



**COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY  
COAL PROGRAM INSPECTION REPORT**



**PERMIT INFORMATION**

<b>Permit Number:</b> C-1992-080 <b>Mine Name:</b> Carbon Junction Mine <b>Operator:</b> Oakridge Energy, Inc. <b>Operator Address:</b> Mr. Michael S Savage 4610 Haystack Drive Windsor, CO 80550	<b>County:</b> La Plata <b>Operation Type:</b> Surface <b>Permit Status:</b> Inactive <b>Ownership:</b> Private
<b>Operator Representative Present:</b>  None (Aerial Inspection)	
<b>Operator Representative Signature: (Field Issuance Only)</b>  This report was issued electronically from the Division's Durango Field Office.	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> July 23, 2013 <b>Inspection Start Time:</b> 13:49 <b>Inspection End Date:</b> July 23, 2013 <b>Inspection End Time:</b> 13:50	<b>Inspection Type:</b> Aerial Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Cloudy	
<b>Joint Inspection Agency:</b>  None	<b>Joint Inspection Contacts:</b>	
<b>Post Inspection Agency:</b>  None	<b>Post Inspection Contacts:</b>	
<b>Inspector(s):</b>  Marcia L. Talvitie, P.E.	<b>Inspector's Signature:</b>  	<b>Signature Date:</b>  30 July 2013

**Inspection Topic Summary**

NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable

NA - Air Resource Protection

N - Availability of Records

N - Backfill &amp; Grading

Y - Excess Spoil and Dev. Waste

NA - Explosives

N - Fish &amp; Wildlife

R - Hydrologic Balance

NA - Gen. Compliance With Mine Plan

NA - Other

NA - Processing Waste

Y - Roads

Y - Reclamation Success

R - Revegetation

NA - Subsidence

Y - Slides and Other Damage

NA - Support Facilities On-site

N - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

N - Topsoil

**COMMENTS**

An aerial inspection of the Carbon Junction Mine was conducted in July 2013 by DRMS personnel. Photos were taken by Harry Ranney on Tuesday, July 23, 2013, and were later analyzed and annotated by Marcia Talvitie.

**HYDROLOGIC BALANCE - Rule 4.05**

Drainage Control 4.05.1, 4.05.2, 4.05.3; Siltation Structures 4.05.5, 4.05.6; Discharge Structures 4.05.7, 4.05.10; Diversions 4.05.4; Effluent Limits 4.05.2; Ground Water Monitoring 4.05.13; Surface Water Monitoring 4.05.13; Drainage – Acid and Toxic Materials 4.05.8; Impoundments 4.05.6, 4.05.9; Stream Buffer Zones 4.05.18:

- Within the past two weeks, Southwestern Colorado has entered a light monsoon season. No standing water was observed within the permit area, and the overall appearance continues to be very dry.
- Features previously identified as being in need of attention are identified in the various photos, i.e. the Carbon Junction Permanent Diversion, the Upper Carbon Junction Channel, and the Temporary Diversion Berm.
- The Division understands that Oakridge is presently developing plans which will be submitted as revision(s) to the permit.

**REVEGETATION – Rule 4.15**

Vegetative Cover; Timing:

- Due to the dry weather conditions that have prevailed in 2013, all of the revegetated areas appear brown in the photos.

**ENFORCEMENT ACTIONS/COMPLIANCE****Infraction Number:** CV2013005

Inspection Date: April 30, 2013

Date Issued: May 28, 2013

Primary Topic: Hydrologic Balance

Secondary Topic:

Tertiary Topic:

Description: Failure to Minimize Damage to the Prevailing Hydrologic Balance Within the Permit Area.

Abatement #: 1

Abatement Due Date: 7/1/2013

Abatement Description: Submit a complete Technical Revision to the permit that accurately represents the as-built configuration of the Carbon Junction Permanent Diversion, with supporting design details per Rule 4.05.3. This revision shall also include an updated, accurate post-mining topography map for the entire permit area and a map delineating the Carbon Junction drainage area.

