



# Booker Grey Environmental, LLC

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Consulting Biologist

## **Natural Resources Analysis and Aquatic Resource Inventory**

### **Skyline View Ranch**

#### **Prepared for**

**Skyline Holdings Group, LLC  
564 W 700 S #405  
Pleasant Grove, UT 83062**

#### **Prepared by**

**Booker Grey Environmental, LLC  
PO Box 271  
Tetonia, Idaho 83452**

**20 June 2023**

## Natural Resources Analysis

### Introduction

This report is a discussion of the natural resource conditions that currently exist on the proposed Skyline View Ranch subdivision parcel. This narrative has been arranged in accordance with Teton County Idaho Subdivision Regulations outlined in Division 9-3-2 (C-2-c-WH), Wildlife Habitat Overlay Regulations, Teton County. This information summarizes the natural resources present, potential impacts and a mitigation plan to offset and minimize any potential impacts to areas within the Overlay. A portion of Mahogany Creek traverses the parcel therefore, an Aquatic Resource Inventory has been included in this narrative.

### Location

The 144.4 +/- acre proposed Skyline View Ranch subdivision is located at the intersection of S 5000 W and W 2250 S, Section 12, Township 4N, Range 44E, Teton County, Idaho (Appendix - Site Location Map).

The parcel is situated among large agricultural operations, and rural single-family homes. The project site is bounded by County Road S 5000 W to the east, County Road W 2250 S to the south, with cultivated cropland north and west.

### Existing Conditions Inventory

#### Vegetation - Cultivated Cropland

The parcel is primarily cultivated cropland planted and harvested in barley (Appendix-Aerial Photograph 2021). Farming operations within the parcel are currently ongoing.

#### Vegetation – Riparian Willow

Approximately 4.4 +/- acres of this vegetative community is located within the boundaries of Mahogany Creek. Merigliano describes this area as, Riparian Willow

The following lists primary species identified within the *Priority Wetland \_ NWI* portion of the parcel.

| Common Name    | Scientific Name            | ACOE/NPL Status |
|----------------|----------------------------|-----------------|
| Geyer's willow | <i>Salix seyeriana</i>     | FACW            |
| Canada thistle | <i>Cirsium arvense</i>     | FAC             |
| Nebraska sedge | <i>Carex nebrascensis</i>  | OBL             |
| Baltic rush    | <i>Junus baltis</i>        | FACW            |
| Fowl bluegrass | <i>Pas palustria</i>       | FAC             |
| Quaking aspen  | <i>Populus tremuloides</i> | FACU            |

## **Topography**

The parcel is composed of rolling terrain with an elevation of 6090' near the northeast corner and 6130' at the southwest corner of the property (Preliminary Plat Exhibit).

## **Floodplains, Wetlands, Waterways and Riparian Areas**

A channelized portion of Mahogany Creek flows north and off site of the parcel. There are no floodplains, within the parcel boundaries.

## **Soils**

The Natural Resources Conservation Service USDA - Soil Map of the site includes the following soils in order of dominance (Appendix\_Soil Map).

13425 Badgerton - Alpine complex, 0 to 2 percent slopes

13435 Richvale Silt Loam, 0 to 4 percent slopes

## **Geology and Seismic Hazards**

The Teton County Earthquake Overlay Map depicts the parcel within a low liquid susceptibility rating area.

## **Wildfire Danger**

The parcel is not depicted on the Teton County GIS Wildfire Hazard Zone Map. Current and historical agricultural operations, tilling of soil after harvest, reduces wildfire danger within the parcel significantly. A fire pond will be constructed to Teton County standards.

## **Ridges and Rock Outcroppings**

There are no ridges and/or outcroppings located within the parcel.

## **Areas within 1 Mile of State Highway or Ski Hill Road**

The proposed Skyline View Ranch subdivision is not within one mile of any State Highway or Ski Hill Road.

## **Bear Conflict Zone**

The parcel is not within the Teton County designated Bear Conflict Zone.

## **Wildlife Habitat Assessment**

The Teton County Natural Resources Overlay Map (2006-2022) depicts approximately 9.3 acres of the *Waterbird Breeding, Migration, Foraging and Wintering Habitat*, and approximately 4.4 acres as *Priority Wetland - NWI* within the parcel (Appendix-Natural Resource Overlay Exhibit).

## **Methodology**

A pre-survey literature search of potential wildlife indicator species was completed prior to pedestrian surveys within the parcel which occurred from approximately 630 am to 830 am and 430 pm to dusk. Surveys were done consecutively from May 31 to June 3, 2023. Site photographs are in the Appendix of this document.

Indicator Species associated with each overlay and potentially present on the parcel include,

### **Sandhill Crane**

Sandhill Cranes utilize the western side of Teton Valley as a pre-migration staging area foraging on post-harvest grain spillage. Usually, foraging is near wetland bodies and roosting sites (TRLT).

## **Survey Results**

No nests, roosts and or was presence of indicator species. Only passerine bird species were observed during the surveys. The parcel could and most likely is used by Sandhill Cranes for feeding on spilt grain after fall harvest.

## **Aquatic Resource Inventory**

The parcel contains *Priority Wetland Habitat-NWI*. The following information is based upon US Army Corps of Engineers (ACOE) wetland jurisdictional process utilized to determine presence and/or absence of "Waters of the United States" (WOTUS). WOTUS were identified by using the 1987 Wetland Delineation Manual and 2010 Western Mountains, Valleys and Coasts Regional Supplement. Additional resources utilized include Teton County GIS, NRCS Soil Surveys and Google Earth historical aerial photography. ACOE Data Sheets are in the Appendix.

## **Existing Landscape**

As stated previously the entire parcel minus Mahogany Creek is cultivated cropland planted in Barley. The wetlands associated with the parcel are the seasonal flowing Mahogany Creek which has been channelized through the parcel. The National Wetland Inventory Map classification for this area is riverine (Appendix\_NWI Map).

## **Wetlands**

The NWI map depicts more wetlands than are present within the parcel as determined during the field jurisdictional determination. The creeks depicted on Teton County GIS and NWI Maps are incorrect.

As discussed, the creek has been channelized through the parcel and the wetlands are at the top of the bank of the creek. These revised wetland boundaries are shown on the WOTUS Exhibit (Appendix\_WOTUS Exhibit).

## **Wetland Hydrology**

The hydroperiod associated with the Mahogany Creek wetland/riparian area is seasonal and snowpack dependent and varies widely from year to year. There is an existing irrigation pivot (1000') that travels through Mahogany Creek during the growing season.

## **Mitigation/Land Management**

The proposed subdivision, although located within the Wildlife Habitat Overlay, is cultivated cropland which limits available habitat for indicator wildlife species.

The only potential suitable habitat for Sandhill Cranes is cultivated cropland which composes most of the Site. Cultivated cropland provides foraging opportunities for the species in the fall.

As part of the proposed development plan, current farming practices will cease. The center irrigation pivot will be dismantled, and the existing irrigation will be used for a required fire protection pond.

To compensate the loss of foraging habitat for Sandhill Cranes it is suggested that the owner replant the parcel with drought tolerant grasses and forbs species commonly used for The USDA Crop Reserve Program (CRP). These plantings will provide habitat protection two-fold, forage and cover for water bird species and weed control. Typical species for these plantings could include, Wheatgrass, Meadow Brome, Sainfoin, Fleabane, Orchardgrass and Big Bluegrass.

Additionally, the proposed Skyline View Ranch Subdivision Homeowner's Association will administrator, implement and maintain the management and mitigation measures listed. The following practices are suggested and should be implemented into the Covenants and Restrictions of the subdivision.

Lighting – All lighting within the subdivision shall meet the Teton County, Title 08 – Zoning Regulations, Section 8-4-6 and will be designed to be downcast. Motion detection lighting shall be mandated and a “dark sky attitude” shall be adopted by the homeowners.

