

**WILDERNESS CHARACTERISTICS INVENTORY**  
**APPENDIX A – PERMANENT DOCUMENTATION FILE**

The permanent documentation file should include the following:

1. **Inventory Area Evaluation:** Appendix B.
2. **Route Analysis:** Appendix C.
3. **Inventory Maps:** Inventory maps used in conducting and documenting findings of wilderness characteristics inventories must be retained. Maps should depict the area's unique identifier, boundary, and any photo points.
4. **Photo Documentation:** Documentation could include a descriptive log and photographs (Appendix D).
5. **Supporting Documentation:** Include additional notes, forms, and documents.

**WILDERNESS CHARACTERISTICS INVENTORY**  
**APPENDIX B – INVENTORY AREA EVALUATION**

**Evaluation of Current Conditions:**

1) Document and review any existing BLM wilderness characteristics inventory findings on file regarding the presence or absence of individual wilderness characteristics, using Form 1, below.

2) Consider relevant information regarding current conditions available in the office. Identify and describe any changes to the existing inventory information. Use interdisciplinary team knowledge, aerial photographs, field observations, maps, etc. and document the findings on Form 2, below. Document current conditions regarding wilderness characteristics, as opposed to potential future conditions.

Conduct field reviews as necessary to verify information and to ascertain current conditions. Reach conclusions on current conditions including boundaries, size of areas and presence or absence of wilderness characteristics. Fully explain the basis for each conclusion on Form 2, including any critical differences between BLM and citizen information.

Document the findings regarding current conditions for each inventoried area. Describe how the present conditions are similar to, or have changed from, the conditions documented in the original wilderness characteristics inventory. Document the findings on Form 2 for each inventory area. Cite to or attach data considered, including photographs, maps, GIS layers, field trip notes, project files, etc.

**FORM 1** - NOSR Production Area Units (303-A, 303-B, 307-A)

**Documentation of BLM Wilderness Characteristics Inventory Findings from Previous Inventory on Record**

**1. Is there existing BLM wilderness characteristics inventory information on all or part of this area?**

No \_\_\_\_\_ (Go to Form 2) Yes  X  (If yes, and if more than one area is within the area, list the unique identifiers for those areas.):

a) **Inventory Source:** NOSR Production Area Supplemental Wilderness Inventory October 1998

b) **Inventory Area Unique Identifier(s):** NOSR Production Area Units (303-A, 303-B, 307-A)

c) **Map Name(s)/Number(s):** \_\_\_\_\_

d) **BLM District(s)/Field Office(s):** Northwest District/CRVFO

**2. BLM Inventory Findings on Record:**

Existing inventory information regarding wilderness characteristics (if more than one BLM inventory area is associated with the area, list each area and answer each question individually for each inventory area):

Inventory Source: Naval Oil Shale Reserve Production Area Wilderness Inventory Supplement

| Area Unique Identifier | Sufficient Size? Yes/No (acres) | Naturalness? Yes/No | Outstanding Solitude? Yes/No | Outstanding Primitive & Unconfined Recreation? Yes/No | Supplemental Values? Yes/No | Conclusion, Does area have Wilderness Character? |
|------------------------|---------------------------------|---------------------|------------------------------|---|-----------------------------|--|
| CO-070-303-A           | YES                             | NO                  | NO                           | NO  | YES                         | NO   |
| CO-070-303-B           | YES                             | NO                  | NO                           | NO  | YES                         | NO   |
| CO-070-307-A           | YES                             | NO                  | NO                           | NO  | YES                         | NO   |
|                        |                                 |                     |                              |   |                             |  |
|                        |                                 |                     |                              |   |                             |  |
|                        |                                 |                     |                              |   |                             |  |



**FORM 2** - NOSR Production Area Units (Unit 303-A, 303-B, and 307-A)**Current Conditions: Presence or Absence of Wilderness Characteristics**

## NOSR Production

Area Unique Identifier Area Units \_\_\_\_\_ Acreage 15,985 acres \_\_\_\_\_

(If the inventory area consists of subunits, list the acreage of each and evaluate each separately).

In completing steps (1)-(5), use additional space as necessary.

(1) Is the area of sufficient size? (If the area meets one of the exceptions to the size criterion, check "Yes" and describe the exception in the space provided below),

Yes X No \_\_\_\_\_

Note: If "No" is checked the area does not have wilderness characteristics; check "NA" for the remaining questions below.

Description (describe the boundaries of the area--wilderness inventory roads, property lines, etc.): CO-070-303 consists of 10,591 acres of public land. It is divided by the MaHaffee road into two subunits that are over 5,000 acres. The MaHaffee road has been regularly maintained to access gas wells on private lands north of the Production Area. Sub-unit 303-A is 5,302 acres and Sub-unit 303-B is 5,289 acres. 303-B is bordered to the east by the Anvil Points Oil Shale Mines road. CO-070-307-A is 5,394 acres. The JQS and Fravert roads are maintained regularly by the County and BLM. Other Sub-units in CO-070-307 are less than 5,000 acres or are considered in the Southeast Cliff Unit.

(2) Does the area appear to be natural?

Yes \_\_\_\_\_ No X N/A \_\_\_\_\_

Note: If "No" is checked the area does not have wilderness characteristics; check "NA" for the remaining questions below.

Description (include land ownership, location, topography, vegetation, and summary of major human uses/activities): The naturalness is substantially impaired in the lower elevations by the cumulative effect of the closely spaced existing gas development facilities and associated roads. The upper steeper slopes are undeveloped and roadless, with naturalness relatively unimpaired; but this portion is less than 5,000 acres in Unit 303-A and 303-B. The remaining acres in the steep slopes of 307-A are undeveloped and roadless, but it is narrow and fragmented because of land ownership pattern, and its character is influenced by the adjacent developed lands. Those acres that did contain naturalness in 307-A are described in the Southeast Cliff Unit Forms.

(3) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for solitude?

Yes \_\_\_\_\_ No   X   N/A \_\_\_\_\_

Description (describe the area's outstanding opportunities for solitude):

Capability for primitive or semiprimitive opportunities for solitude is very limited and lacks outstanding opportunities. The recreation setting in the area is classified as Roaded Natural, according to the Recreation Opportunity Spectrum system.

---

---

(4) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for primitive and unconfined recreation?

Yes \_\_\_\_\_ No X N/A \_\_\_\_\_

Note: If "No" is checked for both 3 and 4 the area does not have wilderness characteristics; check "NA" for question 5.

Description (describe the area's outstanding opportunities for primitive and unconfined recreation): The area lacks outstanding opportunities for primitive and unconfined recreation. Capability for primitive or semiprimitive opportunities is very limited. The recreation setting in the area is classified as Roaded Natural, according to the Recreation Opportunity Spectrum system.

---

---

(5) Does the area have supplemental values (ecological, geological, or other features of scientific, educational, scenic or historical value)?

Yes X No \_\_\_\_\_ N/A \_\_\_\_\_

Description: The area contains the Eocene Green River and Paleocene Wasatch formations which are known to contain scientifically important invertebrate and vertebrate fossils. Significant caves and sinkholes are found in Unit 307-A. A meteor impact site is found on the steep slope near the head of Yellow Slide Gulch.

---

---

### Summary of Analysis\*

**Area Unique Identifier:** NOSR Production Area Units (Unit 303-A, 303-B, and 307-A)

#### Summary

Results of analysis:

(Note: explain the inventory findings for the entirety of the inventory unit. When wilderness characteristics have been identified in an area that is smaller than the size of the total inventory unit, explain why certain portions of the inventory unit are not included within the lands with wilderness characteristics (e.g. the inventory found that certain parts lacked naturalness).

1. Does the area meet any of the size requirements?  Yes      \_\_\_ No
2. Does the area appear to be natural?                      \_\_\_ Yes       No      \_\_\_ N/A
3. Does the area offer outstanding opportunities for solitude or a primitive and unconfined type of recreation?                      \_\_\_ Yes       No      \_\_\_ N/A
4. Does the area have supplemental values?                       Yes      \_\_\_ No      \_\_\_ N/A

Check one:

\_\_\_ The area, or a portion of the area, has wilderness characteristics and is identified as lands with wilderness characteristics.

The area does not have wilderness characteristics.

#### Prepared by (team members):

Kimberly Miller - Outdoor Recreation Planner 5/2014

Faith Dziedzic - GIS Specialist 5/2014

Julie McGrew - Natural Resource Specialist 5/2014

Greg Wolfgang - Outdoor Recreation Planner 5/2014

Samantha Dinar - Park Ranger Intern 5/2014

**(Name, Title, Date)**

#### Reviewed by (District or Field Manager):

\* This form documents information that constitutes an inventory finding on wilderness characteristics. It does not represent a formal land use allocation or a final agency decision subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

Name: 

Title: Field Manager

Date: AUG 15 2014

**WILDERNESS CHARACTERISTICS INVENTORY**

**APPENDIX C – ROUTE ANALYSIS<sup>1</sup>**

*(Factors to consider when determining whether a route is a road<sup>2</sup> for wilderness characteristics inventory purposes.)*

Wilderness Characteristics Inventory Area Unique Identifier: NOSR Production Area Units

Route or Route Segment<sup>3</sup> Name and/or Identifier: All routes to well pads  
(Include Transportation Plan Identifier, if known, and include route number supplied by citizen information, when available.)

**I. LOCATION:** Refer to attached map \_\_\_\_\_ and BLM corporate data (GIS). List photo point references (where applicable) or reference attached photo log:

Describe: See attached Map  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**II. ROUTE CONTEXT**

**A. Current Purpose<sup>4</sup> (if any) of Route:** (Examples: Rangeland/Livestock Improvements (stock tank, developed spring, reservoir, fence, corral), Inholdings (ranch, farmhouse), Mine

<sup>1</sup> This form documents information that constitutes an inventory finding on wilderness characteristics. It does not represent a formal land use allocation or a final agency decision subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

<sup>2</sup> Road: An access route which has been improved and maintained by mechanical means to insure relatively regular and continuous use. A way maintained solely by the passage of vehicles does not constitute a road.

a. Improved and maintained – Actions taken physically by people to keep the road open to vehicle traffic. “Improved” does not necessarily mean formal construction. “Maintained” does not necessarily mean annual maintenance.

b. Mechanical means – Use of hand or power machinery or tools.

c. Relatively regular and continuous use – Vehicular use that has occurred and will continue to occur on a relatively regular basis. Examples are: access roads for equipment to maintain a stock water tank or other established water sources, access roads to maintained recreation sites or facilities, or access roads to mining claims.

