COLORADO
Division of Reclamation, Mining and Safety
Department of Natural Resources

MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Dawson Gold Project	**MINE/PROSPECTING ID#:** P-2013-002	**MINERAL:** Gold	**COUNTY:** Fremont
INSPECTION TYPE: Surety-Related Inspection	**WEATHER:** Cloudy	**INSP. DATE:** September 21, 2022	**INSP. TIME:** 09:00
OPERATOR: Zephyr Gold USA Ltd	**OPERATOR REPRESENTATIVE:** Angela Bellantoni	**TYPE OF OPERATION:** MP - Mineral Prospecting	

REASON FOR INSPECTION: Surety Related	**BOND CALCULATION TYPE:** Complete Bond	**BOND AMOUNT:** $107,290.00
DATE OF COMPLAINT: NA	**POST INSP. CONTACTS:** U.S.BLM	**JOINT INSP. AGENCY:** U.S.BLM
INSPECTOR(S): Timothy Cazier, P.E.	**INSPECTOR'S SIGNATURE:**	**SIGNATURE DATE:** October 19, 2022

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Sediment Control
PROBLEM/POSSIBLE VIOLATION: Problem: Water bars were observed to be full in the Windy Point access road. This is a problem at this time for failure to protect the affected land from erosion pursuant to C.R.S. 34-32.5-116 (4) (j).
CORRECTIVE ACTIONS: The operator shall provide photo documentation to the Division verifying the water bars have been cleaned out and have been repaired to prevent erosion damage by the corrective action date.
CORRECTIVE ACTION DUE DATE: 12/19/22

OBSERVATIONS

This inspection was conducted as part of a request for partial release (AR-1). The Prospector, Zephyr Gold was represented by Dr. Angela Bellantoni (Environmental Alternatives). Ms. Sophia Randall (BLM) was also present for the inspection. The Dawson Project site is located approximately 4.5 miles southwest of Cañon City, in Fremont County. The site was accessed from Temple Canyon Road/CR 3.

A bond related inspection of Zephyr's other NOI (P-2020-002) was performed on 9/7/2022 and will be covered in a separate inspection report. For clarity in this report, P-2013-002 will be referred to as Dawson A, and P-2020-002 will be referred to as Dawson B.

The focus of this inspection was the reclamation of the following:

A) Access road and exploration trenches dug in the BLM managed area referred to as Windy Point;
B) Exploration trenches dug in the area referred to as the Sentinel Claim.

Availability of Records: Annual fees are paid through March 2022. The previous inspection was on September 15, 2021. There are no open infractions. Both the surface and minerals are managed by the BLM. The disturbed area is a mixture of privately and federally (BLM) managed surface and minerals.

Backfilling and Grading: The Windy Point (**Figure 1**) and Sentinel (**Figure 4**) trenches were inspected:

Windy Point Trenches: Six trenches and related access roads were inspected: three in the northwest portion of **Figure 1**, labeled Trench 1, 2 and 3; and three south and uphill from those, labeled Trench A, B and C on **Figure 1**. For the purpose of bonding, the trenches are segmented on **Figure 1** and color coded based on whether they are on private or federal land, and whether or not they have been backfilled. The west ends of Trenches 1 and 2 (segments 1.b & 2.b on **Figure 1**) are on BLM land. The east end of Trenches 1 and 2 (segments 1.a & 2.a on Figure 1) are on private land. Both Trenches 1 and 2 have been backfilled (see **Photos 1** and **2**). Trench 3 (contained entirely within the private claim) has not been backfilled (see **Photo 3**). Trenches A, B and C (Figure 1) have not been backfilled. The south end of Trench C (see **Photo 4** and Trench C.2 on **Figure 1**) is on BLM land. Road C (split into segments C.1 on BLM land and C.2 on private land – ref. **Figure 1**) was observed to have been backfilled on both BLM land (see **Photos 5** and **6**) and the private land (see **Photo 7**).

Sentinel Trenches: Four trenches (SE#1, #2, #3 & #4 on **Figure 4**) and related access roads (Roads A, B & C on **Figure 4**) were inspected in the Sentinel claim area. These are all on private land. All four trenches were observed to have been backfilled (see **Photos 8, 9, 10** and **11**). Roads B (see **Photo 12**) and C (see **Photo 13**) have not been backfilled. A test pit was observed at the south end of Road C (see **Photo 14**), also requiring backfill. Road A was observed to be backfilled during the September 15, 2021 inspection (see **Photo 15**).

A summary of roads requiring backfill and/or revegetation is attached to this report as **Table 1**. A similar summary for trenches is presented in **Table 2**.

Financial Warranty: The DRMS holds a statewide bond of $107,290 for Dawson A and Dawson B. The DRMS is processing a full release request for the Dawson B NOI. As the bond is a statewide bond, the DRMS must ensure adequate bond is retained for the Dawson A. A revised bond estimate is included in this inspection report as Attachment A. It assumes two 1,000-ft boreholes are anticipated in the future (but all current boreholes are properly abandoned); and breaks out trenches and roads based on whether they are located on BLM or private land. The bond estimate also breaks out as "reserve bond" the remainder of the current 7.8 acres of

revegetation as Task 050r (constituting 1.24 acres after the 1.88 acres of BLM land needing reveg [Task 050b] and 4.68 acres of private land needing reveg [Task 050p]). Similarly, Task 04Cr retains bond for the remainder of the 7,400 feet of new road which is not currently required with the backfill of BLM and private roads. Please review the estimate in **Attachment A** to ensure it is consistent with your plans for this NOI.

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: Abandonment reports for boreholes drilled to date demonstrate all have been properly abandoned.

Reclamation Success: With the exception of Trench C.2 (Windy Point, **Figure 1**) all trenches on BLM land appear to be adequately backfilled. All four Sentinel trenches (**Figure 4**) also appeared to be adequately backfilled. The only road on BLM land adequately backfilled is Road C.1 (**Figure 1**). **Figures 1, 2, 3** and **4** identify the reclamation status of all known roads and trenches. A summary of reclamation still required is presented in **Tables 1** and **2**.

Revegetation: No noxious weeds were observed. However, with the exception of Windy Point Trench C (see **Photo 4**, **Figure 1**) and Road C (see **Photo 13**, **Figure 4**), all observed revegetation was dominated by Russian thistle (*which is not on Colorado's noxious weed list*). Pursuant to Rule 3.1.10(1): "*In those areas where revegetation is part of the Reclamation Plan, land shall be revegetated in such a way as to establish a **diverse**, effective, and long lasting vegetative cover that is capable of self-regeneration without continued dependence on irrigation, soil amendments or fertilizer, and is at least equal in extent of cover to the natural vegetation of the surrounding area.*"; and given the mono culture nature of the vast majority of the revegetation effort, the DRMS cannot approve requested the acreage reduction (AR-1) at this time.

Sediment Control: No erosion problems were observed, however the three water bars recently installed on the Windy Point access Road A (**Figure 1**) were all observed to be full of sediment and need to be cleaned out. **The required maintenance of the water bars in the Windy Point access road is cited as a problem on p. 1 of this report.**

Post Inspection Meeting: Dr. Bellantoni was told the prevalence of Russian thistle would not be cited as a problem as this plant is not on the Colorado noxious weed list. She agreed to proceed with the necessary maintenance for the water bars in the access road to Windy Point.

Zephyr will be notified of our decision to deny the acreage reduction for the Dawson A site (P-2013-002) under separate cover.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS

Photo 1. Windy Point Trench 1 (looking west – note Russian thistle as the dominant species).

Photo 2. Windy Point Trench 2 (looking west – note Russian thistle as the dominant species).

PHOTOGRAPHS (cont.)

Photo 3. Windy Point Trench 3 (looking west – not backfilled).