Pet Control – Owners of domestic pets (primarily dogs and cats) will be responsible to train, restrain and prevent their pets from interacting with wildlife within the subdivision. Excessive abuse can be reported to the Teton County Sheriff Department and IDFG.

Wildlife Friendly Fencing – All fences within the subdivision will be designed as outlined in Teton County Idaho Zoning Ordinance, Title 9 Division 9-3-2 (C-2-c-WH-vi-b) (Teton County, 2013b). Suggested parameters include fencing height of 38” to 40” with a 4” top rail.

## REFERENCES

IDFG. 2017. Idaho State Wildlife Action Plan, 2015. Idaho Department of Fish and Game.

IDFG. 2019. Statewide Report Fall 2019 Season Elk. Idaho Department of Fish and Game Boise, ID. IDFG. 2021a. Raster Layers for Elk Winter Range, Elk Summer Range, and Elk Migration Corridors, and Mule Deer Winter Range and Mule Deer Summer Range.

Merigliano, M. 2009. A Field Manual for Classified Vegetation in the Upper Snake River Valley. TetonRegional Land Trust. Teton County, ID.

TRLT. 2006. Wildlife Overlay and Wildlife Conservation Measures for Teton County, Idaho Technical Support Document. Teton Regional Land Trust. Teton County, ID.

Teton County GIS, Natural Resources Overlay, USGS National Seismic Hazard Map Idaho 2014, 2016, Teton County Earthquake Map, Bear Conflict Area, Wildlife Hazard Zone Map, USGS Topography, Slopes (%).

Teton County. 2013a. Teton County Idaho Zoning Ordinance Title 8. Rev. May 16, 2013.

Teton County. 2013b. Teton County Idaho Zoning Ordinance Title 9. Rev. September 9, 2013. T