<sup>3</sup> If a portion of a route is found to meet the wilderness inventory road criteria (see Part III) and the remainder does not meet these criteria (e.g., a cherrystem road with a primitive route continuing beyond a certain point), identify each segment and explain the rationale for the separate findings under pertinent criteria.

Site, Concentrated Use Site (camp site), Recreation, Utilities (transmission line, telephone, pipeline), Administrative (project maintenance, communication site, vegetation treatment)).

Describe: Oil and Gas Facility Access  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. Right-of-Way (ROW):**

1. Is there a ROW associated with this route?

Yes \_\_\_ No \_\_\_ Unknown X

2. If yes, what is the stated purpose of the ROW? ROW may be required if not all development is on federal ownership.  
\_\_\_\_\_

3. Is the ROW still being used for this purpose?

Yes \_\_\_ No \_\_\_ Unknown or N/A X

Explain: \_\_\_\_\_  
\_\_\_\_\_

**III. WILDERNESS INVENTORY ROAD CRITERIA**

A. Evidence of construction or improvement using mechanical means:

Yes X (if either A.1 or A.2 is checked "yes" below) No \_\_\_ (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) Yes X No \_\_\_

Examples: Paved \_\_\_ Bladed X Graveled X Roadside Berms X Cut/Fill X Other \_\_\_

Describe: BLM Conditions of Approval include a road construction and maintenance condition that is in addition to all stipulations attached to Federal leases and individual well pads. Roads shall be

<sup>4</sup> The purpose of a route is not a deciding factor in determining whether a route is a road for wilderness characteristics inventory purposes. The purpose of a route does provide context for factors on which such a determination may be based, particularly the question of whether maintenance of the route ensures relatively regular and continuous use. The purpose also helps to determine whether maintenance that may so far have been unnecessary to ensure such use would be approved by BLM when the need arises.

crowned, ditched, surfaced, drained with culverts and/or water dips, and constructed to BLM Gold Book standards.

---

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?) Yes X No \_\_\_\_ If "yes": by Hand Tools \_\_\_\_ by Machine X

Examples: Culverts X Hardened Stream Crossings \_\_\_\_ Bridges \_\_\_\_ Drainage X Barriers \_\_\_\_ Other \_\_\_\_

Describe: Condition of Approval requires that road shall be crowned, ditched, surfaced, drained with culverts and/or water dips, and constructed to BLM Gold Book standards. Initial gravel application shall be a minimum of 6 inches.

B. Maintenance: (Is there evidence of maintenance that would ensure *relatively* regular and continuous use?): Yes X (if either B.1 or B.2 is checked "yes" below) No \_\_\_\_ (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery? Yes X No \_\_\_\_ If "yes": by Hand Tools \_\_\_\_ by Machine X

Explain: Condition of Approval requires that the operator shall provide timely year-round road maintenance and cleanup on the access roads. A regular schedule for maintenance shall include, but not be limited to, blading, ditch and culvert cleaning, road surface replacement, and dust abatement. When rutting within the traveled way becomes greater than 6 inches, blading and/or gravelling shall be conducted as approved by the BLM.

2. If the route or route segment is in good<sup>5</sup> condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable? Yes X No \_\_\_\_

Explain: BLM actually requires maintenance in our Conditions of Approval.

<sup>5</sup> Good condition would be a condition that ensures regular and continuous use relative to the purposes of the route. Consider whether the route can be clearly followed in the field over its entire course and whether all or any portion of the route contains any impediments to travel.



C. Relatively regular and continuous use: (Does the route or route segment ensure relatively regular and continuous use?) Yes X No \_\_\_\_\_

Describe evidence (e.g., direct, vehicles or vehicle tracks observed, or indirect, evidence of use associated with purpose of the route such as maintenance of facility that route accesses) and other rationale for whether use has occurred and will continue to occur on a *relatively* regular basis (i.e., regular and continuous use relative to the purpose(s) of the route).<sup>6</sup>

Well pad needs continual maintenance and oversight. Therefore, these routes must be in use on a relatively regular basis.

IV. CONCLUSION:

Does the route or route segment<sup>7</sup> meet the definition of a wilderness inventory road (i.e., are items III.A and III.B and III.C all checked yes)?

Yes X = Wilderness Inventory Road  
inventory purposes

No \_\_\_\_\_ = Not a road for wilderness

Explanation<sup>8</sup>: All routes that access Oil and Gas Facilities as shown on the attached map must be considered Wilderness Inventory Roads because of BLM's Conditions of Approval for these routes.

Evaluator(s): Kimberly Miller - Outdoor Recreation Planner Date: 5/21/14

<sup>6</sup> Include estimate of travel rates for the stated purposes, e.g., trips/day or week or month or season or year or even multiple years in some facility maintenance cases.

<sup>7</sup> If part of the route meets the wilderness inventory road definition and the remainder does not, describe the segment meeting the definition and any remaining portion not meeting the definition and why.

<sup>8</sup> Describe and explain rationale for any discrepancies with citizen proposals.

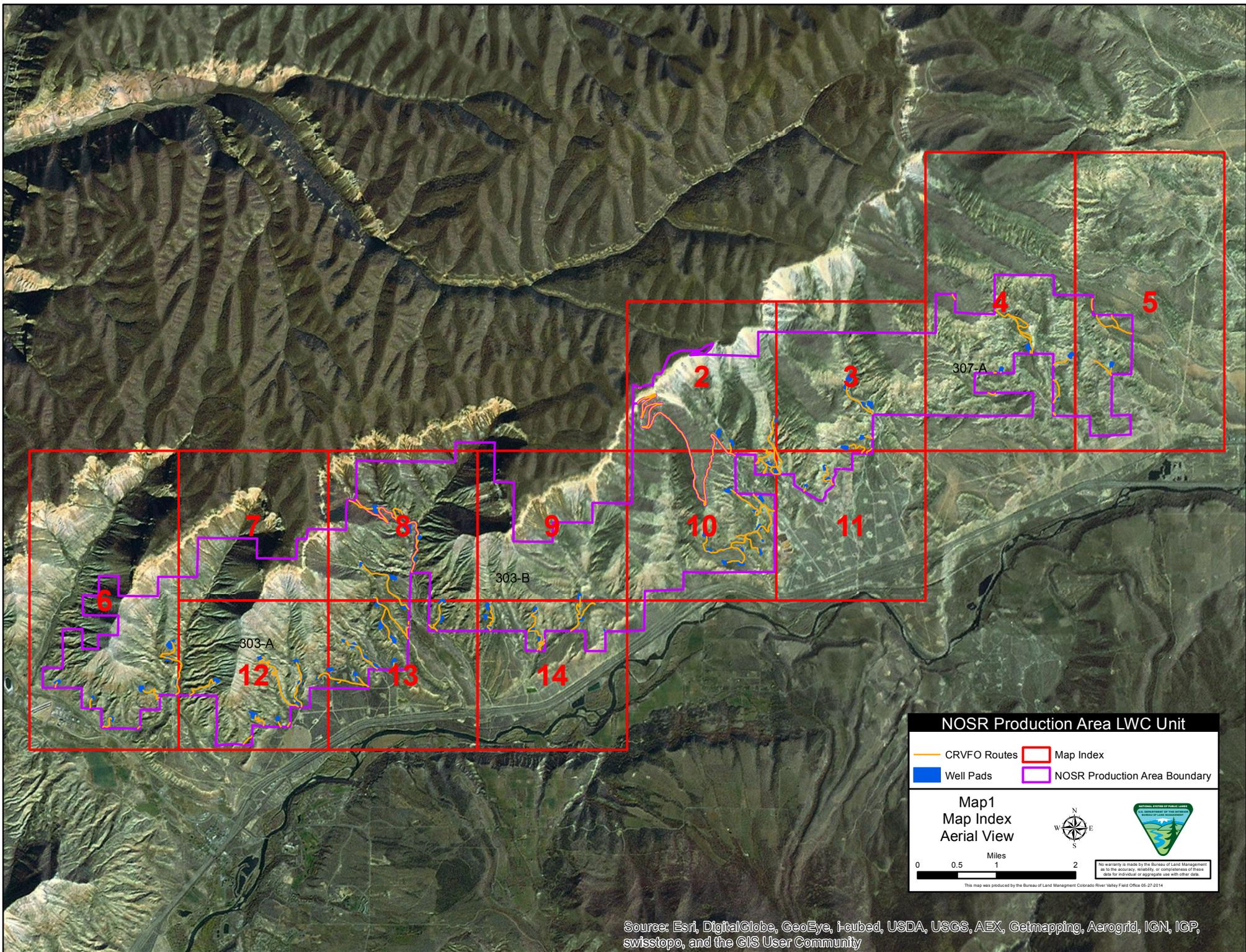
**WILDERNESS CHARACTERISTICS INVENTORY**