Photo 4. Windy Point Trench C (looking south on BLM land – not backfilled, more diverse vegetation).

PHOTOGRAPHS (cont.)

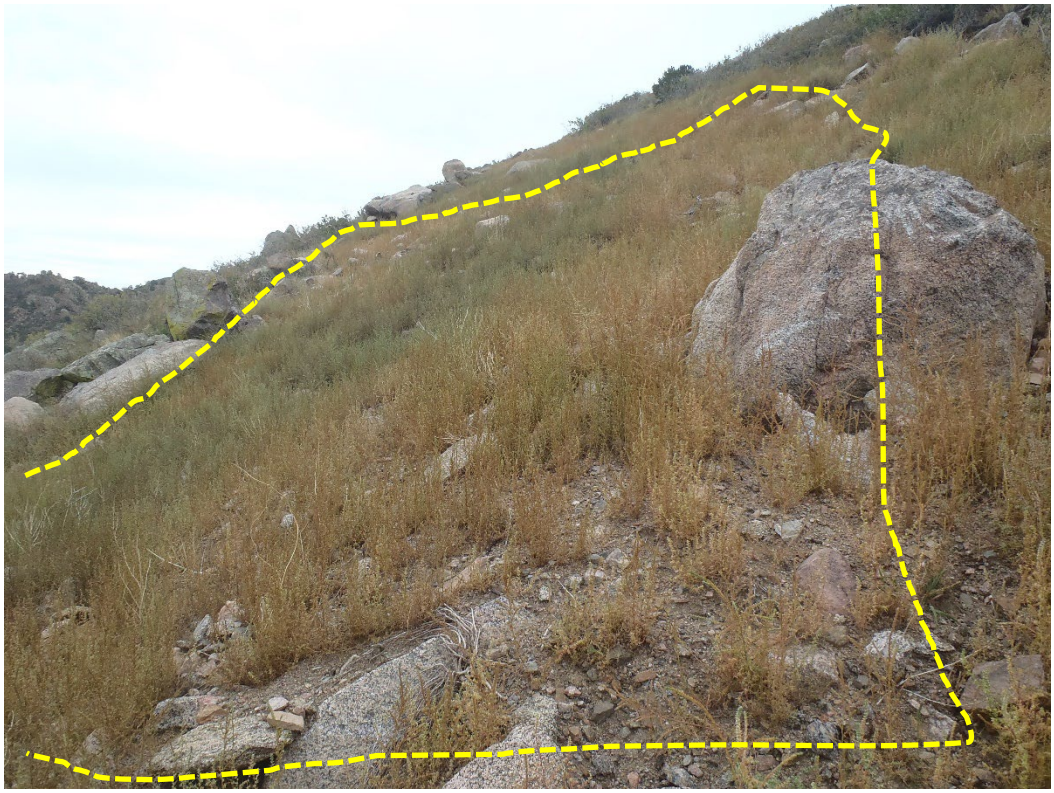


Photo 5. Backfilled Windy Point access Road C.1 (looking SE from approx. BLM boundary line, Note R. thistle).

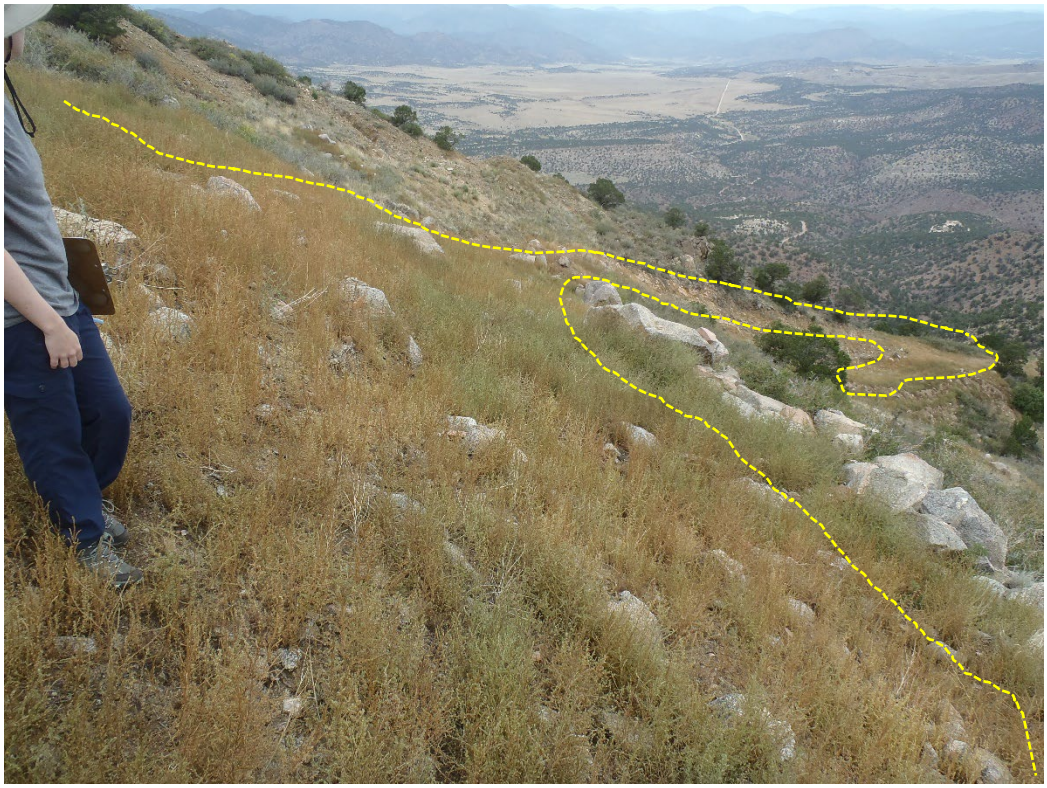


Photo 6. Backfilled Windy Point access Road C.1 (looking NW from highest point, Note R. thistle).

PHOTOGRAPHS (cont.)

Photo 7. Backfilled Windy Point access Road C.2 (looking east from lowest point, Note R. thistle).

Photo 8. Backfilled Sentinel Trench SE#1 (looking north from Road B, Note R. thistle).

PHOTOGRAPHS (cont.)

Photo 9. Backfilled Sentinel Trench SE#2 (looking north from Road B, Note R. thistle).

Photo 10. Backfilled Sentinel Trench SE#3 (looking north from Road B, Note R. thistle).

PHOTOGRAPHS (cont.)

Photo 11. Backfilled Sentinel Trench SE#4 (looking north from Road B, Note R. thistle).

Photo 12. Sentinel Road B (looking NE, not backfilled. Note Russian thistle).

PHOTOGRAPHS (cont.)

Photo 13. Sentinel Road C (looking north, not backfilled. Note diverse vegetation).

Photo 14. Test pit on the south end of Sentinel Road C (looking east).

PHOTOGRAPHS (cont.)

