

Merced Vernal Pools and Grassland Reserve  
WATER/WETLAND FEATURE MAP BOOK



University of California Merced



University of California, Merced  
 Merced Vernal Pools and Grassland Reserve  
 WATER/WETLAND FEATURE MAP BOOK

4/8/2014

Legend

- + Reference Grid Interval (Units: Meters)  
 X Axis Interval: 100 m  
 Y Axis Interval: 100 m
- Natural Preserve Boundary Line
- 500— Index Contour Interval: 25 Feet
- Interm Contour Interval: 5 Feet
- Dirt Road
- Water Line
- x-x- Fence Line
- Conservation Easement Boundary
- Tree
- Utilities
- Building
- Structure
- Wind Mill
- Water/Wetland Features
- Canal
- Clay Playa
- Clay Slope
- Linear
- Marsh
- Pool/Swale Complex
- Seasonal
- Stockpond
- Swale Wetland
- Vernal Pool



Reference Coordinate System:

NAD\_1983\_2011\_UTM\_Zone\_10N  
 WKID: 102057 Authority: ESRI

Projection: Transverse\_Mercator  
 False\_Easting: 500000.0  
 False\_Northing: 0.0  
 Central\_Meridian: -123.0  
 Scale\_Factor: 0.9996  
 Latitude\_Of\_Origin: 0.0  
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 Spheroid: GRS\_1980  
 Semimajor Axis: 6378137.0  
 Semiminor Axis: 6356752.314140356  
 Inverse Flattening: 298.257222101

Data Source:

Map Book prepared by:  
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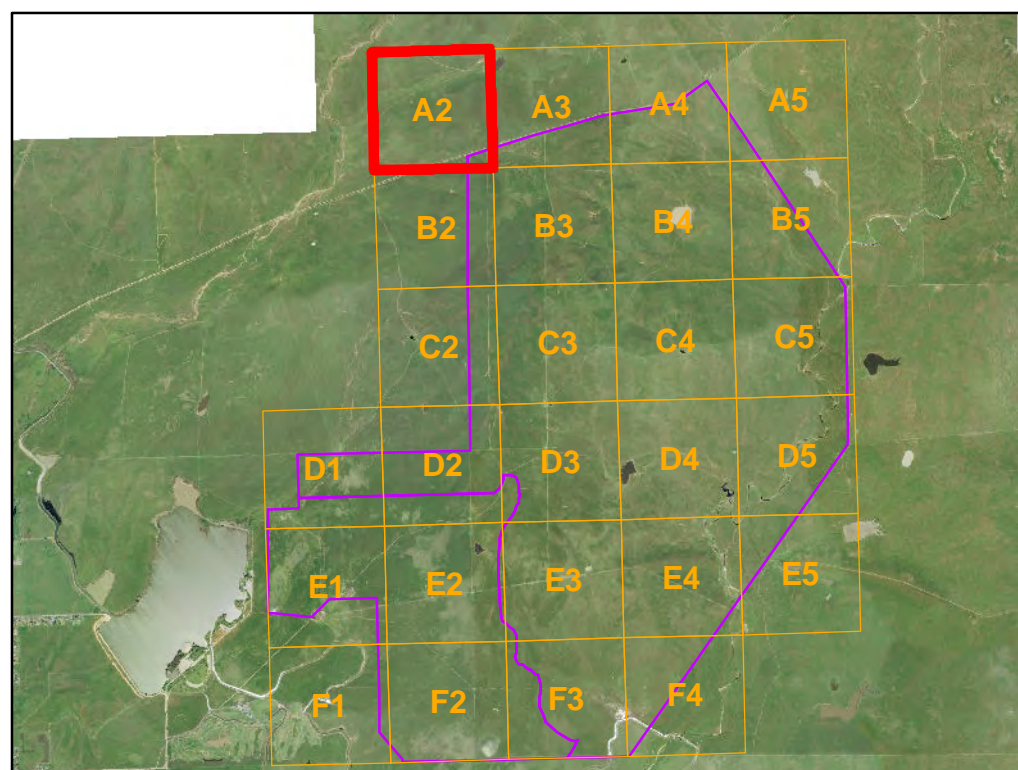
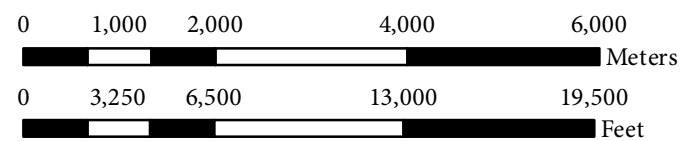
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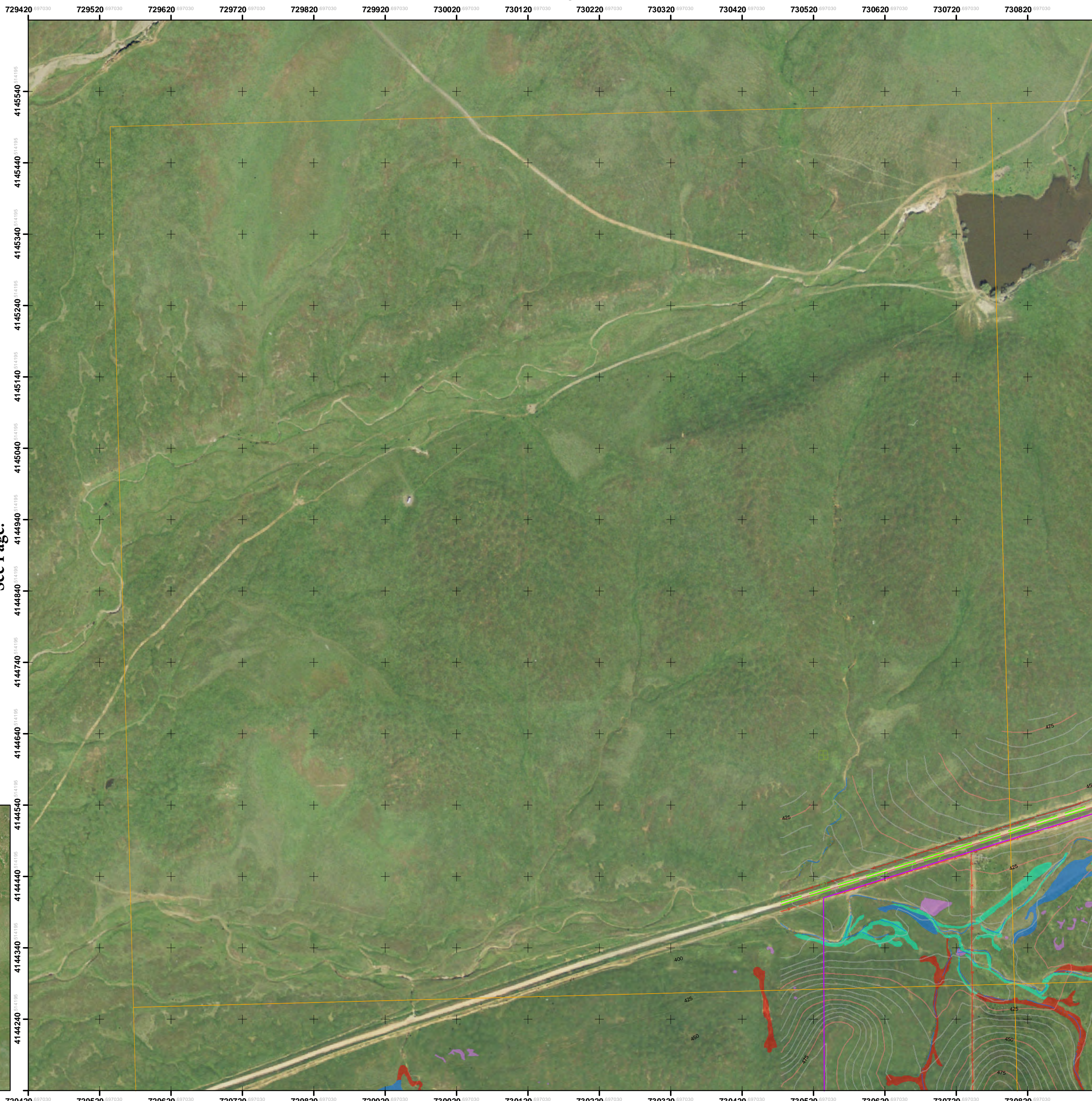
Page Scale: 1 inch = 100 meters (328 Feet)



Index Scale: 1 inch = 2,000 meters (6,561 Feet)