**APPENDIX D – PHOTO LOG**

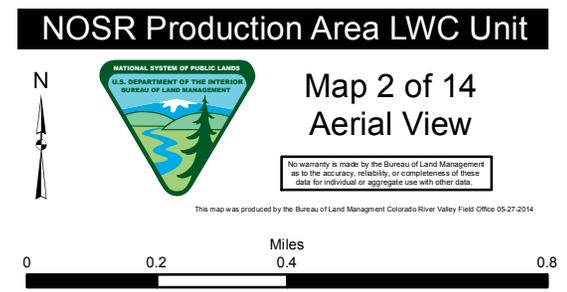
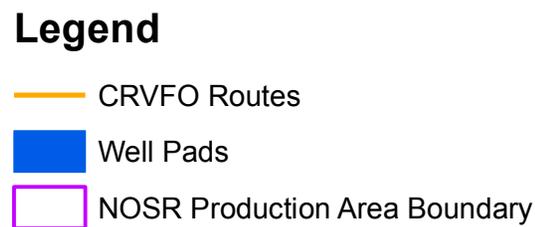
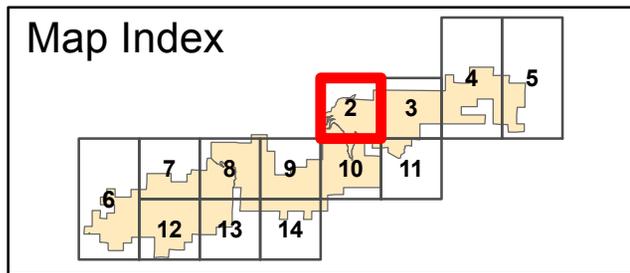
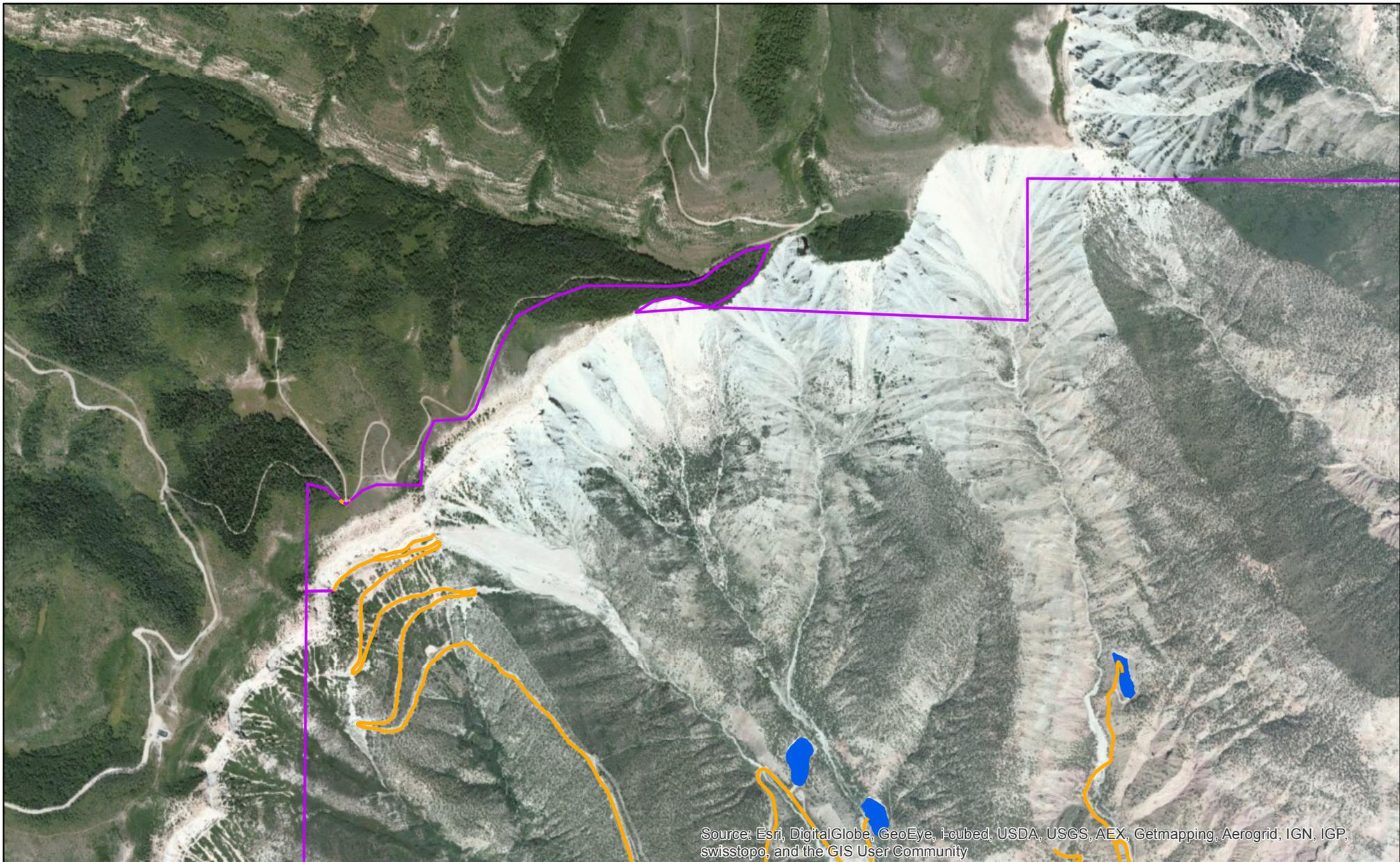
Photographer(s): None needed.

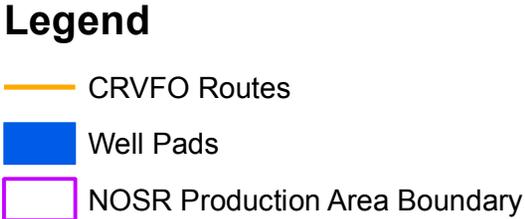
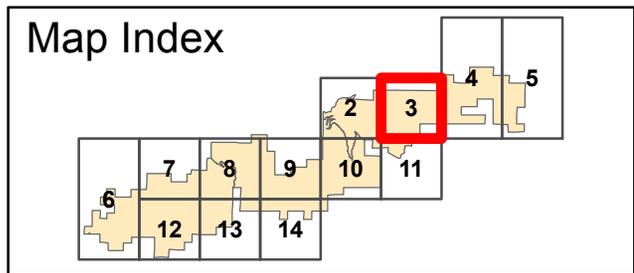
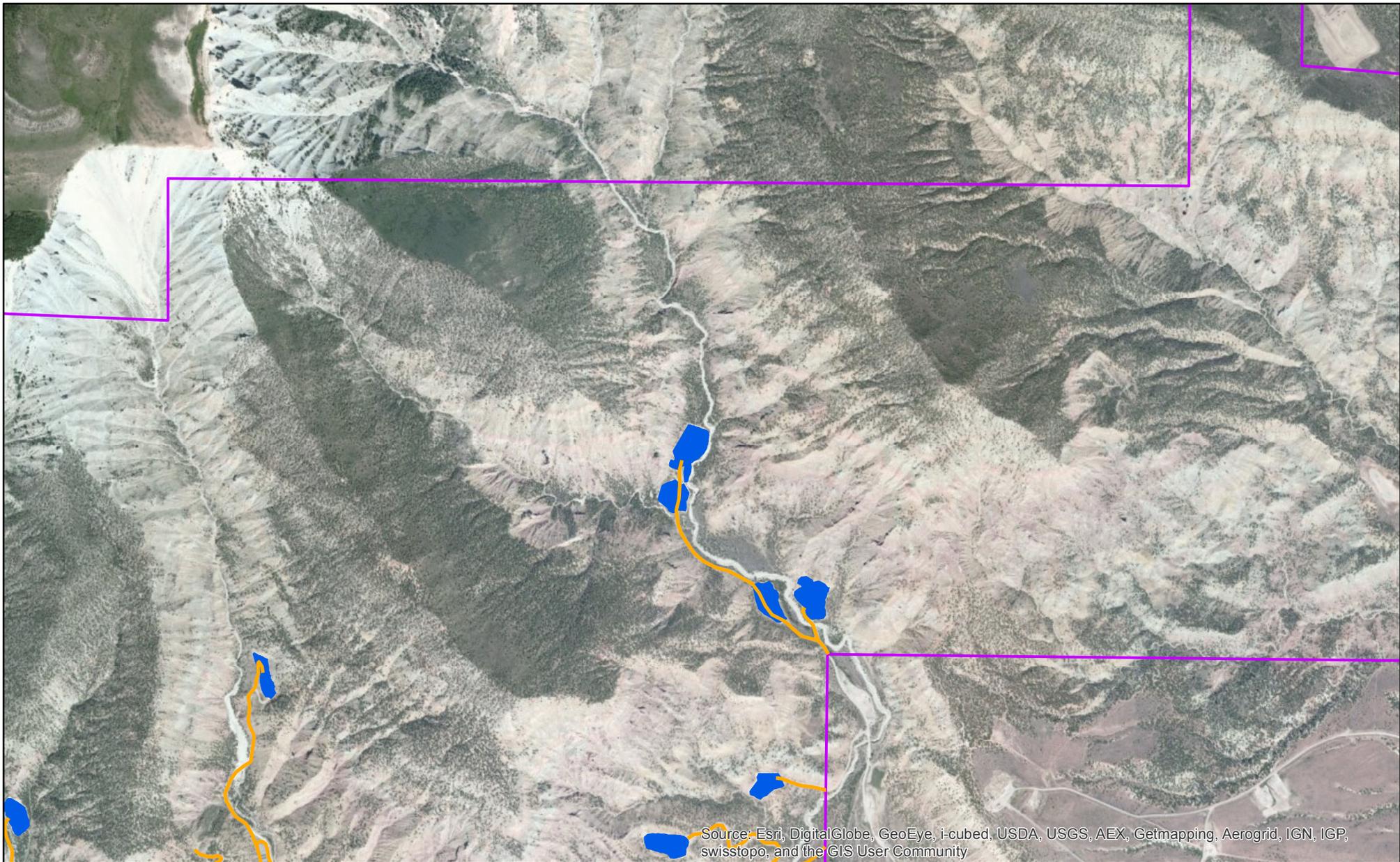
Inventory Area Unique Identifier NOSR Production Area Units (303-A, 303-B, and 307-A)

| Date | Frame # | Camera Direction | Description  | GPS/UTM Location | Township | Range | Sec. | Photo Point # |
|------|---------|------------------|--|------------------|----------|-------|------|---------------|
|      |         |                  | Aerial photographs show all roads and disturbance which disqualifies these units from containing wilderness characteristics. |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |
|      |         |                  |  |                  |          |       |      |               |



Source: Esri, DigitalGlobe, GeoEye, I-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