## **APPENDIX**

Site Location Map

Aerial Photograph 2021

NRCS Soil Map

Natural Resources Overlay Map

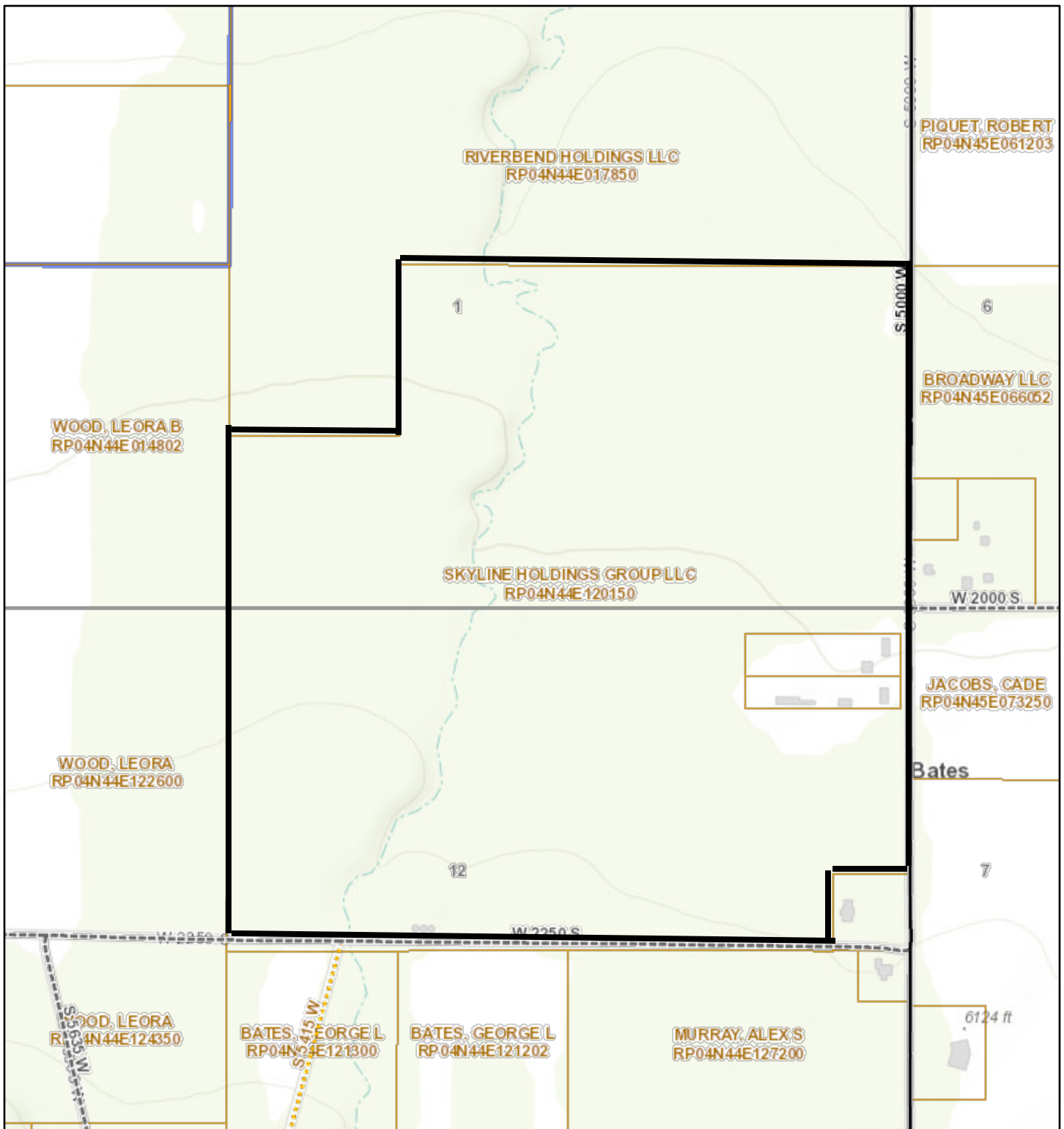
Site Photographs

USFWS NWI MAP

WOTUS Exhibit

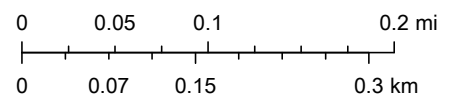
ACOE Data Sheets

# SKYLINE VIEW RANCH\_Site Location Map



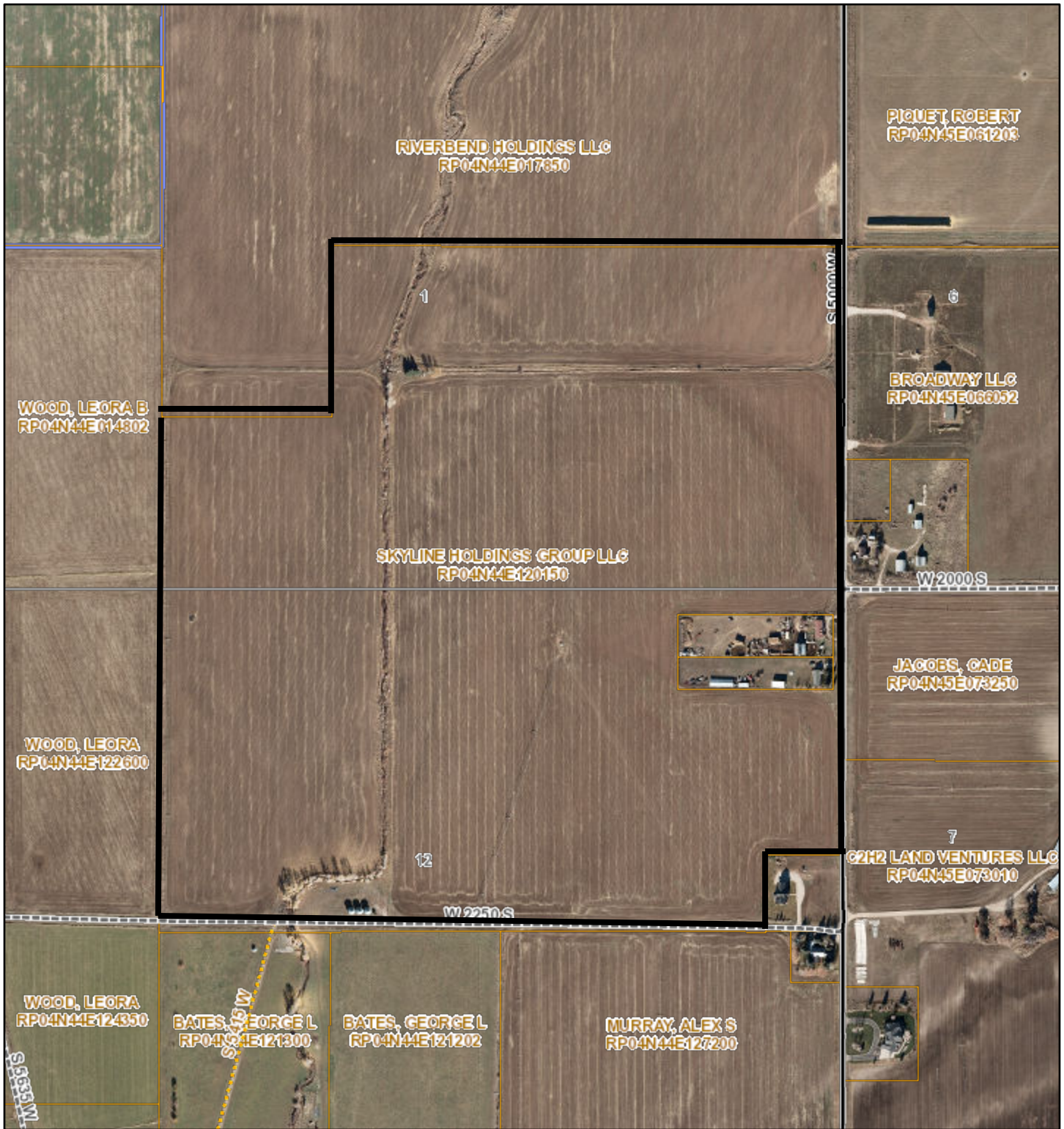
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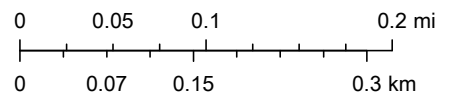
Teton County Idaho GIS, Teton County, ID GIS, County of Teton, Bureau of Land Management, Esri Canada, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, GIS, Teton County GIS

# Skyline View Ranch \_ 2021 Aerial Photograph



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Teton County Idaho GIS, Teton County, ID GIS, GIS, Aero-graphics Geospatial Services., Teton County GIS Dept, Teton County GIS