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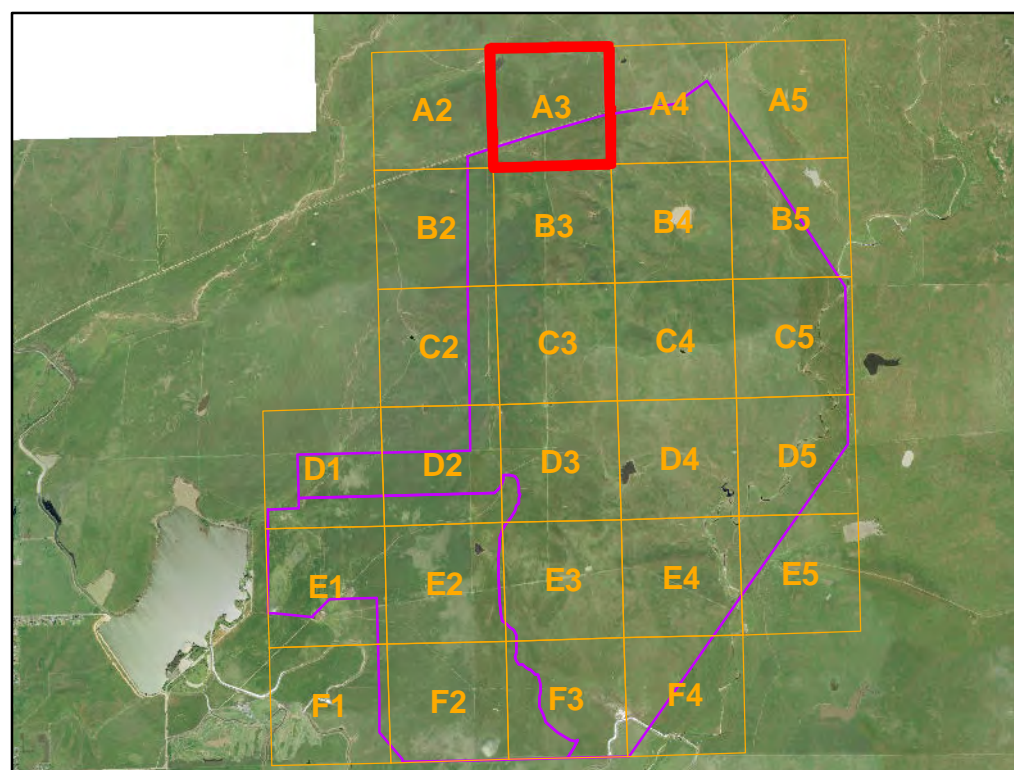
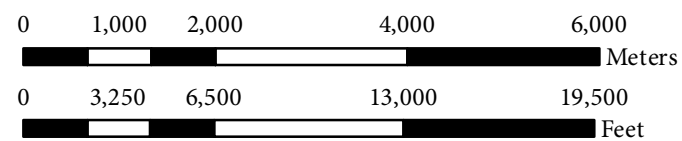
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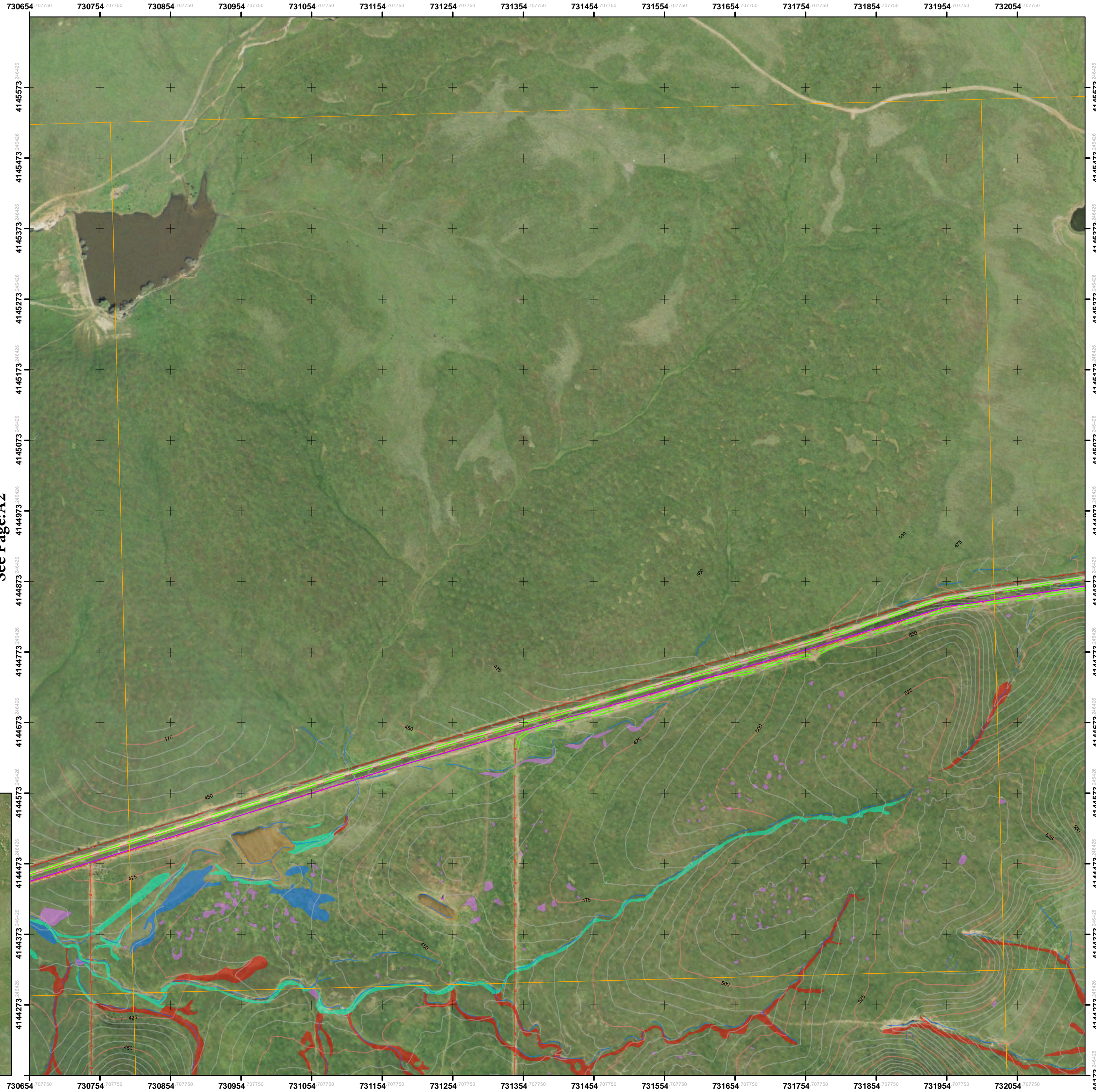
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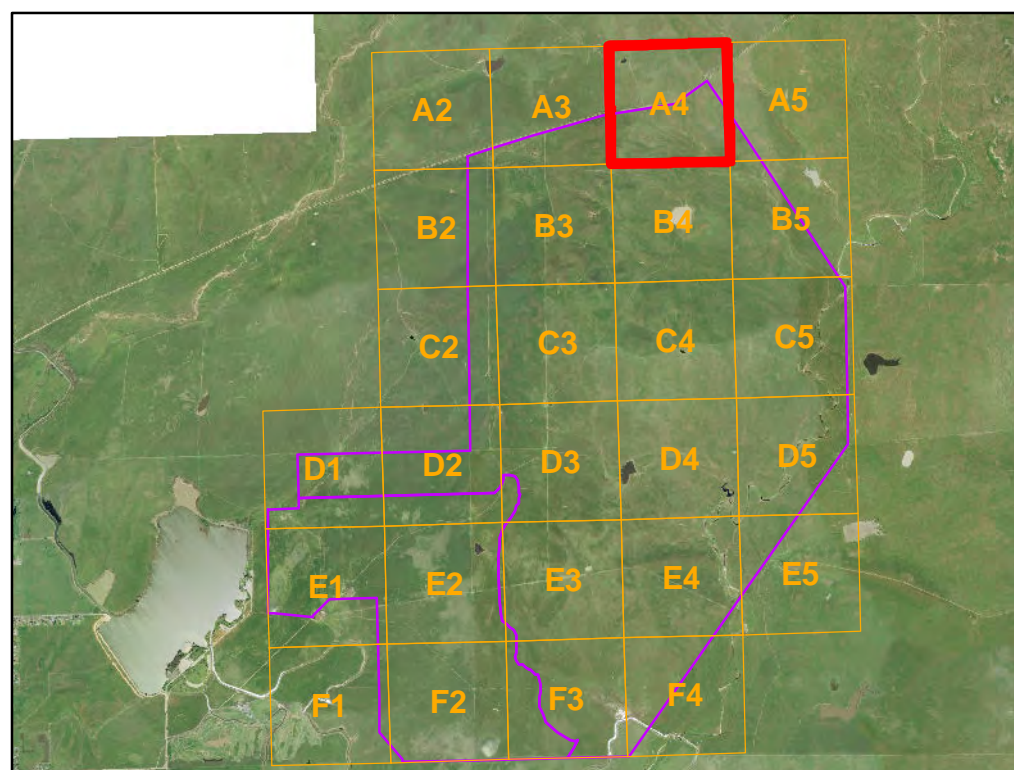
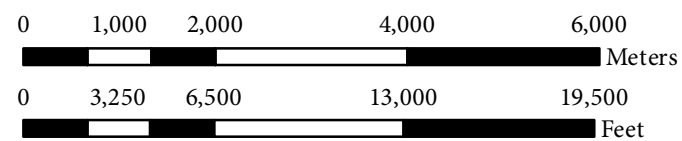
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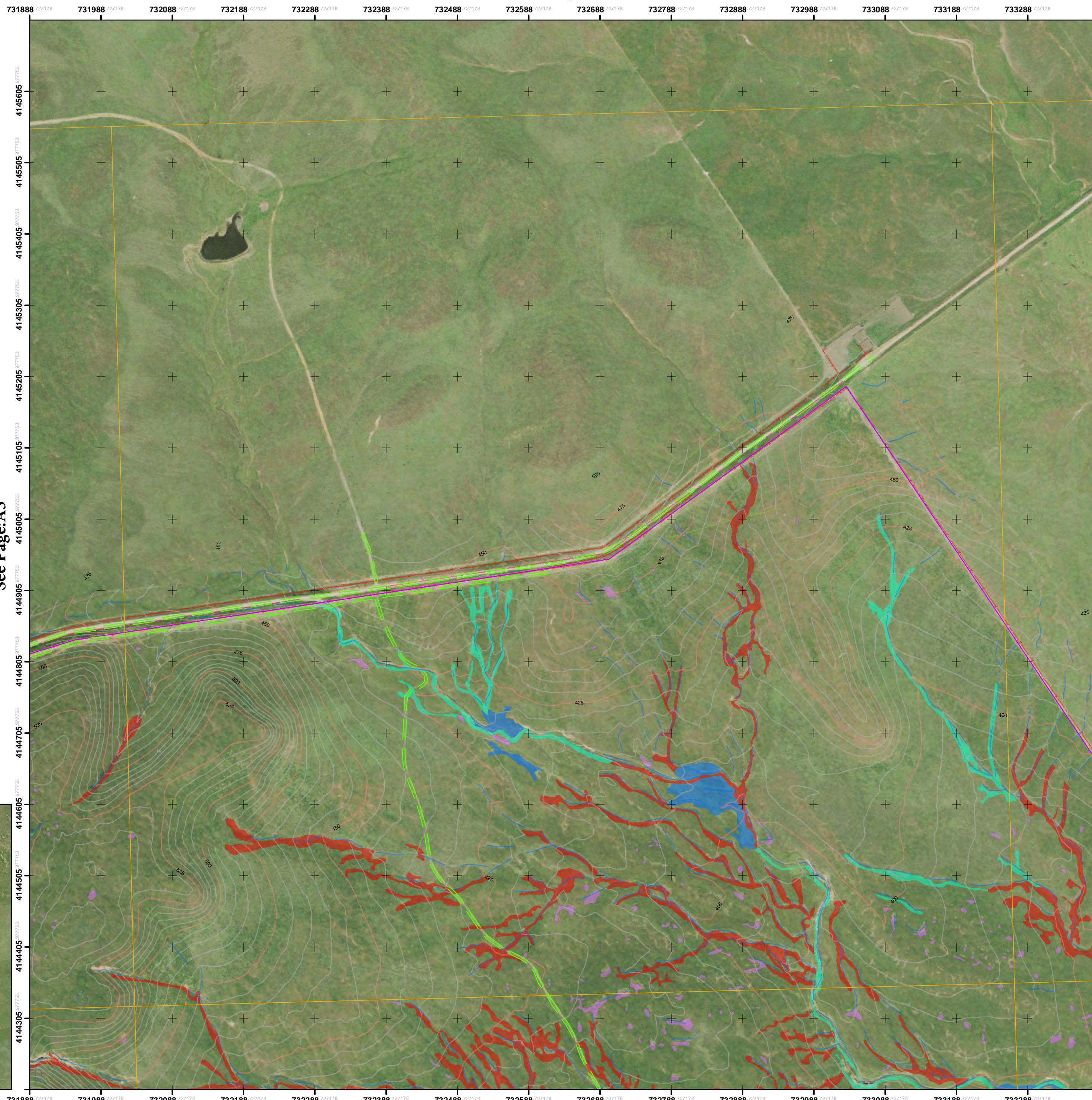
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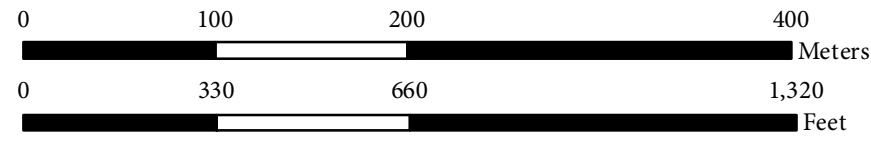
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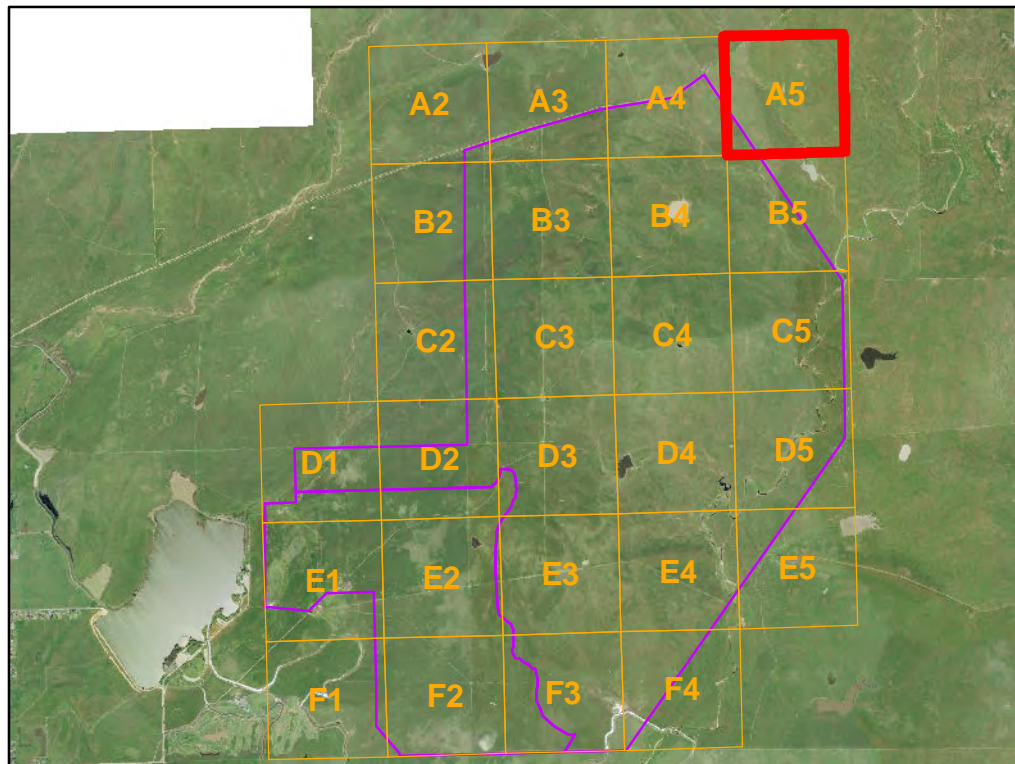
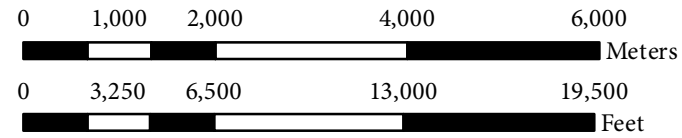
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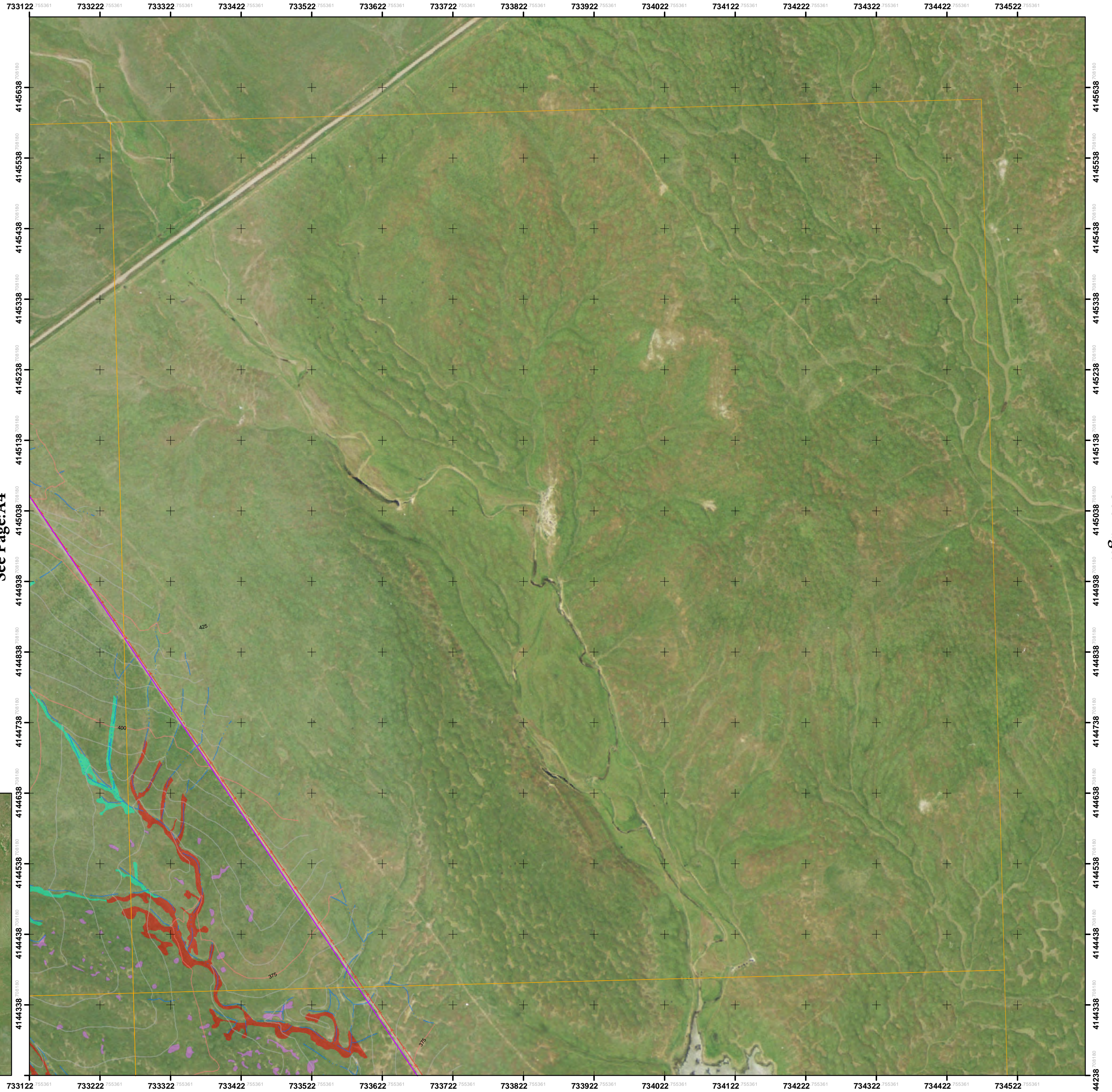
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| Canal                  | Pool/Swale Complex |
| Clay Playa             | Seasonal           |
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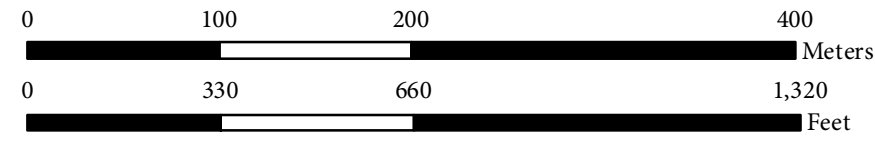
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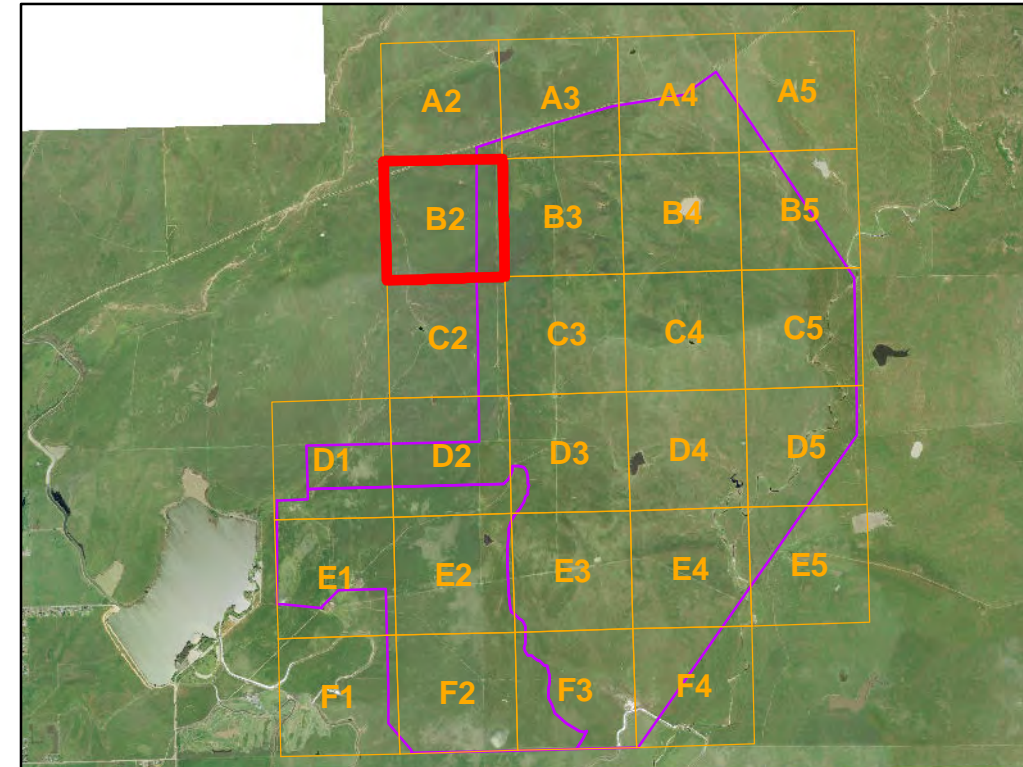
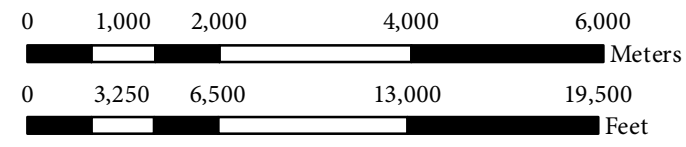
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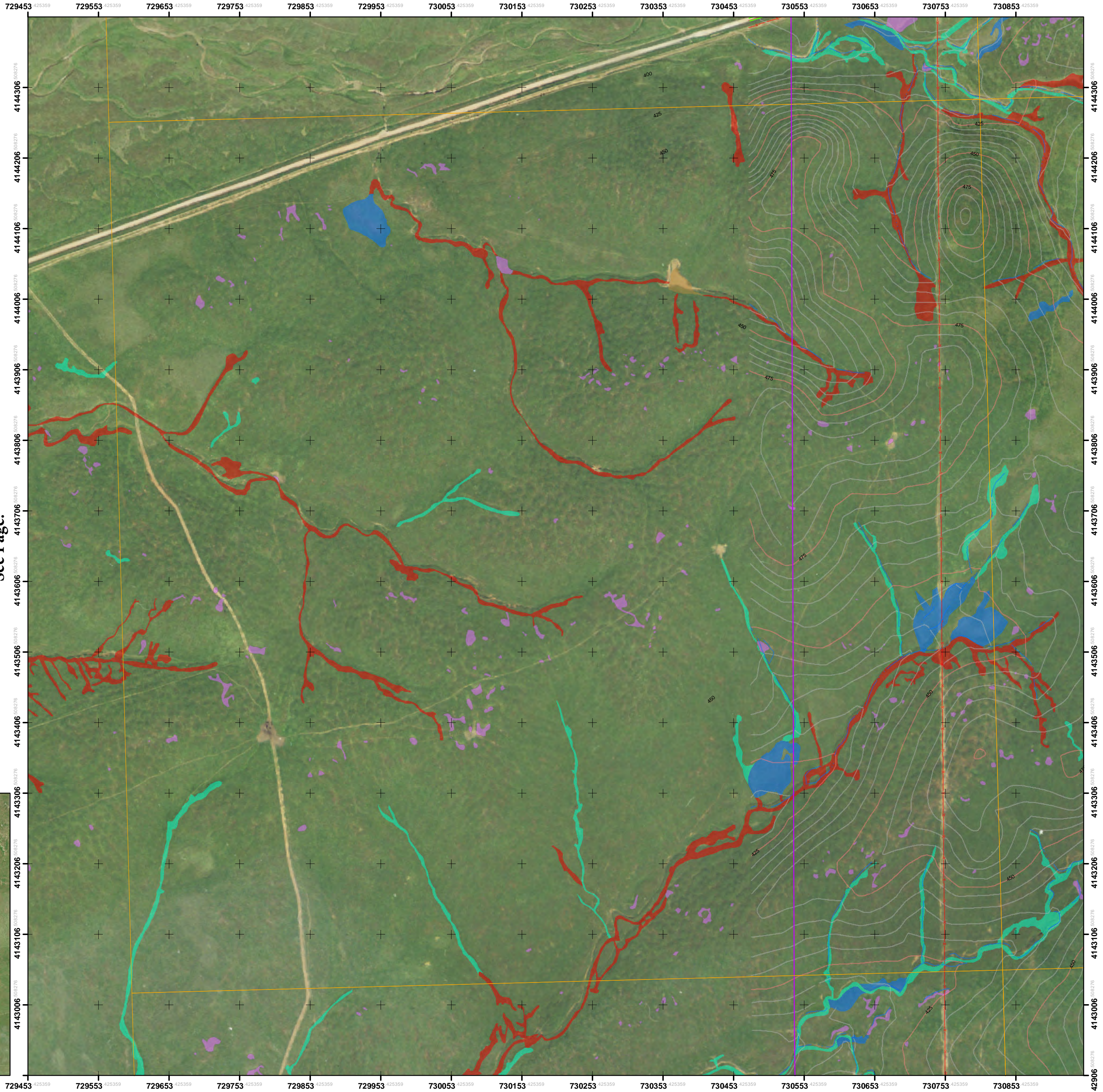
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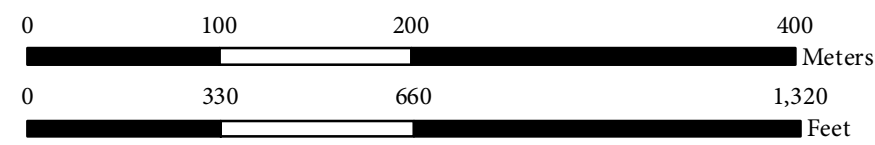
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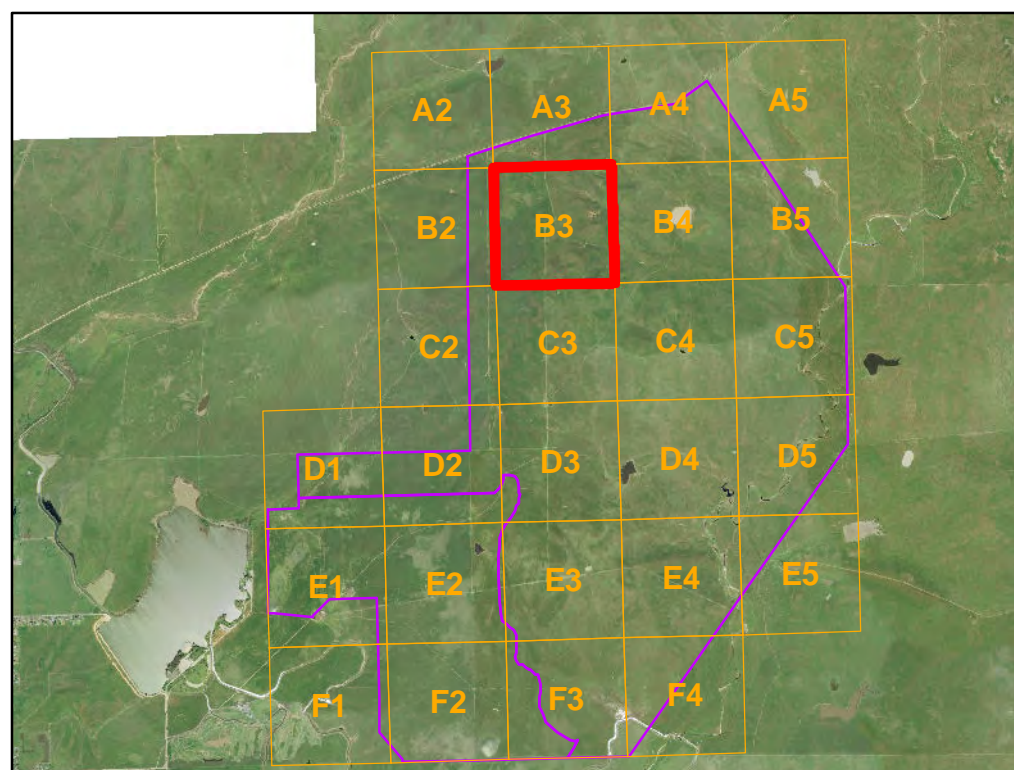
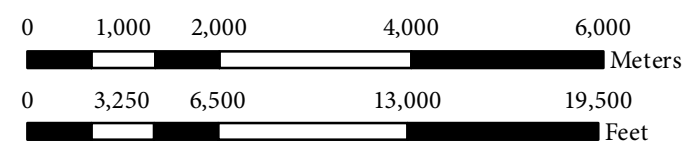
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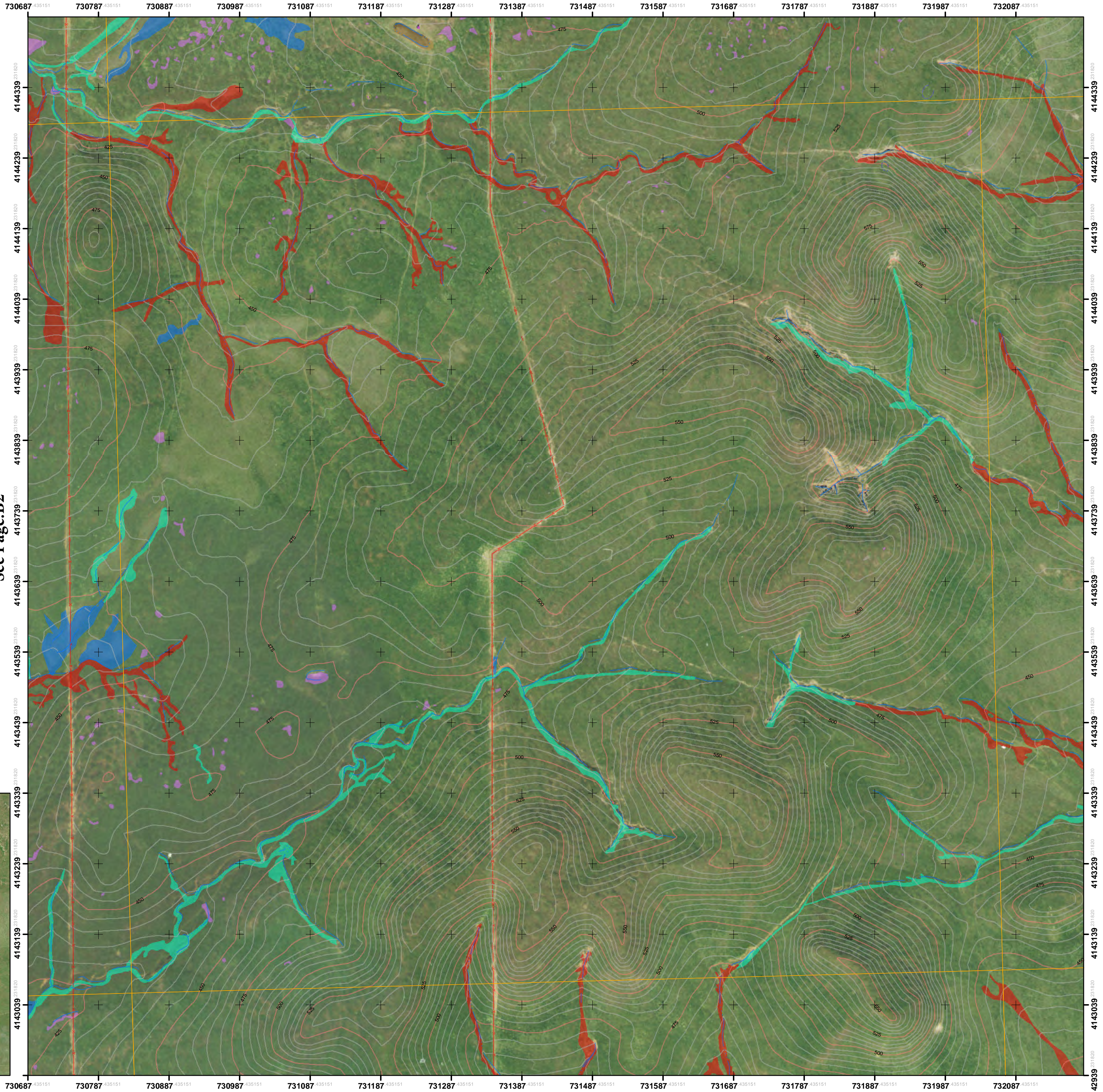
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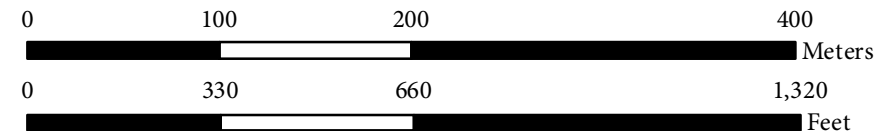
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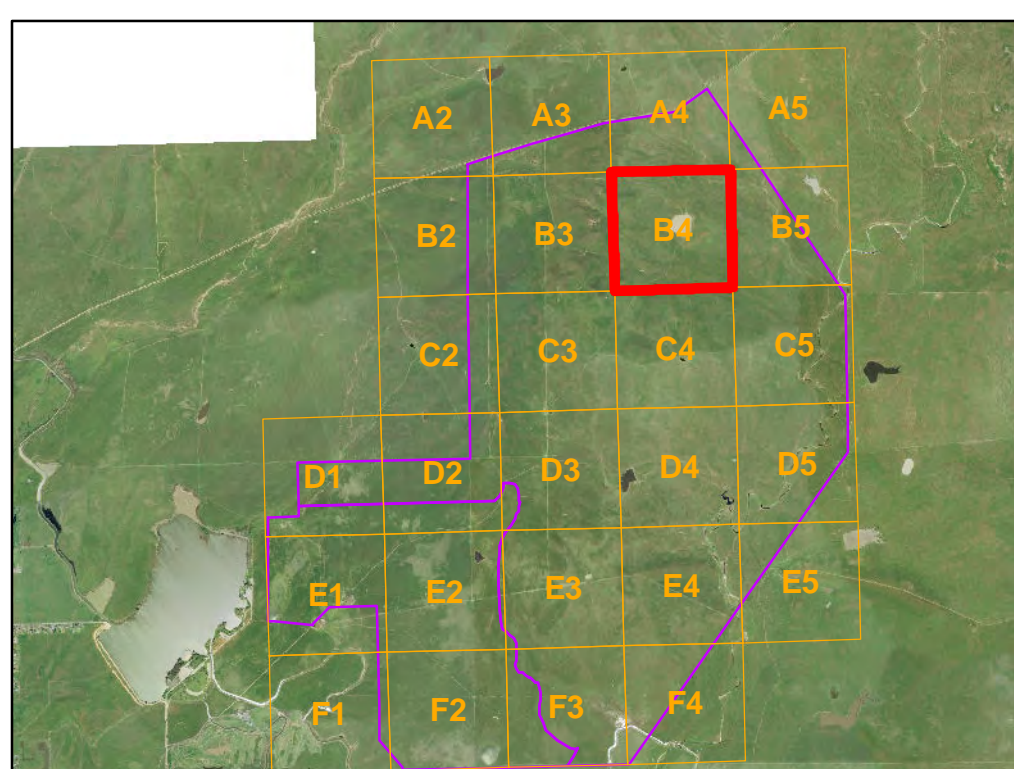
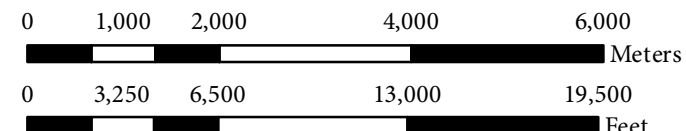
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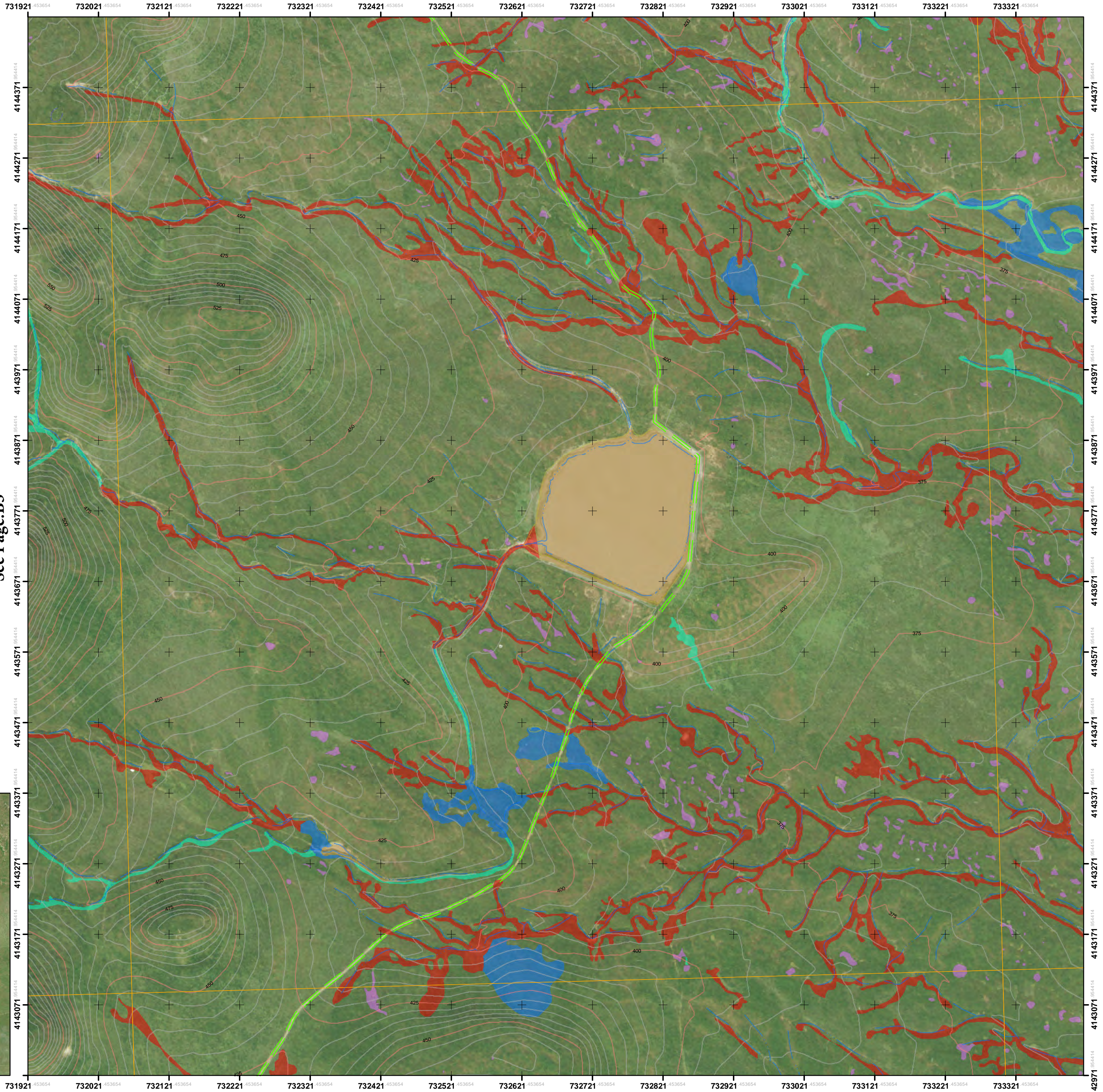
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  - x-x- Fence Line
  - Conservation Easement Boundary
  - Tree
  - Utilities
  - Building
  - Structure
  - Wind Mill
- | Water/Wetland Features |                    |
|------------------------|--------------------|
| Canal                  | Pool/Swale Complex |
| Clay Playa             | Seasonal           |
| Clay Slope             | Stockpond          |
| Linear                 | Swale Wetland      |
| Marsh                  | Vernal Pool        |