## NOSR Production Area LWC Unit





### Map 3 of 14 Aerial View

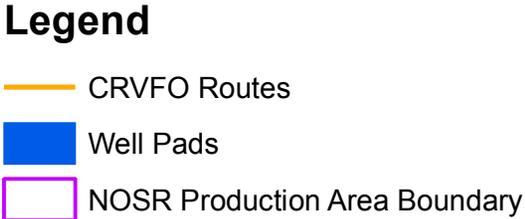
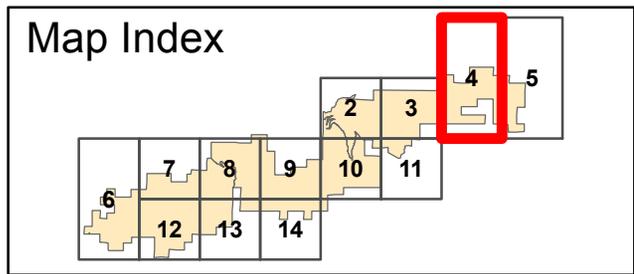
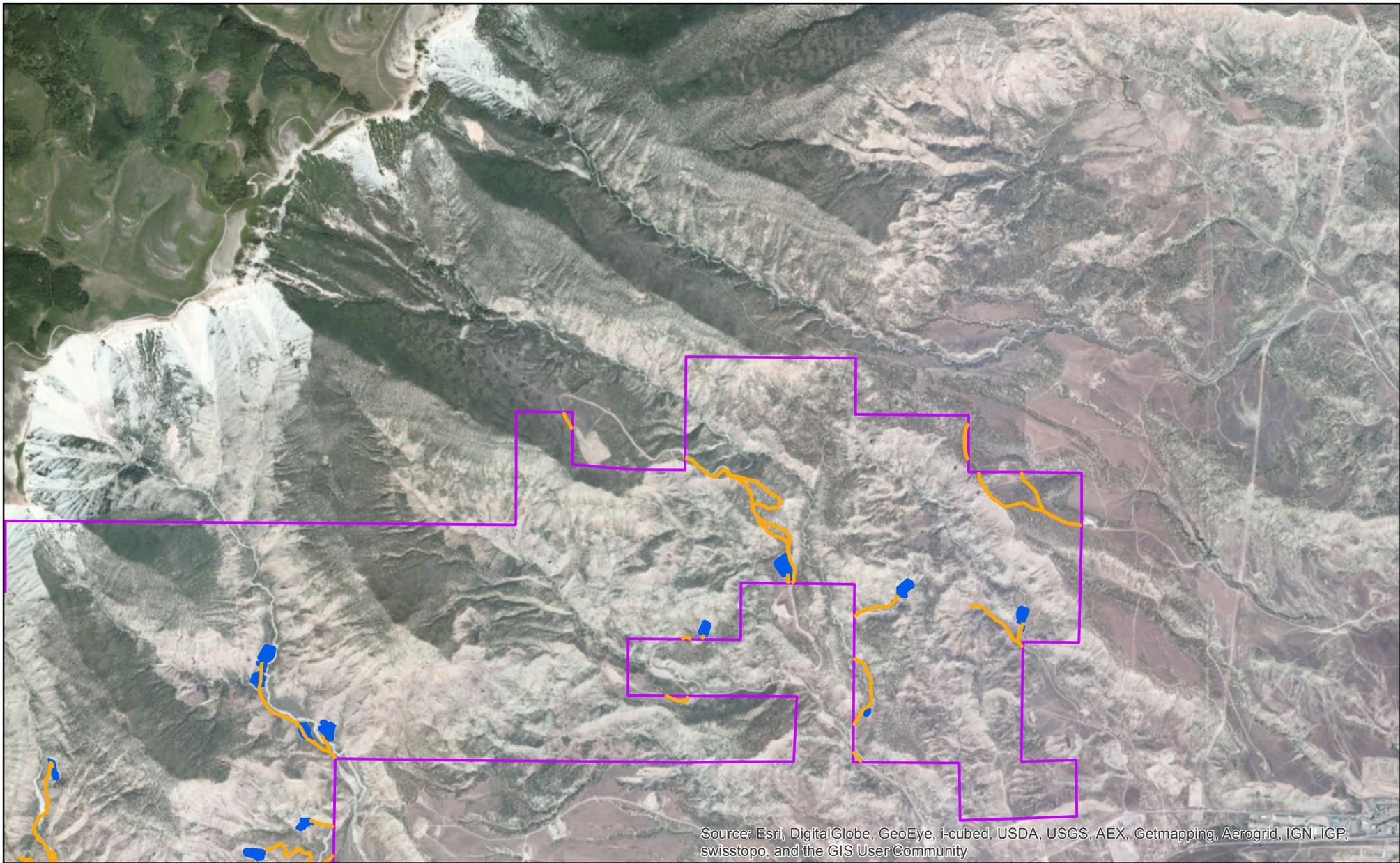
No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data.

This map was produced by the Bureau of Land Management Colorado River Valley Field Office 05-27-2014

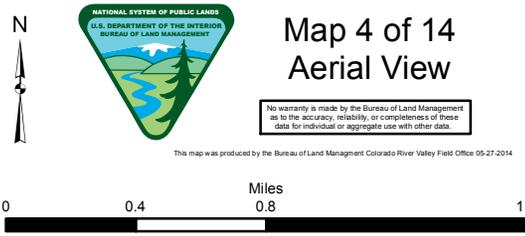
Miles

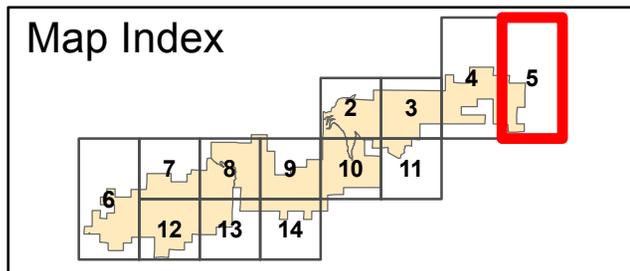
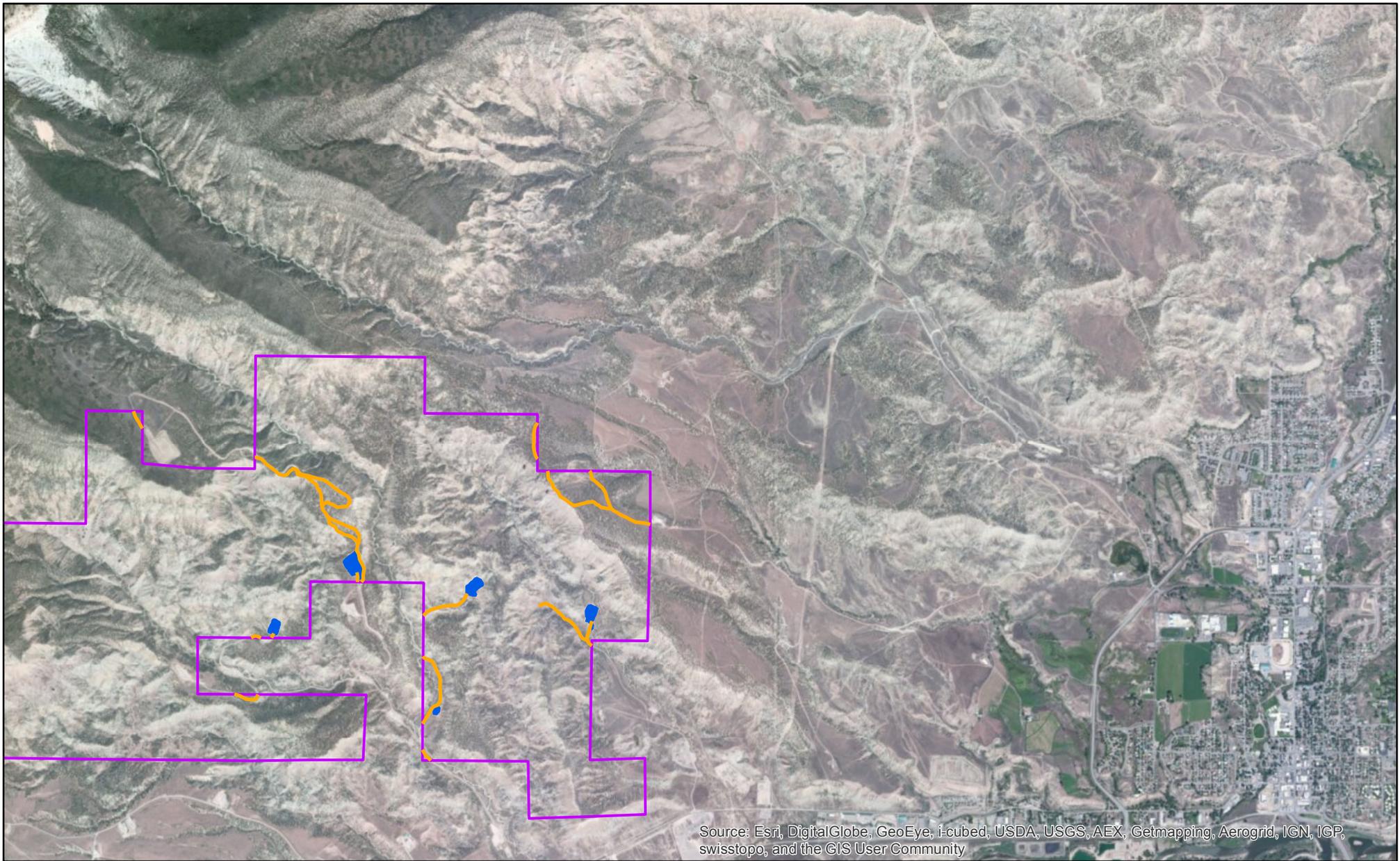
0      0.2      0.4      0.8