United States  
Department of  
Agriculture

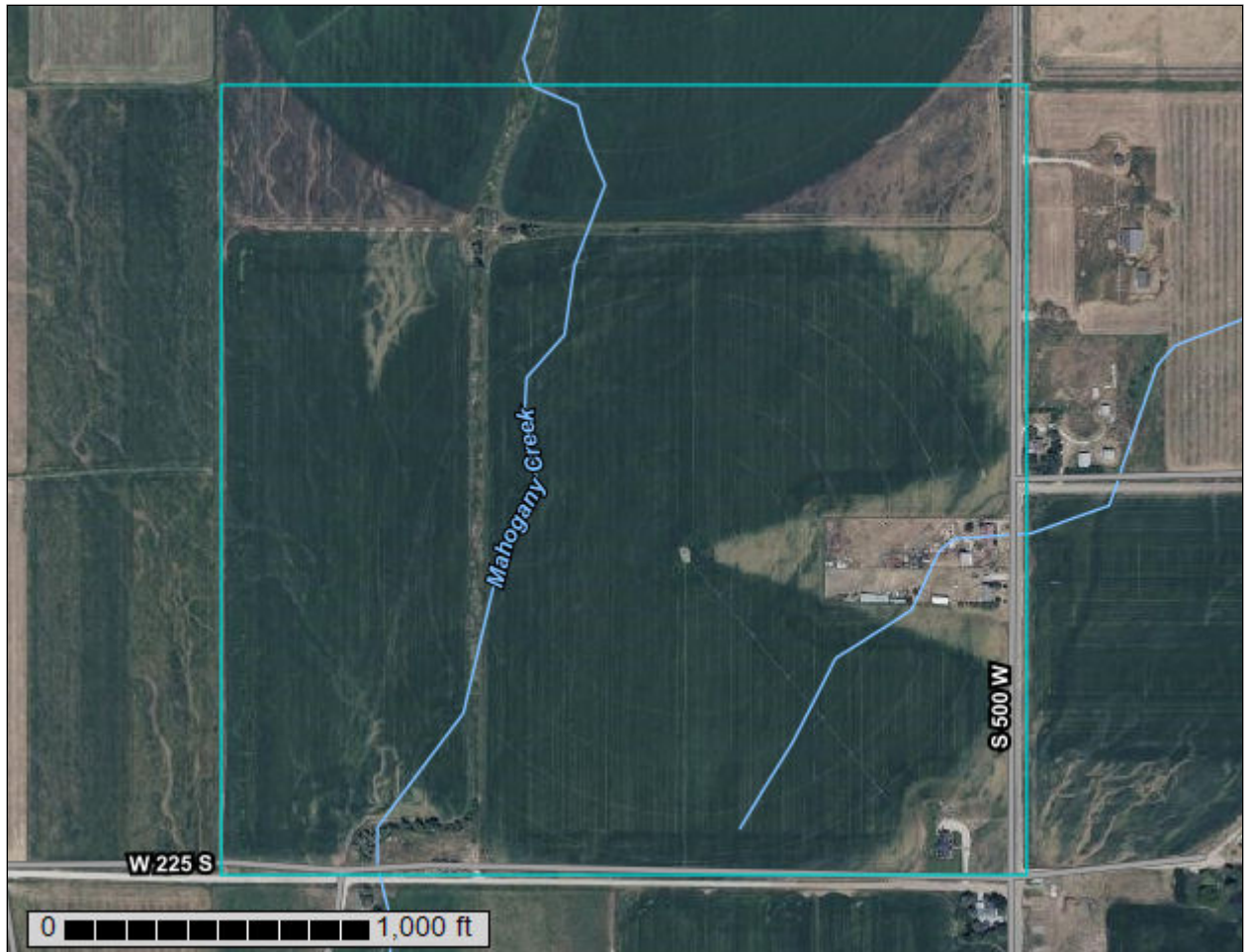
**NRCS**

Natural  
Resources  
Conservation  
Service

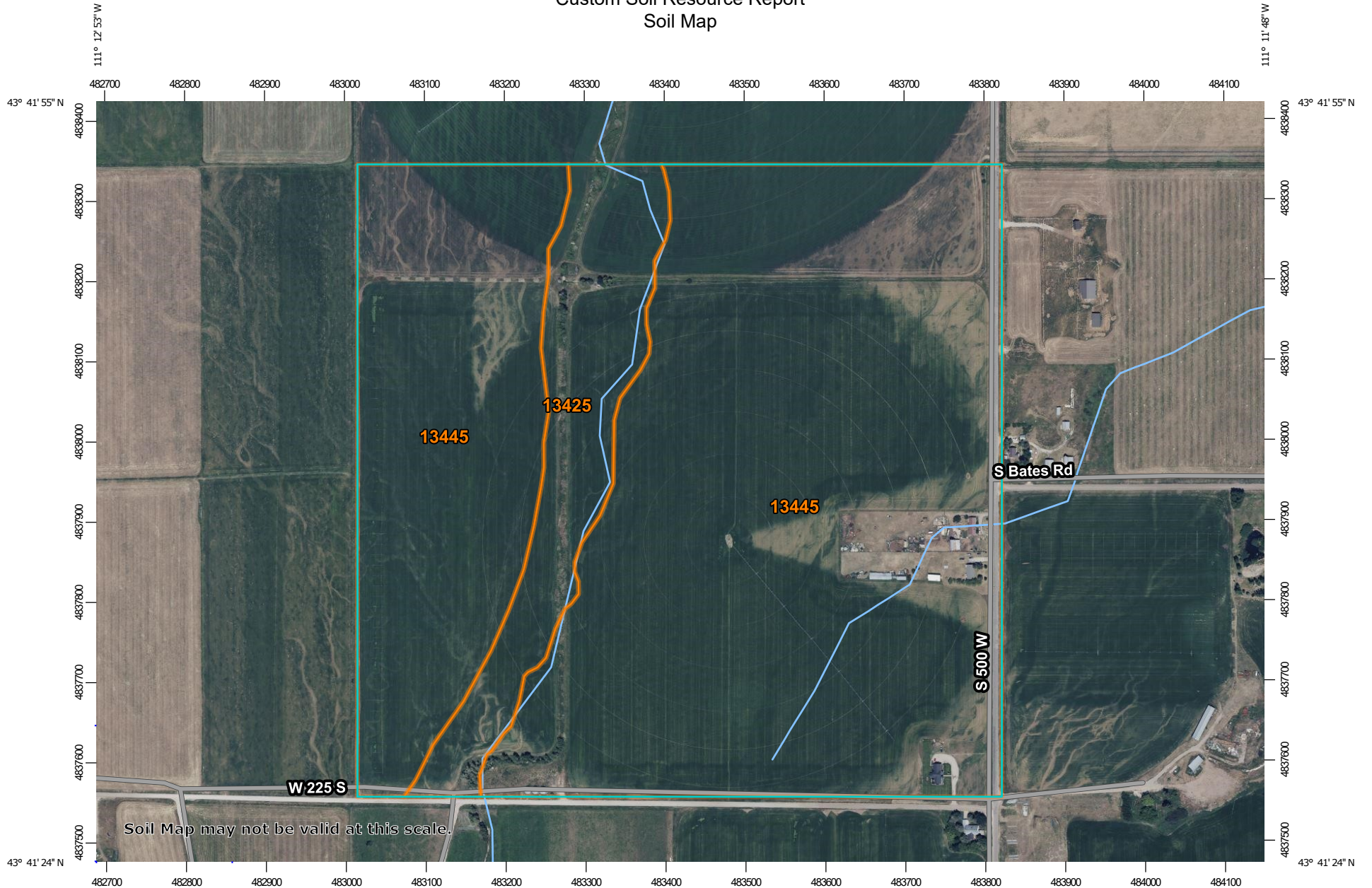
A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for Teton Area, Idaho and Wyoming

## Skyline View Ranch



# Custom Soil Resource Report Soil Map



Map Scale: 1:6,680 if printed on A landscape (11" x 8.5") sheet.

Meters

0 50 100 200 300

Feet

0 300 600 1200 1800

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 12N WGS84



## Map Unit Legend

| Map Unit Symbol                    | Map Unit Name                                   | Acres in AOI | Percent of AOI |
|------------------------------------|---|--------------|----------------|
| 13425                              | Badgerton-Alpine complex, 2 to 8 percent slopes | 18.7         | 11.9%          |
| 13445                              | Richvale silt loam, 0 to 4 percent slopes       | 139.1        | 88.1%          |
| <b>Totals for Area of Interest</b> |   | <b>157.8</b> | <b>100.0%</b>  |

## Teton Area, Idaho and Wyoming

### 13425—Badgerton-Alpine complex, 2 to 8 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1vgtt  
*Elevation:* 6,040 to 6,680 feet  
*Mean annual precipitation:* 16 to 26 inches  
*Mean annual air temperature:* 36 to 44 degrees F  
*Frost-free period:* 20 to 90 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Badgerton, rarely flooded, and similar soils:* 55 percent  
*Alpine and similar soils:* 35 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Badgerton, Rarely Flooded

##### Setting

*Landform:* Flood plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave, linear  
*Parent material:* Mixed alluvium

##### Typical profile

*A - 0 to 9 inches:* loam  
*AB - 9 to 17 inches:* very gravelly loam  
*BC - 17 to 31 inches:* extremely gravelly loamy sand  
*C1 - 31 to 43 inches:* extremely gravelly loamy coarse sand  
*C2 - 43 to 60 inches:* very gravelly sandy loam

##### Properties and qualities

*Slope:* 2 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* NoneRare  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 4 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Low (about 3.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6c  
*Land capability classification (nonirrigated):* 6c  
*Hydrologic Soil Group:* B  
*Ecological site:* R013XY050ID - Riparian Wet Meadow SALIX/CAREX  
*Hydric soil rating:* No

## 13445—Richvale silt loam, 0 to 4 percent slopes

### Map Unit Setting

*National map unit symbol:* 20j5z  
*Elevation:* 6,000 to 6,250 feet  
*Mean annual precipitation:* 16 to 18 inches  
*Mean annual air temperature:* 38 to 44 degrees F  
*Frost-free period:* 50 to 90 days  
*Farmland classification:* Prime farmland if irrigated

### Map Unit Composition

*Richvale and similar soils:* 90 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Richvale

#### Setting

*Landform:* Stream terraces, fan remnants  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex, linear  
*Parent material:* Mixed alluvium derived primarily from sandstone and limestone with loess influence

#### Typical profile

*Ap - 0 to 7 inches:* silt loam  
*A - 7 to 14 inches:* silt loam  
*Bt1 - 14 to 24 inches:* silt loam  
*Bt2 - 24 to 28 inches:* silt loam  
*Bk1 - 28 to 38 inches:* silt loam  
*Bk2 - 38 to 60 inches:* gravelly loam

#### Properties and qualities

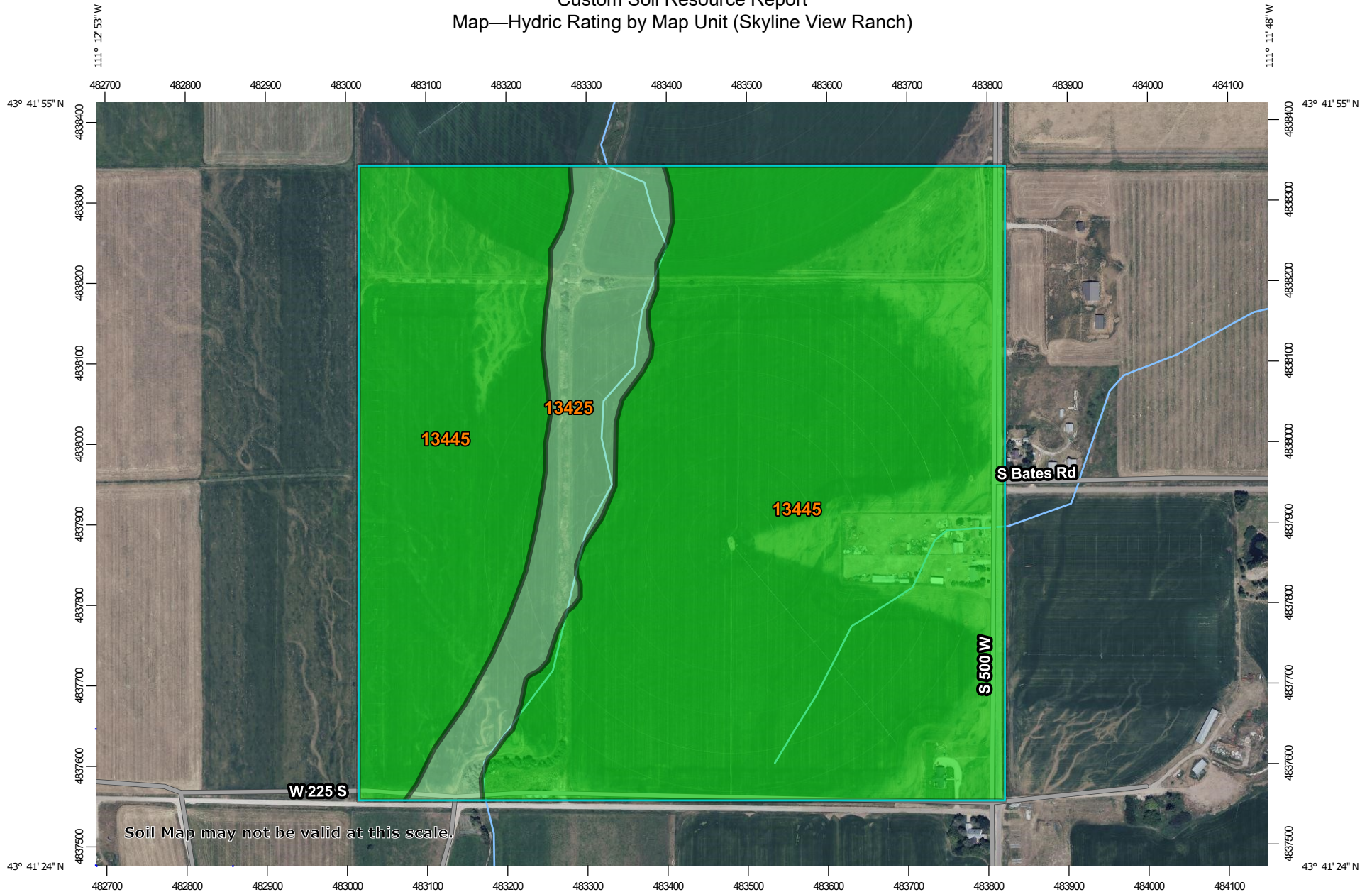
*Slope:* 0 to 4 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.20 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 35 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* High (about 9.7 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 4c  
*Land capability classification (nonirrigated):* 4c

