



### Legend



Proposed BMC A Pad



**Ursa** | OPERATING COMPANY

### NRCS Map BMC A Pad

Section 13, Township 7 South, Range 96 West  
Section 18, Township 7 South, Range 95 West  
Garfield County, Colorado



0 500 1,000  
Feet

Author: CM Revision: 0 Date: March 27, 2017

Document Path: Y:\GIS\Permitting\NRCS Maps\BMC A\_NRCS\_3.20.17.mxd

## Rifle Area, Colorado, Parts of Garfield and Mesa Counties

### 4—Arvada loam, 6 to 20 percent slopes

#### Map Unit Setting

*National map unit symbol:* jny6

*Elevation:* 5,100 to 6,200 feet

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Arvada and similar soils:* 85 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Arvada

##### Setting

*Landform:* Terraces, fans

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex, linear

*Across-slope shape:* Convex, linear

*Parent material:* Highly saline alluvium derived from sandstone and shale

##### Typical profile

*H1 - 0 to 3 inches:* loam

*H2 - 3 to 17 inches:* silty clay loam

*H3 - 17 to 60 inches:* silty clay loam

##### Properties and qualities

*Slope:* 6 to 20 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 10 percent

*Gypsum, maximum in profile:* 2 percent

*Salinity, maximum in profile:* Slightly saline to strongly saline (4.0 to 16.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 30.0

*Available water storage in profile:* Moderate (about 8.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 7s

*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* C

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties

Survey Area Data: Version 9, Sep 22, 2015

## Rifle Area, Colorado, Parts of Garfield and Mesa Counties

### 34—Ildefonso stony loam, 25 to 45 percent slopes

#### Map Unit Setting

*National map unit symbol:* jny0

*Elevation:* 5,000 to 6,500 feet

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Ildefonso and similar soils:* 90 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Ildefonso

##### Setting

*Landform:* Alluvial fans, breaks, valley sides

*Down-slope shape:* Linear, convex

*Across-slope shape:* Linear, convex

*Parent material:* Mixed alluvium derived from basalt

##### Typical profile

*H1 - 0 to 8 inches:* stony loam

*H2 - 8 to 60 inches:* very stony loam

##### Properties and qualities

*Slope:* 25 to 45 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.60 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 35 percent

*Salinity, maximum in profile:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

*Available water storage in profile:* Low (about 5.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* A

*Hydric soil rating:* No

### **Minor Components**

#### **Potts**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

#### **Ascalon**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties

Survey Area Data: Version 9, Sep 22, 2015