### NOSR Production Area LWC Unit





### Legend

-  CRVFO Routes
-  Well Pads
-  NOSR Production Area Boundary

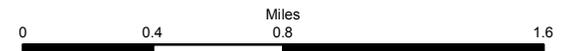
### NOSR Production Area LWC Unit

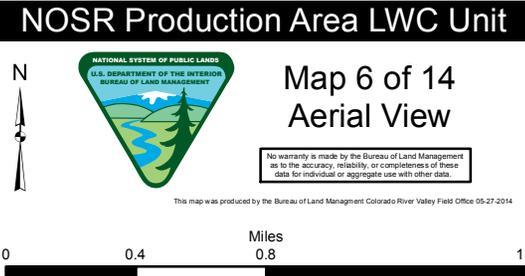
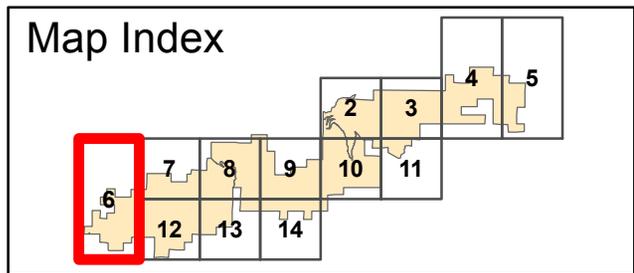
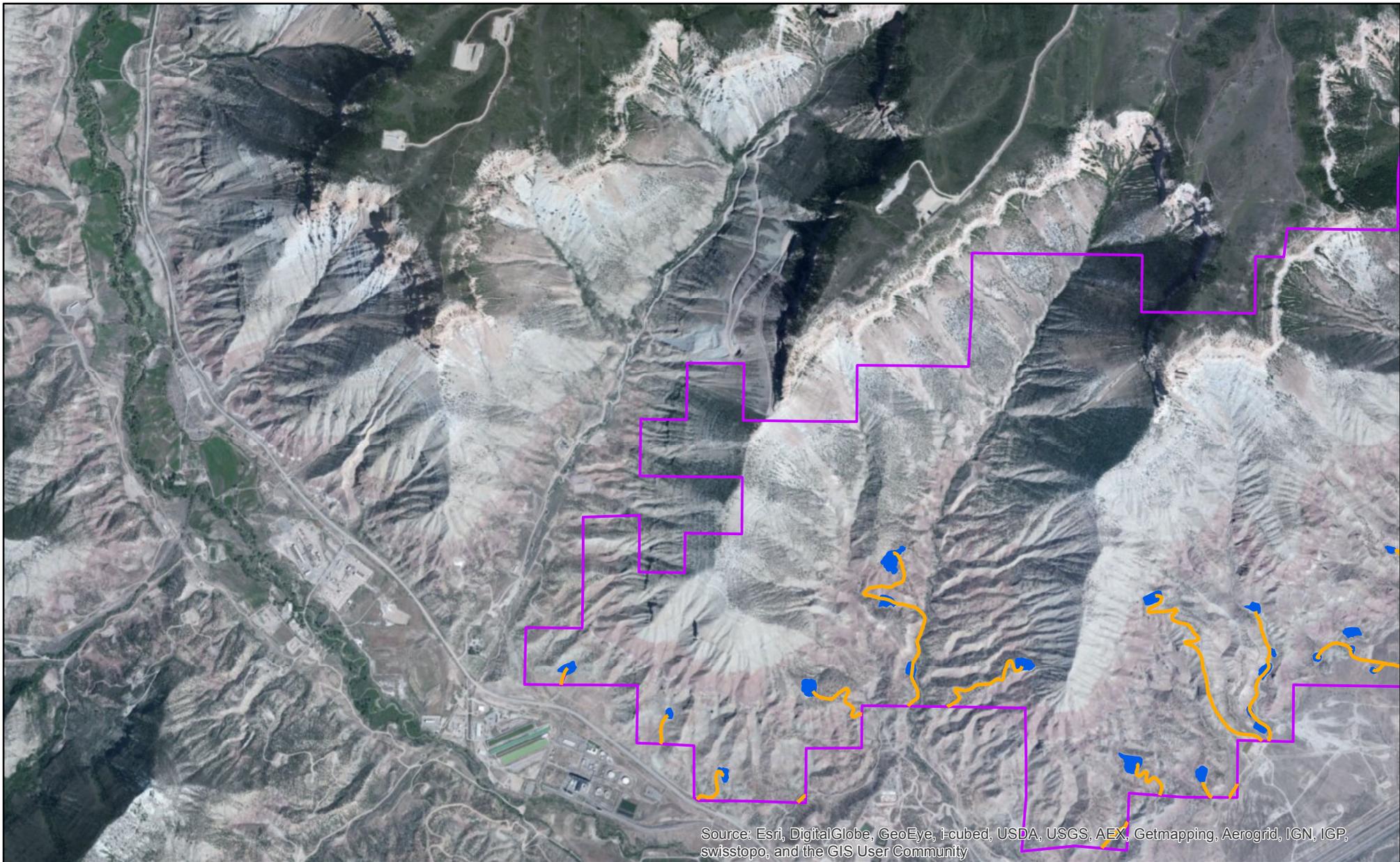


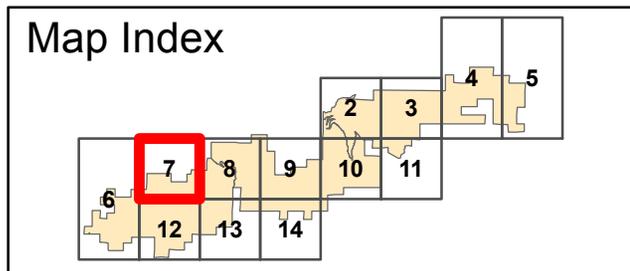
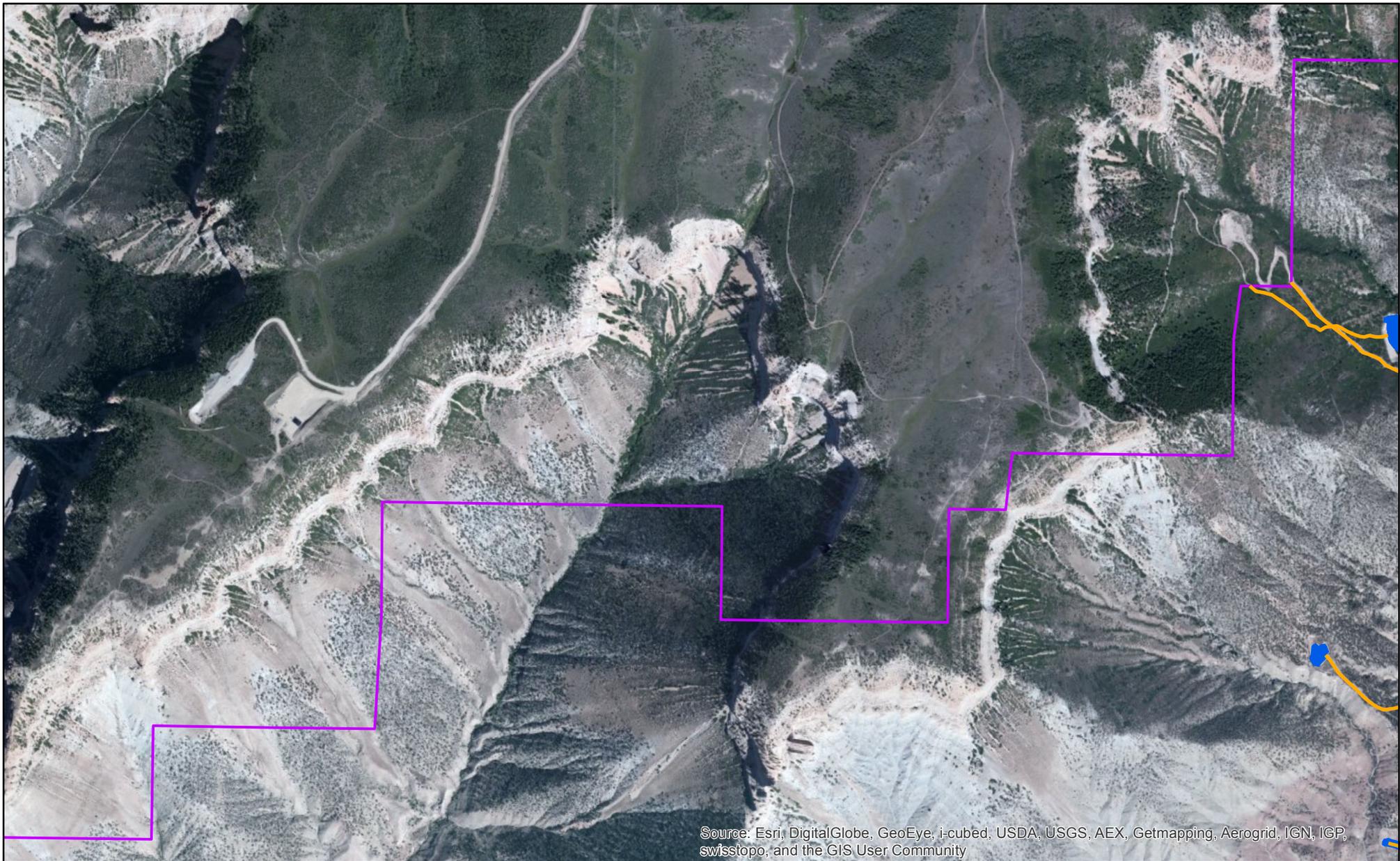
Map 5 of 14  
Aerial View

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data.

This map was produced by the Bureau of Land Management Colorado River Valley Field Office 05-27-2014







### Legend

-  CRVFO Routes
-  Well Pads
-  NOSR Production Area Boundary

### NOSR Production Area LWC Unit

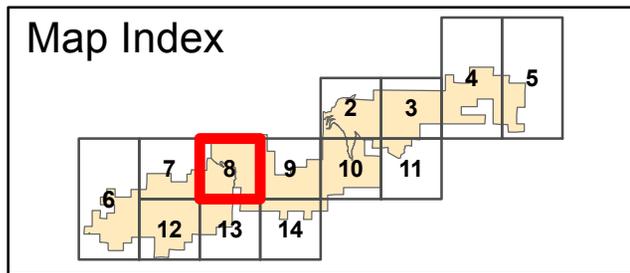
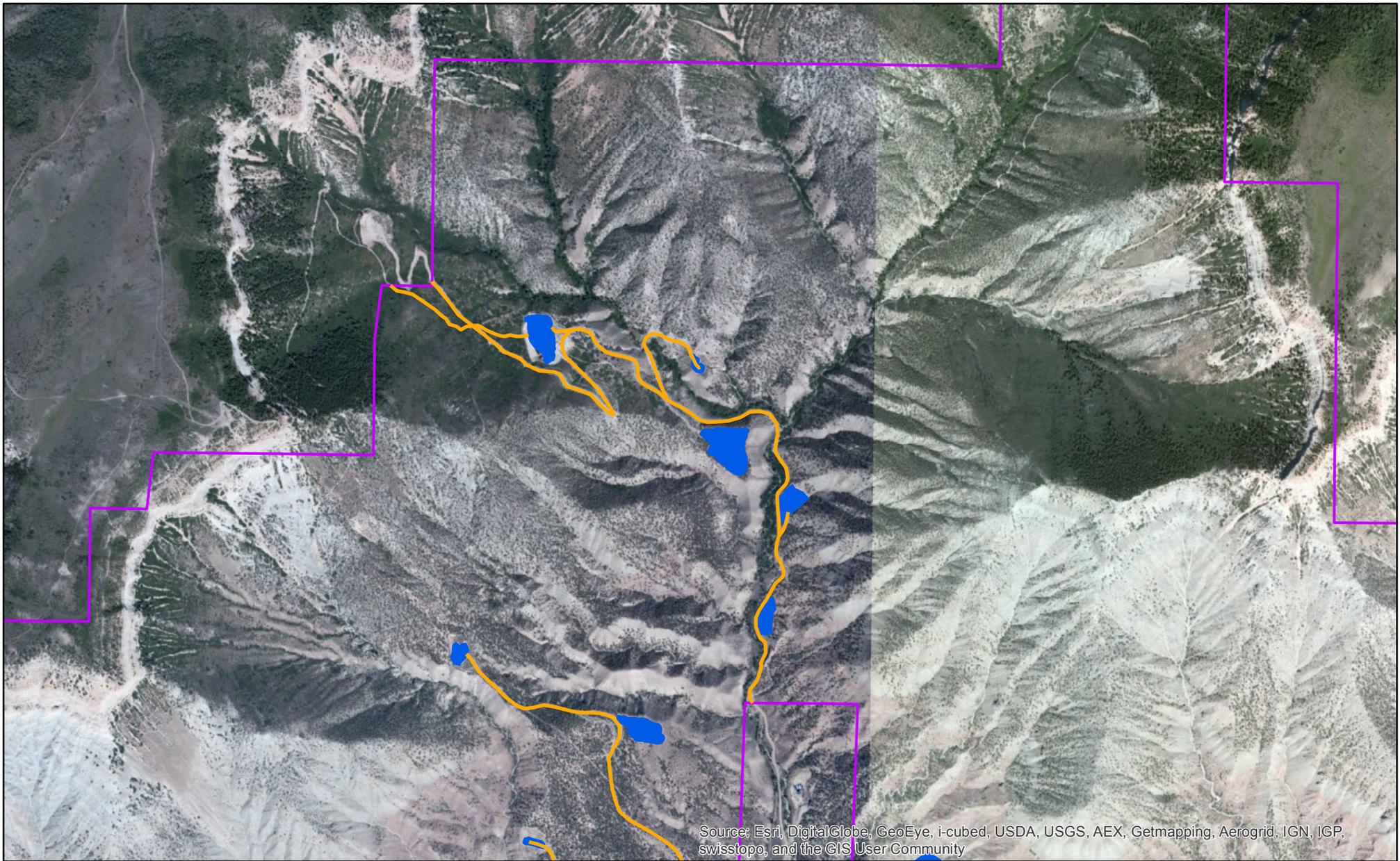


Map 7 of 14  
Aerial View

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data.