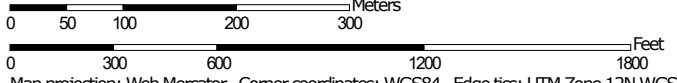
# Custom Soil Resource Report

## Map—Hydric Rating by Map Unit (Skyline View Ranch)



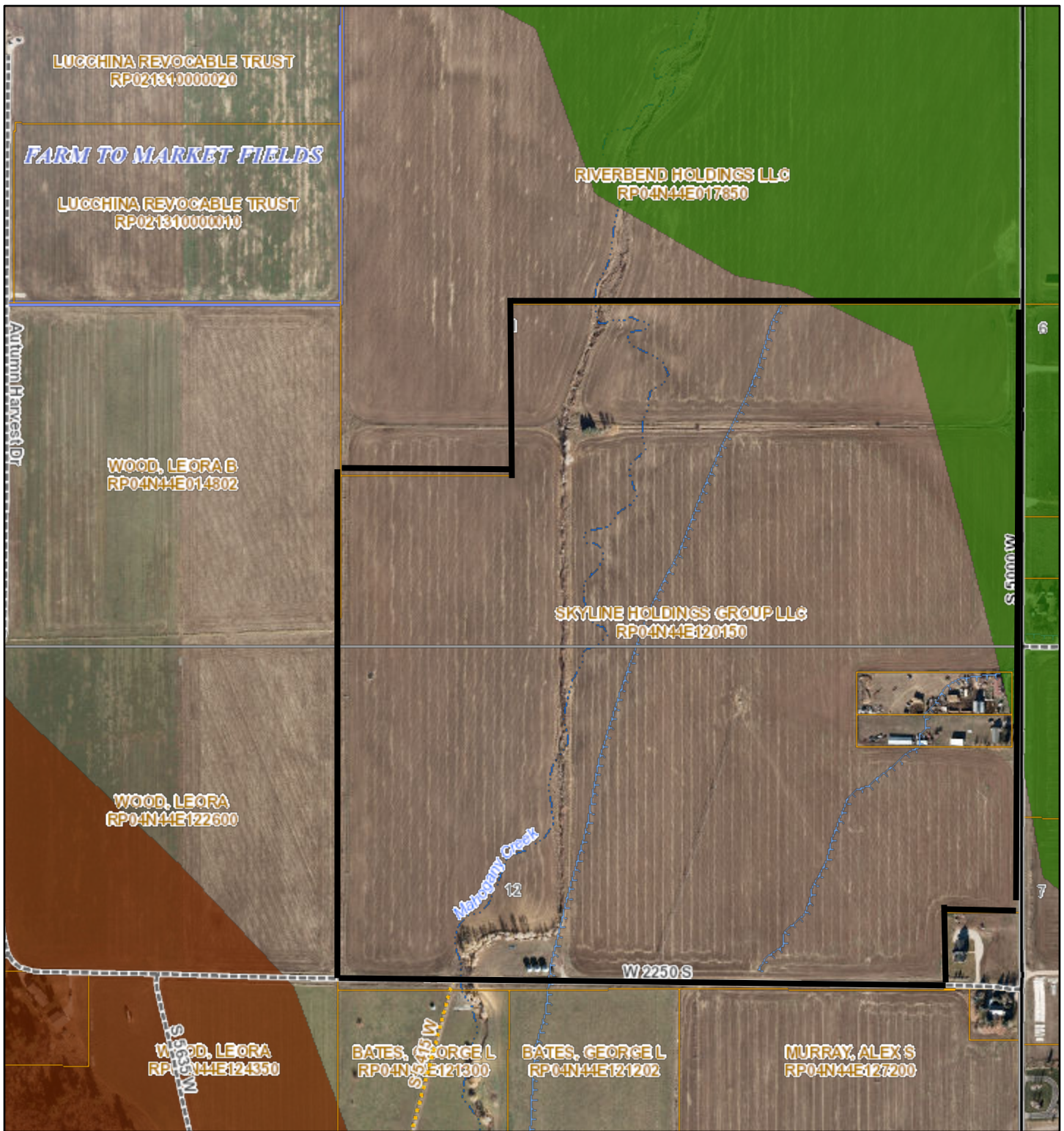
Soil Map may not be valid at this scale.

Map Scale: 1:6,680 if printed on A landscape (11" x 8.5") sheet.



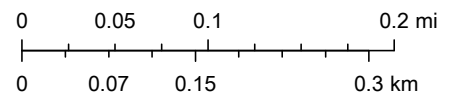
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 12N WGS84

# SkyLine View Ranch Natural Resource Overlay



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Teton Regional Land Trust, IDFG, Teton County Idaho GIS, Teton County, ID GIS, GIS, Aero-graphics Geospatial Services., Teton County GIS Dept, Teton County GIS