Abatement #: 2

Abatement Due Date: 7/1/2013

Abatement Description: Submit a complete Technical Revision to the permit that presents designs and plans for reestablishment of the Upper Carbon Junction Channel, including the un-named tributary that enters the drainage from the east, and reclamation and stabilization of the Carbon Junction Temporary Diversion and gully erosion. [The Upper Carbon Junction channel segment runs from the undisturbed channel upstream of the North Pit down to the beginning of the rip-rapped Carbon Junction Permanent Diversion, a distance of approximately 1900 feet.]

Abatement #: 3

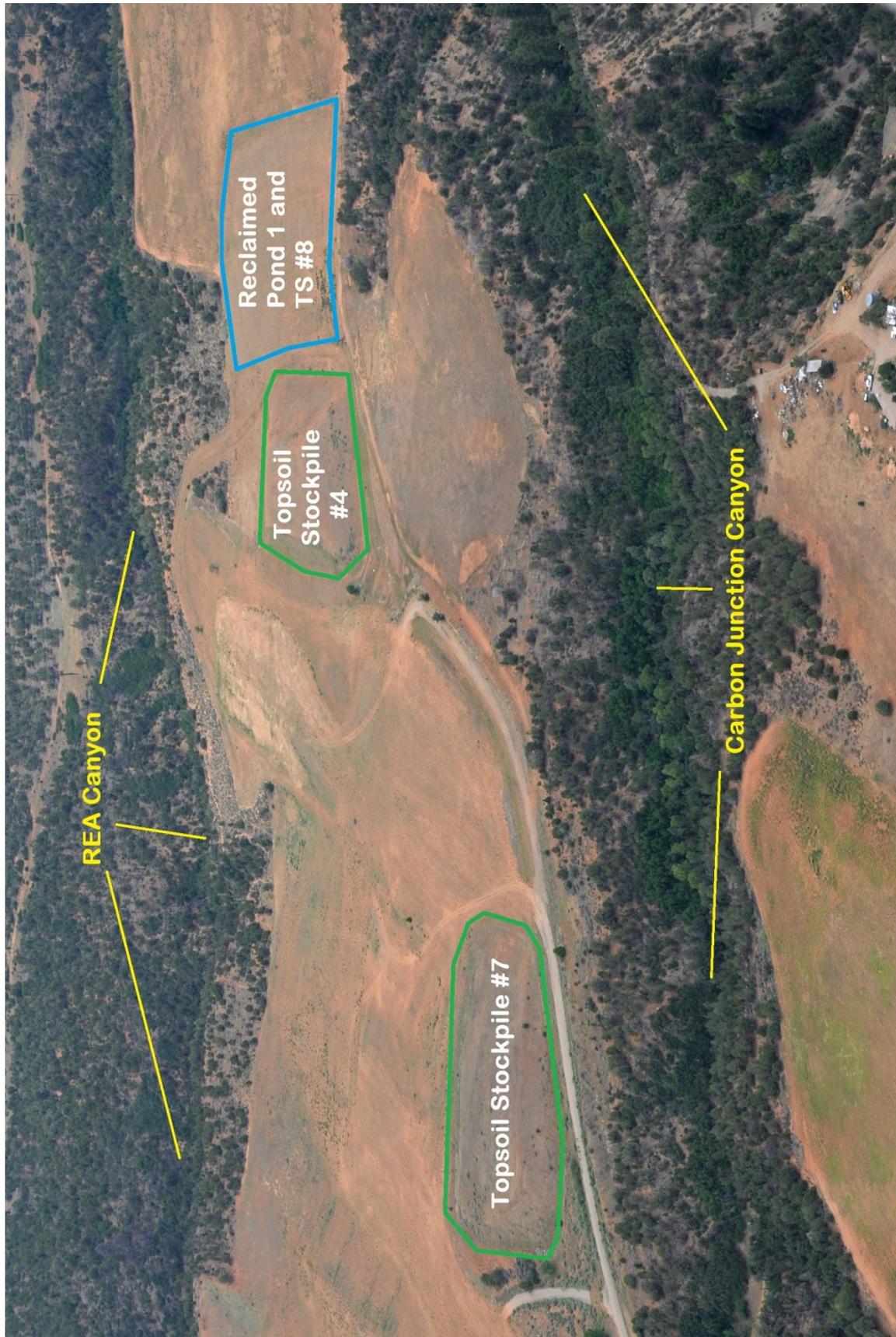
Abatement Due Date: 8/21/2013

Abatement Description: Repair and stabilize the gully erosion that has formed in the Carbon Junction Temporary Diversion, according to the approved plan required by Abatement Step #2.