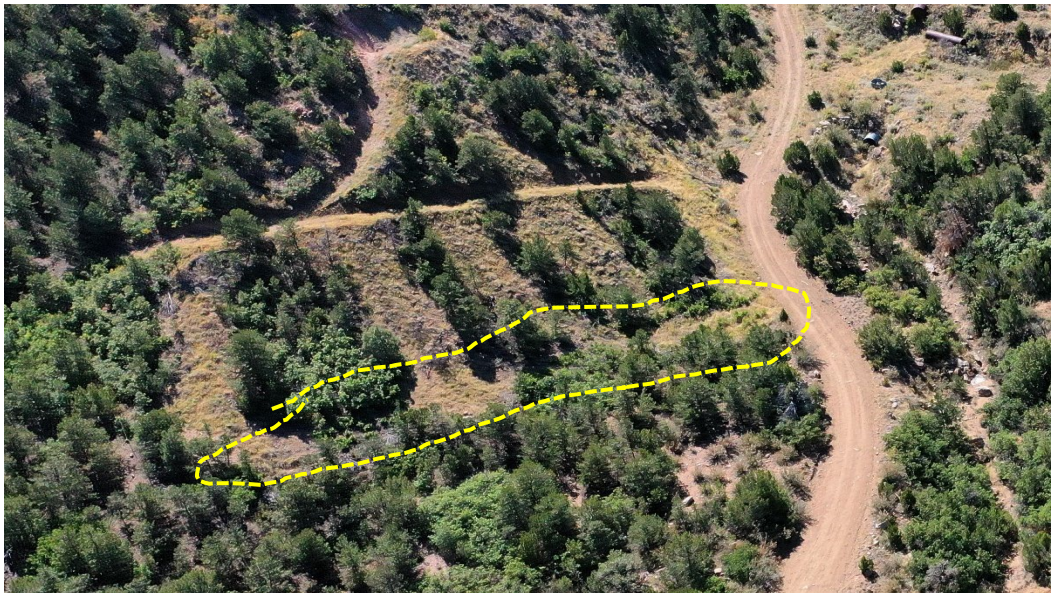


Photo 15. Backfilled Sentinel Road C (circled, looking south, drone photo from 9/15/21 inspection).

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS---------- Y	(FN) FINANCIAL WARRANTY-------- Y	(RD) ROADS---------- Y
(HB) HYDROLOGIC BALANCE---------- Y	(BG) BACKFILL & GRADING---------- Y	(EX) EXPLOSIVES--------- NA
(PW) PROCESSING WASTE/TAILING---- NA	(SF) PROCESSING FACILITIES------- Y	(TS) TOPSOIL---------- Y
(MP) GENL MINE PLAN COMPLIANCE- Y	(FW) FISH & WILDLIFE---------- Y	(RV) REVEGETATION---- Y
(SM) SIGNS AND MARKERS---------- NA	(SP) STORM WATER MGT PLAN---- N	(RS) RECL PLAN/COMP-- Y
(ES) OVERBURDEN/DEV. WASTE--------- NA	(SC) EROSION/SEDIMENTATION--- PB	(ST) STIPULATIONS------- Y
(AT) ACID OR TOXIC MATERIALS------- N	(OD) OFF-SITE DAMAGE----------N	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

Inspection Contact Address
David Felderhof
Zephyr Gold USA Ltd
P.O. Box 326
Cañon City, CO 81215

Enclosures: Tables 1 and 2
Figures 1 – 4
Attachment A – Reclamation Cost Estimate

ec: DRMS file
David Felderhof, Zephyr
Angela Bellantoni, EAI
Sophia Randall, BLM

P-2013-002 Dawson Access Road and Exploration Trench Reclamation Summary

Table 1. Roads *{Assume 26.3 ft ^{3} /LF based on 2/23/2017 2nd NOD response, Figure 4 & 40 ft width for reveg.}*

ID	BLM/Private	Status	Private Road Length Needing Backfill (ft)	BLM Road Length Needing Backfill (ft)	Private Road Length Needing Reveg ONLY (ft)	BLM Road Length Needing Reveg ONLY (ft)
Windy Point (Ref. Figures 1 and 2)						
A.1	Private	Open	234	-	-	-
A.2	BLM	Open	-	592	-	-
A.3	Private	Open	964	-	-	-
B	Private	Open	264	-	-	-
C.1	BLM	Backfilled, needs reveg.	-	-	-	1,029
C.2	Private	Backfilled, needs reveg.	-	-	88	-
		Windy Point SubTotal:	**1,462**	**592**	**88**	**1,029**
Windy Gulch (Ref. Figure 2)						
A	Private	Open	687	-	-	-
B	Private	Open	378	-	-	-
C	Private	Open	221	-	-	-
		Windy Gulch SubTotal:	**1,286**	**-**	**-**	**-**
Dawson Mtn. (Ref. Figure 3)						
A.1	BLM	Open	-	131	-	-
A.2	Private	Open	557	-	-	-
		Dawson Mtn. SubTotal:	**557**	**131**	**-**	**-**
Sentinel Area (Ref. Figure 4)						
A	Private	Open	214	-	-	-
B	Private	Open	294	-	-	-
C	Private	Open	123	-	-	-
		Windy Gulch SubTotal:	**631**	**-**	**-**	**-**
		TOTAL (ft):	**3,936**	**723**	**88**	**1,029**
		TOTAL ROAD BACKFILL VOL. (CY):	**3,834**	**704**		
		TOTAL ROAD RESEEDING AREA (AC.):	***3.61***	***0.66***	***0.08***	***0.94***
Remainder of 7,400 ft of bonded road			***2,741***	***ft => OR***		
			2,670	***CY***		

P-2013-002 Dawson Access Road and Exploration Trench Reclamation Summary

Table 2. Trenches *{Assume trenches are 12 ft wide x 4 ft deep => 48 ft^3 /LF}*

ID	BLM/Private	Status	Private Trench Length Needing Backfill (ft)	BLM Trench Length Needing Backfill (ft)	Private Trench Length Needing Reveg ONLY (ft)	BLM Trench Length Needing Reveg ONLY (ft)
Windy Point (Ref. Figure 1)						
1.a	Private	Backfilled, needs reveg.	-	-	69	-
1.b	BLM	Backfilled, needs reveg.	-	-	-	174
2.a	Private	Backfilled, needs reveg.	-	-	150	-
2.b	BLM	Backfilled, needs reveg.	-	-	-	67
3	Private	Open	81	-	-	-
A	Private	Open	114	-	-	-
B	Private	Open	126	-	-	-
C.1	Private	Open	121	-	-	-
C.2	BLM	Open	-	56	-	-
		Windy Point SubTotal:	**442**	**56**	**219**	**241**
Sentinel Area (Ref. Figure 4)						
SE#1	Private	Backfilled, needs reveg.	-	-	87	-
SE#2	Private	Backfilled, needs reveg.	-	-	90	-
SE#3	Private	Backfilled, needs reveg.	-	-	90	-
SE#4	Private	Backfilled, needs reveg.	-	-	95	-
		Windy Gulch SubTotal:	**-**	**-**	**362**	**-**
		TOTAL:	**442**	**56**	**581**	**241**
		TOTAL TRENCH BACKFILL VOL. (CY):	**786**	**100**		
		TOTAL TRENCH RESEEDING AREA (AC.):	***0.41***	***0.05***	***0.53***	***0.22***
		TOTAL PRIVATE RESEEDING AREA (AC.):	**4.63**	**TOTAL BLM RESEEDING AREA (AC.):**		**1.88**
		Task 020 Pad RESEEDING AREA (AC.):	**0.05**			