Reference Coordinate System:

NAD\_1983\_2011\_UTM\_Zone\_10N  
WKID: 102057 Authority: ESRI

Projection: Transverse\_Mercator  
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False\_Northing: 0.0  
Central\_Meridian: -123.0  
Scale\_Factor: 0.9996  
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Linear Unit: Meter (1.0)

Geographic Coordinate System: GCS\_NAD\_1983\_2011  
Angular Unit: Degree (0.0174532925199433)  
Prime Meridian: Greenwich (0.0)  
Datum: D\_NAD\_1983\_2011  
Spheroid: GRS\_1980  
Semimajor Axis: 6378137.0  
Semiminor Axis: 6356752.314140356  
Inverse Flattening: 298.257222101

Data Source:

Map Book prepared by:  
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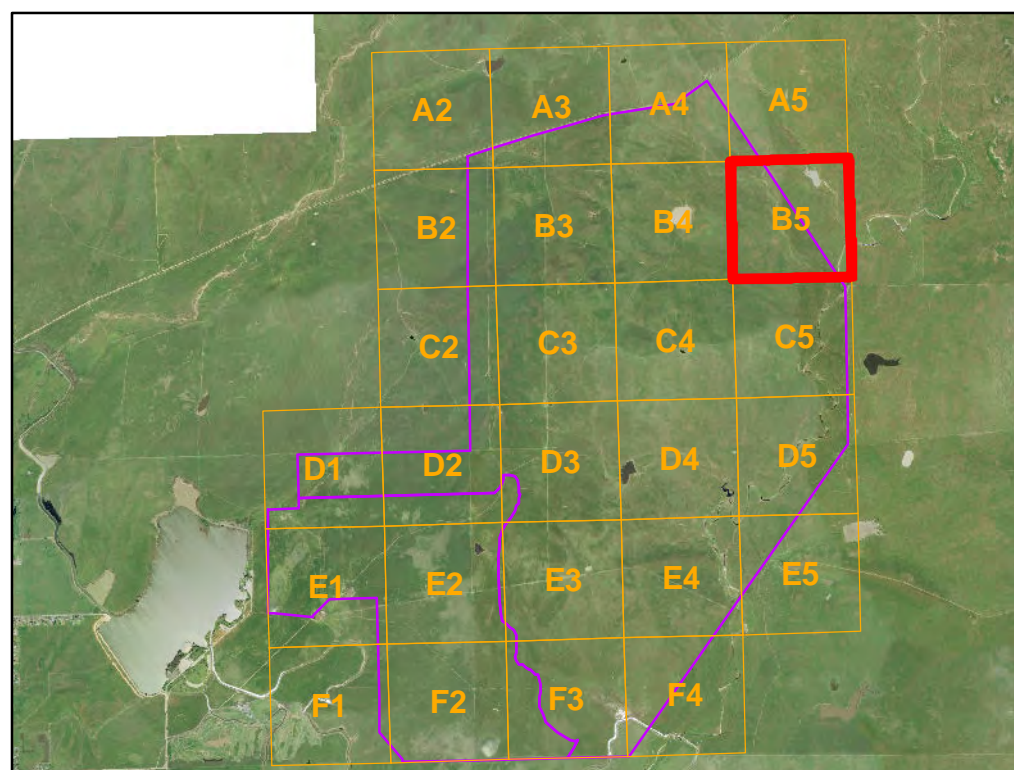
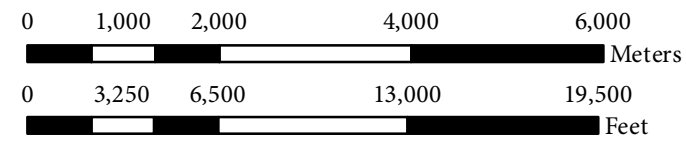
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Water/Wetland Delineation prepared by EIP Associates  
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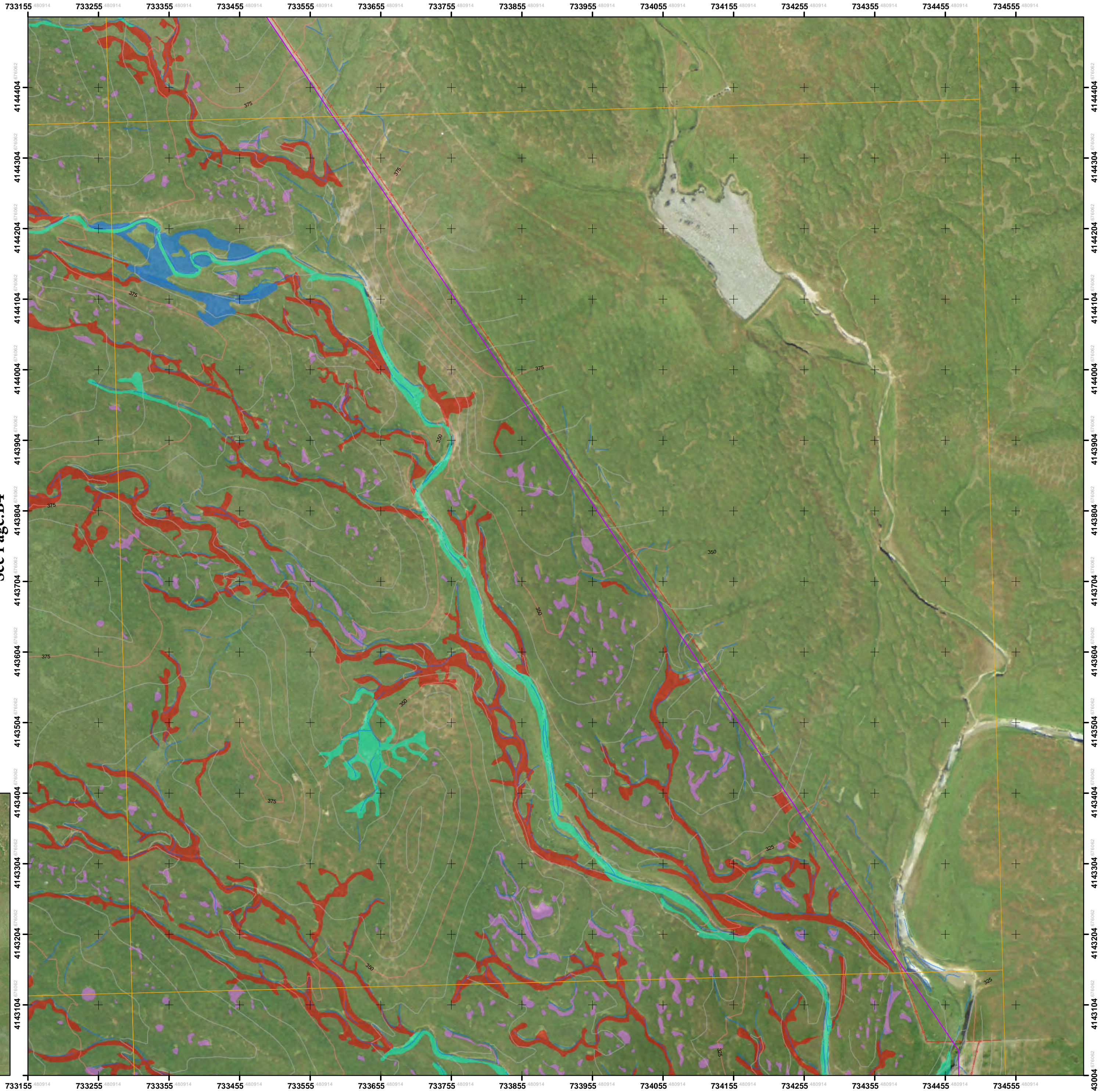
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Index Scale: 1 inch = 2,000 meters (6,561 Feet)



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University of California, Merced  
Merced Vernal Pools and Grassland Reserve  
WATER/WETLAND FEATURE MAP BOOK

4/8/2014

Legend

- + Reference Grid Interval (Units: Meters)  
X Axis Interval: 100 m  
Y Axis Interval: 100 m
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  - Interm Contour Interval: 5 Feet
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Inverse Flattening: 298.257222101

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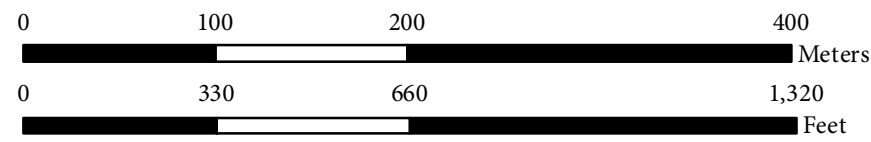
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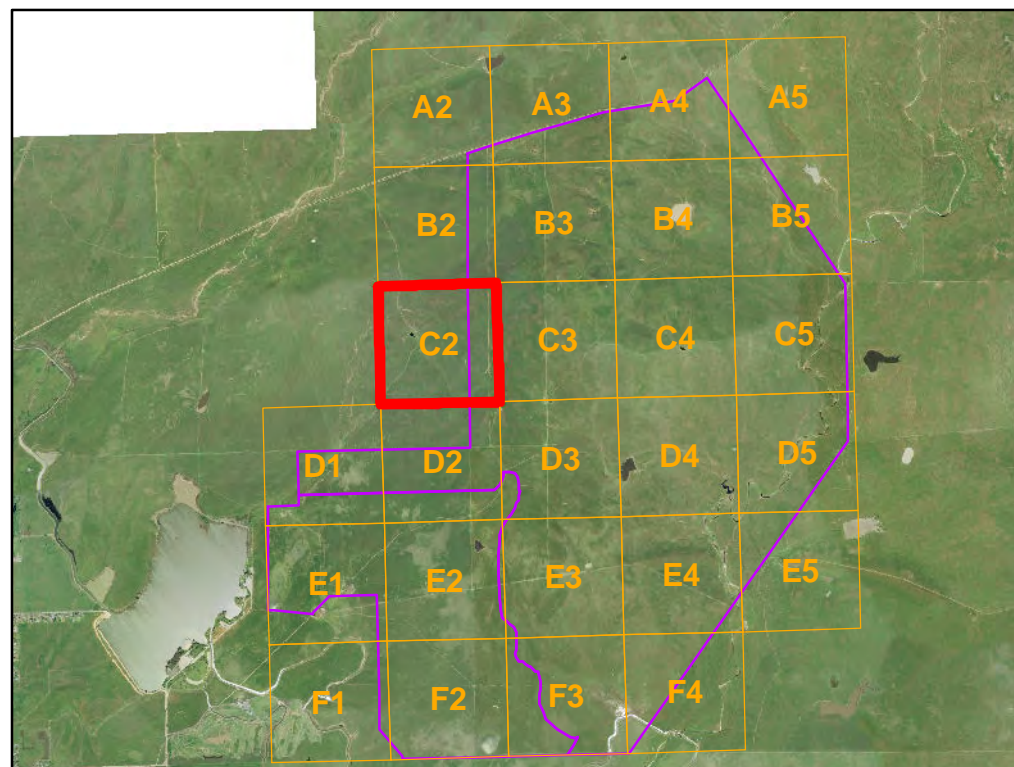
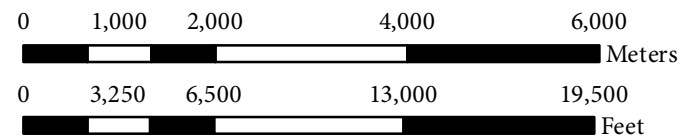
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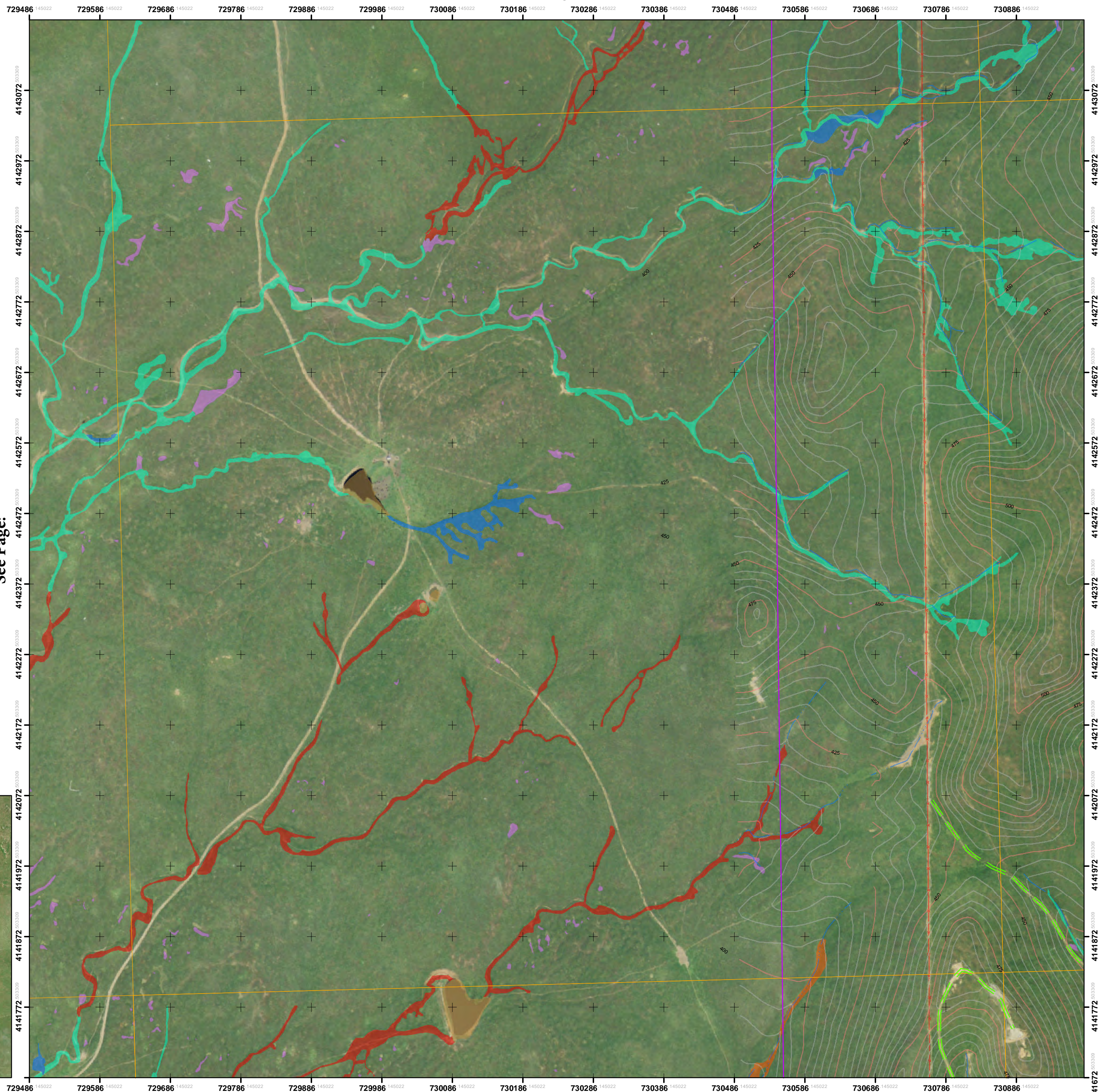
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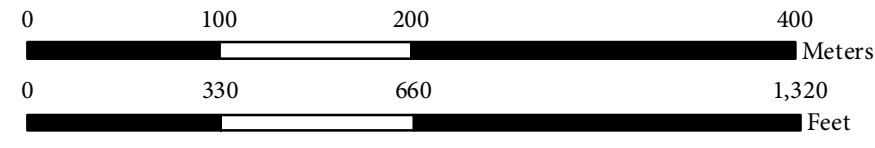
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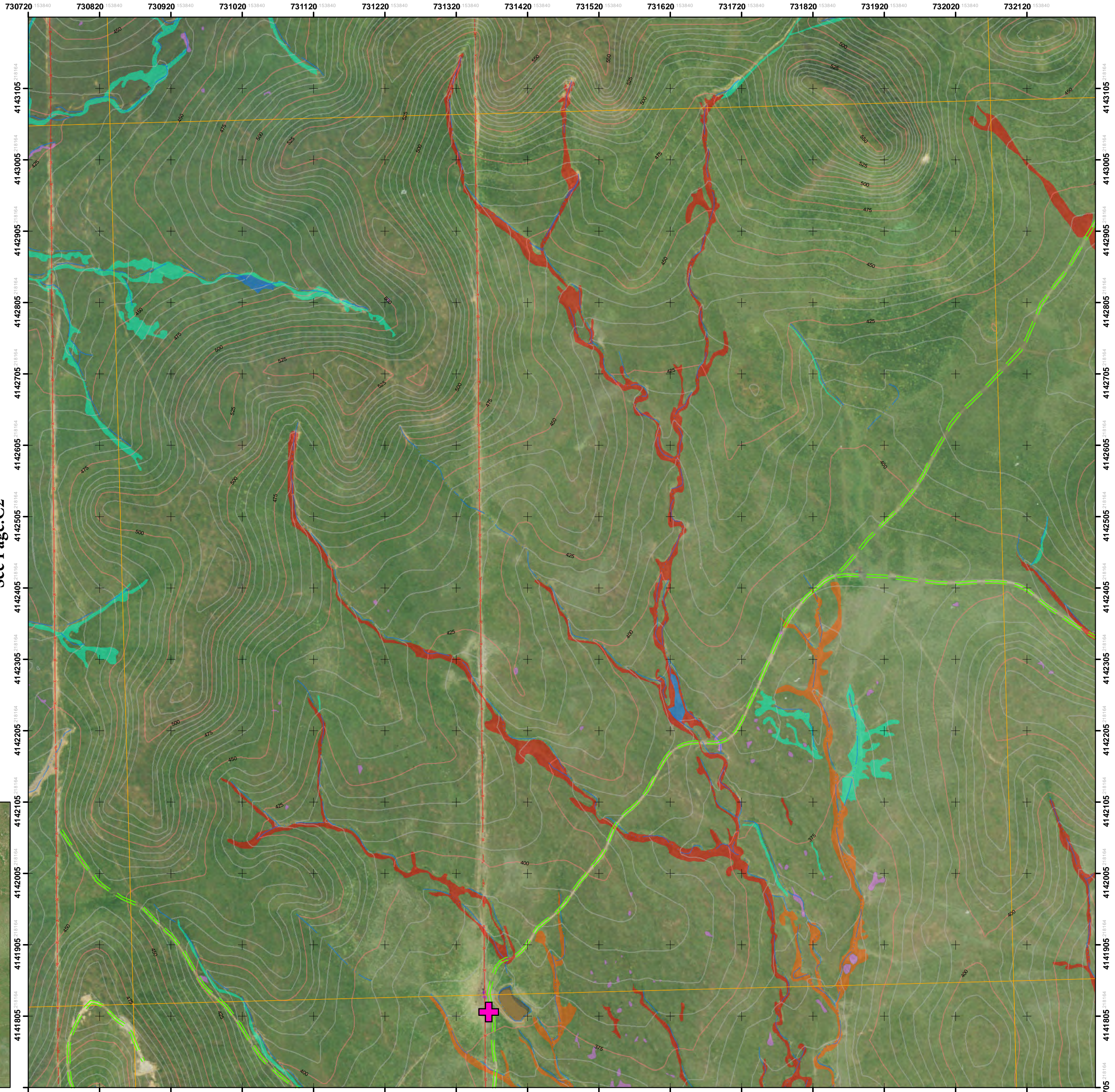
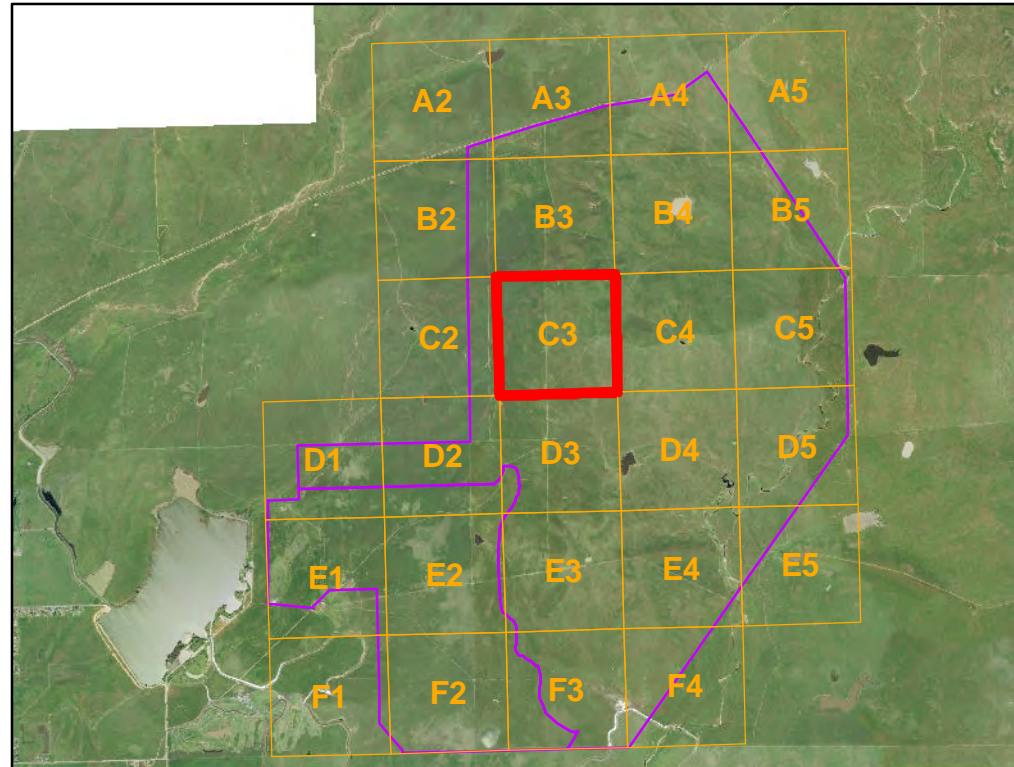
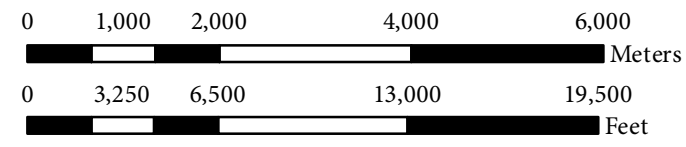
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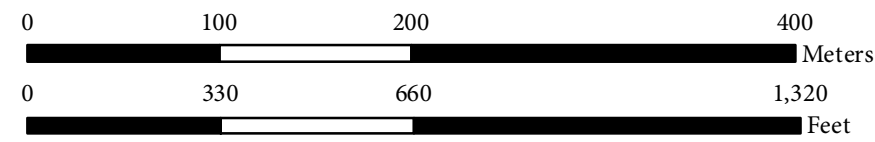
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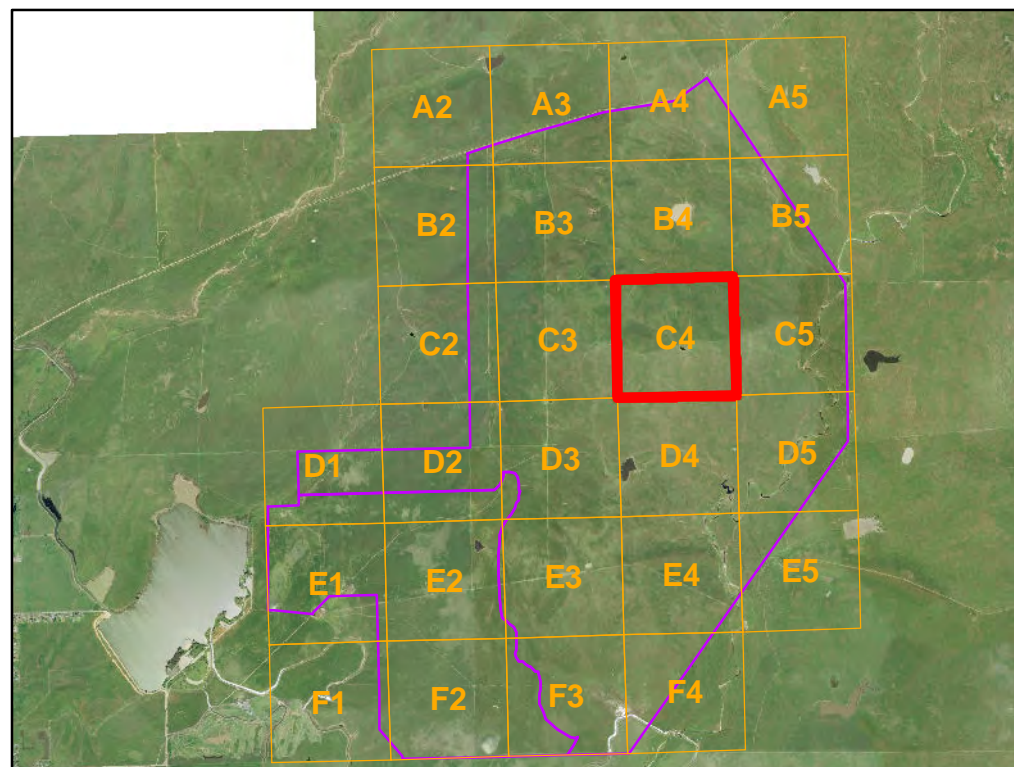
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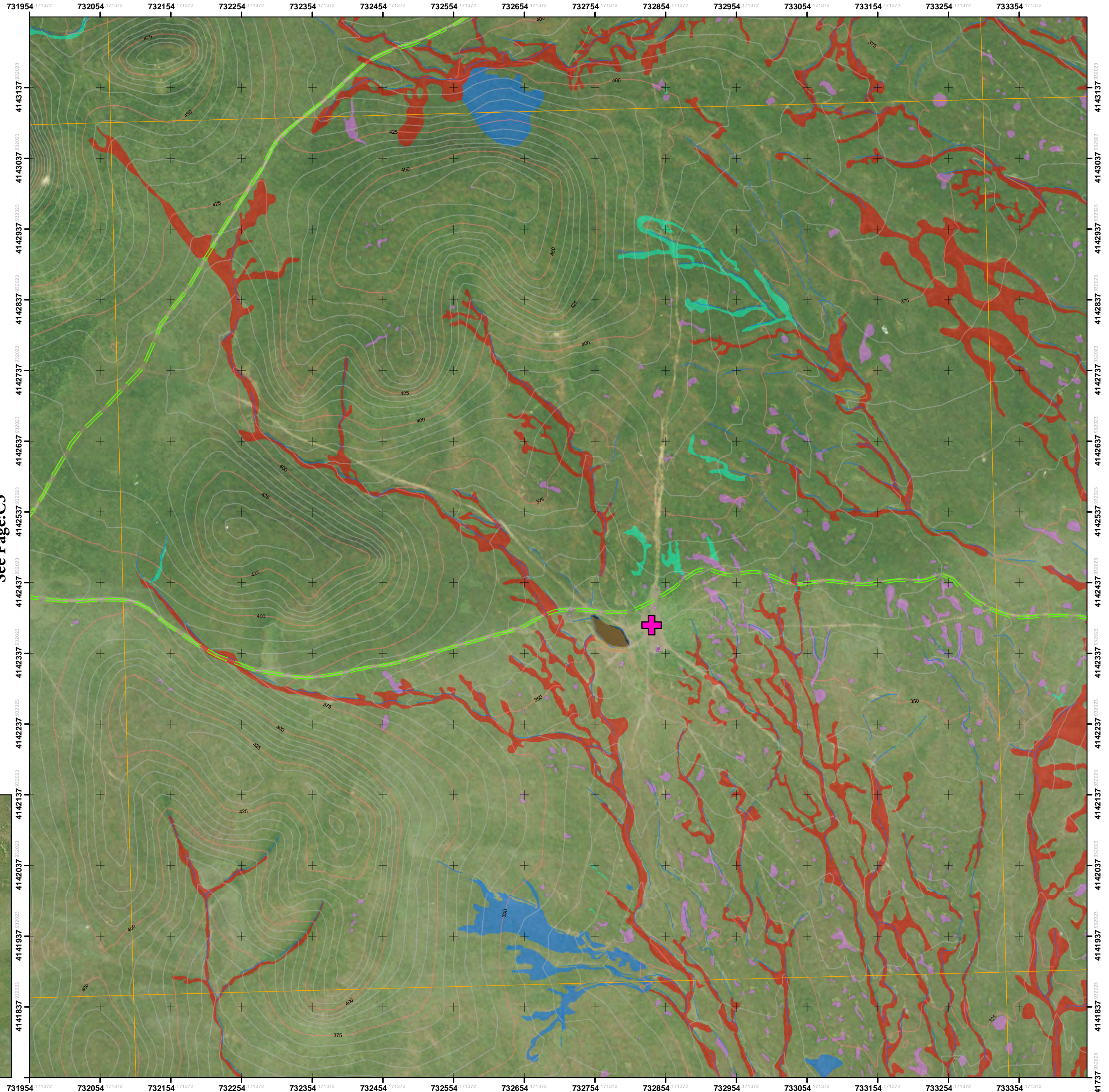
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Index Scale: 1 inch = 2,000 meters (6,561 Feet)