Abatement #: 4

Abatement Due Date: 8/21/2013

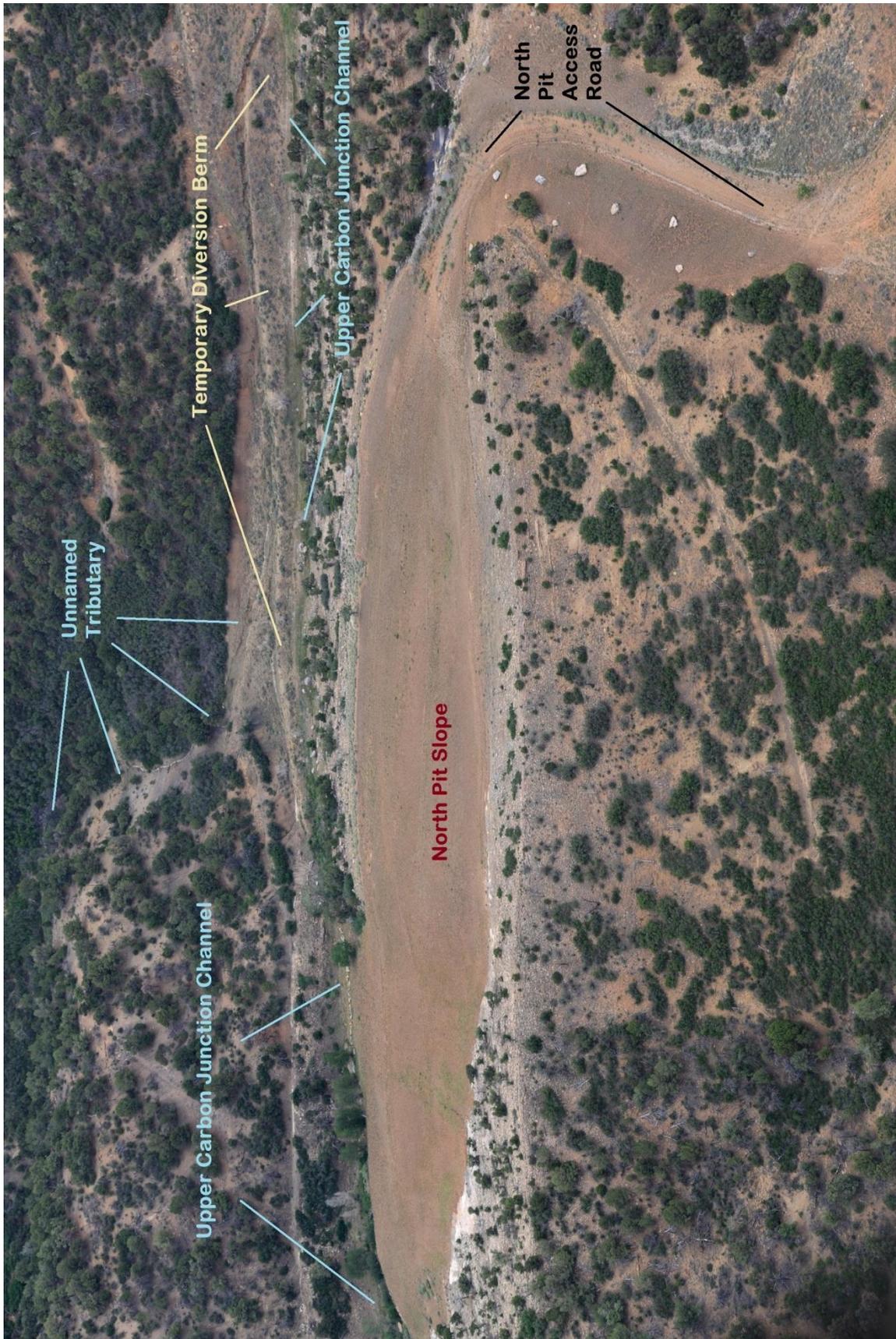
Abatement Description: Reestablish the Upper Carbon Junction Channel, including the un-named tributary that enters the drainage from the east, according to the approved plan required by Abatement Step #2.