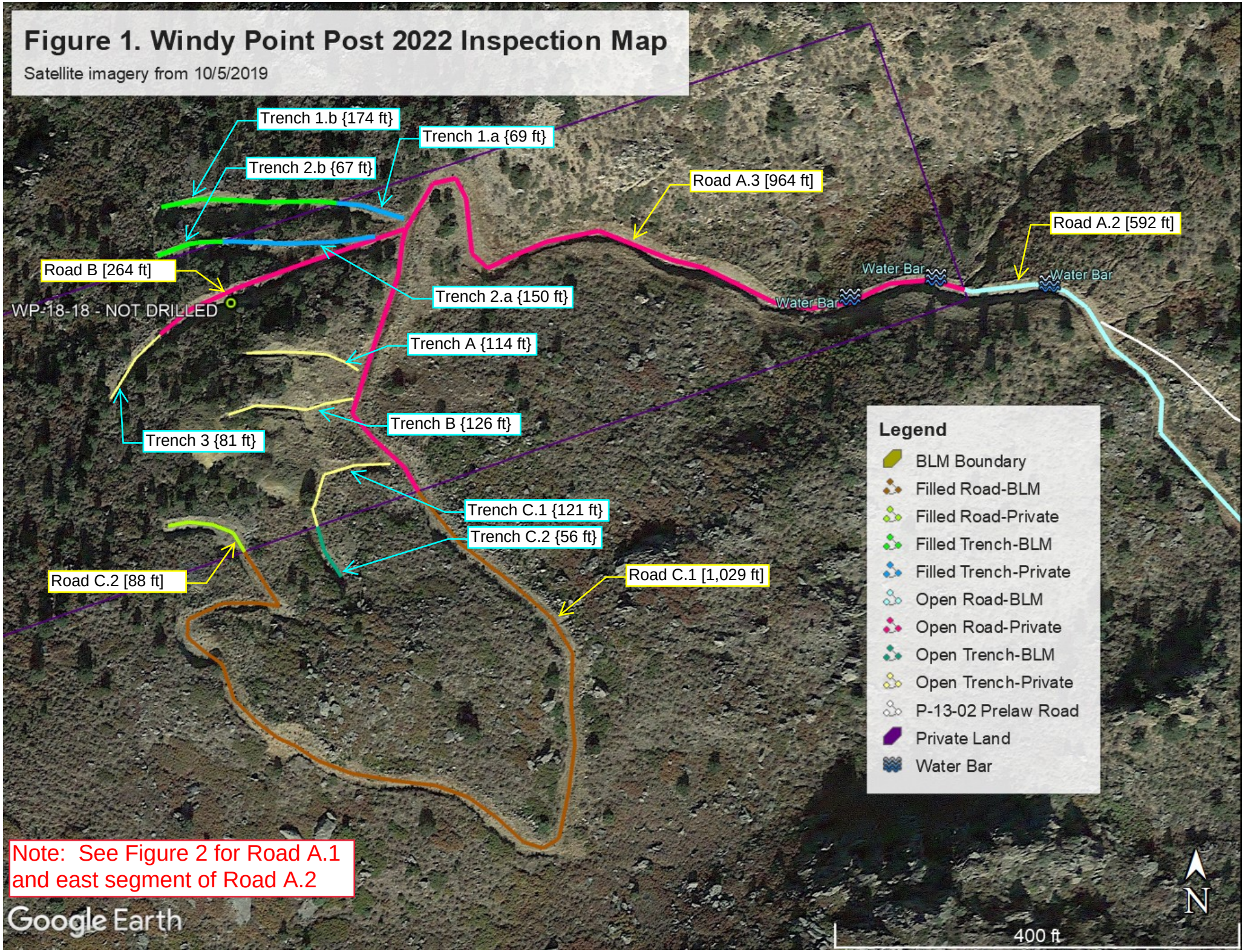
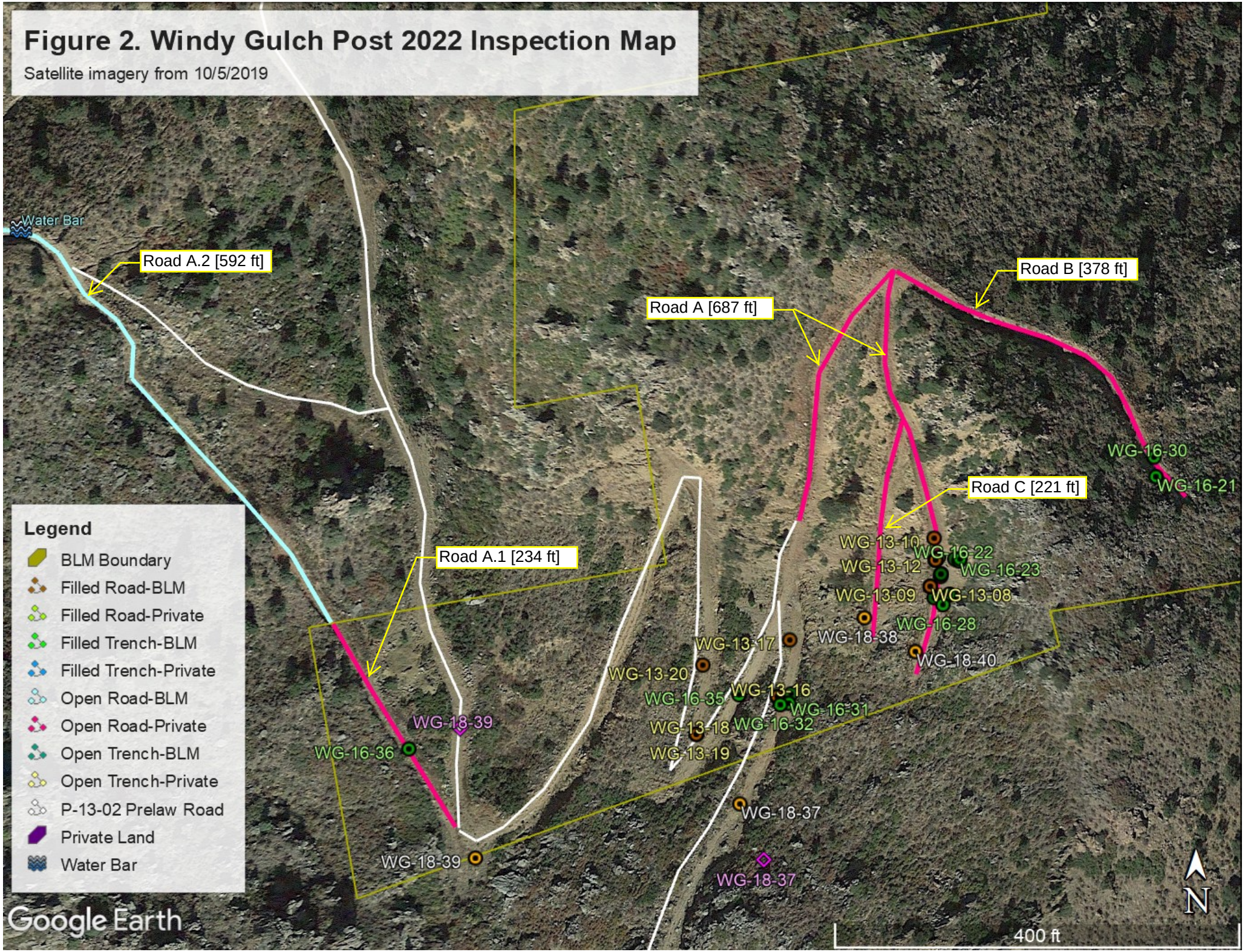


Figure 1. Windy Point Post 2022 Inspection Map
Satellite imagery from 10/5/2019
Trench 1.b {174 ft}
Trench 1.a {69 ft}
Trench 2.b {67 ft}
Road A.3 [964 ft]
Road A.2 [592 ft]
Road B [264 ft]
WP-18-18 - NOT DRILLED
Trench 2.a {150 ft}
Water Bar
Water Bar
Water Bar
Trench A {114 ft}
Trench B {126 ft}
Trench 3 {81 ft}
Trench C.1 {121 ft}
Trench C.2 {56 ft}
Road C.2 [88 ft]
Road C.1 [1,029 ft]
Legend
BLM Boundary
Filled Road-BLM
Filled Road-Private
Filled Trench-BLM
Filled Trench-Private
Open Road-BLM
Open Road-Private
Open Trench-BLM
Open Trench-Private
P-13-02 Prelaw Road
Private Land
Water Bar
Note: See Figure 2 for Road A.1 and east segment of Road A.2
Google Earth
N
400 ft