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University of California, Merced  
Merced Vernal Pools and Grassland Reserve  
WATER/WETLAND FEATURE MAP BOOK

4/8/2014

Legend

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X Axis Interval: 100 m  
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  - Natural Preserve Boundary Line
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- | Water/Wetland Features |                    |
|------------------------|--------------------|
| Canal                  | Pool/Swale Complex |
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Geographic Coordinate System: GCS\_NAD\_1983\_2011  
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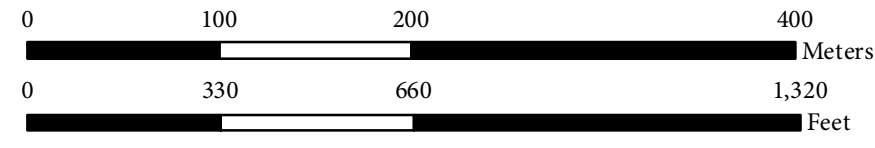
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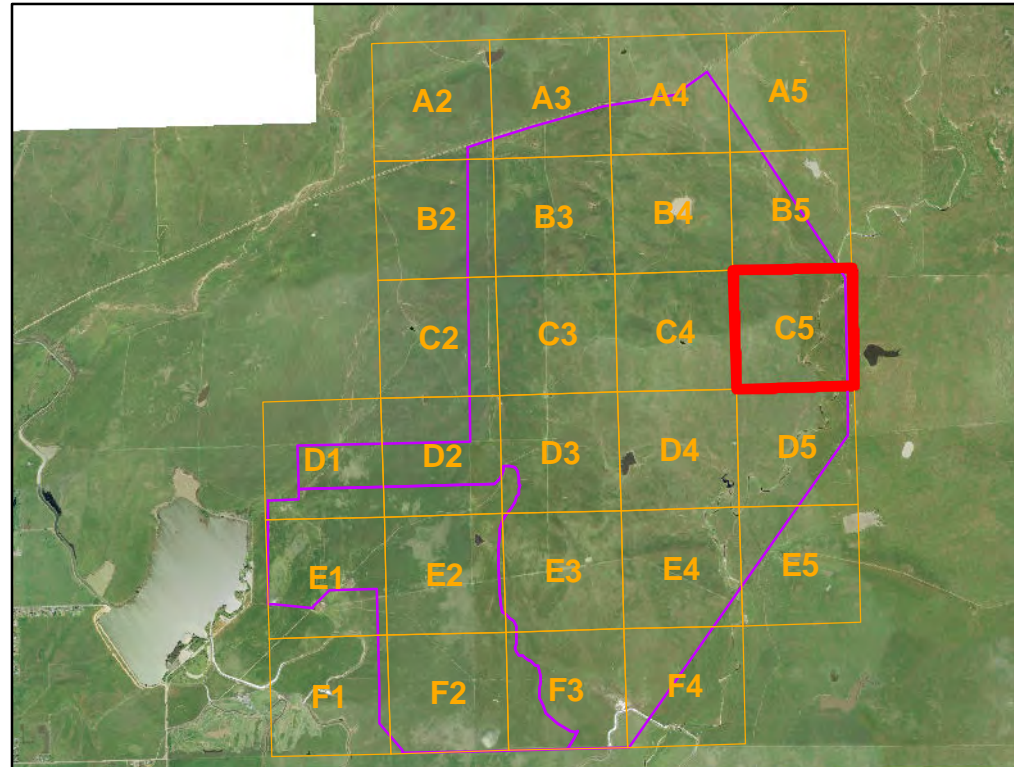
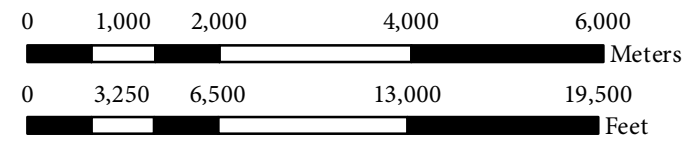
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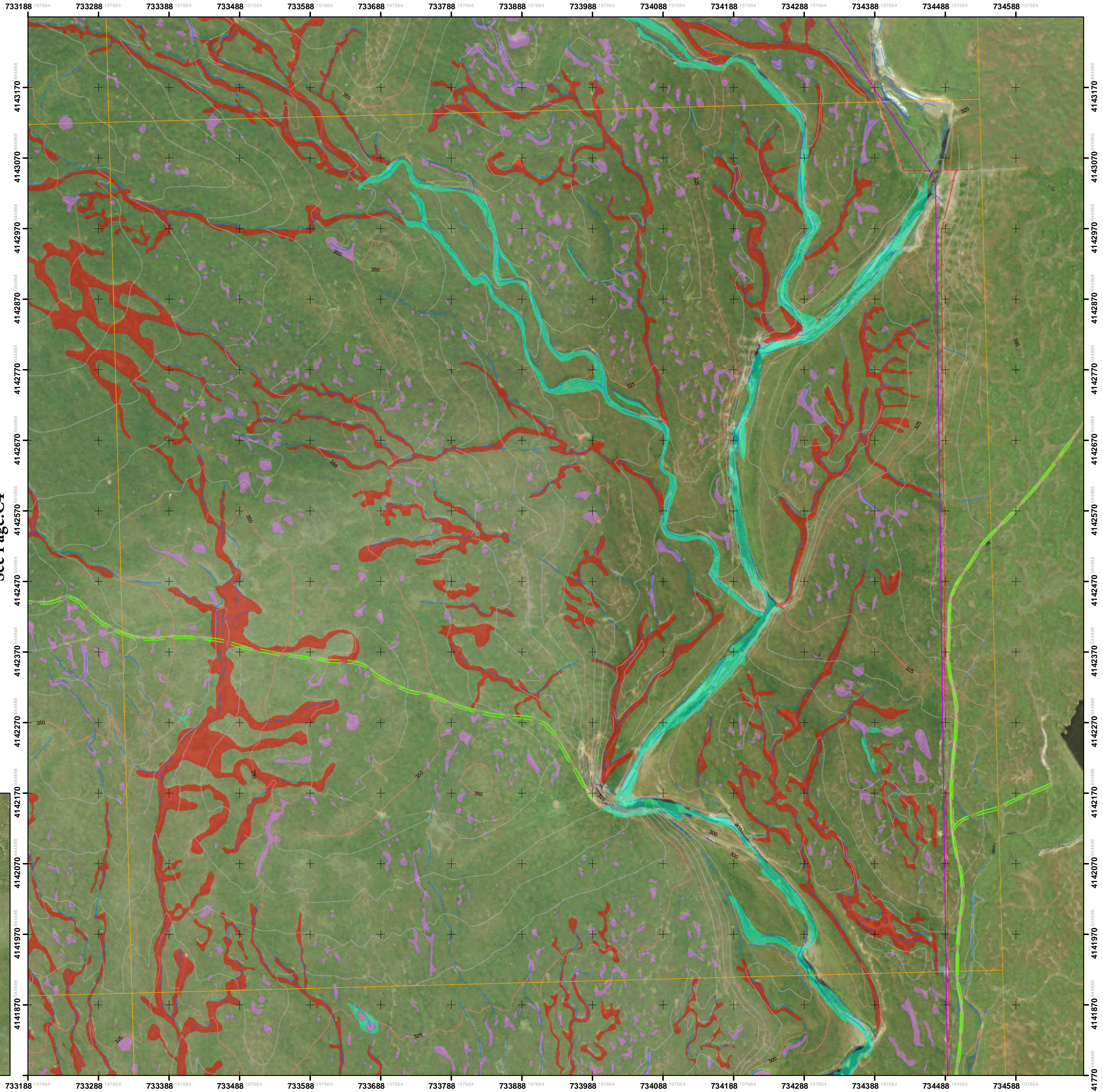
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University of California, Merced  
 Merced Vernal Pools and Grassland Reserve  
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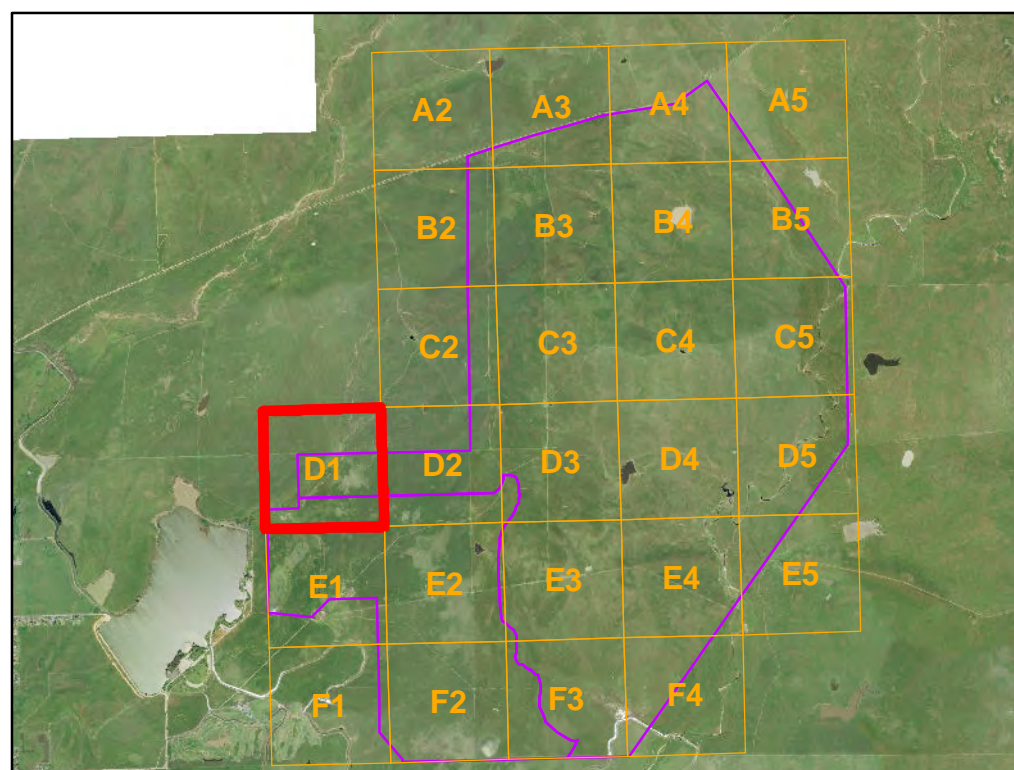
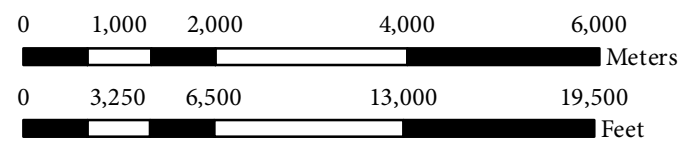
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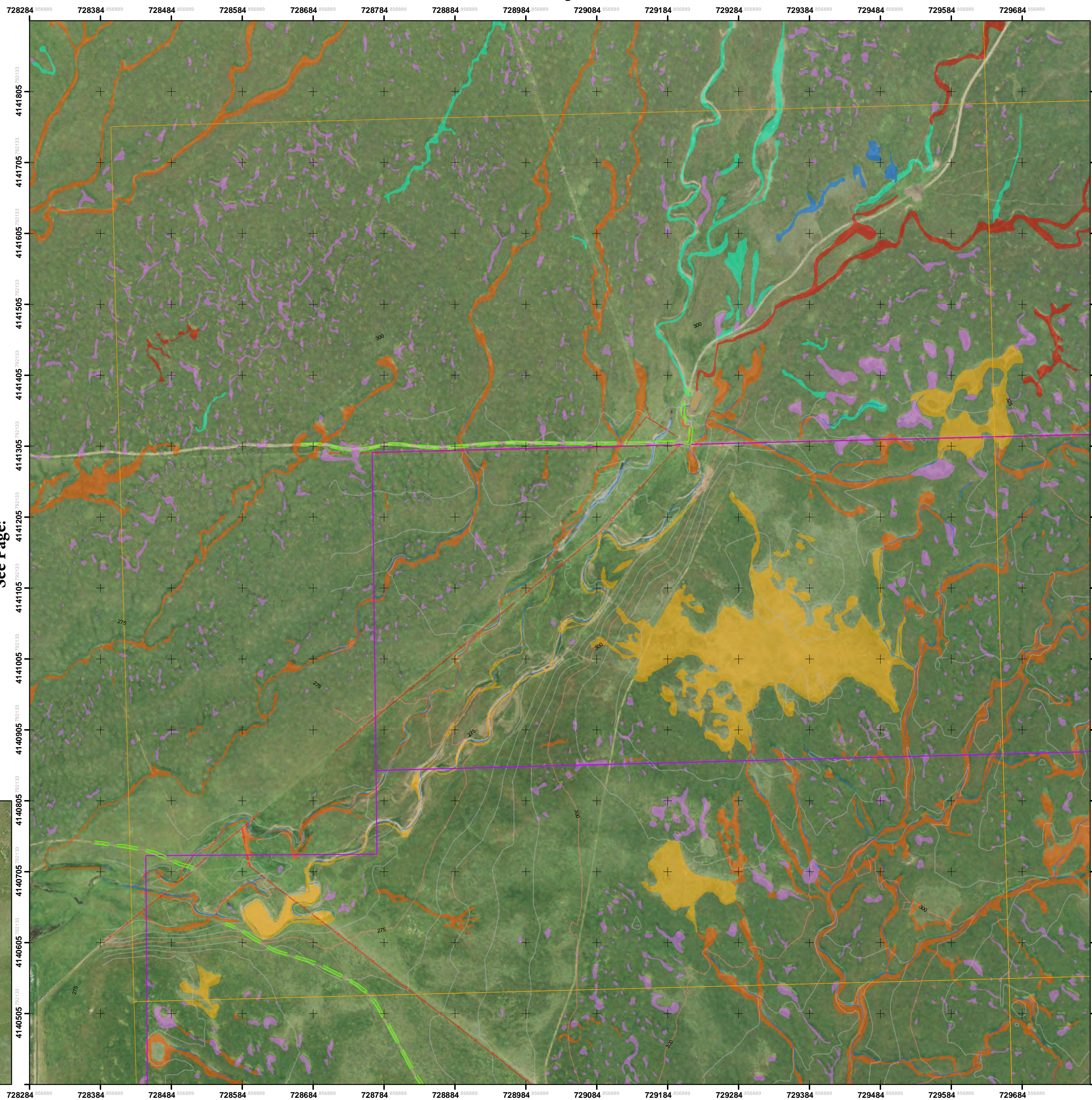
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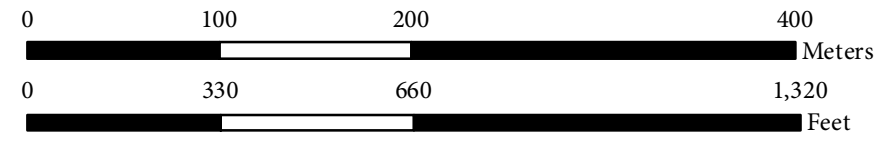
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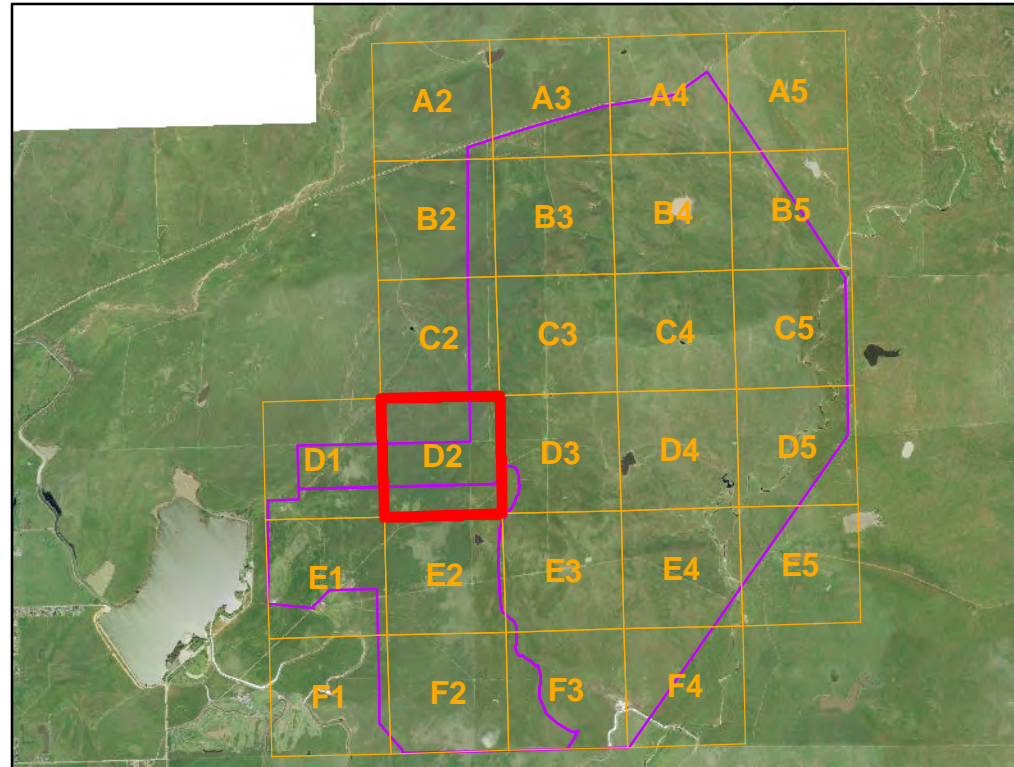
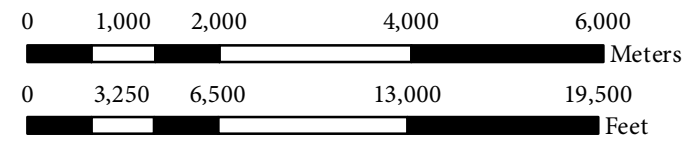
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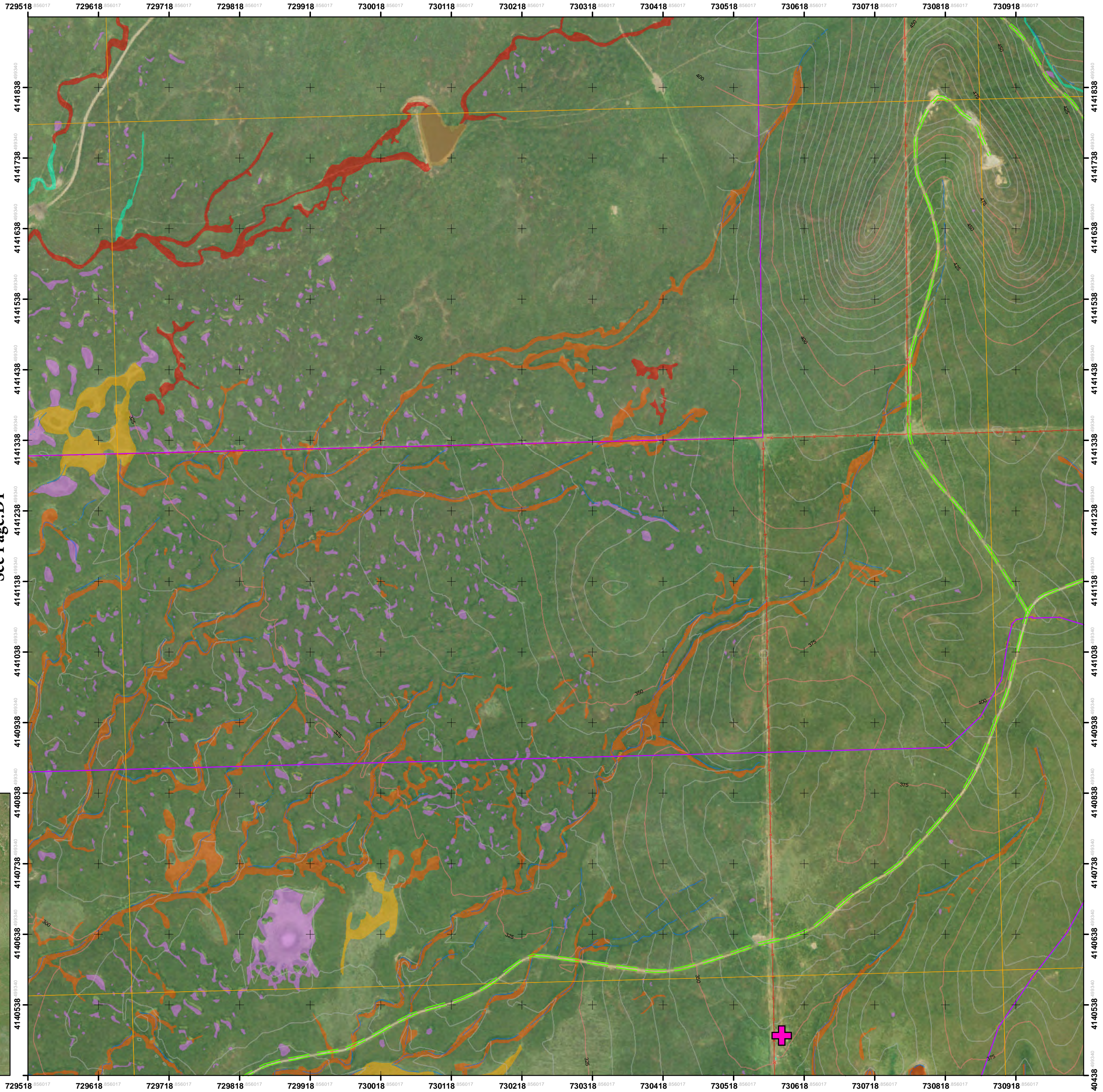
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| Marsh                  | Vernal Pool        |