Looking South across the southern end of the permit area

Number of Partial Inspection this Fiscal Year: 1

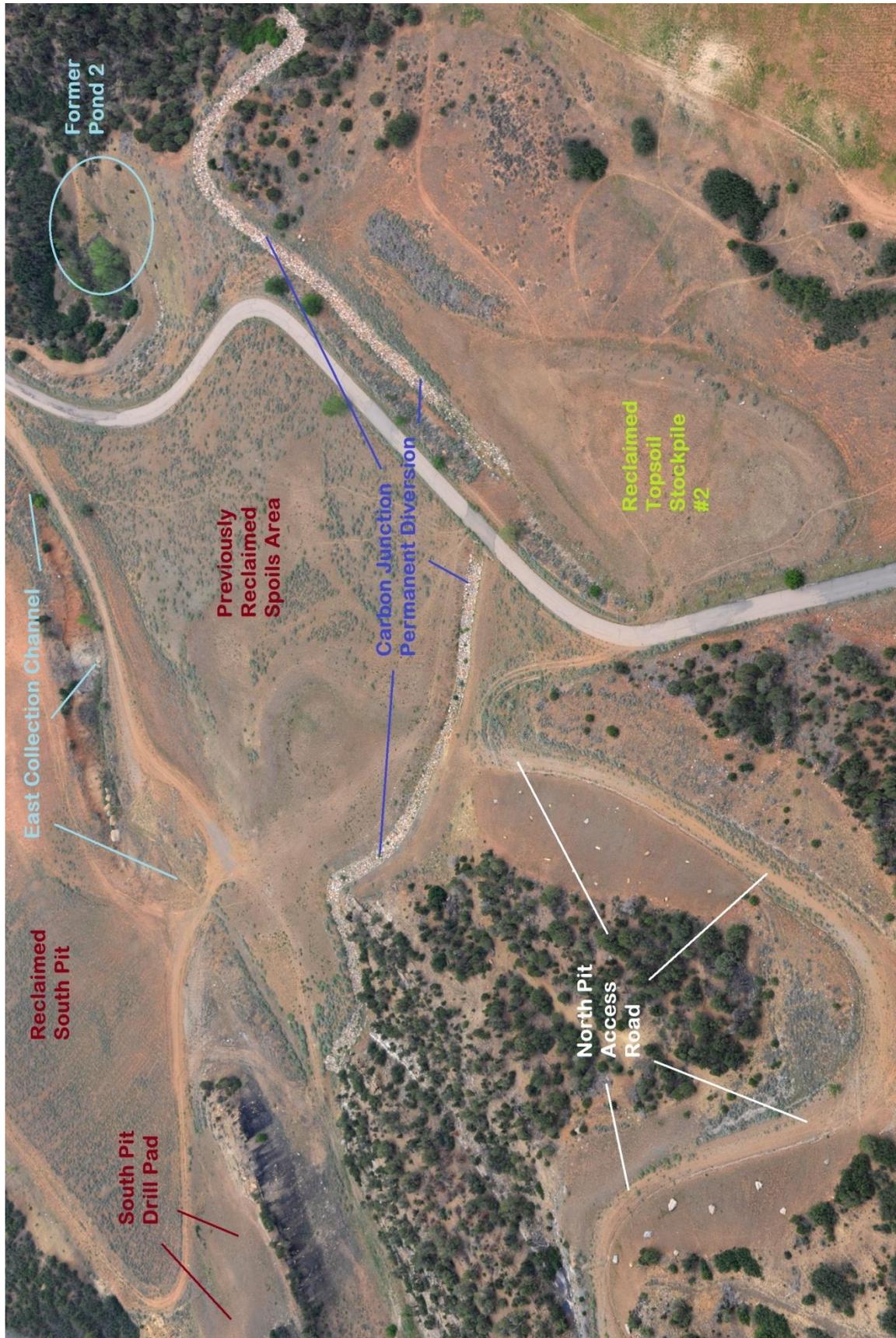
Number of Complete Inspections this Fiscal Year: 0