Figure 2. Windy Gulch Post 2022 Inspection Map

Satellite imagery from 10/5/2019



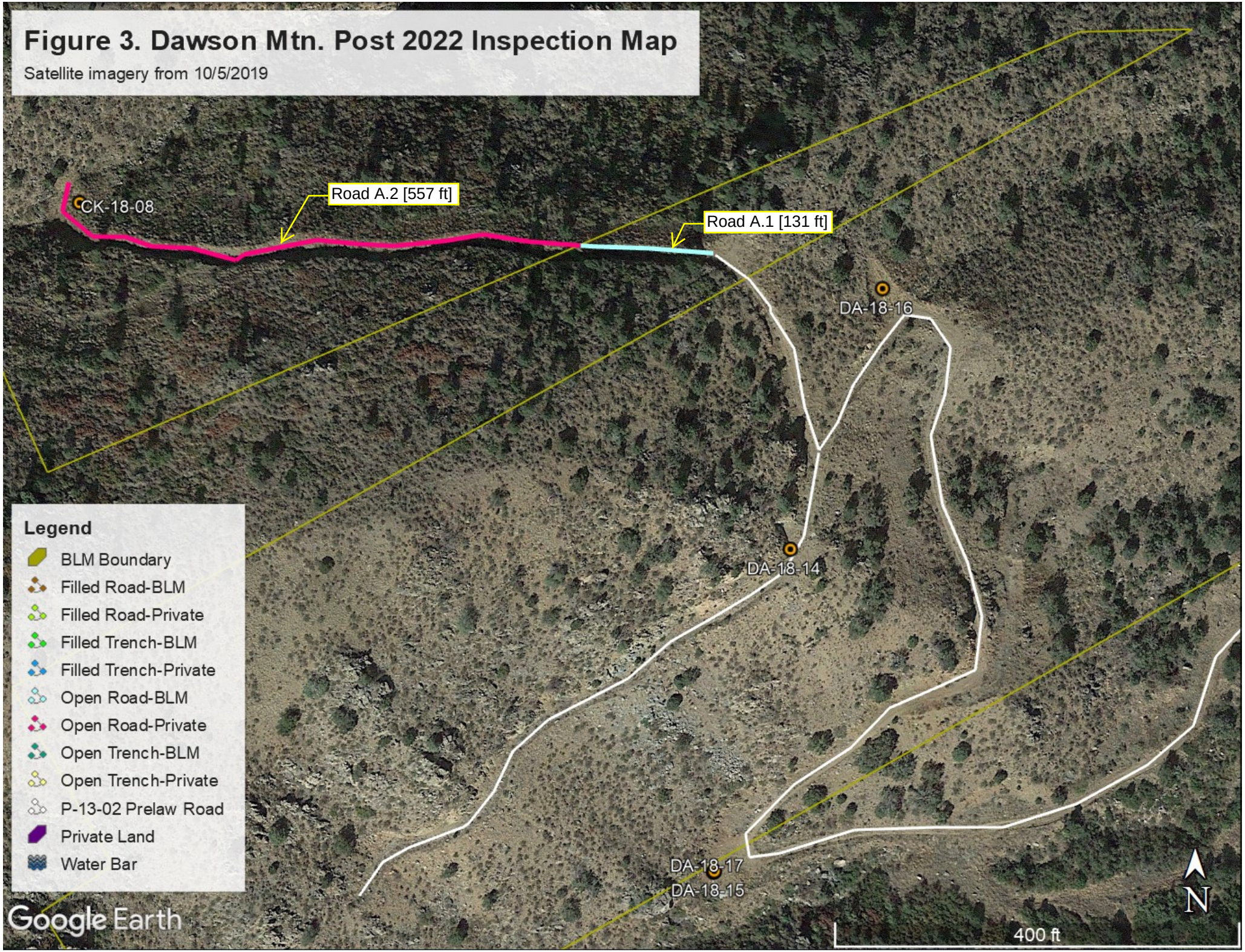
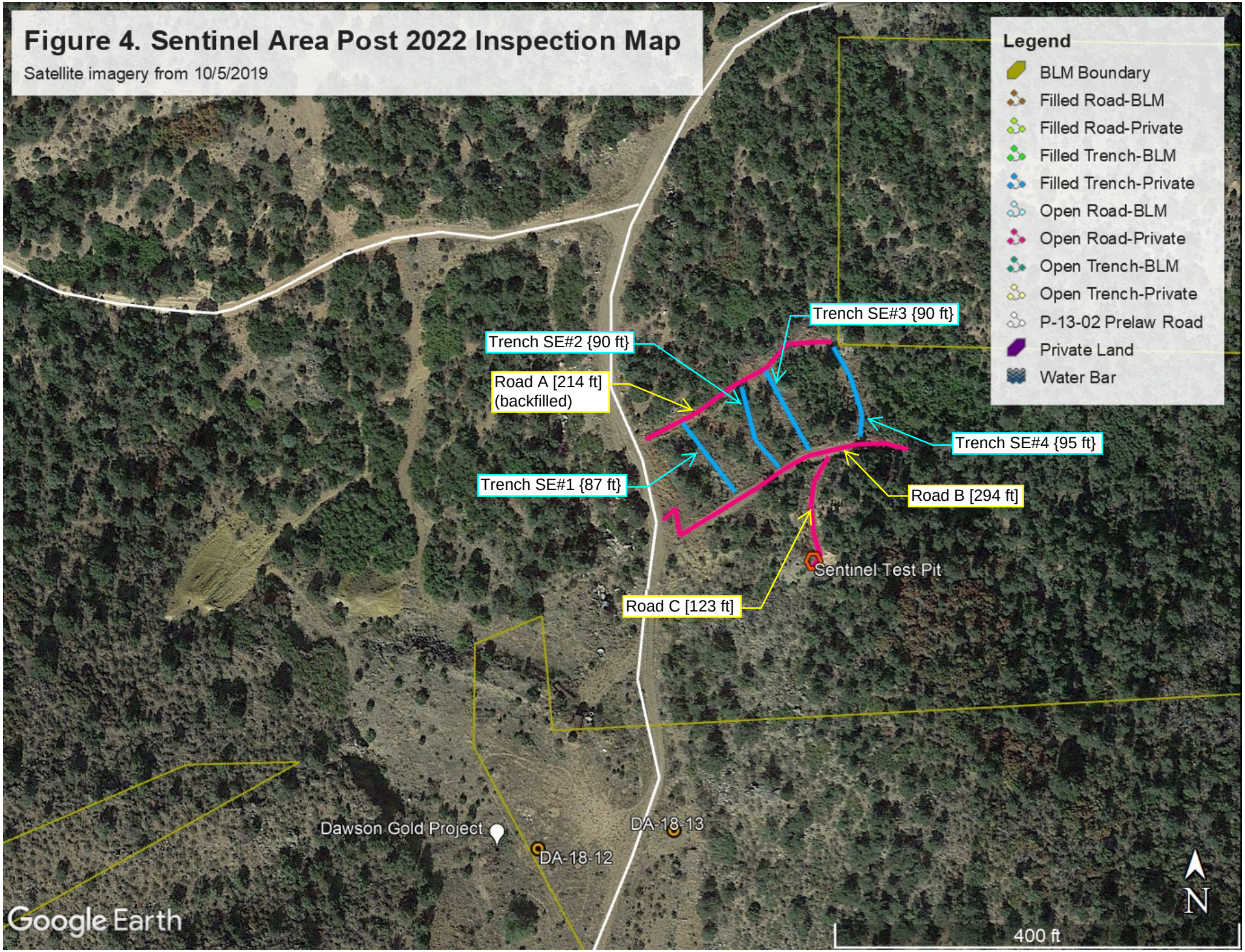