Reference Coordinate System:

NAD\_1983\_2011\_UTM\_Zone\_10N  
 WKID: 102057 Authority: ESRI

Projection: Transverse\_Mercator  
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 False\_Northing: 0.0  
 Central\_Meridian: -123.0  
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 Linear Unit: Meter (1.0)

Geographic Coordinate System: GCS\_NAD\_1983\_2011  
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 Prime Meridian: Greenwich (0.0)  
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 Spheroid: GRS\_1980  
 Semimajor Axis: 6378137.0  
 Semiminor Axis: 6356752.314140356  
 Inverse Flattening: 298.257222101

Data Source:

Map Book prepared by:  
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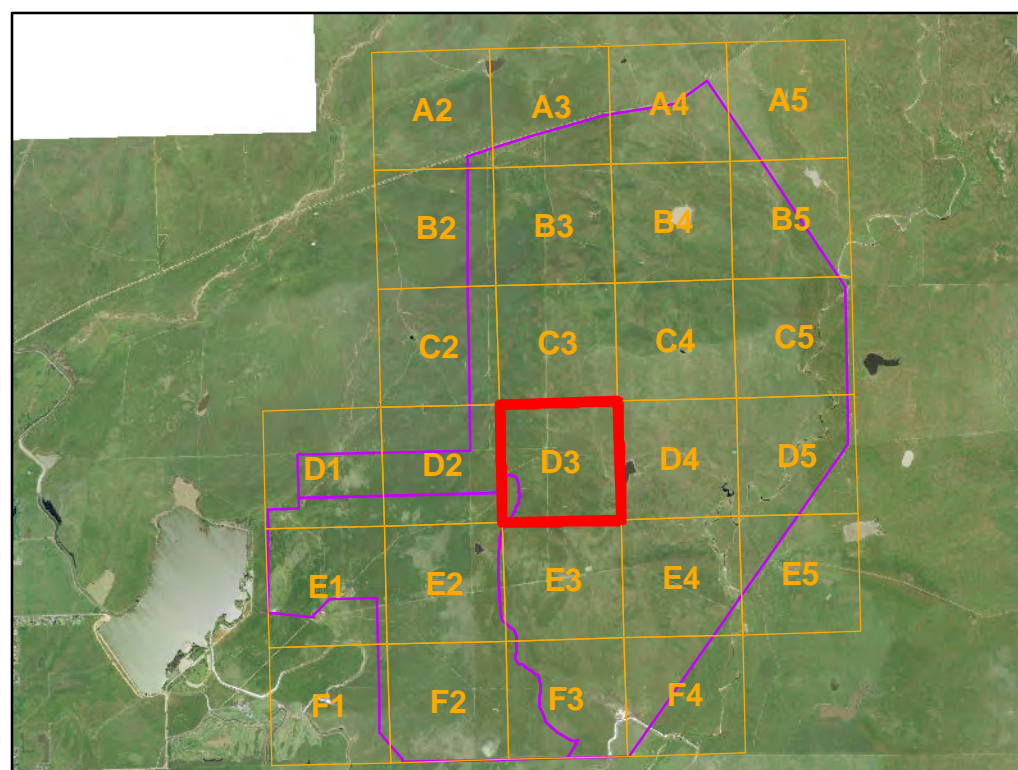
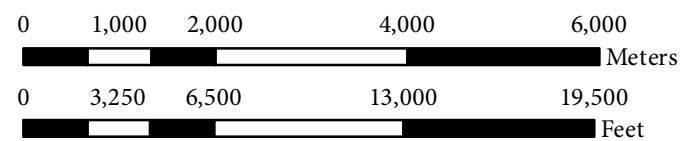
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 Imagery taken in March 1999  
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 scale of 1" = 200' with 5' contour intervals

Water/Wetland Delineation prepared by EIP Associates  
 1200 2nd Street # 200  
 Sacramento, CA 95814

Page Scale: 1 inch = 100 meters (328 Feet)

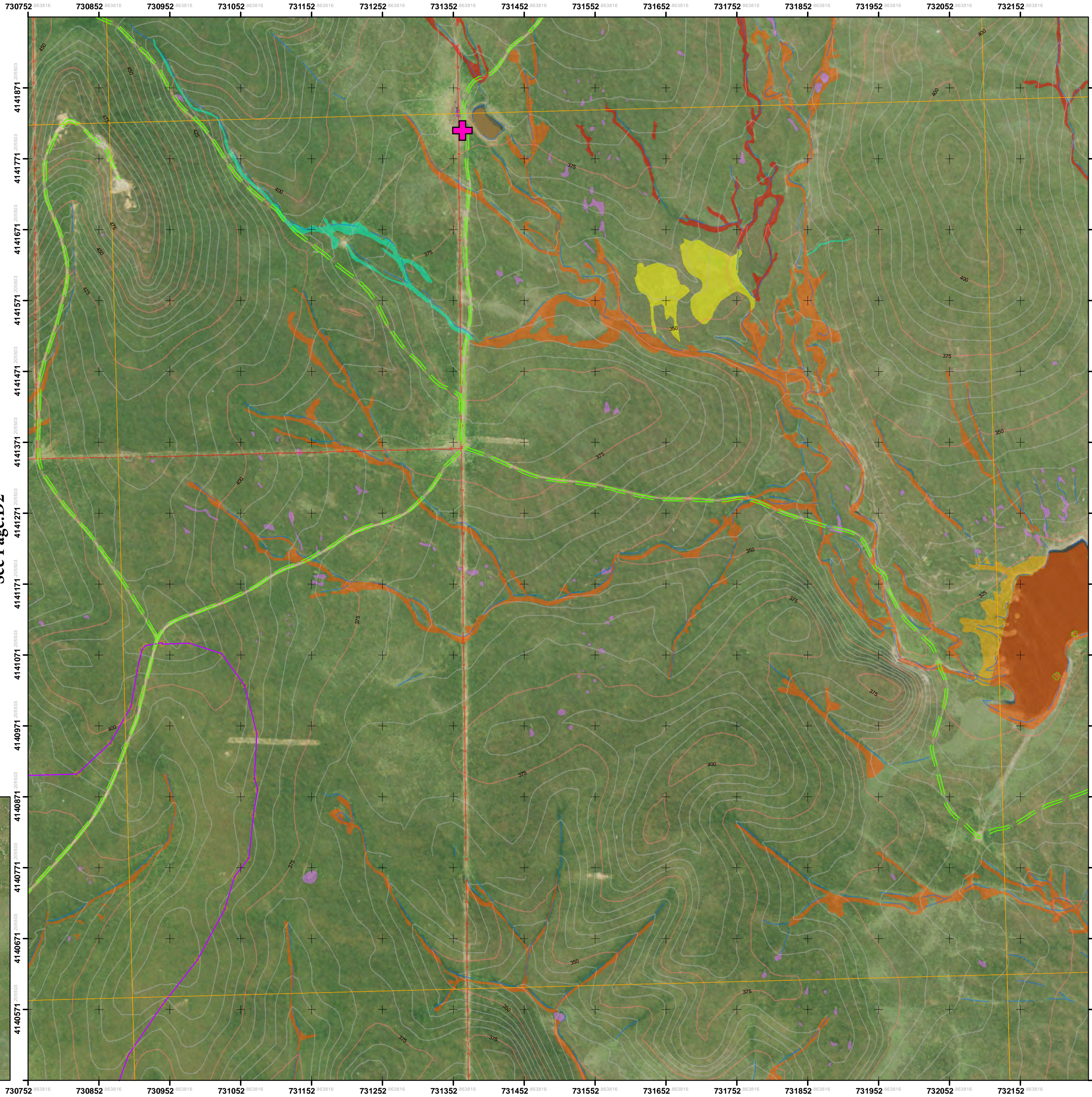


Index Scale: 1 inch = 2,000 meters (6,561 Feet)



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University of California, Merced  
 Merced Vernal Pools and Grassland Reserve  
 WATER/WETLAND FEATURE MAP BOOK

4/8/2014

Legend

- + Reference Grid Interval (Units: Meters)  
 X Axis Interval: 100 m  
 Y Axis Interval: 100 m
  - Natural Preserve Boundary Line
  - 500— Index Contour Interval: 25 Feet
  - Interm Contour Interval: 5 Feet
  - Dirt Road
  - Water Line
  - x-x- Fence Line
  - Conservation Easement Boundary
  - Tree
  - Utilities
  - Building
  - Structure
  - Wind Mill
- | Water/Wetland Features |               |                    |
|------------------------|---------------|--------------------|
| Canal                  | Clay Playa    | Pool/Swale Complex |
| Clay Slope             | Stockpond     | Seasonal           |
| Linear                 | Swale Wetland | Vernal Pool        |
| Marsh                  |               |                    |



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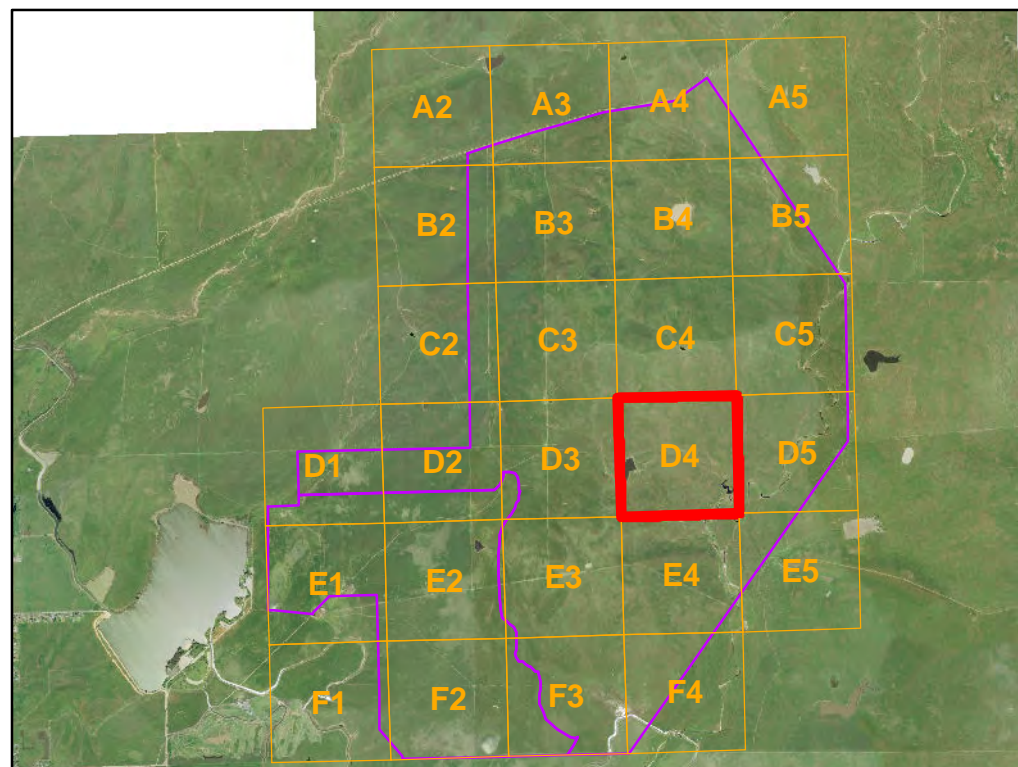
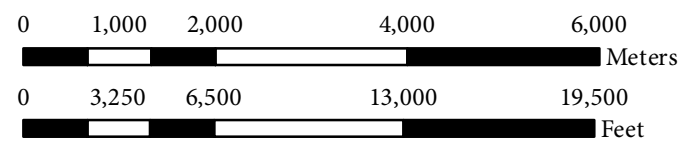
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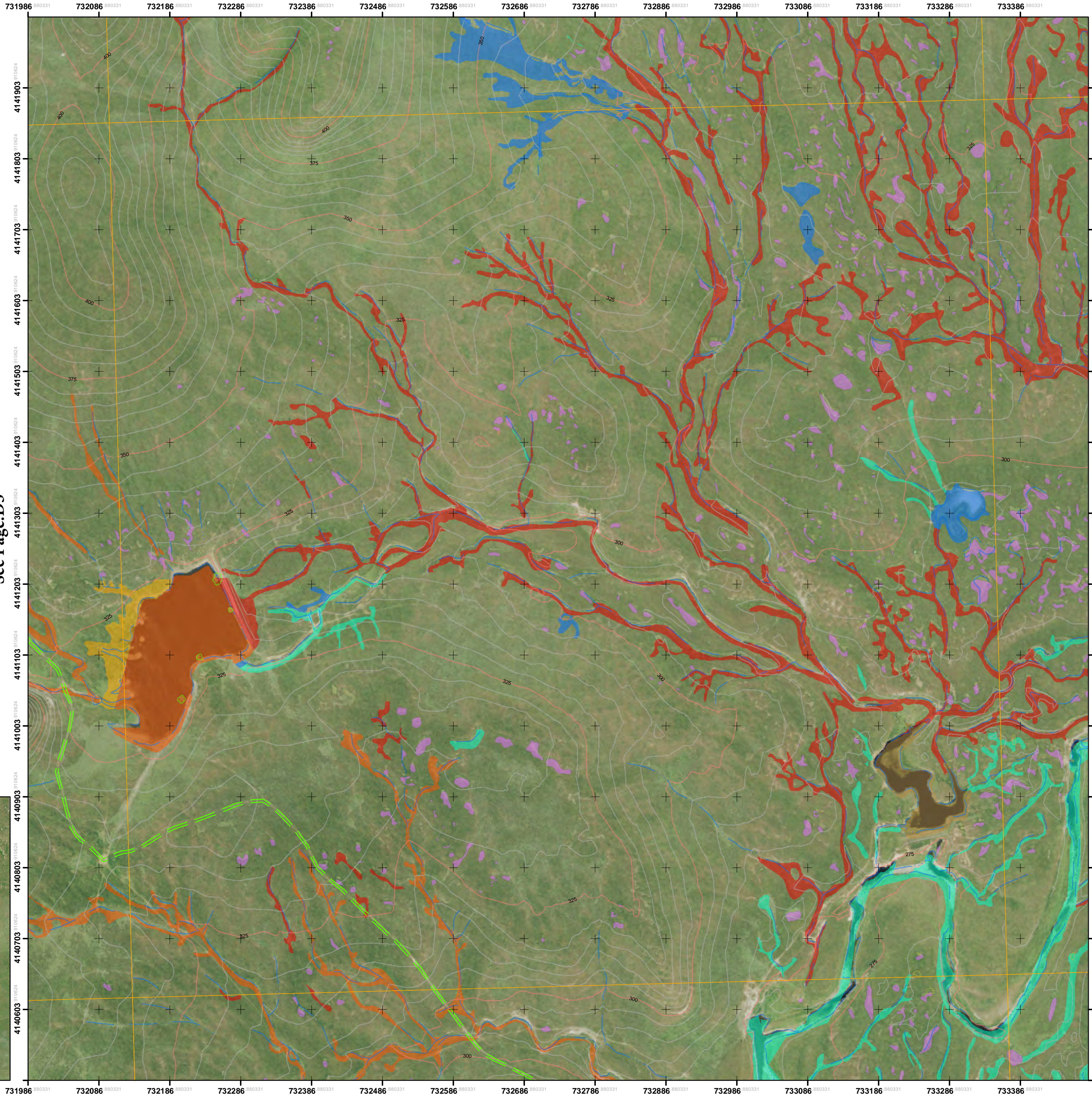