Looking South, down the face of the reclaimed North Pit

Number of Partial Inspection this Fiscal Year: 1

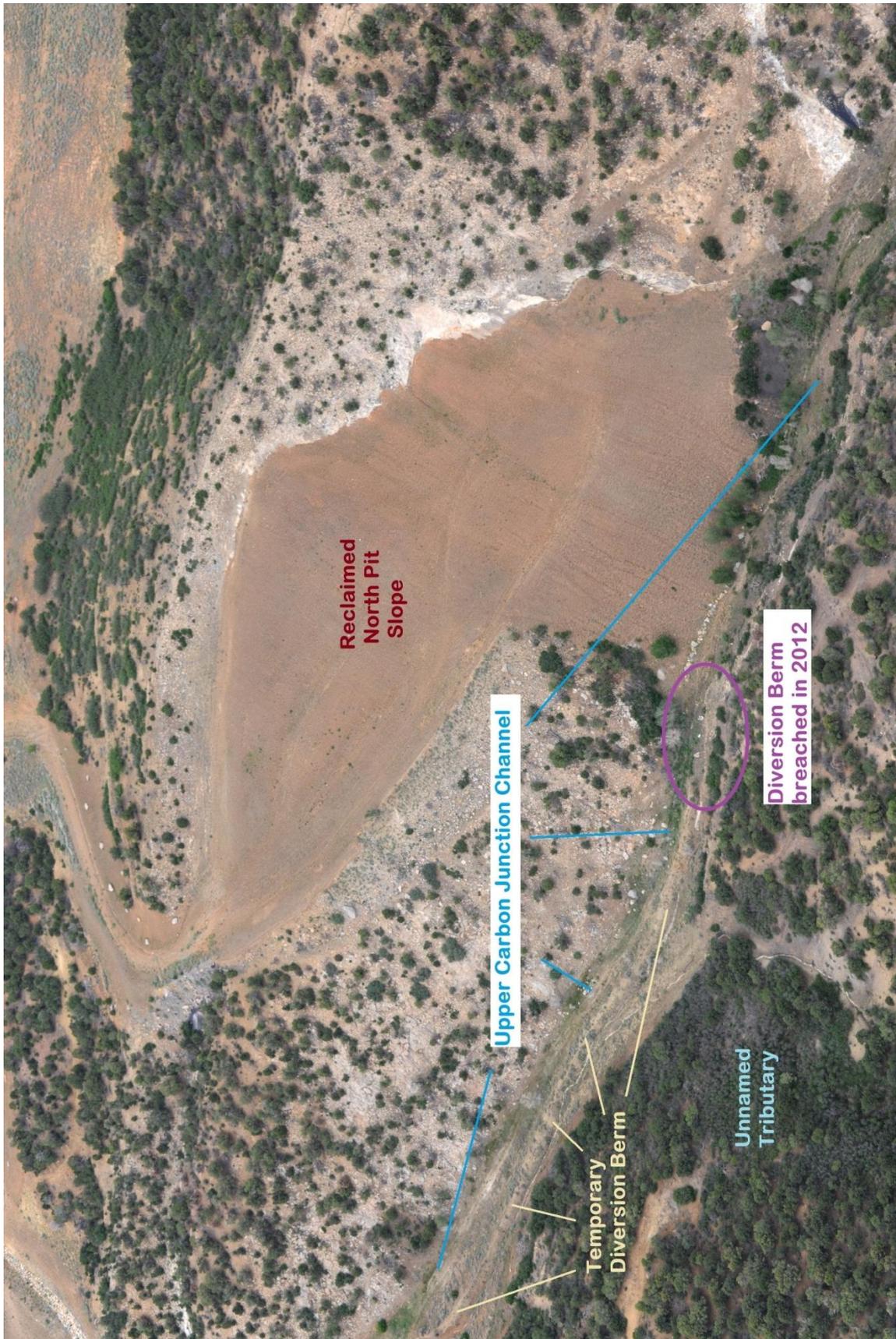
Number of Complete Inspections this Fiscal Year: 0