Figure 3. Dawson Mtn. Post 2022 Inspection Map
Satellite imagery from 10/5/2019
CK-18-08
Road A.2 [557 ft]
Road A.1 [131 ft]
DA-18-16
DA-18-14
DA-18-17
DA-18-15
Legend
BLM Boundary
Filled Road-BLM
Filled Road-Private
Filled Trench-BLM
Filled Trench-Private
Open Road-BLM
Open Road-Private
Open Trench-BLM
Open Trench-Private
P-13-02 Prelaw Road
Private Land
Water Bar
Google Earth
N
400 ft

Figure 4. Sentinel Area Post 2022 Inspection Map

Satellite imagery from 10/5/2019



ATTACHMENT A

COST SUMMARY WORK

Task description: **Cost Summary**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None
Date: 10/11/2022 County: Fremont Filename: P002-000
User: TC1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
010	Drill Hole Sealing/Abandonment (two 1,000 ft deep holes)	NA	2	4.66	$5,480
020	Recontour 2 pads (1,000 sqft ea)	LOADER	1	1.30	$243
030b	BLM Trench backfill (10' wide x4' deep x 56' long)	LOADER	1	1.07	$200
030p	Private Trench backfill (10' wide x4' deep x 442' long)	LOADER	1	8.48	$1,575
04A	Haul 312 CY for Road Stabilization & Mix w/ Cat 324	TRUCK1	1	21.00	$8,380
04Cb	Recontour 11.5 x BLM New Roads (723 ft)	EXCAVATE	1	8.11	$1,457
04Cp	Recontour 11.5 x Private New Roads (3,936 ft)	EXCAVATE	1	44.19	$7,936
04Cr	Recontour 11.5 x 7,400ft Remainder New Roads (2,741 ft)	EXCAVATE	1	30.77	$5,527
050b	Reveg 1.88 BLM Acres	REVEGE	1	10.00	$4,167
050p	Reveg 4.68 Private Acres	REVEGE	1	10.00	$10,374
050r	Reveg 1.24 Acres (reserve to total 7.8 Ac.)	REVEGE	1	10.00	$2,749
060	Mob/Demob	MOBILIZE	1	3.56	$4,327
061	"Intra-site" Mob/Demob	MOBILIZE	1	3.00	$2,871
		SUBTOTALS:		**156.14**	**$55,286**

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	$1,117
Performance bond:	1.05	Total =	$581
Job superintendent:	62.68	Total =	$4,709
Profit:	10.00	Total =	$5,529
		TOTAL O & P =	$11,935
		CONTRACT AMOUNT (direct + O & P) =	$67,221

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	$0	Total =	$0
Engineering work and/or contract/bid preparation:	4.25	Total =	$2,857
Reclamation management and/or administration:	5.00		$3,361
CONTINGENCY:	0.00	Total =	$0
		TOTAL INDIRECT COST =	$18,153
		TOTAL BOND AMOUNT (direct + indirect) =	**$73,439**

BOREHOLE SEALING WORK

Task #: 010 — 2 Drill Holes (up to 1,000 ft deep ea.)

Mine: Dawson Gold Project

Date: 10/11/2022

Permit no.: P-2013-002

Prepared by: TC1

Permitting action: AR-1 Bond Estimate

Source of Quantity Take-Off: 9/22/2022 email from EAI

Hole	Hole (Casing) diam. (in)	Total depth (ft)	Hole volume (cf)	# Holes	Cwt of bulk cement (assuming 94 lbs of cement per 1.18 cf of hole, that is 100 lbs of cement fills 1.25 cf)	Cement cost per cwt (CIRCES)	Cement total cost	Rig setup time per hole (hr)	Rig time to fill hole (hrs/hole)	Total rig time (setup + fill) per hole (hr)	Rig w/ crew hourly rate (Circes, Reed drill, 9.0")	Total rig cost	2,500 gal water truck w/driver hourly rate (Circes)	Water truck w/ driver cost (rig fill time x truck rate)	Octoplug (Circes, $33.98 per hole)	Cut surface casing & mark (Circes, $3.26/lf)	% Liab.	Total cost before bond release or increment obligation	Total cost	Total rig time (setup + fill), reduced for liab. %
Uncased Exploration Drill Holes (0 - 1,000ft)	4	1000	87	2	70	$19.95	$1,393	1.50	0.83	2.33	$527.55	$1,230	$51.72	$43	$68	$7	100%	$5,480	$5,480	2.33
										4.66 rig hours						Grand Total			$5,480	2 rig hours
										/ 1 rigs										/ 1 rigs
										4.66 project hours										2 project hours

Assumptions:

Cwt of bulk cement (assuming 94 lbs of cement per 1.18 cf of hole, that is 100 lbs of cement fills 1.25 cf)		1.25
Cement cost per cwt (CIRCES)	$	19.95
Rig setup time per hole (hr)		
Rig w/ crew hourly rate (Circes, SCHRAMM T450WS)	$	527.55
2,500 gal water truck w/driver hourly rate (Circes)	$	51.72
Octoplug (Circes, $ depends on dia.)	$	33.98
Cut surface casing & mark (Circes, $/lf)	$	3.26

WHEEL LOADER – LOAD AND CARRY WORK

Task description: **Recontour 2 pads (1,000 sqft ea)**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 020 State: Colorado Abbreviation: None
Date: 10/11/2022 County: Fremont Filename: 020
User: TC1

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 450E Horsepower: 101
Attachment 1: ROPS Cab Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$89.81	NA
Operating Cost/Hour:	$55.06	100
Operator Cost/Hour:	$40.71	NA
Total Unit Cost/Hour:	$185.58	
Total Fleet Cost/Hour:	$185.58	

MATERIAL QUANTITIES

Initial volume: 148 CCY Swell factor: 1.250
Loose volume: **185** LCY

Source of estimated volume: Response to NOD 12/17/15, but for just 2 pads
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Loader Cycle Time:

Unadjusted Basic Cycle Time (load, dump, maneuver): 0.475 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Bank or broken material 0.04	0.040	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Operation:	Inconsistent operation 0.04	0.040	(Cat HB)
Dump Target:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
	Net Cycle Time Adjustment:	0.080	minutes
	Adjusted Basic Cycle Time:	0.555	minutes

Rolling Resistance – Road Conditions

Haul: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0
Return: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	20	3.00	4.00	7.00	0.0173	(Cat HB)
Return Route:	20	-3.00	4.00	1.00	0.0084	(Cat HB)

Total Travel Time: 0.0257 minutes
Total Cycle Time: **0.5807** minutes

Load Bucket Capacity

Rated Capacity: 1.50 LCY (heaped)
Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity: **1.65** LCY

Job Condition Correction Factors
Site Altitude: 6800 feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production: 170.48 LCY/Hour
Adjusted Hourly Unit Production: 141.50 LCY/Hour
Adjusted Hourly Fleet Production: **141.50** LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: **1.31** Hours

Unit cost: $1.312 /LCY Total job cost: **$243**

WHEEL LOADER – LOAD AND CARRY WORK

Task description: **BLM Trench backfill (10' wide x4' deep x 56' long)**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 030B State: Colorado Abbreviation: None
Date: 10/11/2022 County: Fremont Filename: 030b
User: TC1

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 450E Horsepower: 101
Attachment 1: ROPS Cab Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$89.81	NA
Operating Cost/Hour:	$55.06	100
Operator Cost/Hour:	$40.71	NA
Total Unit Cost/Hour:	$185.58	
Total Fleet Cost/Hour:	$185.58	

MATERIAL QUANTITIES

Initial volume: 100 CCY Swell factor: 1.250
Loose volume: **125** LCY

Source of estimated volume: DRMS - Table 2
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Loader Cycle Time:

Unadjusted Basic Cycle Time (load, dump, maneuver): 0.475 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Bank or broken material 0.04	0.040	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Operation:	Inconsistent operation 0.04	0.040	(Cat HB)
Dump Target:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
	Net Cycle Time Adjustment:	0.080	minutes
	Adjusted Basic Cycle Time:	0.555	minutes