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  - Utilities
  - Building
  - Structure
  - Wind Mill
- | Water/Wetland Features |               |                    |
|------------------------|---------------|--------------------|
| Canal                  | Clay Playa    | Pool/Swale Complex |
| Clay Slope             | Linear        | Seasonal           |
| Marsh                  | Swale Wetland | Stockpond          |
|                        | Vernal Pool   |                    |



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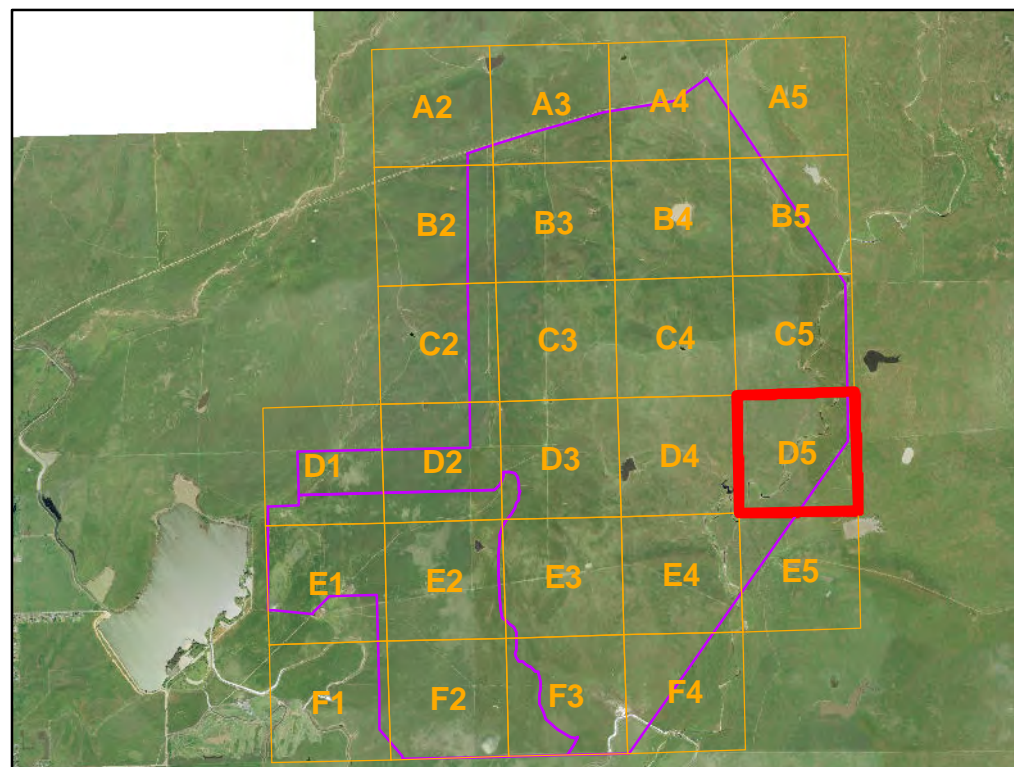
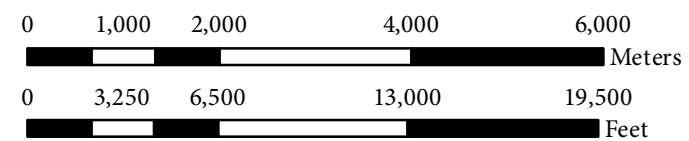
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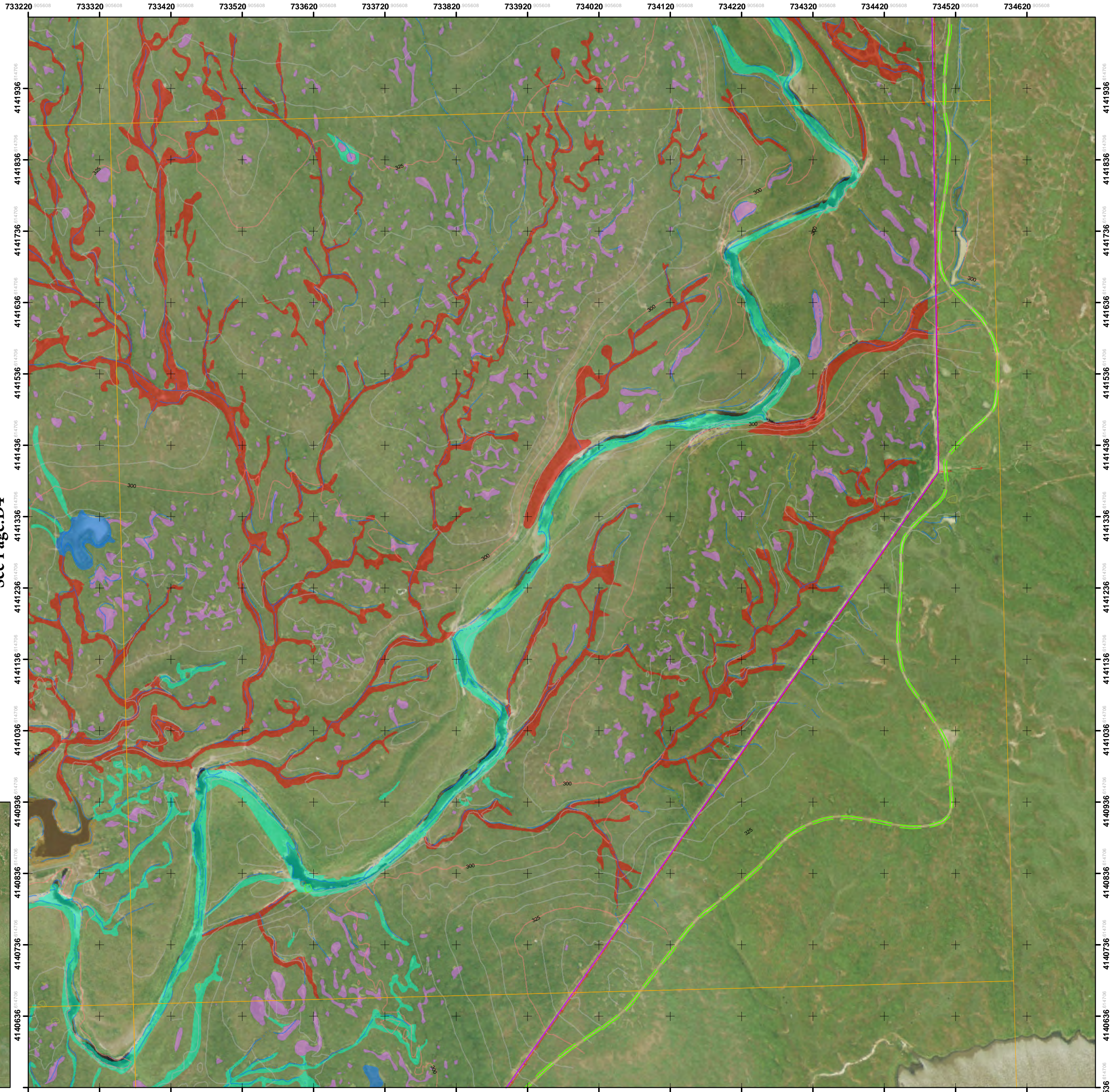
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University of California, Merced  
 Merced Vernal Pools and Grassland Reserve  
 WATER/WETLAND FEATURE MAP BOOK

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**Legend**

- Reference Grid Interval (Units: Meters)  
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- Utilities
- Building
- Structure
- Wind Mill
- Water/Wetland Features**
- Canal
- Clay Playa
- Clay Slope
- Linear
- Marsh
- Pool/Swale Complex
- Seasonal
- Stockpond
- Swale Wetland
- Vernal Pool



**Reference Coordinate System:**

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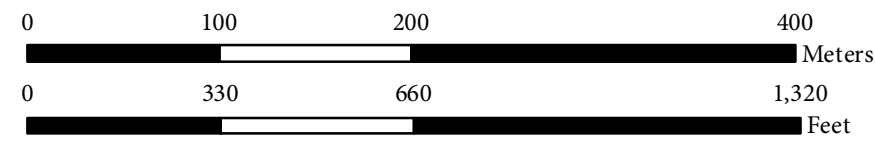
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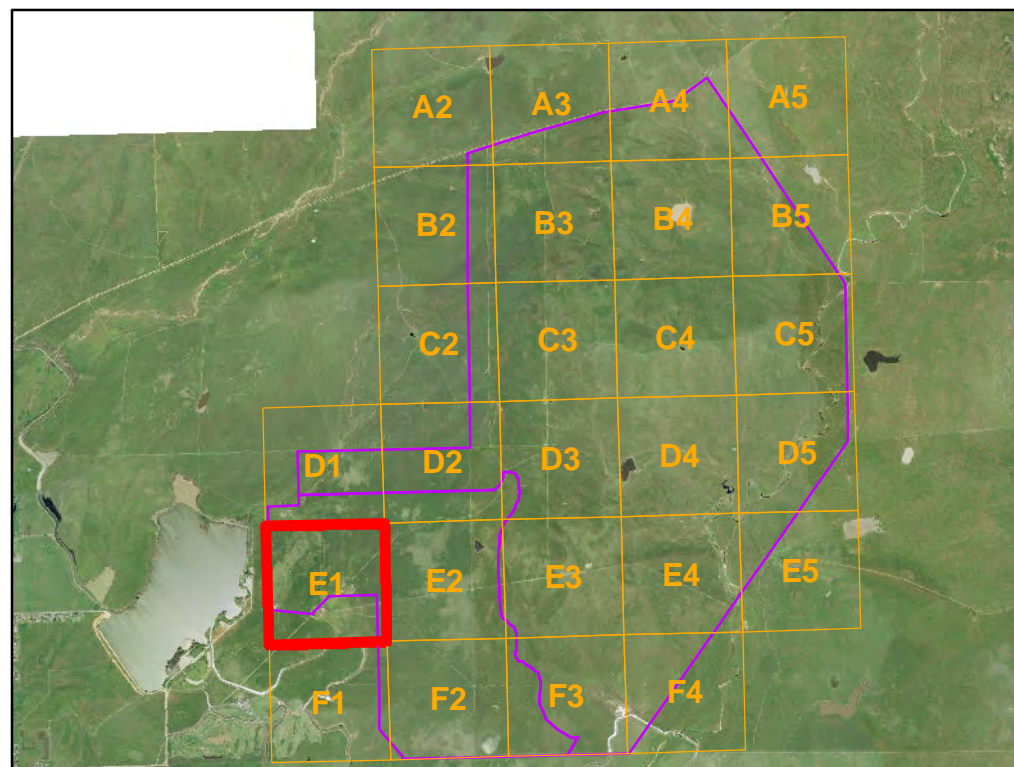
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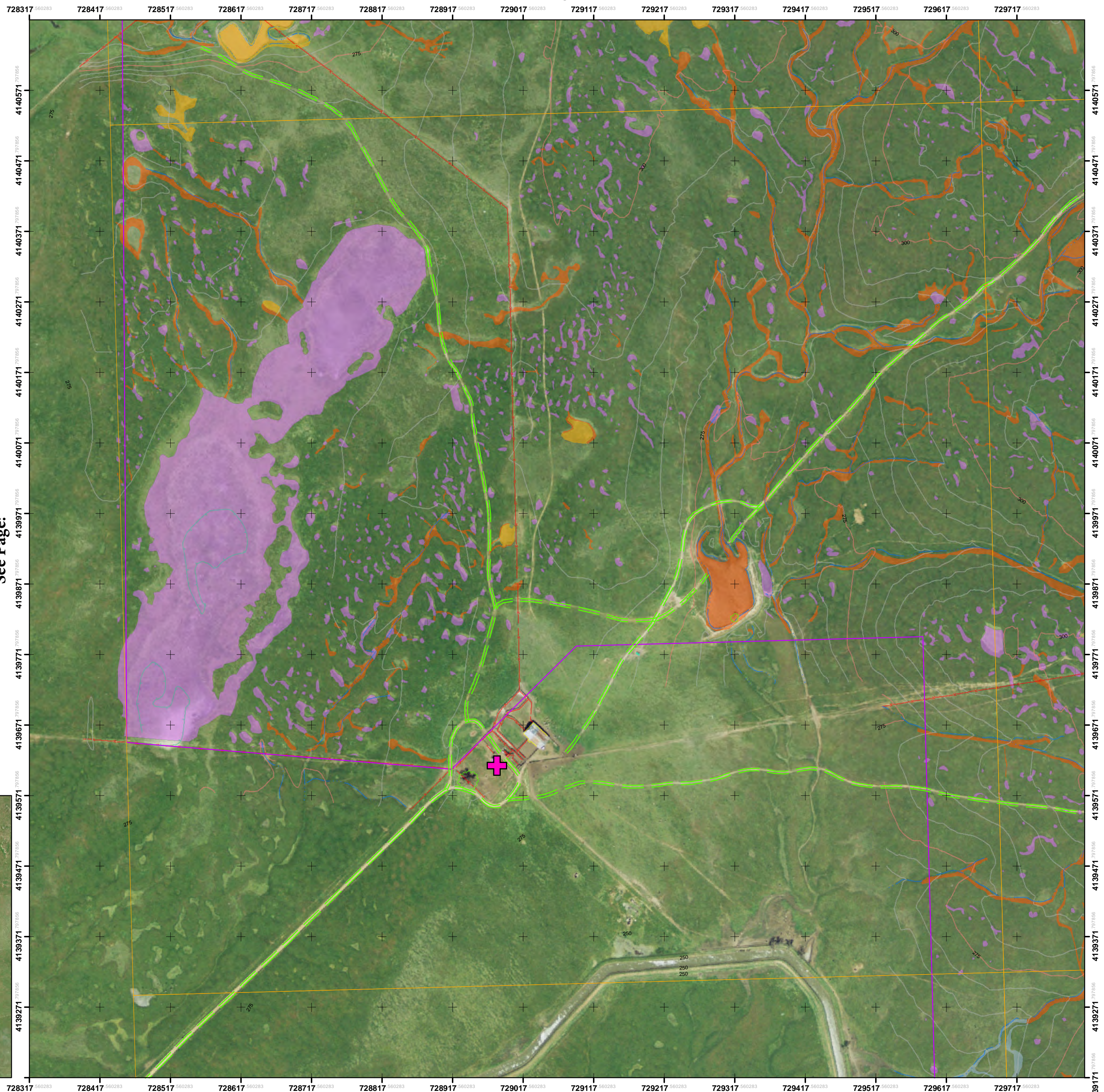
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Merced Vernal Pools and Grassland Reserve  
WATER/WETLAND FEATURE MAP BOOK

4/8/2014

Legend

- + Reference Grid Interval (Units: Meters)  
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  - Structure
  - Wind Mill
- | Water/Wetland Features |                    |
|------------------------|--------------------|
| Canal                  | Pool/Swale Complex |
| Clay Playa             | Seasonal           |
| Clay Slope             | Stockpond          |
| Linear                 | Swale Wetland      |
| Marsh                  | Vernal Pool        |



Reference Coordinate System:

NAD\_1983\_2011\_UTM\_Zone\_10N  
WKID: 102057 Authority: ESRI

Projection: Transverse\_Mercator  
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False\_Northing: 0  
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Scale\_Factor: 0.9996  
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Linear Unit: Meter (1.0)

Geographic Coordinate System: GCS\_NAD\_1983\_2011  
Angular Unit: Degree (0.0174532925199433)  
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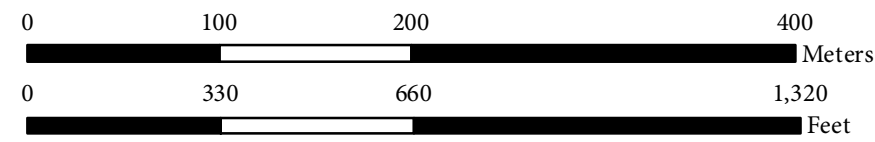
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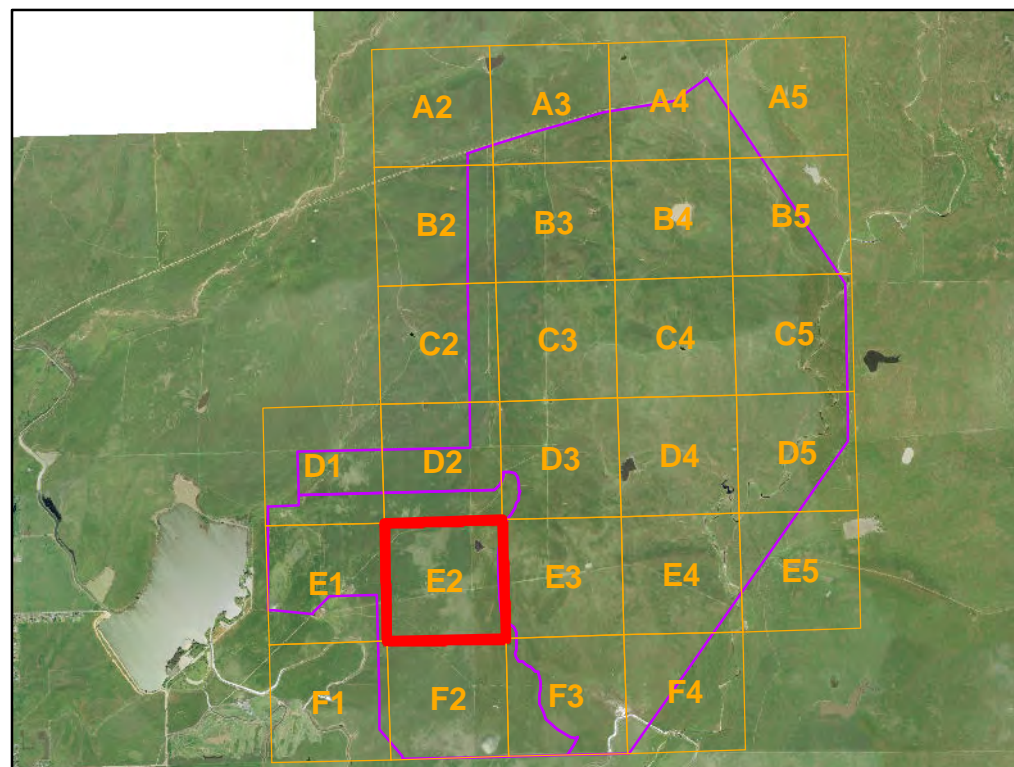
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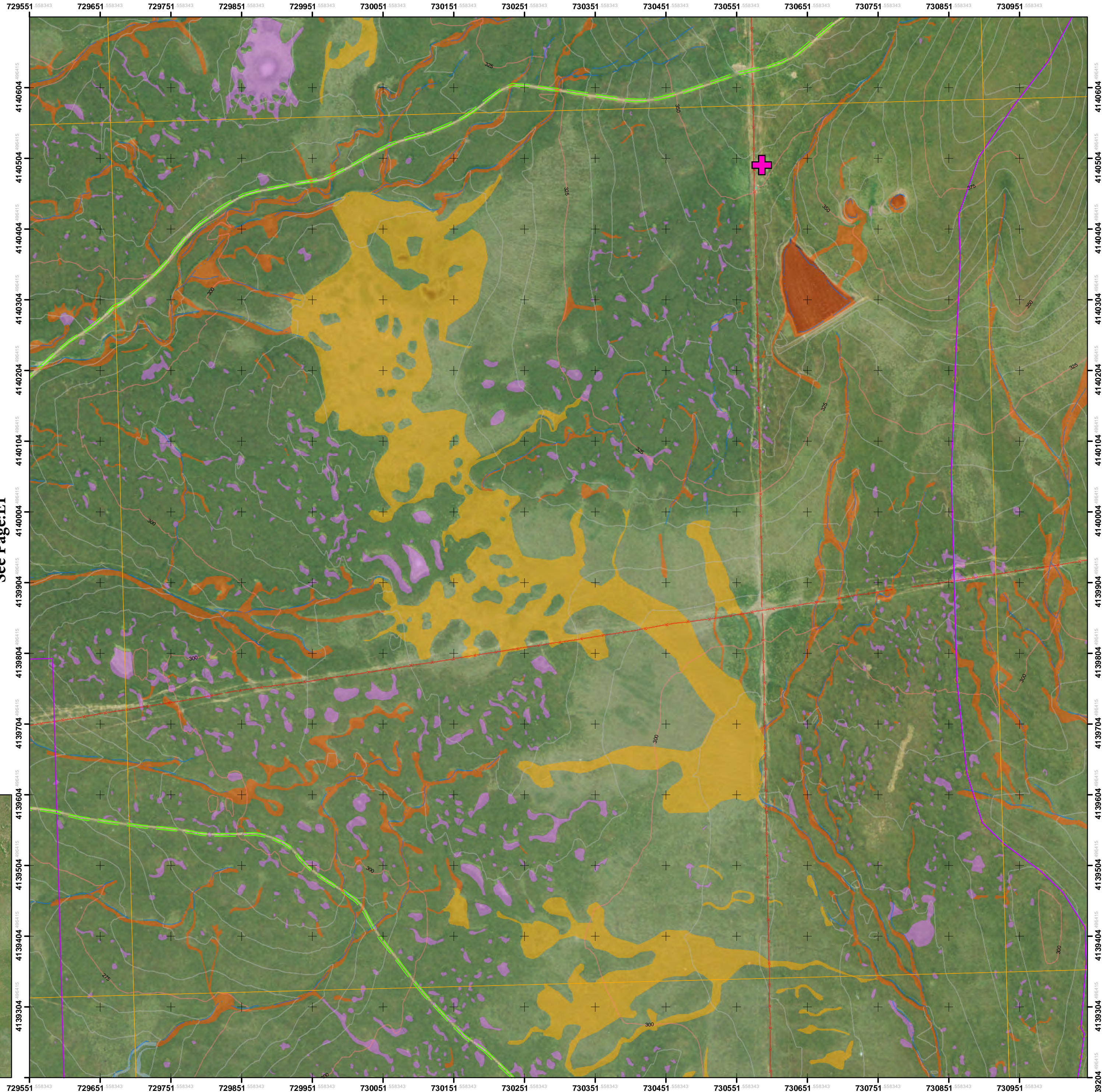
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University of California, Merced  
Merced Vernal Pools and Grassland Reserve  
WATER/WETLAND FEATURE MAP BOOK

