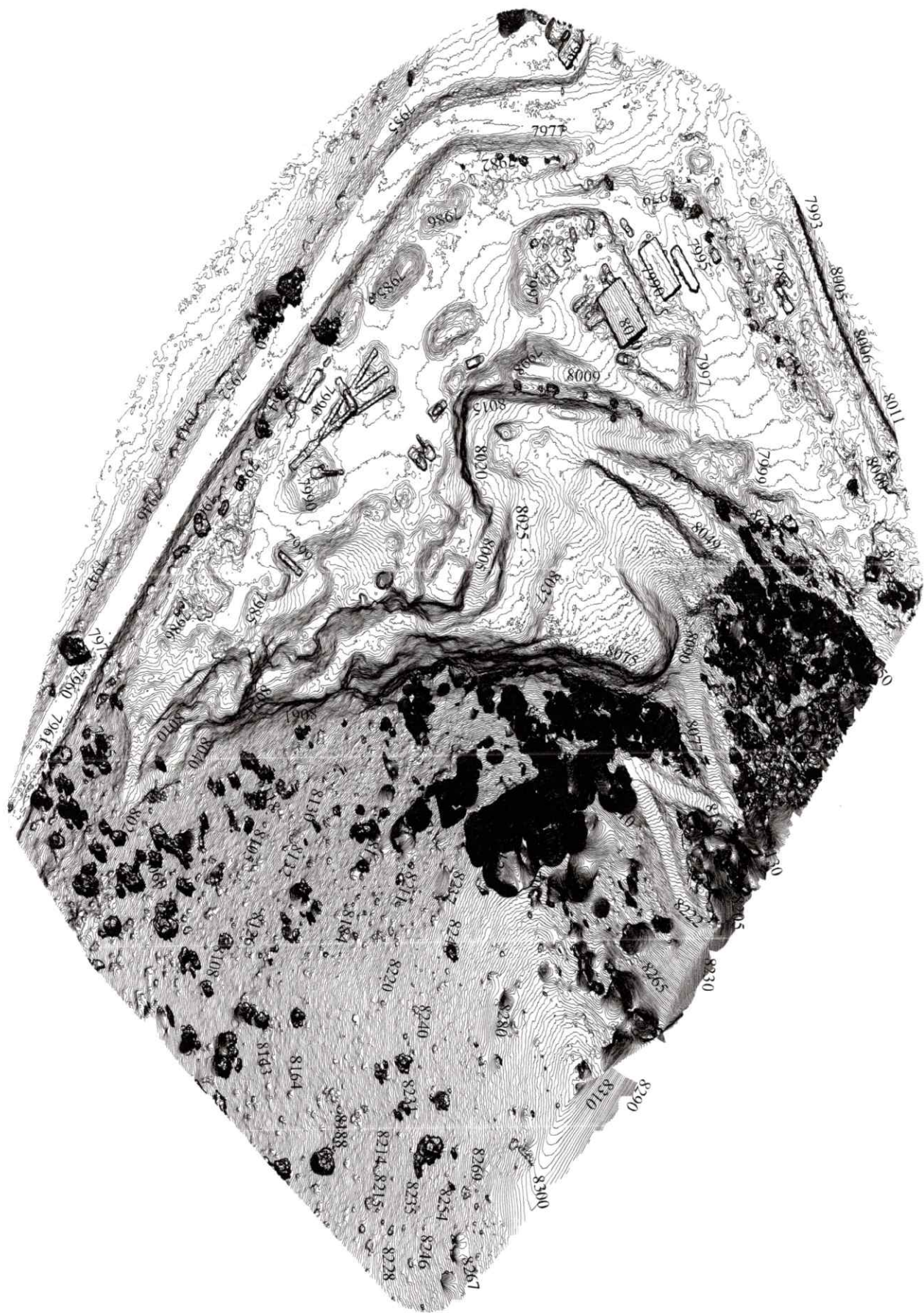
poison ivy (*Toxicodendron radicans*)

prickly pear cactus (*Opuntia polyacantha*).

smooth brome (*Bromus inermis*) is more common in the disturbed areas.







SHAFFERS CROSSING QUARRY

Permit # MLRB 1978-208

Operator: ELK CREEK Sand & Gravel LLC

NOTICE

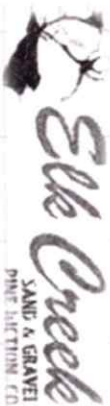
all visitors must sign in at scalehouse
FIRST - NO EXCEPTIONS

MSHA Mine ID Number 05-04761 Shaffers Crossing Pit

MAKE SAFETY YOUR FIRST ORDER OF BUSINESS

Slow down

6 mph speed limit



(303) 816-4047

Colorado Department of Natural Resources

Colorado.gov | Contact Us



Colorado's Well Permit Search

Well Constructed

 Last Refresh: 5/29/2012 12:00:27 AM

Receipt: 9033951 **Division:** 1
Permit #: 97272- - **Water District:** 80
Well Name / #: **County:** JEFFERSON
Designated Basin: **Management District:**
Case Number:
WDID:

[-] Applicant/Owners History

Date Range	Applicant/Owner Name	Address	City/State/Zip
Unknown - Present	L. N. PROPERTIES	10221 S HIWAY 73	CONIFER, CO 80433

[-] Location Information

Approved Well Location:

Q40 Q160 Section Township Range PM Footage from Section Lines

NE SW 32 6.0S 71.0W Sixth 2400 S 2400 W

Northing (UTM y): 4370387.4 **Easting (UTM x):** 468717.1**Location Accuracy:** Spotted from section lines

Physical Address

City/State/Zip

Subdivision Name

Filing Block Lot

Parcel ID:

Acres in Tract:

[-] Permit Details

Date Issued: 04/03/1978

Date Expires:

Use(s): COMMERCIAL**Special Use:****Aquifer(s):** ALL UNNAMED AQUIFERS

Area which may be irrigated:

Maximum annual volume of appropriation:

Statute:

Permit Requirements:	Totalizing Flow Meter	Geophysical Log	Abandonment Report
No	No	No	No

Cross Reference **Permit Number Receipt Description**Permit(s): 97272- -A 0089175

Comments:

[-] Construction/Usage Details

Well Construction Date: Pump Installation Date:

Well Plugged: 1st Beneficial Use: 02/23/1962

Elevation	Depth	Perforated Casing (Top)	Perforated Casing (Bottom)	Static Water Level	Pump Rate
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74

14

[-] Application/Permit History

Permit Issued 04/03/1978

Application Received 01/19/1978

First Beneficial Use 02/23/1962

[-] Imaged Documents

Document Name Date Imaged AnnotatedOriginal File 12/05/2007 NoOriginal File 12/05/2007 No

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