Rolling Resistance – Road Conditions

Haul: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0
Return: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	100	6.00	4.00	10.00	0.1126	(Cat HB)
Return Route:	100	-6.00	5.00	-1.00	0.0422	(Cat HB)

Total Travel Time: 0.1548 minutes
Total Cycle Time: **0.7098** minutes

Load Bucket Capacity

Rated Capacity: 1.50 LCY (heaped)
Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity: **1.65** LCY

Job Condition Correction Factors
Site Altitude: 6800 feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production: 139.47 LCY/Hour
Adjusted Hourly Unit Production: 115.76 LCY/Hour
Adjusted Hourly Fleet Production: **115.76** LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: **1.08** Hours

Unit cost: $1.603 /LCY Total job cost: **$200**

WHEEL LOADER – LOAD AND CARRY WORK

Task description: **Private Trench backfill (10' wide x4' deep x 442' long)**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 030P State: Colorado Abbreviation: None
Date: 10/11/2022 County: Fremont Filename: 030p
User: TC1

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 450E Horsepower: 101
Attachment 1: ROPS Cab Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$89.81	NA
Operating Cost/Hour:	$55.06	100
Operator Cost/Hour:	$40.71	NA
Total Unit Cost/Hour:	$185.58	
Total Fleet Cost/Hour:	$185.58	

MATERIAL QUANTITIES

Initial volume: 786 CCY Swell factor: 1.250
Loose volume: **983** LCY

Source of estimated volume: DRMS - Table 2
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Loader Cycle Time:

Unadjusted Basic Cycle Time (load, dump, maneuver): 0.475 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Bank or broken material 0.04	0.040	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Operation:	Inconsistent operation 0.04	0.040	(Cat HB)
Dump Target:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
	Net Cycle Time Adjustment:	0.080	minutes
	Adjusted Basic Cycle Time:	0.555	minutes

Rolling Resistance – Road Conditions

Haul: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0
Return: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	100	6.00	4.00	10.00	0.1126	(Cat HB)
Return Route:	100	-6.00	5.00	-1.00	0.0422	(Cat HB)

Total Travel Time: 0.1548 minutes
Total Cycle Time: **0.7098** minutes

Load Bucket Capacity

Rated Capacity: 1.50 LCY (heaped)
Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity: **1.65** LCY

Job Condition Correction Factors
Site Altitude: 6800 feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production: 139.47 LCY/Hour
Adjusted Hourly Unit Production: 115.76 LCY/Hour
Adjusted Hourly Fleet Production: **115.76** LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: **8.49** Hours

Unit cost: $1.603 /LCY Total job cost: **$1,575**

HYDRAULIC EXCAVATOR WORK

Task description: **Recontour 11.5 x BLM New Roads (723 ft)**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 04CB State: Colorado Abbreviation: None
Date: 10/11/2022 County: Fremont Filename: 04Cb
User: TC1

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat 324D L 9'-8" Stick
Attachment 1: ROPS Cab

Horsepower: 194
Weight (MT): 24.85
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$84.48	NA
Operating Cost/Hour:	$57.76	100
Operator Cost/Hour:	$37.32	NA
Total Unit Cost/Hour:	$179.56	

Total Fleet Cost/Hour: $179.56

MATERIAL QUANTITIES

Initial volume: 704 CCY Swell factor: 1.000
Loose volume: **704** LCY

Source of estimated volume: 2nd NOD Resp. (2/23/2017), Figure 4// Table 1 & 2 Insp. Rpt
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty):

Basic Job Condition Description: SEVERE
Secondary Job Condition within Basic Description: SEVERE
Cycle Time Value: 0.403 minutes

Load Bucket Capacity

Bucket Size Class: Small

Rated Capacity: 1.56 LCY (heaped)
Bucket Fill Factor: 0.450 Rock - Poorly blasted (40% - 50%) 0.450
Adjusted Capacity: **0.70** LCY

Job Condition Correction Factors

Site Altitude: 6700 feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production: 104.52 LCY/Hour
Adjusted Hourly Unit Production: 86.75 LCY/Hour
Adjusted Hourly Fleet Production: **86.75** LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: **8.12** Hours

Unit cost: $2.070 /LCY Total job cost: **$1,457**

HYDRAULIC EXCAVATOR WORK

Task description: **Recontour 11.5 x Private New Roads (3,936 ft)**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 04CP State: Colorado Abbreviation: None
Date: 10/11/2022 County: Fremont Filename: 04Cp
User: TC1

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat 324D L 9'-8" Stick
Attachment 1: ROPS Cab

Horsepower: 194
Weight (MT): 24.85
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$84.48	NA
Operating Cost/Hour:	$57.76	100
Operator Cost/Hour:	$37.32	NA
Total Unit Cost/Hour:	$179.56	

Total Fleet Cost/Hour: $179.56

MATERIAL QUANTITIES

Initial volume: 3,834 CCY Swell factor: 1.000
Loose volume: **3,834** LCY

Source of estimated volume: 2nd NOD Resp. (2/23/2017), Figure 4// Table 1 & 2 Insp. Rpt
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty):

Basic Job Condition Description: SEVERE
Secondary Job Condition within Basic Description: SEVERE
Cycle Time Value: 0.403 minutes

Load Bucket Capacity

Bucket Size Class: Small

Rated Capacity: 1.56 LCY (heaped)
Bucket Fill Factor: 0.450 Rock - Poorly blasted (40% - 50%) 0.450
Adjusted Capacity: **0.70** LCY

Job Condition Correction Factors Site Altitude: 6700 feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production: 104.52 LCY/Hour
Adjusted Hourly Unit Production: 86.75 LCY/Hour
Adjusted Hourly Fleet Production: **86.75** LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: **44.20** Hours

Unit cost: $2.070 /LCY Total job cost: **$7,936**

HYDRAULIC EXCAVATOR WORK

Task description: **Recontour 11.5 x 7,400ft Remainder New Roads (2,741 ft)**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 04CR State: Colorado Abbreviation: None
Date: 10/18/2022 County: Fremont Filename: P002-04Cr
User: TC1

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat 324D L 9'-8" Stick
Attachment 1: ROPS Cab

Horsepower: 194
Weight (MT): 24.85
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$84.48	NA
Operating Cost/Hour:	$57.76	100
Operator Cost/Hour:	$37.32	NA
Total Unit Cost/Hour:	$179.56	

Total Fleet Cost/Hour: $179.56

MATERIAL QUANTITIES

Initial volume: 2,670 CCY Swell factor: 1.000
Loose volume: **2,670** LCY

Source of estimated volume: 2nd NOD Resp. (2/23/2017), Table 1 & 2 Insp. Rpt
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty):

Basic Job Condition Description: SEVERE
Secondary Job Condition within Basic Description: SEVERE
Cycle Time Value: 0.403 minutes

Load Bucket Capacity

Bucket Size Class: Small

Rated Capacity: 1.56 LCY (heaped)
Bucket Fill Factor: 0.450 Rock - Poorly blasted (40% - 50%) 0.450
Adjusted Capacity: **0.70** LCY

Job Condition Correction Factors Site Altitude: 6700 feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production: 104.52 LCY/Hour
Adjusted Hourly Unit Production: 86.75 LCY/Hour
Adjusted Hourly Fleet Production: **86.75** LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: **30.78** Hours

Unit cost: $2.070 /LCY Total job cost: **$5,527**

REVEGETATION WORK

Task description: **Reveg 1.88 BLM Acres**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 050B State: Colorado Abbreviation: None
Date: 10/11/2022 County: Fremont Filename: 050b
User: TC1

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			$	$
			Total Fertilizer Materials Cost/Acre	**$0.00**

Application

Description	Cost /Acre
	$
Total Fertilizer Application Cost/Acre	**$0.00**

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	$117.18
Total Tilling Cost/Acre	**$117.18**