This map was produced by the Bureau of Land Management Colorado River Valley Field Office 05-27-2014





### Legend

-  CRVFO Routes
-  Well Pads
-  NOSR Production Area Boundary

### NOSR Production Area LWC Unit

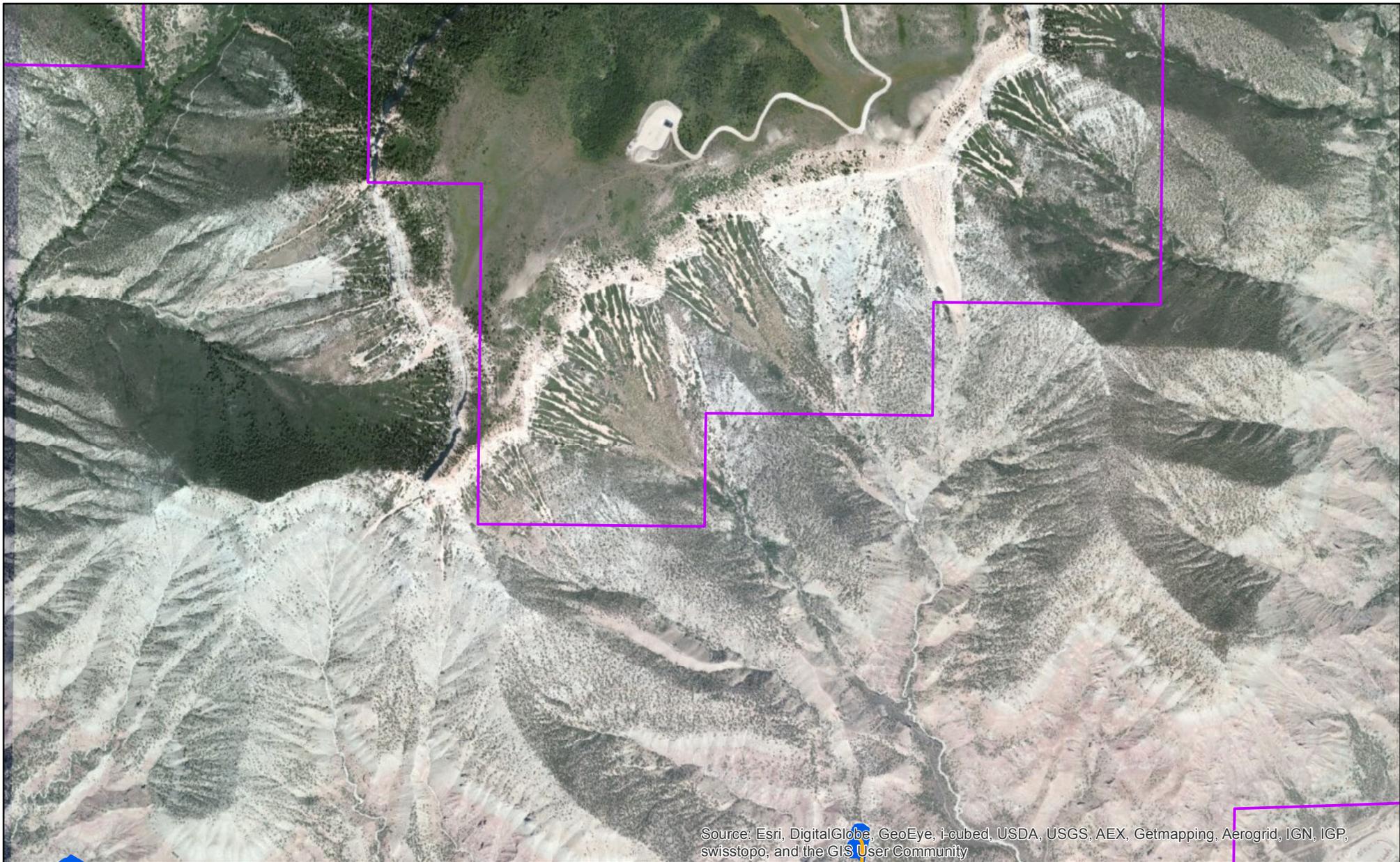


Map 8 of 14  
Aerial View

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data.

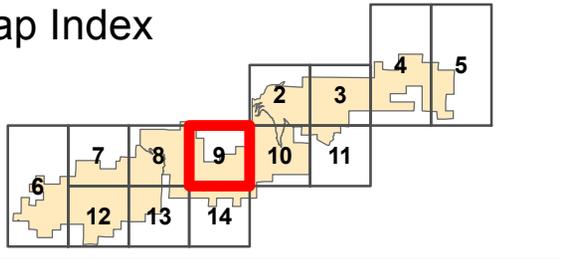
This map was produced by the Bureau of Land Management Colorado River Valley Field Office 05-27-2014





Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

### Map Index



### Legend

-  CRVFO Routes
-  Well Pads
-  NOSR Production Area Boundary

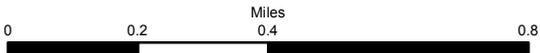
### NOSR Production Area LWC Unit

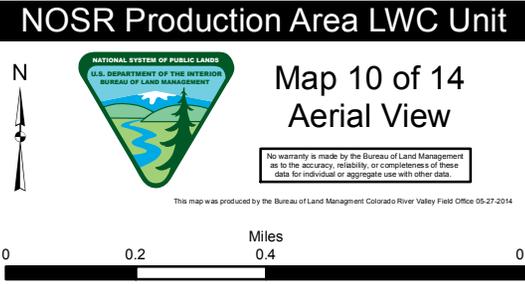
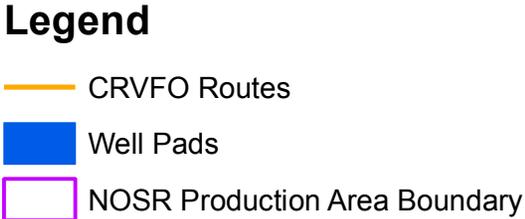
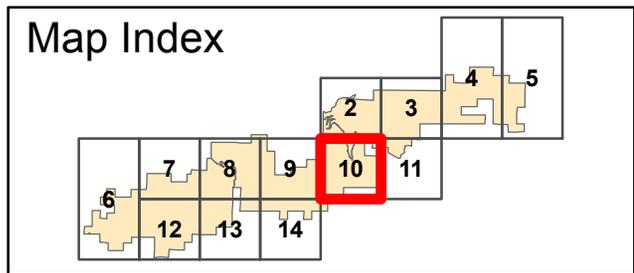
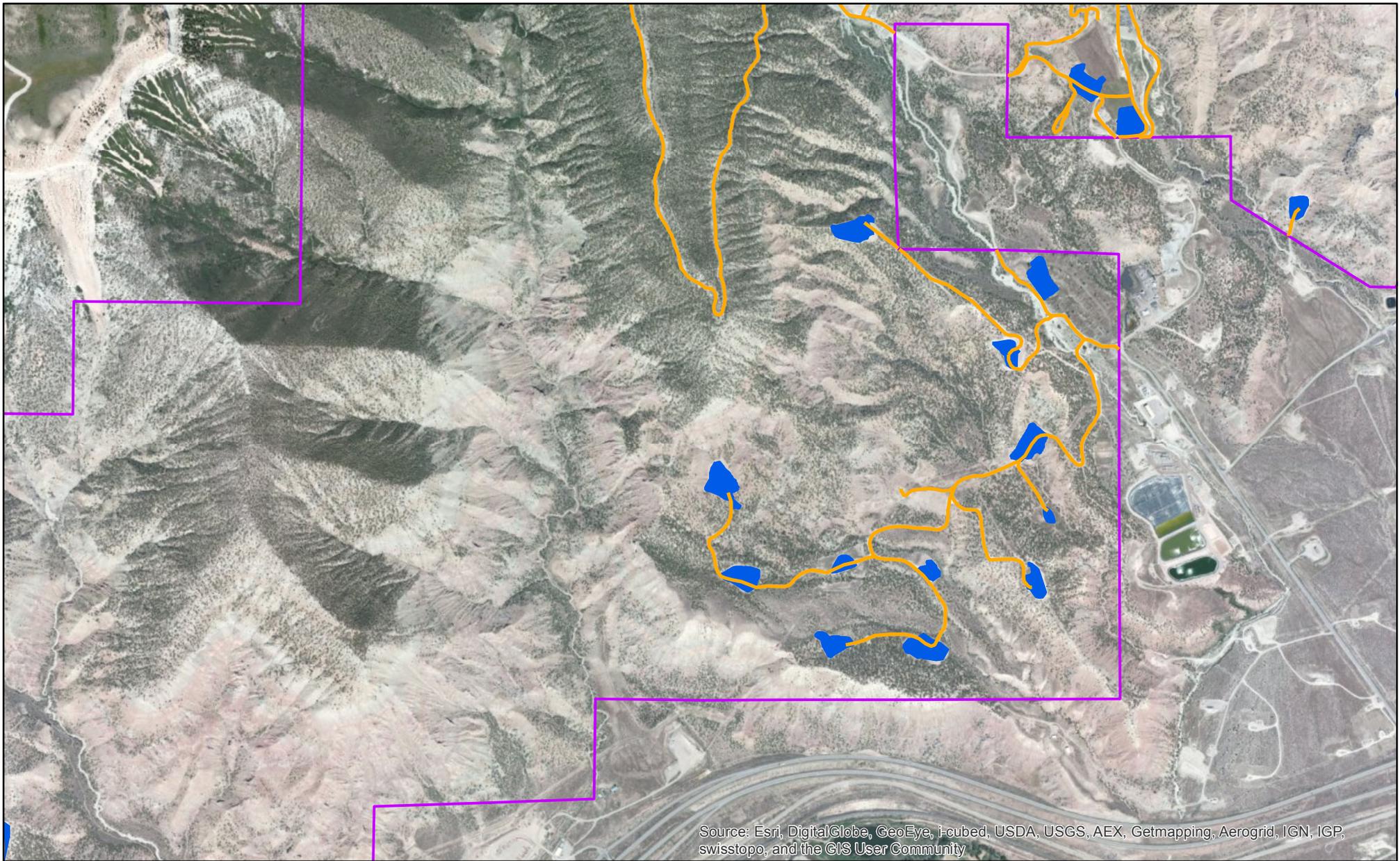