Site Photograph\_ Cultivated Cropland—Barley



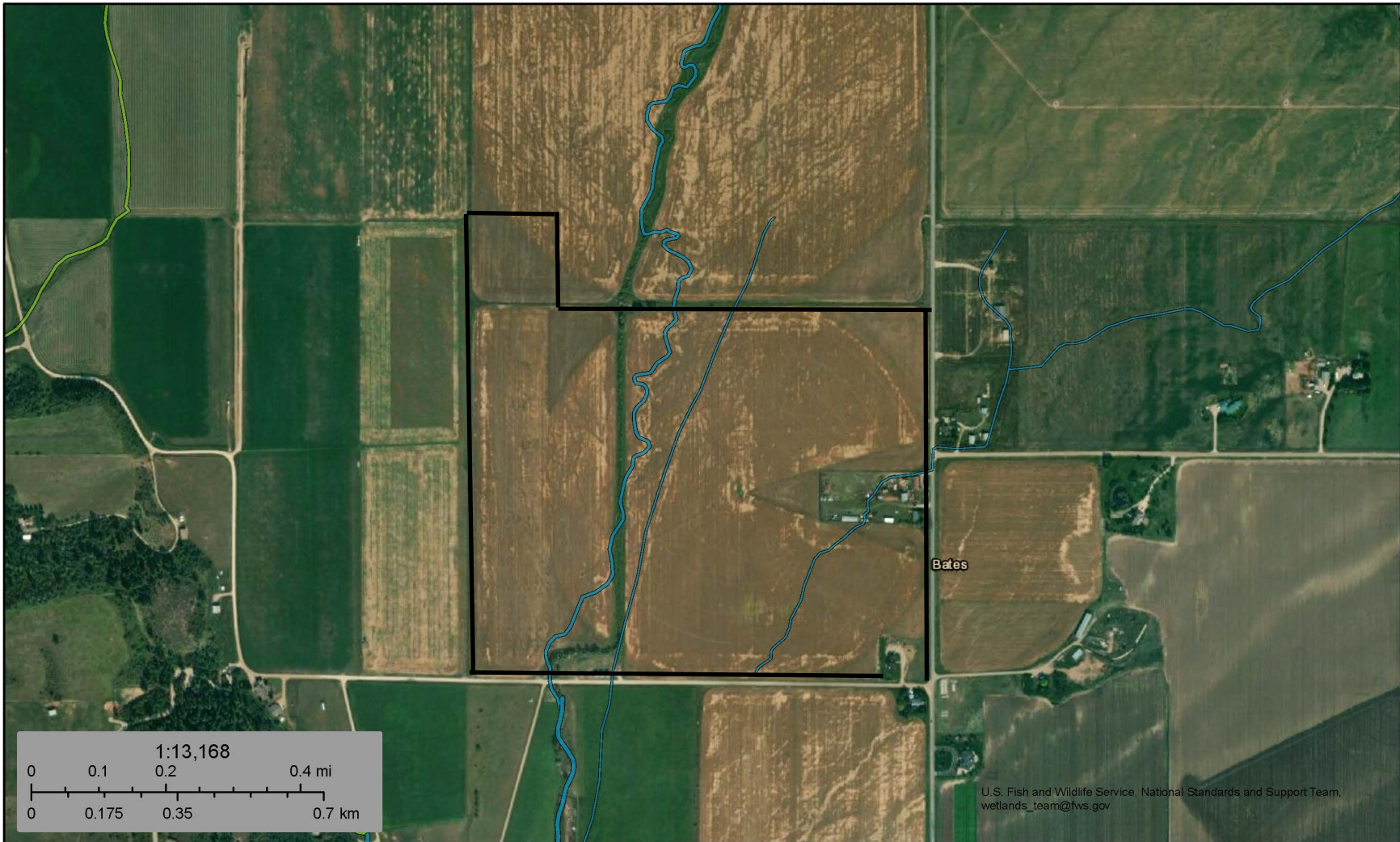
Site Photograph\_ View of Mahogany Creek near Center of Parcel











Site Photograph\_ View of Mahogany Creek



Site Photograph\_ View of Mahogany Creek looking South at Irrigation Pivot Crossing

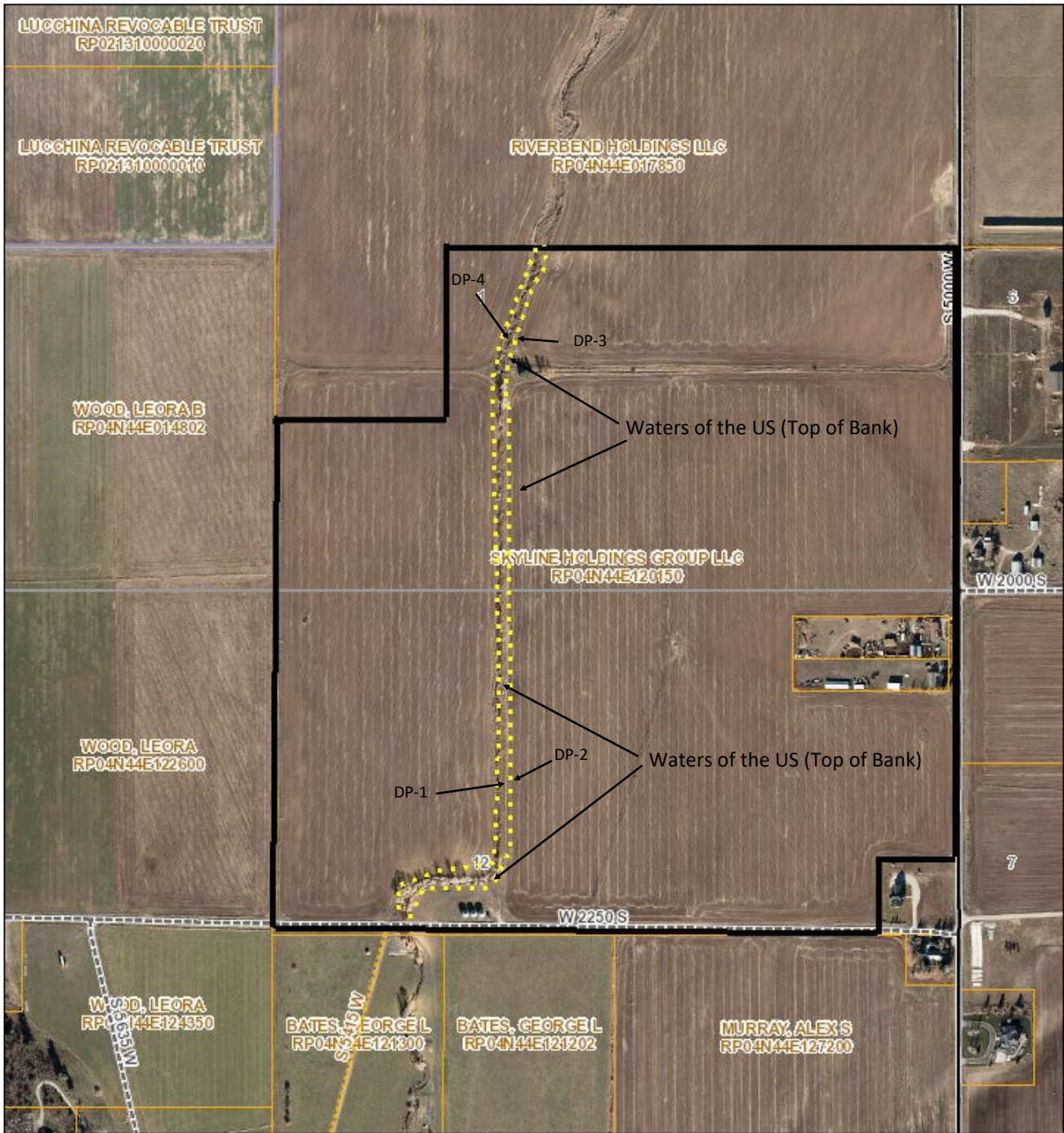


U.S. Fish and Wildlife Service, National Standards and Support Team,  
wetlands\_team@fws.gov

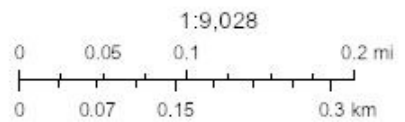
- |   |                                |   |                                   |   |          |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|   |                                |  | Freshwater Pond                   |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# Skyline View Ranch\_Waters of the US (WOTUS)



DP = ACOE Data Sheet Point



Teton County Idaho GIS, Teton County, ID GIS, GIS, Aero-graphics Geospatial Services., Teton County GIS Dept, Teton County GIS

# WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Skyline View Ranch City/County: Bates/Teton Sampling Date: 06/01/23  
 Applicant/Owner: Skyline Holdings Group State: ID Sampling Point: DP1  
 Investigator(s): cb Section, Township, Range: Sec 12, Twn. 4N, Range 44E  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope (%): \_\_\_\_\_  
 Subregion (LRR): LRR-E Lat: 43.691707 Long: 111.207592 Datum: WGS84  
 Soil Map Unit Name: Richvale silt loam 0-4% NWI classification: riverine  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present? Yes  No   
 Are Vegetation , Soil , or Hydrology  naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|                                 |   |                             |  |   |                             |
|---------------------------------|---|-----------------------------|--|---|-----------------------------|
| Hydrophytic Vegetation Present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | <b>Is the Sampled Area within a Wetland?</b> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Hydric Soil Present?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |   |                             |
| Wetland Hydrology Present?      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |   |                             |
| Remarks:                        |   |                             |  |   |                             |

## VEGETATION – Use scientific names of plants.

| Tree Stratum                        | Plot size:    | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet:   |
|-------------------------------------|---------------|------------------|-------------------|------------------|---|
| 1. _____                            | <u>25sf</u> ) |                  |                   |                  | Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)   |
| 2. _____                            |               |                  |                   |                  | Total Number of Dominant Species Across All Strata: <u>1</u> (B)  |
| 3. _____                            |               |                  |                   |                  | Percent of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A/B)  |
| 4. _____                            |               |                  |                   |                  |   |
| _____ = Total Cover                 |               |                  |                   |                  |   |
| Sapling/Shrub Stratum               | Plot size:    | Absolute % Cover | Dominant Species? | Indicator Status | Prevalence Index worksheet:   |
| 1. <u>Salix seyerriana</u>          | <u>25sf</u> ) | 90               | yes               | FACW             | Total % Cover of: Multiply by:  |
| 2. _____                            |               |                  |                   |                  | OBL species _____ x 1 = _____   |
| 3. _____                            |               |                  |                   |                  | FACW species <u>100</u> x 2 = <u>200</u>  |
| 4. _____                            |               |                  |                   |                  | FAC species _____ x 3 = _____   |
| 5. _____                            |               |                  |                   |                  | FACU species _____ x 4 = _____  |
| _____ = Total Cover                 |               |                  |                   |                  | UPL species _____ x 5 = _____   |
|                                     |               |                  |                   |                  | Column Totals: <u>100</u> (A) <u>200</u> (B)  |
|                                     |               |                  |                   |                  | Prevalence Index = B/A = <u>2</u>   |
| Herb Stratum                        | Plot size:    | Absolute % Cover | Dominant Species? | Indicator Status | Hydrophytic Vegetation Indicators:  |
| 1. <u>Juncus balticus</u>           | <u>25sf</u> ) | 10               |                   | FACW             | <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation  |
| 2. _____                            |               |                  |                   |                  | <input type="checkbox"/> 2 - Dominance Test is >50%   |
| 3. _____                            |               |                  |                   |                  | <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup>   |
| 4. _____                            |               |                  |                   |                  | <input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) |
| 5. _____                            |               |                  |                   |                  | <input type="checkbox"/> 5 - Wetland Non-Vascular Plants <sup>1</sup>   |
| 6. _____                            |               |                  |                   |                  | <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  |
| 7. _____                            |               |                  |                   |                  |   |
| 8. _____                            |               |                  |                   |                  |   |
| 9. _____                            |               |                  |                   |                  |   |
| 10. _____                           |               |                  |                   |                  |   |
| 11. _____                           |               |                  |                   |                  |   |
| _____ = Total Cover                 |               |                  |                   |                  | <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.                  |
|                                     |               |                  |                   |                  |   |
| Woody Vine Stratum                  | Plot size:    | Absolute % Cover | Dominant Species? | Indicator Status | Hydrophytic Vegetation Present?   |
| 1. _____                            | <u>n/a</u> )  |                  |                   |                  | Yes <input checked="" type="checkbox"/>   |
| 2. _____                            |               |                  |                   |                  | No <input type="checkbox"/>   |
| _____ = Total Cover                 |               |                  |                   |                  |   |
| % Bare Ground in Herb Stratum _____ |               |                  |                   |                  |   |

Remarks: Wetland Limits at Top of Bank Mahogany Creek



# WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Skyline View Ranch City/County: Bates/Teton Sampling Date: 06/01/23  
 Applicant/Owner: Skyline Holdings Group State: ID Sampling Point: DP2  
 Investigator(s): cb Section, Township, Range: Sec 12, Twn. 4N, Range 44E  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope (%): \_\_\_\_\_  
 Subregion (LRR): LRR-E Lat: 43.691691 Long: 111.207422 Datum: WGS84  
 Soil Map Unit Name: Richvale silt loam 0-4% NWI classification: riverine  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present? Yes  No   
 Are Vegetation , Soil , or Hydrology  naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|  |  |   |  |                              |  |
|--|--|---|--|------------------------------|--|
| Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input type="checkbox"/> | Hydic Soil Present? Yes <input type="checkbox"/> No <input type="checkbox"/> | Wetland Hydrology Present? Yes <input type="checkbox"/> No <input type="checkbox"/> | <b>Is the Sampled Area within a Wetland?</b> | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Remarks:   |  |   |  |                              |  |

## VEGETATION – Use scientific names of plants.

| Tree Stratum (Plot size: <u>25sf</u> )                | Absolute % Cover | Dominant Species? | Indicator Status | <b>Dominance Test worksheet:</b>  |
|---|------------------|-------------------|------------------|---|
| 1. _____  | _____            | _____             | _____            | Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)  |
| 2. _____  | _____            | _____             | _____            | Total Number of Dominant Species Across All Strata: _____ (B)   |
| 3. _____  | _____            | _____             | _____            | Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)   |
| 4. _____  | _____            | _____             | _____            |   |
| _____ = Total Cover                                   |                  |                   |                  |   |
| Sapling/Shrub Stratum (Plot size: <u>25sf</u> )       | Absolute % Cover | Dominant Species? | Indicator Status | <b>Prevalence Index worksheet:</b>  |
| 2. _____  | _____            | _____             | _____            | Total % Cover of: _____ Multiply by:  |
| 3. _____  | _____            | _____             | _____            | OBL species _____ x 1 = _____   |
| 4. _____  | _____            | _____             | _____            | FACW species _____ x 2 = _____  |
| 5. _____  | _____            | _____             | _____            | FAC species _____ x 3 = _____   |
| _____ = Total Cover                                   |                  |                   |                  | FACU species _____ x 4 = _____  |
|   |                  |                   |                  | UPL species <u>100</u> x 5 = <u>500</u>   |
|   |                  |                   |                  | Column Totals: <u>100</u> (A) <u>500</u> (B)  |
|   |                  |                   |                  | Prevalence Index = B/A = <u>5</u>   |
| Herb Stratum (Plot size: <u>25sf</u> )                | Absolute % Cover | Dominant Species? | Indicator Status | <b>Hydrophytic Vegetation Indicators:</b>   |
| 1. <u>Barley</u>                                      | 100              | _____             | UPL              | <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation  |
| 2. _____  | _____            | _____             | _____            | <input type="checkbox"/> 2 - Dominance Test is >50%   |
| 3. _____  | _____            | _____             | _____            | <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup>   |
| 4. _____  | _____            | _____             | _____            | <input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) |
| 5. _____  | _____            | _____             | _____            | <input type="checkbox"/> 5 - Wetland Non-Vascular Plants <sup>1</sup>   |
| 6. _____  | _____            | _____             | _____            | <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  |
| 7. _____  | _____            | _____             | _____            |   |
| 8. _____  | _____            | _____             | _____            |   |
| 9. _____  | _____            | _____             | _____            |   |
| 10. _____   | _____            | _____             | _____            |   |
| 11. _____   | _____            | _____             | _____            |   |
| 100 = Total Cover                                     |                  |                   |                  | <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.                  |
| Woody Vine Stratum (Plot size: <u>n/a</u> )           | Absolute % Cover | Dominant Species? | Indicator Status | <b>Hydrophytic Vegetation Present?</b>  |
| 1. _____  | _____            | _____             | _____            | Yes <input type="checkbox"/>  |
| 2. _____  | _____            | _____             | _____            | No <input checked="" type="checkbox"/>  |
| _____ = Total Cover                                   |                  |                   |                  |   |
| % Bare Ground in Herb Stratum _____                   |                  |                   |                  |   |
| Remarks: Wetland Limits at Top of Bank Mahogany Creek |                  |                   |                  |   |



## WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Skyline View Ranch City/County: Bates/Teton Sampling Date: 06/01/23  
 Applicant/Owner: Skyline Holdings Group State: ID Sampling Point: DP3  
 Investigator(s): cb Section, Township, Range: Sec 12, Twn. 4N, Range 44E  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope (%): \_\_\_\_\_  
 Subregion (LRR): LRR-E Lat: 43.691707 Long: 111.207159 Datum: WGS84  
 Soil Map Unit Name: Badgerton-Alpine Complex 0-2% NWI classification: riverine  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Yes  No   
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|                                 |   |                             |  |   |                             |
|---------------------------------|---|-----------------------------|--|---|-----------------------------|
| Hydrophytic Vegetation Present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | <b>Is the Sampled Area within a Wetland?</b> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Hydric Soil Present?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |   |                             |
| Wetland Hydrology Present?      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |   |                             |
| Remarks:                        |   |                             |  |   |                             |

### VEGETATION – Use scientific names of plants.

| Tree Stratum  | Plot size:    | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet:  |
|---|---------------|------------------|-------------------|------------------|--|
| 1. _____  | <u>25sf</u> ) |                  |                   |                  | Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)    |
| 2. _____  |               |                  |                   |                  | Total Number of Dominant Species Across All Strata: <u>1</u> (B)       |
| 3. _____  |               |                  |                   |                  | Percent of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A/B) |
| 4. _____  |               |                  |                   |                  |  |
| _____ = Total Cover   |               |                  |                   |                  |  |
| <b>Prevalence Index worksheet:</b>  |               |                  |                   |                  |  |
| Total % Cover of: Multiply by:  |               |                  |                   |                  |  |
| OBL species _____ x 1 = _____   |               |                  |                   |                  |  |
| FACW species <u>100</u> x 2 = <u>200</u>  |               |                  |                   |                  |  |
| FAC species _____ x 3 = _____   |               |                  |                   |                  |  |
| FACU species _____ x 4 = _____  |               |                  |                   |                  |  |
| UPL species _____ x 5 = _____   |               |                  |                   |                  |  |
| Column Totals: <u>100</u> (A) <u>200</u> (B)  |               |                  |                   |                  |  |
| Prevalence Index = B/A = <u>2</u>   |               |                  |                   |                  |  |
| <b>Hydrophytic Vegetation Indicators:</b>   |               |                  |                   |                  |  |
| <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation  |               |                  |                   |                  |  |
| <input type="checkbox"/> 2 - Dominance Test is >50%   |               |                  |                   |                  |  |
| <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup>   |               |                  |                   |                  |  |
| <input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) |               |                  |                   |                  |  |
| <input type="checkbox"/> 5 - Wetland Non-Vascular Plants <sup>1</sup>   |               |                  |                   |                  |  |
| <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  |               |                  |                   |                  |  |
| <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.                  |               |                  |                   |                  |  |
| <b>Hydrophytic Vegetation Present?</b>  |               |                  |                   |                  |  |
| Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>   |               |                  |                   |                  |  |
| Remarks: Wetland Limits at Top of Bank Mahogany Creek   |               |                  |                   |                  |  |



# WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Skyline View Ranch City/County: Bates/Teton Sampling Date: 06/01/23  
 Applicant/Owner: Skyline Holdings Group State: ID Sampling Point: DP4  
 Investigator(s): cb Section, Township, Range: Sec 12, Twn. 4N, Range 44E  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope (%): \_\_\_\_\_  
 Subregion (LRR): LRR-E Lat: 43.697805 Long: 111.207638 Datum: WGS84  
 Soil Map Unit Name: Badgerton-Alpine complex 0-2% NWI classification: riverine  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present? Yes  No   
 Are Vegetation , Soil , or Hydrology  naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|                                 |                              |                             |  |                              |  |
|---------------------------------|------------------------------|-----------------------------|--|------------------------------|--|
| Hydrophytic Vegetation Present? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | <b>Is the Sampled Area within a Wetland?</b> | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Hydric Soil Present?            | Yes <input type="checkbox"/> | No <input type="checkbox"/> |  |                              |  |
| Wetland Hydrology Present?      | Yes <input type="checkbox"/> | No <input type="checkbox"/> |  |                              |  |
| Remarks:                        |                              |                             |  |                              |  |

## VEGETATION – Use scientific names of plants.

| Tree Stratum  | Plot size:    | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet:   |
|---|---------------|------------------|-------------------|------------------|---|
| 1. _____  | <u>25sf</u> ) |                  |                   |                  | Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)  |
| 2. _____  |               |                  |                   |                  | Total Number of Dominant Species Across All Strata: _____ (B)   |
| 3. _____  |               |                  |                   |                  | Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)   |
| 4. _____  |               |                  |                   |                  |   |
| _____ = Total Cover                                   |               |                  |                   |                  |   |
| Sapling/Shrub Stratum                                 | Plot size:    | Absolute % Cover | Dominant Species? | Indicator Status | Prevalence Index worksheet:   |
| 1. _____  | <u>25sf</u> ) |                  |                   |                  | Total % Cover of: _____ Multiply by:  |
| 2. _____  |               |                  |                   |                  | OBL species _____ x 1 = _____   |
| 3. _____  |               |                  |                   |                  | FACW species _____ x 2 = _____  |
| 4. _____  |               |                  |                   |                  | FAC species _____ x 3 = _____   |
| 5. _____  |               |                  |                   |                  | FACU species _____ x 4 = _____  |
| _____ = Total Cover                                   |               |                  |                   |                  | UPL species <u>100</u> x 5 = <u>500</u>   |
|   |               |                  |                   |                  | Column Totals: <u>100</u> (A) <u>500</u> (B)  |
|   |               |                  |                   |                  | Prevalence Index = B/A = <u>5</u>   |
| Herb Stratum  | Plot size:    | Absolute % Cover | Dominant Species? | Indicator Status | Hydrophytic Vegetation Indicators:  |
| 1. <u>Barley</u>                                      | <u>25sf</u> ) | 100              |                   | UPL              | <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation  |
| 2. _____  |               |                  |                   |                  | <input type="checkbox"/> 2 - Dominance Test is >50%   |
| 3. _____  |               |                  |                   |                  | <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup>   |
| 4. _____  |               |                  |                   |                  | <input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) |
| 5. _____  |               |                  |                   |                  | <input type="checkbox"/> 5 - Wetland Non-Vascular Plants <sup>1</sup>   |
| 6. _____  |               |                  |                   |                  | <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  |
| 7. _____  |               |                  |                   |                  |   |
| 8. _____  |               |                  |                   |                  |   |
| 9. _____  |               |                  |                   |                  |   |
| 10. _____   |               |                  |                   |                  |   |
| 11. _____   |               |                  |                   |                  |   |
| 100 = Total Cover                                     |               |                  |                   |                  | <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.                  |
| Woody Vine Stratum                                    | Plot size:    | Absolute % Cover | Dominant Species? | Indicator Status | Hydrophytic Vegetation Present?   |
| 1. _____  | <u>n/a</u> )  |                  |                   |                  | Yes <input type="checkbox"/>  |
| 2. _____  |               |                  |                   |                  | No <input checked="" type="checkbox"/>  |
| _____ = Total Cover                                   |               |                  |                   |                  |   |
| % Bare Ground in Herb Stratum _____                   |               |                  |                   |                  |   |
| Remarks: Wetland Limits at Top of Bank Mahogany Creek |               |                  |                   |                  |   |