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	0.90	14.69	$14.38
Indian Ricegrass - Nespar	2.00	6.47	$17.75
Sand Dropseed	0.20	23.88	$1.95
Little Bluestem - Pastura	2.80	16.71	$37.75
Sideoats Grama - Vaughn	5.40	17.73	$45.23
Bottlebrush Squirreltail	0.90	3.97	$14.60
Needle and Thread	1.10	2.90	$46.04
Totals Seed Mix	13.30	86.35	**$177.69**

Application

Description	Cost /Acre
Broadcast seeding [DMG]	$267.22
Total Seed Application Cost/Acre	**$267.22**

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	$421.36	$842.72
Total Mulch Materials Cost/Acre				**$842.72**

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	$73.00
Total Mulch Application Cost/Acre	**$73.00**

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					$
Totals Nursery Stock Cost / Acre					**$0.00**

JOB TIME AND COST

No. of Acres: 1.88 Cost /Acre: $1,477.81
Estimated Failure Rate: 50% Cost /Acre*: $1,477.81
*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **$2,778.28**
Reseeding Job Cost: **$1,389.14**
Total Job Cost: **$4,167**
Job Hours: **10.00**

REVEGETATION WORK

Task description: **Reveg 4.68 Private Acres**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 050P State: Colorado Abbreviation: None
Date: 10/11/2022 County: Fremont Filename: 050p
User: TC1

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			$	$
			Total Fertilizer Materials Cost/Acre	**$0.00**

Application

Description	Cost /Acre
	$
Total Fertilizer Application Cost/Acre	**$0.00**

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	$117.18
Total Tilling Cost/Acre	**$117.18**

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	0.90	14.69	$14.38
Indian Ricegrass - Nespar	2.00	6.47	$17.75
Sand Dropseed	0.20	23.88	$1.95
Little Bluestem - Pastura	2.80	16.71	$37.75
Sideoats Grama - Vaughn	5.40	17.73	$45.23
Bottlebrush Squirreltail	0.90	3.97	$14.60
Needle and Thread	1.10	2.90	$46.04
Totals Seed Mix	13.30	86.35	**$177.69**

Application

Description	Cost /Acre
Broadcast seeding [DMG]	$267.22
Total Seed Application Cost/Acre	**$267.22**

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	$421.36	$842.72
Total Mulch Materials Cost/Acre				**$842.72**

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	$73.00
Total Mulch Application Cost/Acre	**$73.00**

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					$
Totals Nursery Stock Cost / Acre					**$0.00**

JOB TIME AND COST

No. of Acres: 4.68 Cost /Acre: $1,477.81
Estimated Failure Rate: 50% Cost /Acre*: $1,477.81
*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **$6,916.15**
Reseeding Job Cost: **$3,458.08**
Total Job Cost: **$10,374**
Job Hours: **10.00**

REVEGETATION WORK

Task description: **Reveg 1.24 Acres (reserve to total 7.8 Ac.)**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 050R State: Colorado Abbreviation: None
Date: 10/11/2022 County: Fremont Filename: P002-050r
User: TC1

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			$	$
			Total Fertilizer Materials Cost/Acre	**$0.00**

Application

Description	Cost /Acre
	$
Total Fertilizer Application Cost/Acre	**$0.00**

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	$117.18
Total Tilling Cost/Acre	**$117.18**

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	0.90	14.69	$14.38
Indian Ricegrass - Nespar	2.00	6.47	$17.75
Sand Dropseed	0.20	23.88	$1.95
Little Bluestem - Pastura	2.80	16.71	$37.75
Sideoats Grama - Vaughn	5.40	17.73	$45.23
Bottlebrush Squirreltail	0.90	3.97	$14.60
Needle and Thread	1.10	2.90	$46.04
Totals Seed Mix	13.30	86.35	**$177.69**

Application

Description	Cost /Acre
Broadcast seeding [DMG]	$267.22
Total Seed Application Cost/Acre	**$267.22**

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	$421.36	$842.72
Total Mulch Materials Cost/Acre				**$842.72**

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	$73.00
Total Mulch Application Cost/Acre	**$73.00**

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					$
Totals Nursery Stock Cost / Acre					**$0.00**

JOB TIME AND COST

No. of Acres: 1.24 Cost /Acre: $1,477.81
Estimated Failure Rate: 50% Cost /Acre*: $1,477.81
*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **$1,832.48**
Reseeding Job Cost: **$916.24**
Total Job Cost: **$2,749**
Job Hours: **10.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **Mob/Demob**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 060 State: Colorado Abbreviation: None
Date: 10/11/2022 County: Fremont Filename: 060
User: TC1

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	$15.25	$23.06	$37.58
Operating Cost/Hour:	$25.26	$30.83	$51.41
Operator Cost/Hour:	$27.71	$27.71	$27.71
Helper Cost/Hour:	$0.00	$20.22	$20.22
Total Unit Cost/Hour:	$68.22	$101.82	$136.92

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
SCHRAMM T450WS	0.00	$258.41	$68.22	1	$326.63	$68.22	$250.00
Power Mulcher (Bowie LD-90)	6.00	$14.79	$68.22	1	$83.01	$68.22	$250.00
CAT 450E	9.80	$89.81	$68.22	1	$158.03	$68.22	$250.00
Cat 324D L 9'-8" Stick	27.33	$84.48	$101.82	1	$186.30	$101.82	$250.00
Subtotals:					**$753.97**	**$306.48**	**$1,000.00**

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Water Tanker, 2,500 Gal.	$30.60	1	$30.60	$30.60
Generic 2-4 cy, 4x2	$69.09	2	$138.18	$138.18
Subtotals:			**$168.78**	**$168.78**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	CAÑON CITY	
Total one-way travel distance:	8.00	miles
Average Travel Speed:	12.50	mph

Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	$4,111.35
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	$216.04

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.64	0.64
Return Time (Hours):	0.64	0.64
Loading Time (Hours):	0.25	NA
Unloading Time (Hours):	0.25	NA
Subtotals:	1.78	1.28

JOB TIME AND COST

Total job time:	**3.56**	Hours
Total job cost:	**$4,327**	

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **"Intra-site" Mob/Demob**

Site: **Dawson Gold Project** Permit Action: AR-1 Permit/Job#: P2013002

PROJECT IDENTIFICATION

Task #: 061 State: Colorado Abbreviation: None
Date: 10/11/2022 County: Fremont Filename: 061
User: TC1

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	$15.25	$23.06	$37.58
Operating Cost/Hour:	$25.26	$30.83	$51.41
Operator Cost/Hour:	$27.71	$27.71	$27.71
Helper Cost/Hour:	$0.00	$20.22	$20.22
Total Unit Cost/Hour:	$68.22	$101.82	$136.92

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
SCHRAMM T450WS	0.00	$258.41	$68.22	1	$326.63	$68.22	$250.00
Power Mulcher (Bowie LD-90)	6.00	$14.79	$68.22	1	$83.01	$68.22	$250.00
CAT 450E	9.80	$89.81	$68.22	1	$158.03	$68.22	$250.00
Subtotals:					**$567.67**	**$204.66**	**$750.00**

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Water Tanker, 2,500 Gal.	$30.60	1	$30.60	$30.60
Subtotals:			**$30.60**	**$30.60**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	PAD TO PAD/TRENCH TO TRENCH	
Total one-way travel distance:	1.50	miles
Average Travel Speed:	3.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	$2,840.00	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	$30.60	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.50	0.50
Return Time (Hours):	0.50	0.50
Loading Time (Hours):	0.25	NA
Unloading Time (Hours):	0.25	NA
Subtotals:	1.50	1.00

JOB TIME AND COST

Total job time: **3.00** Hours

Total job cost: **$2,871**