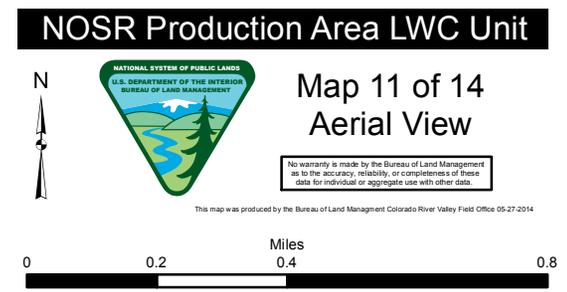
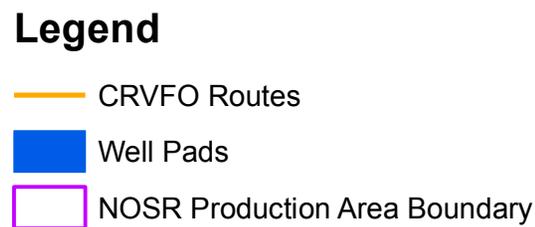
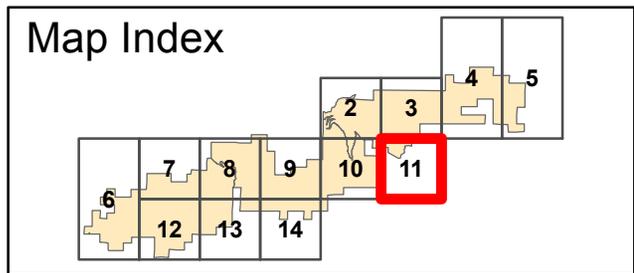
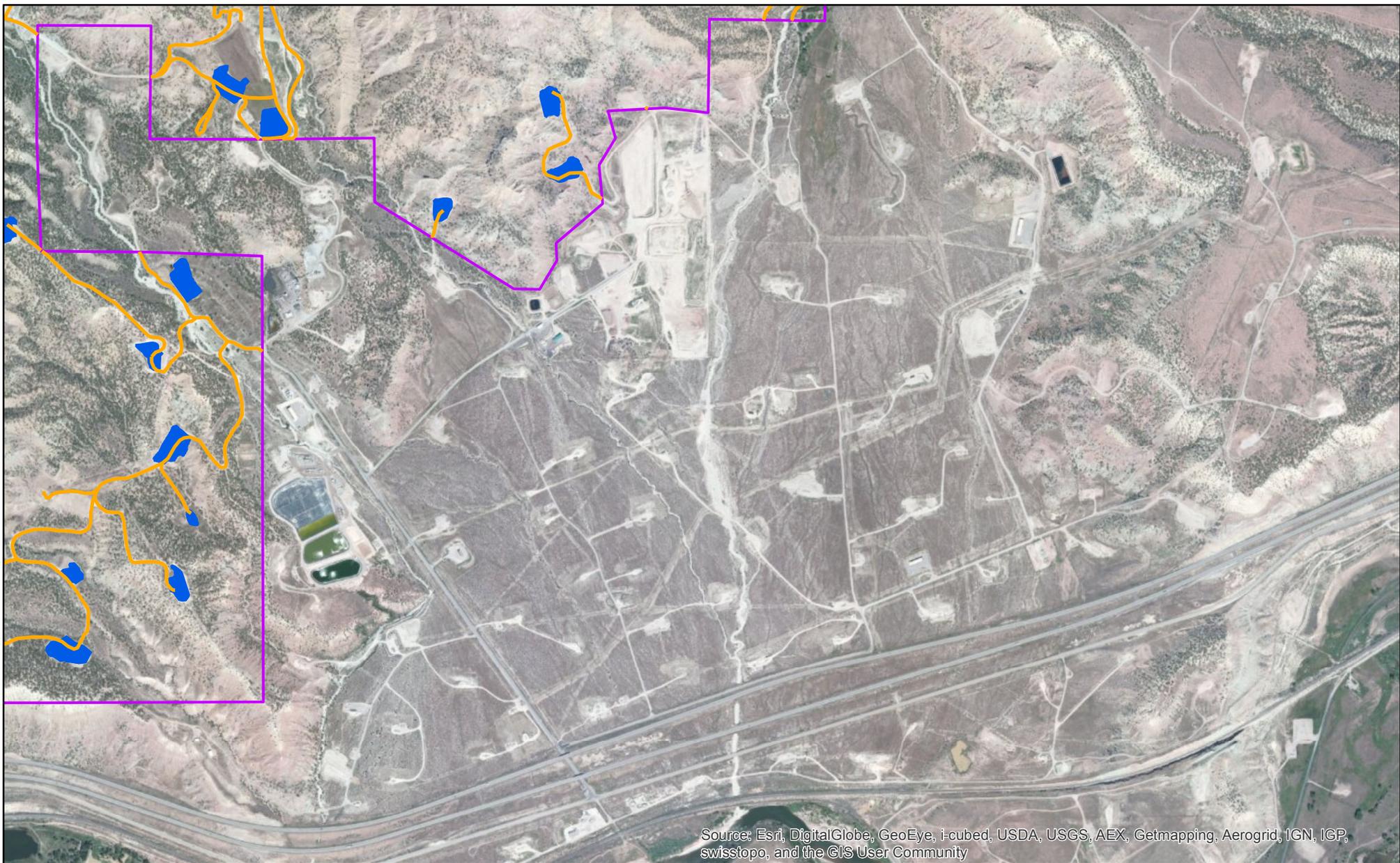
Map 9 of 14  
Aerial View

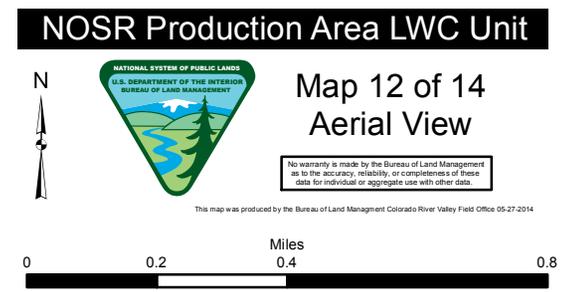
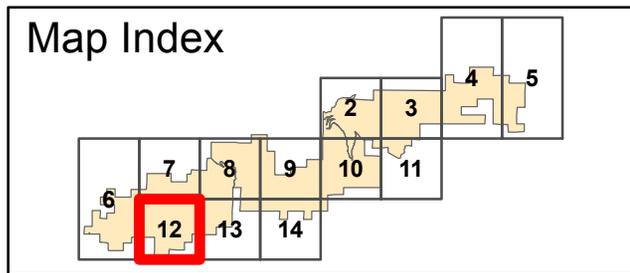
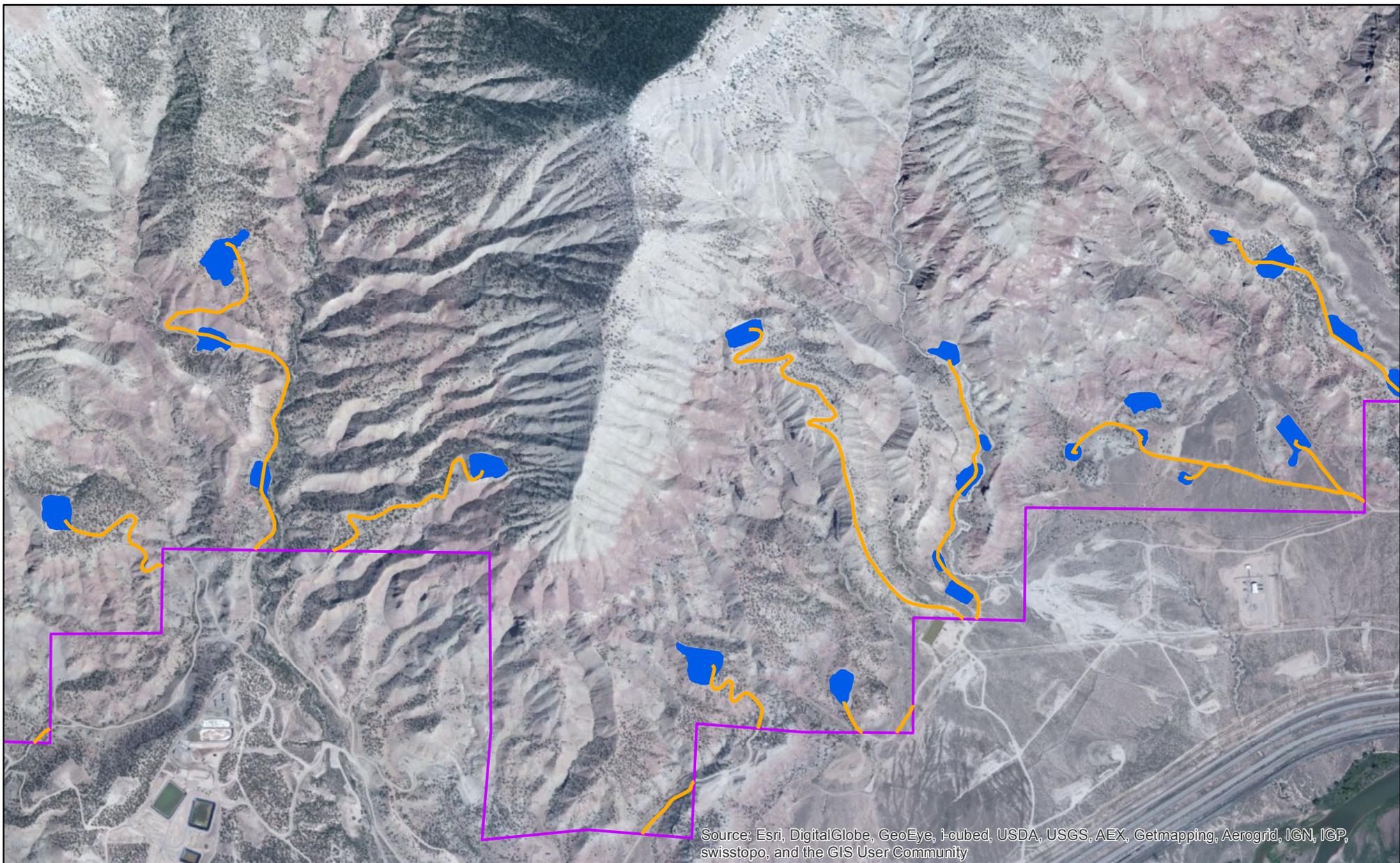
No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data.