Central permit area, looking South

Number of Partial Inspection this Fiscal Year: 1

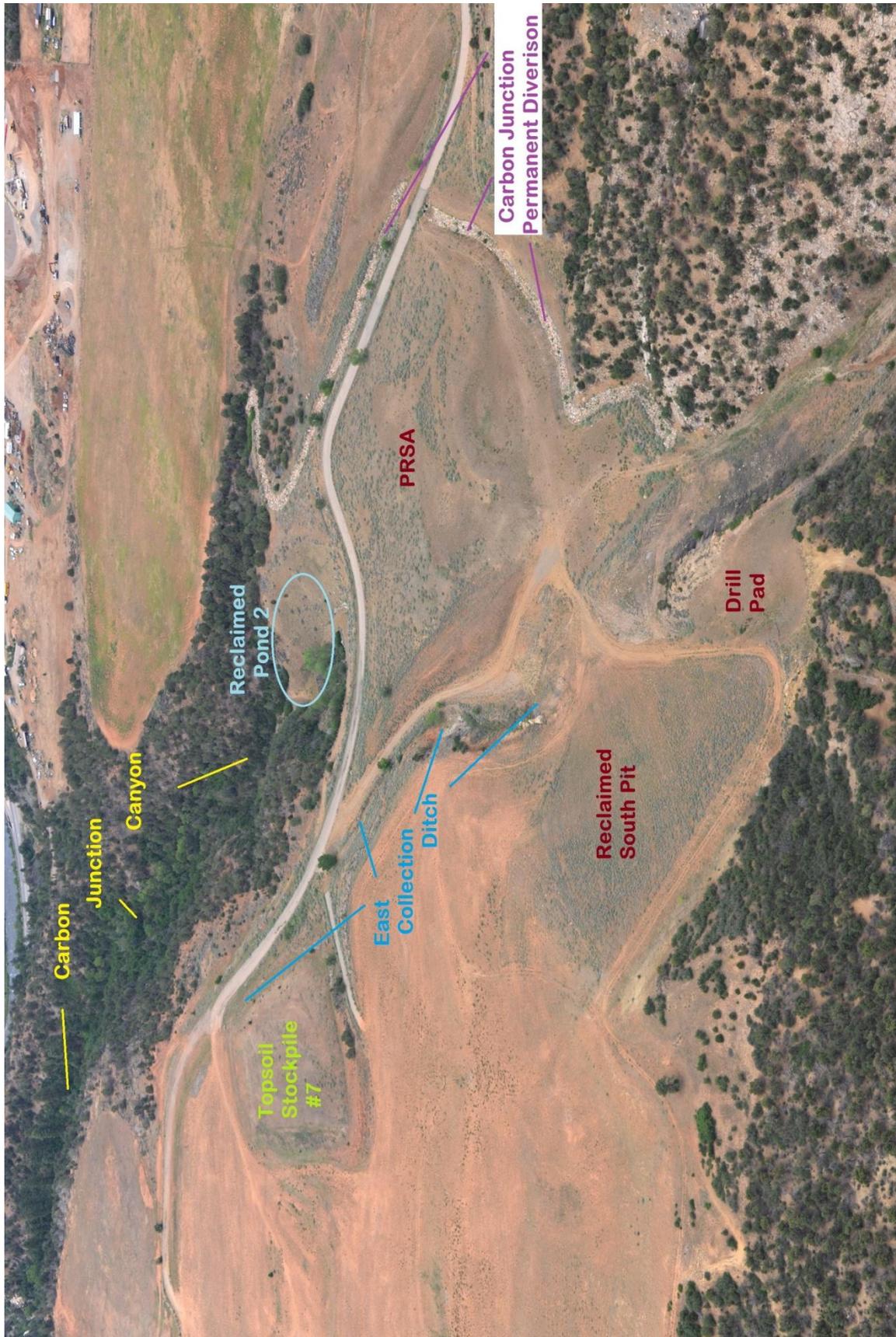
Number of Complete Inspections this Fiscal Year: 0



Looking North at the reclaimed North Pit slope

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 0



Looking SW down Carbon Junction Canyon

Number of Partial Inspection this Fiscal Year: 1  
Number of Complete Inspections this Fiscal Year: 0