4/8/2014

Legend

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- | Water/Wetland Features |                    |
|------------------------|--------------------|
| Canal                  | Pool/Swale Complex |
| Clay Playa             | Seasonal           |
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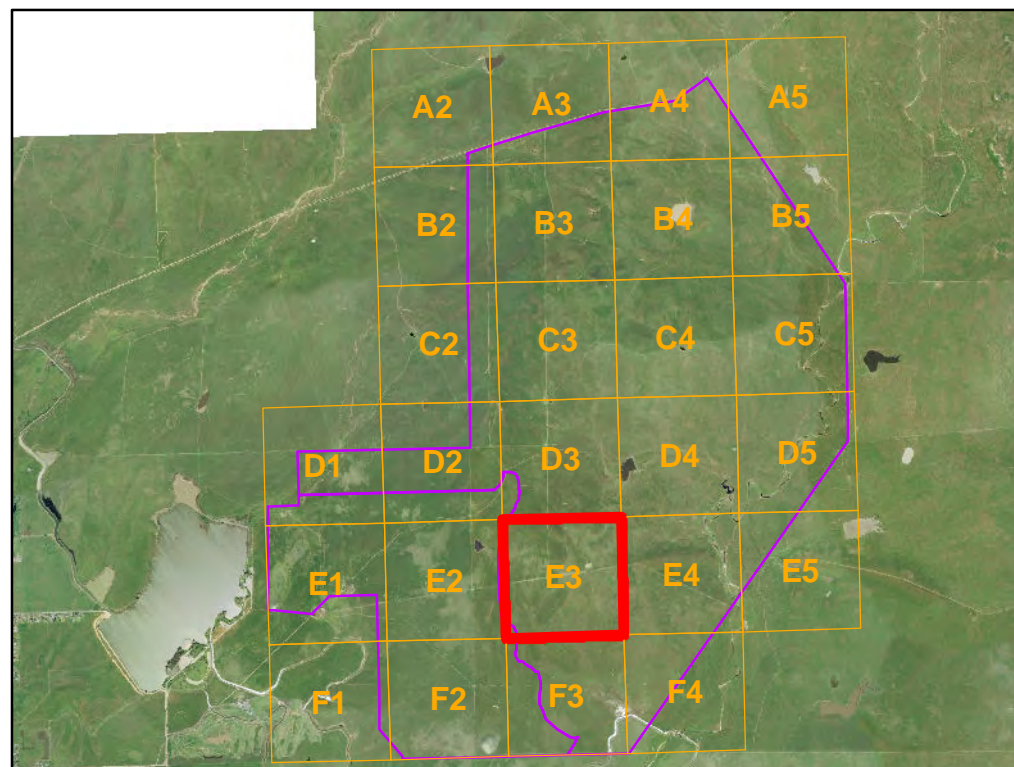
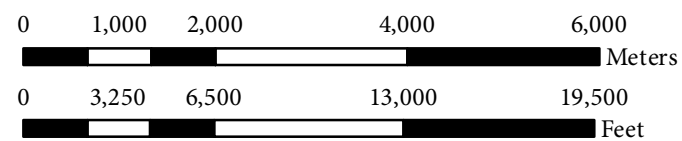
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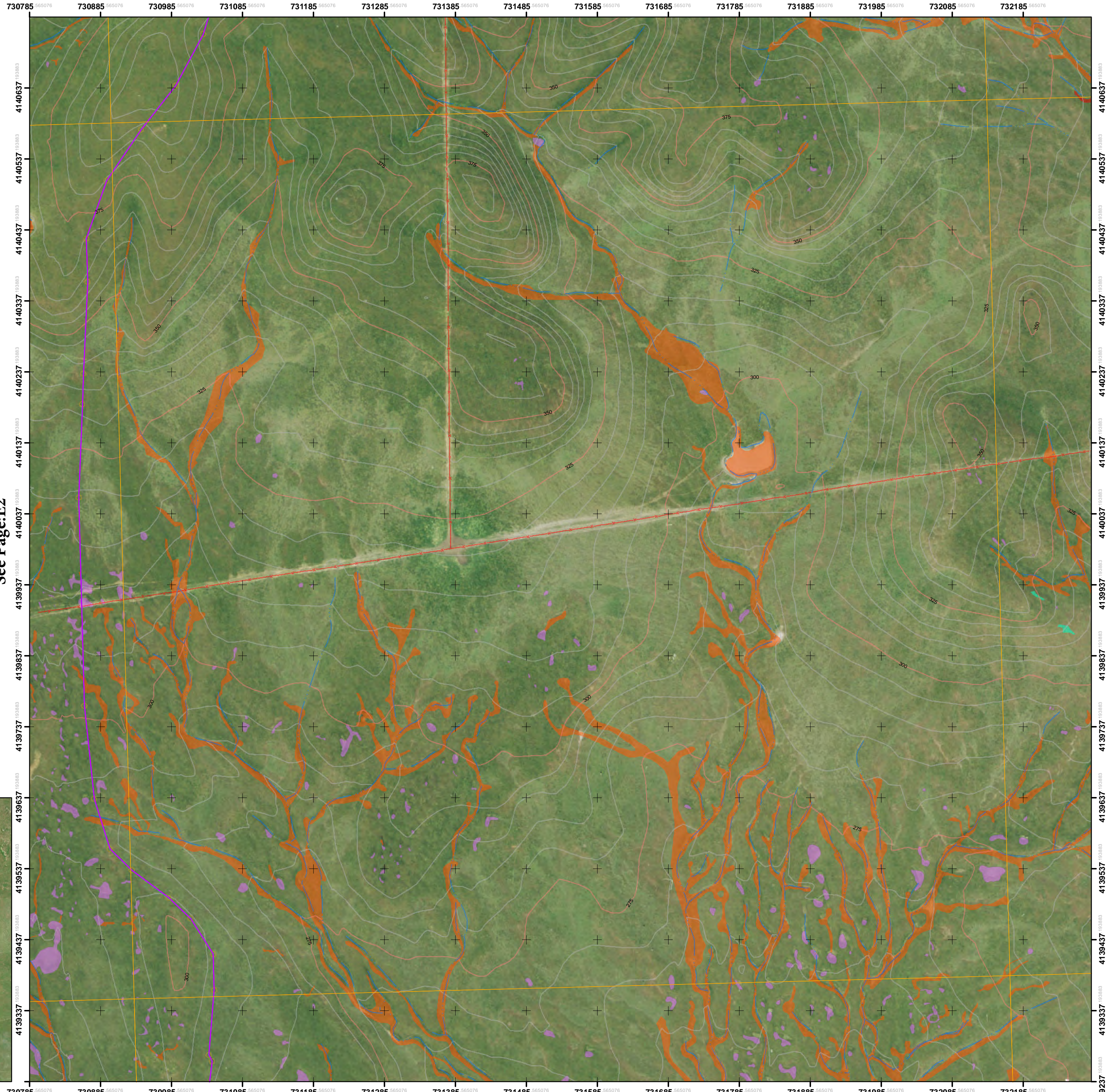
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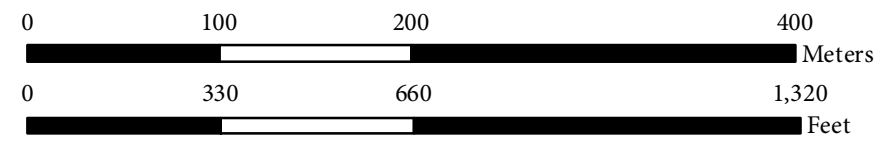
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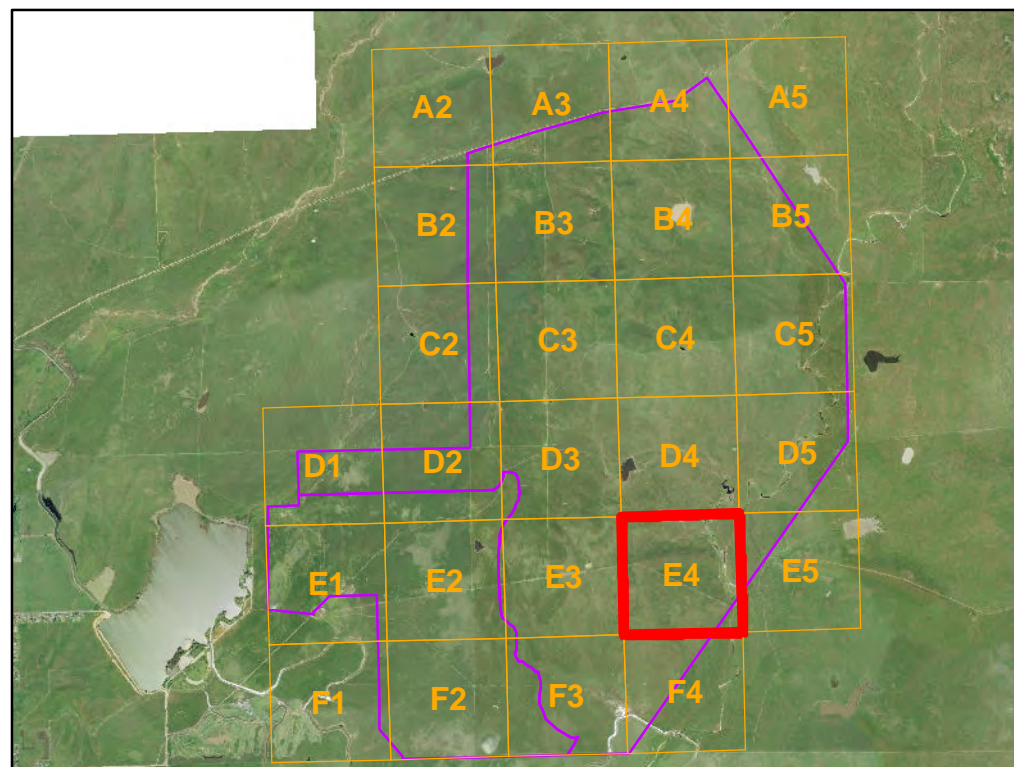
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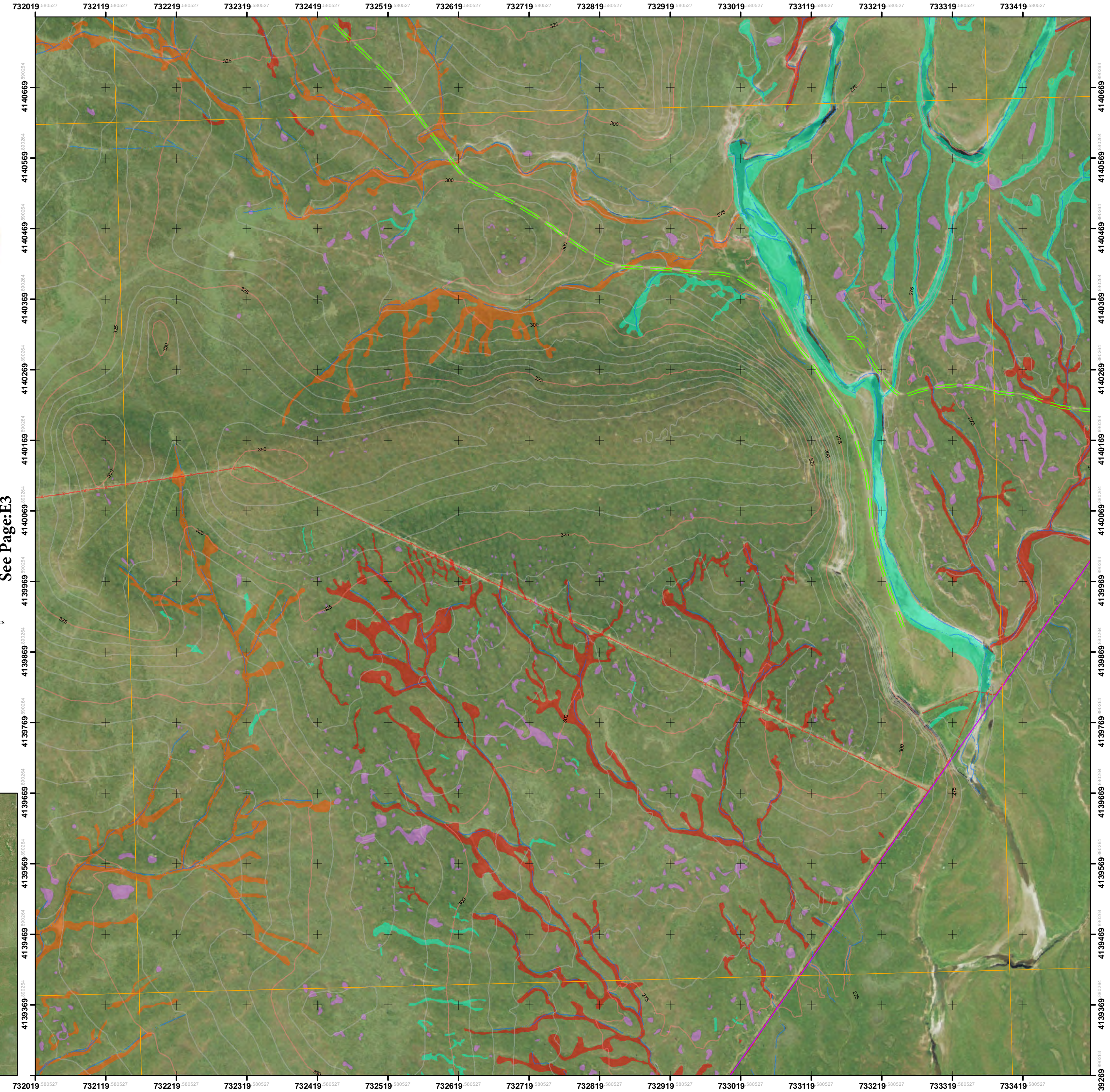
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WATER/WETLAND FEATURE MAP BOOK

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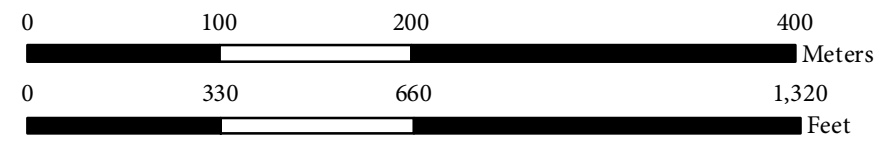
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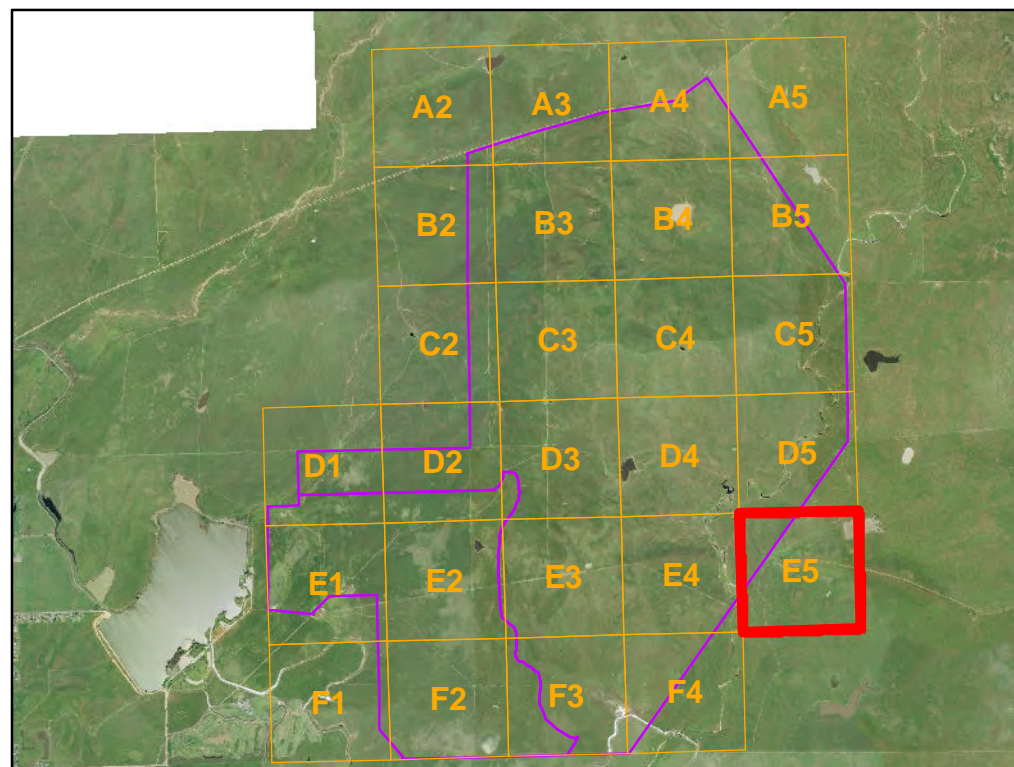
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Imagery taken in March 1999  
using photogrammetric mapping at a  
scale of 1" = 200' with 5' contour intervals

Water/Wetland Delineation prepared by EIP Associates  
1200 2nd Street # 200  
Sacramento, CA 95814

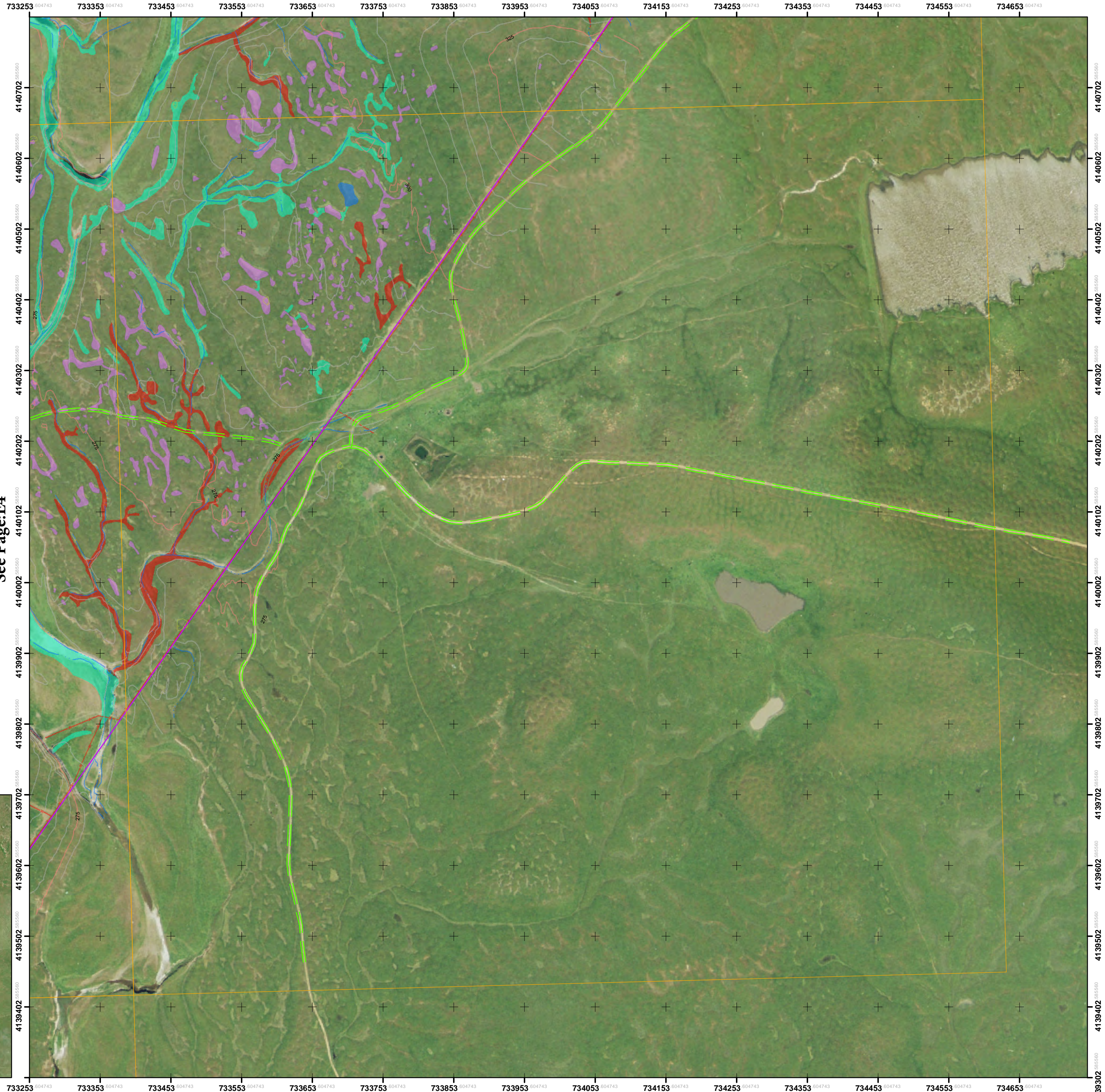
Page Scale: 1 inch = 100 meters (328 Feet)



Index Scale: 1 inch = 2,000 meters (6,561 Feet)



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University of California, Merced  
 Merced Vernal Pools and Grassland Reserve  
 WATER/WETLAND FEATURE MAP BOOK

4/8/2014

**Legend**

- + Reference Grid Interval (Units: Meters)  
 X Axis Interval: 100 m  
 Y Axis Interval: 100 m
- Natural Preserve Boundary Line
- 500— Index Contour Interval: 25 Feet
- Interm Contour Interval: 5 Feet
- Dirt Road
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- Utilities
- Building
- Structure
- Wind Mill
- Water/Wetland Features
- Canal
- Clay Playa
- Clay Slope
- Linear
- Marsh
- Pool/Swale Complex
- Seasonal
- Stockpond
- Swale Wetland
- Vernal Pool



**Reference Coordinate System:**

NAD\_1983\_2011\_UTM\_Zone\_10N  
 WKID: 102057 Authority: ESRI

Projection: Transverse\_Mercator  
 False\_Easting: 500000.0  
 False\_Northing: 0.0  
 Central\_Meridian: -123.0  
 Scale\_Factor: 0.9996  
 Latitude\_Of\_Origin: 0.0  
 Linear Unit: Meter (1.0)

Geographic Coordinate System: GCS\_NAD\_1983\_2011  
 Angular Unit: Degree (0.0174532925199433)  
 Prime Meridian: Greenwich (0.0)  
 Datum: D\_NAD\_1983\_2011  
 Spheroid: GRS\_1980  
 Semimajor Axis: 6378137.0  
 Semiminor Axis: 6356752.314140356  
 Inverse Flattening: 298.257222101