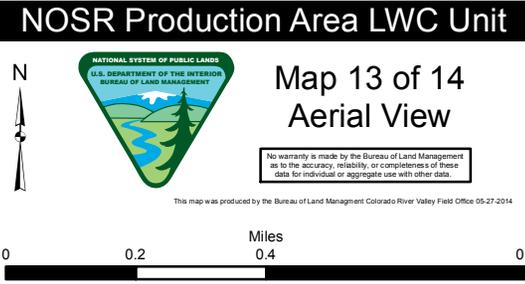
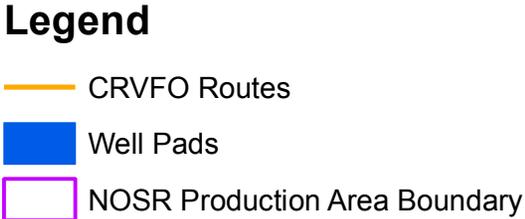
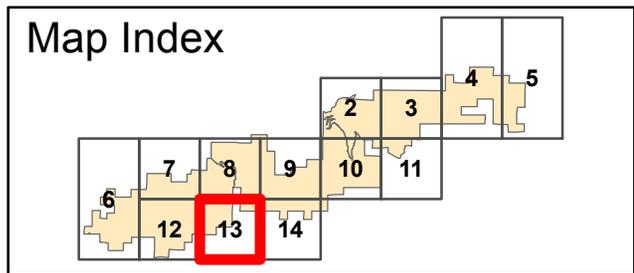
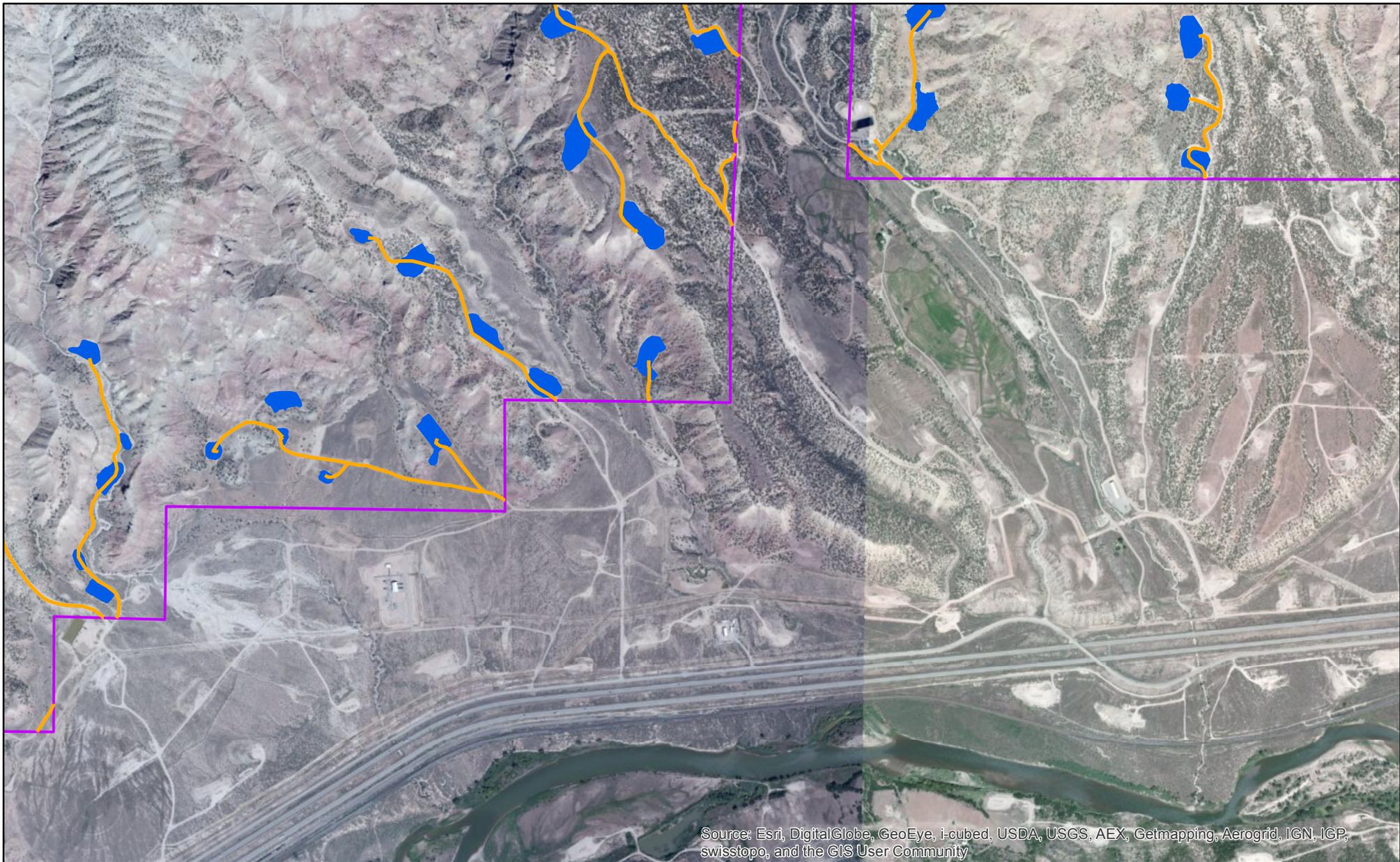
This map was produced by the Bureau of Land Management Colorado River Valley Field Office 05-27-2014

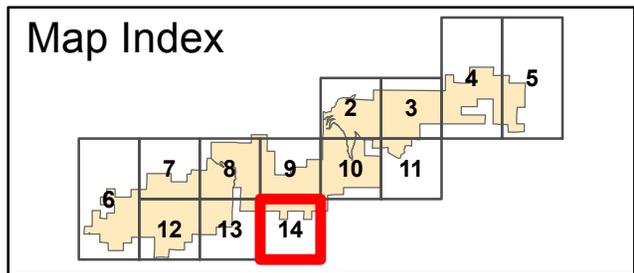
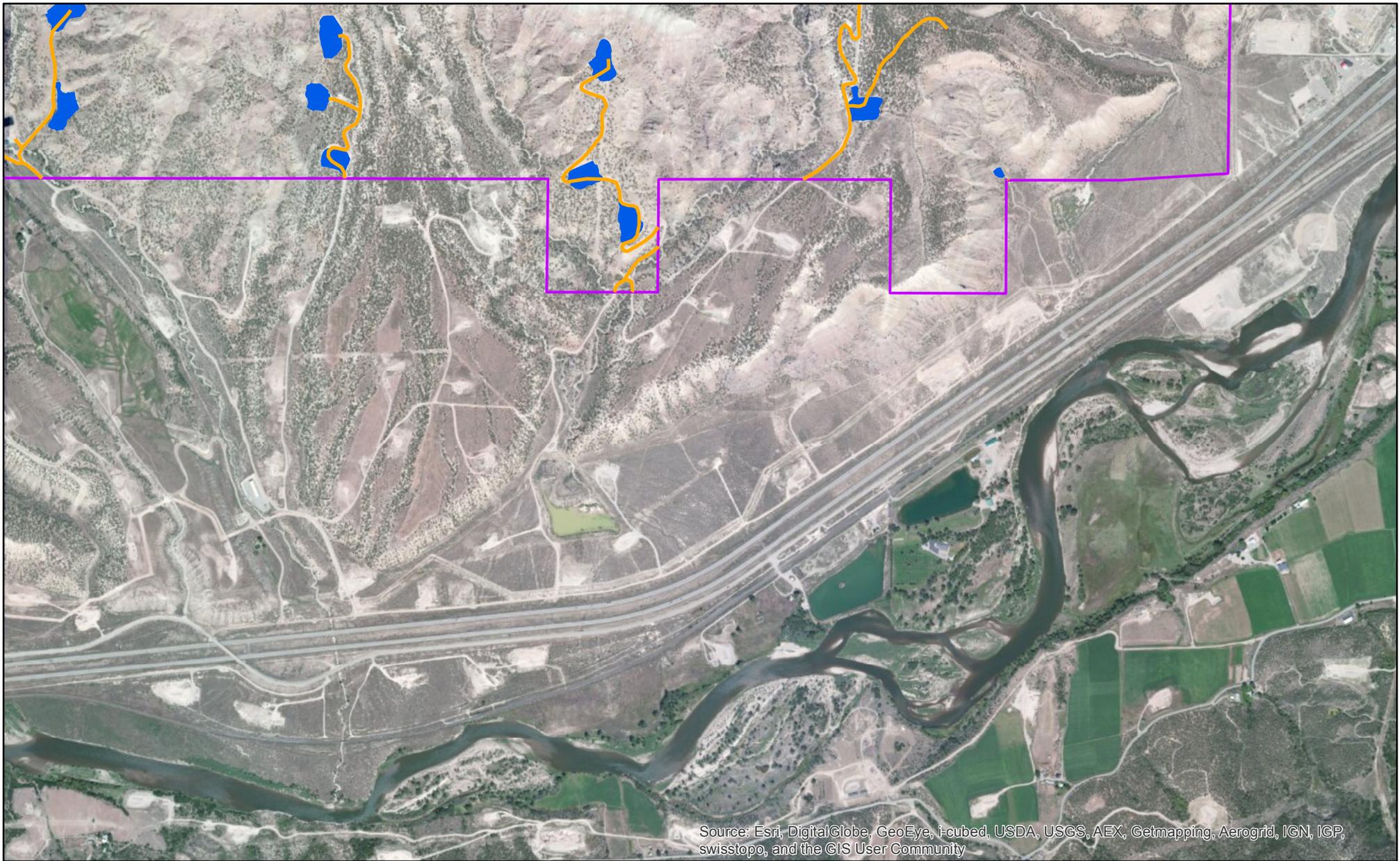












### Legend

-  CRVFO Routes
-  Well Pads
-  NOSR Production Area Boundary

### NOSR Production Area LWC Unit





**Map 14 of 14  
Aerial View**

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data.

This map was produced by the Bureau of Land Management Colorado River Valley Field Office 05-27-2014

Miles