**Data Source:**

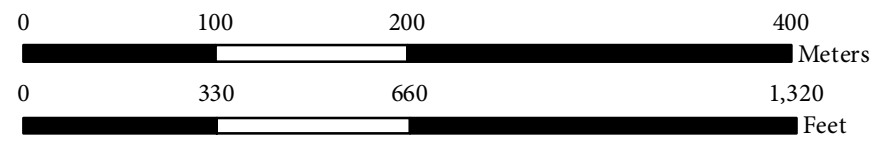
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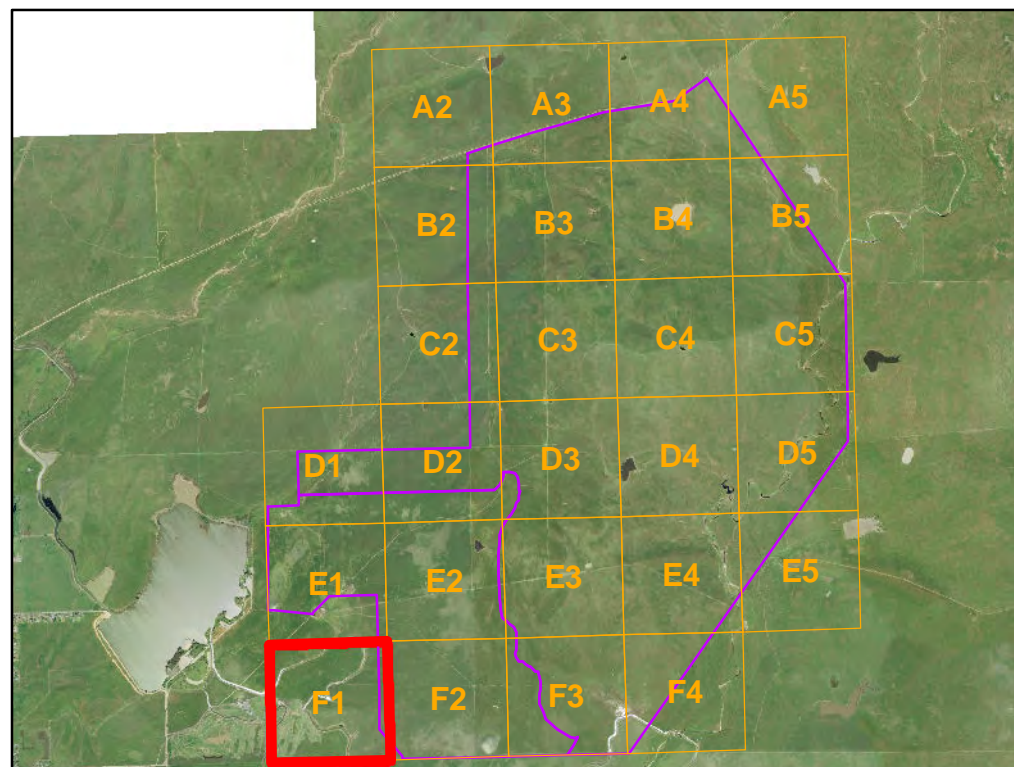
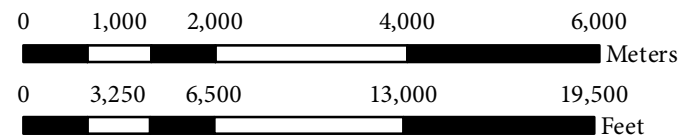
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University of California, Merced  
Merced Vernal Pools and Grassland Reserve  
WATER/WETLAND FEATURE MAP BOOK

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- | Water/Wetland Features |                    |
|------------------------|--------------------|
| Canal                  | Pool/Swale Complex |
| Clay Playa             | Seasonal           |
| Clay Slope             | Stockpond          |
| Linear                 | Swale Wetland      |
| Marsh                  | Vernal Pool        |



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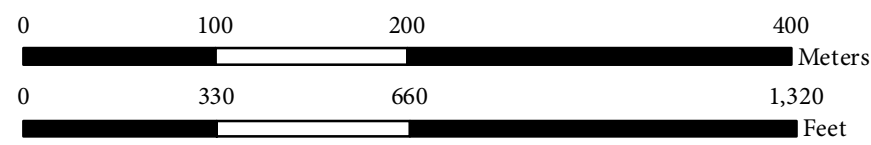
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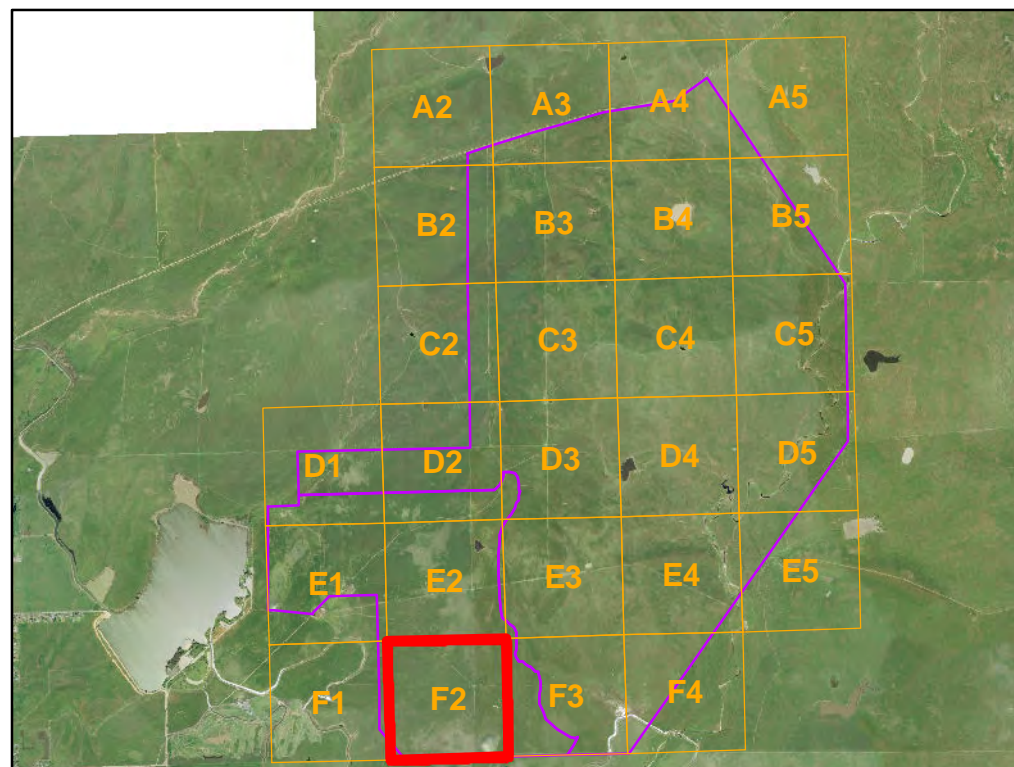
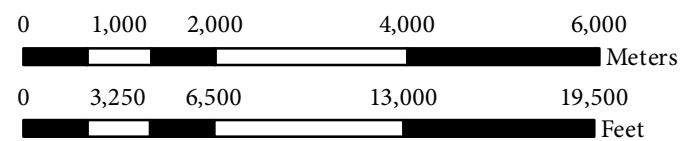
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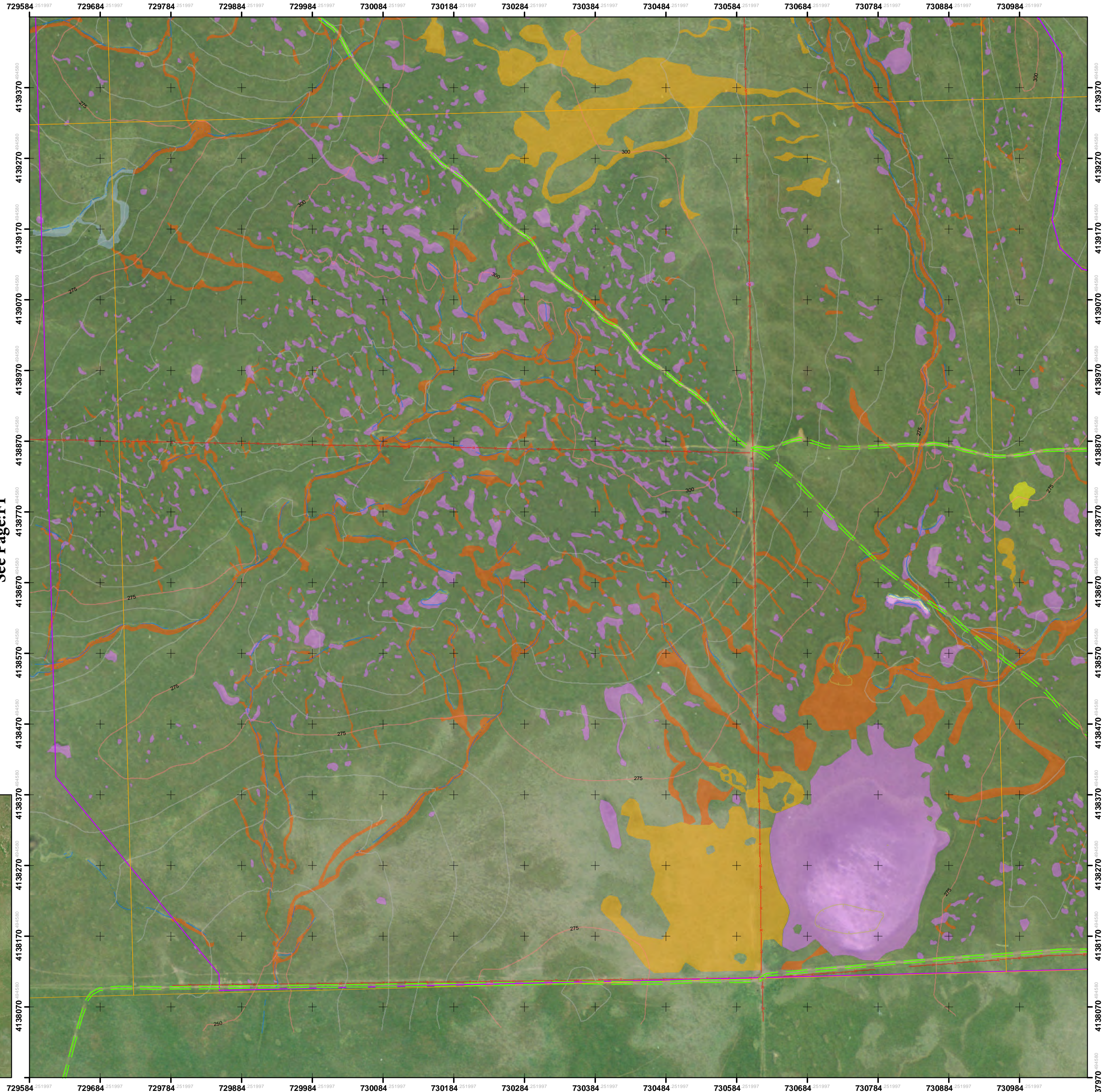
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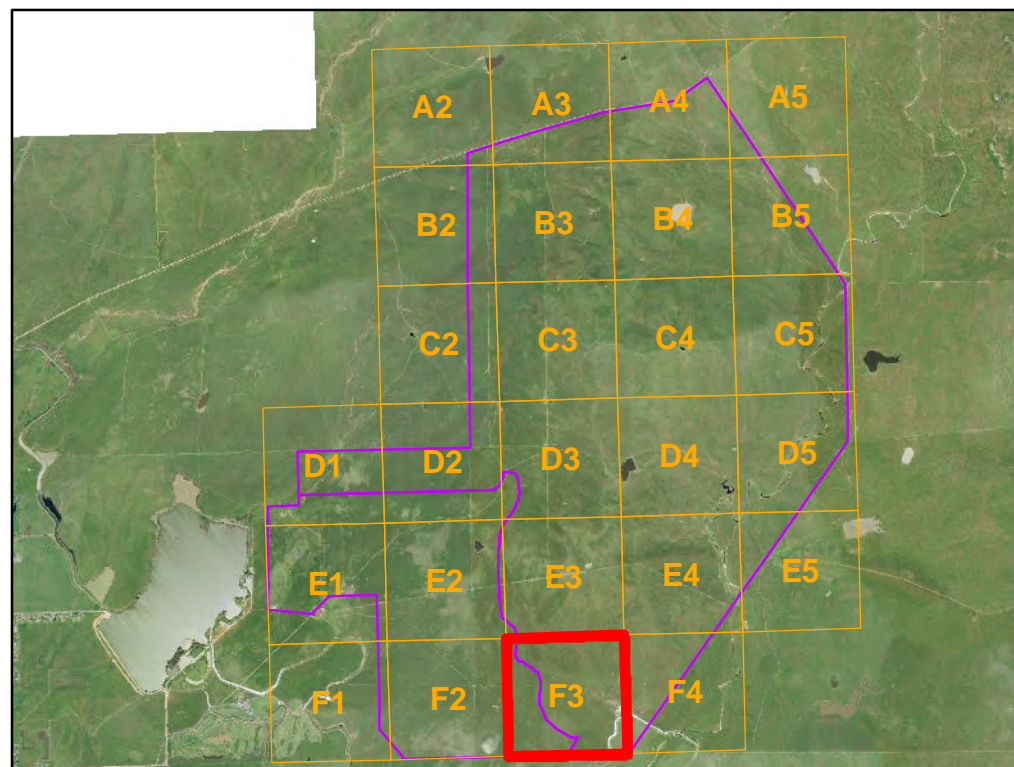
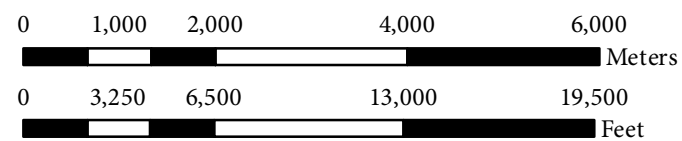
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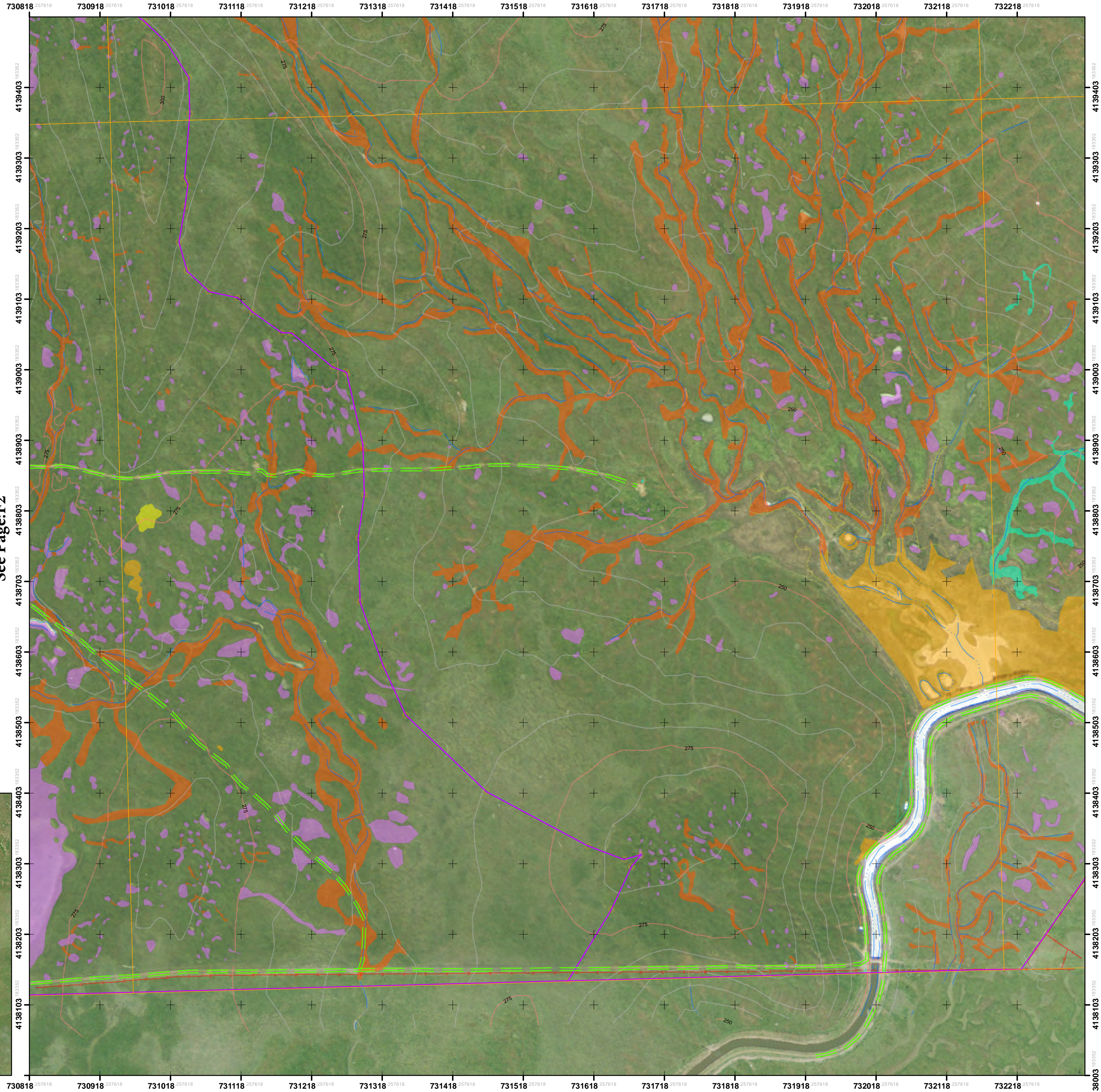
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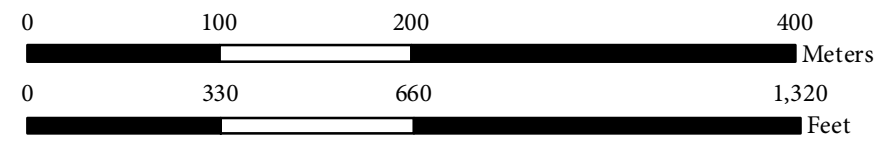
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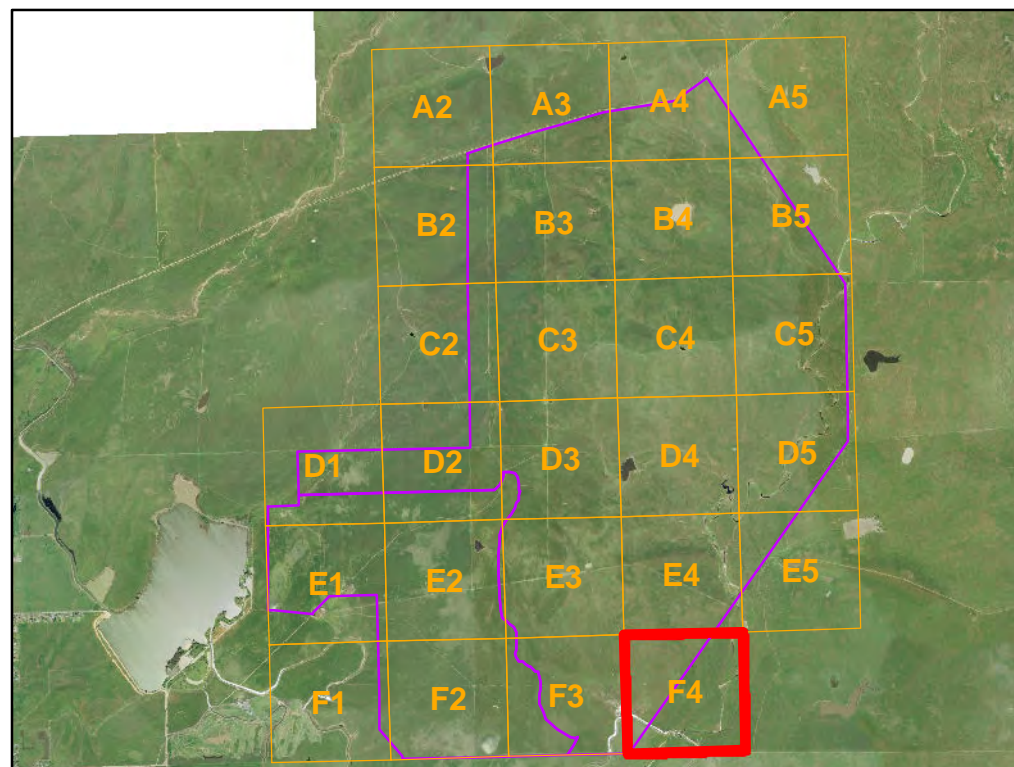
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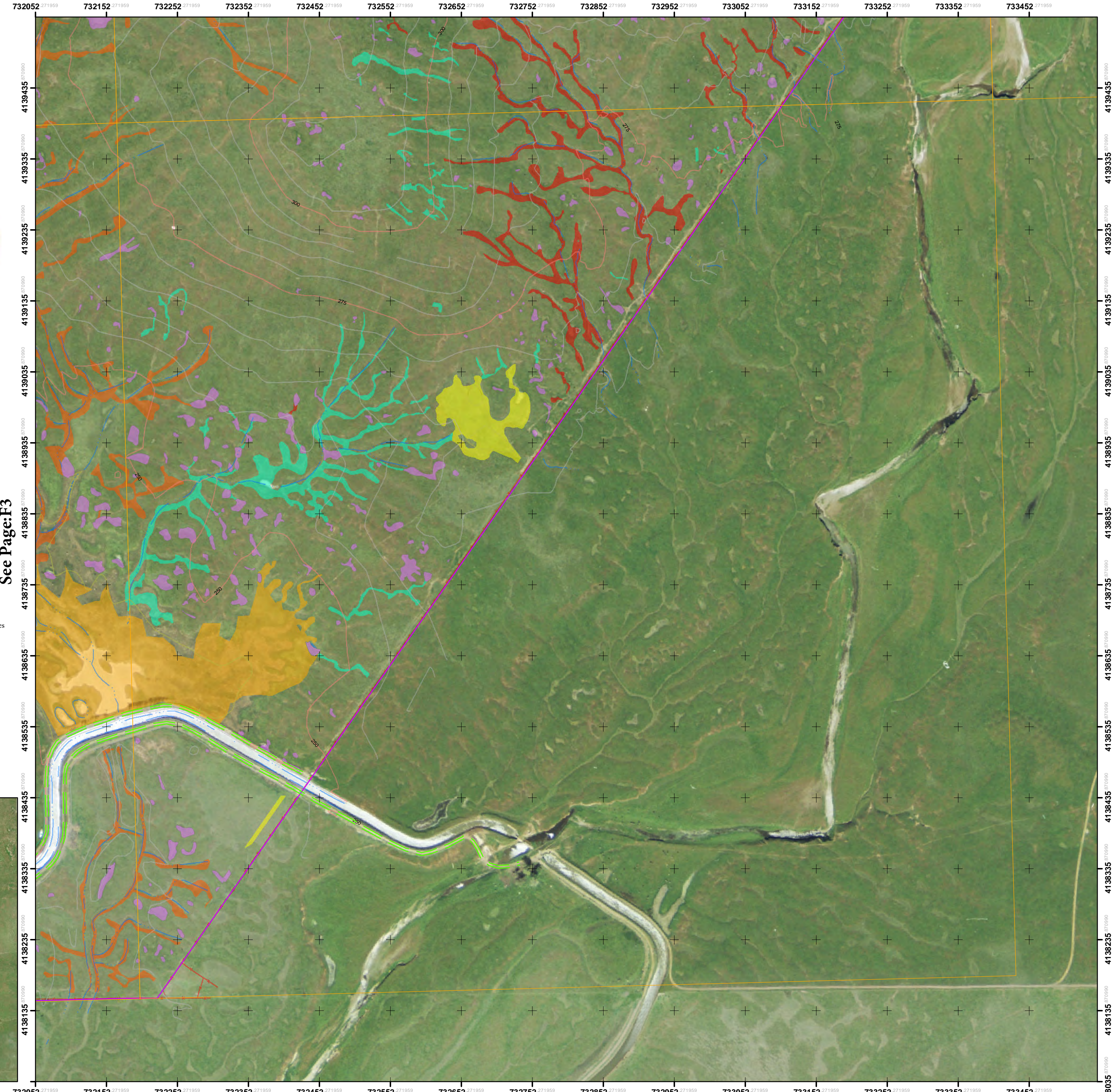
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