



**Legend**



Proposed BMC F Pad



**Ursa** | OPERATING  
COMPANY

**NRCS Map  
BMC F Pad**

Section 16, 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 F\_NRCS\_3.24.17.mxd

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

### 33—Ildefonso stony loam, 6 to 25 percent slopes

#### Map Unit Setting

*National map unit symbol:* jnxz

*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:* Valley sides, benches, mesas

*Down-slope shape:* Convex, linear

*Across-slope shape:* Convex, linear

*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:* 6 to 25 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*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):* 6e

*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

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

### 56—Potts loam, 6 to 12 percent slopes

#### Map Unit Setting

*National map unit symbol:* jnys

*Elevation:* 5,000 to 7,000 feet

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Potts and similar soils:* 85 percent

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

#### Description of Potts

##### Setting

*Landform:* Benches, mesas, valley sides

*Down-slope shape:* Linear, convex

*Across-slope shape:* Linear, convex

*Parent material:* Alluvium derived from basalt and/or alluvium derived from sandstone and shale

##### Typical profile

*H1 - 0 to 4 inches:* loam

*H2 - 4 to 28 inches:* clay loam

*H3 - 28 to 60 inches:* loam

##### Properties and qualities

*Slope:* 6 to 12 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* High

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

Moderately high (0.20 to 0.60 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* High (about 10.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 4e

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C

*Ecological site:* Rolling Loam (R048AY298CO)

*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

### 58—Potts-Ildefonso complex, 12 to 25 percent slopes

#### Map Unit Setting

*National map unit symbol:* jnyv

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

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Potts and similar soils:* 60 percent

*Ildefonso and similar soils:* 30 percent

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

#### Description of Potts

##### Setting

*Landform:* Alluvial fans, mesas, valley sides

*Down-slope shape:* Linear, convex

*Across-slope shape:* Linear, convex

*Parent material:* Alluvium derived from basalt and/or alluvium derived from sandstone and shale

##### Typical profile

*H1 - 0 to 4 inches:* loam

*H2 - 4 to 28 inches:* clay loam

*H3 - 28 to 60 inches:* loam

##### Properties and qualities

*Slope:* 12 to 25 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* High

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

Moderately high (0.20 to 0.60 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* High (about 10.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* C

*Ecological site:* Rolling Loam (R048AY298CO)

*Hydric soil rating:* No

## Description of Ildefonso

### Setting

*Landform:* Alluvial fans, mesas, valley sides

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Alluvium derived from basalt and/or alluvium  
derived from sandstone and shale

### Typical profile

*H1 - 0 to 8 inches:* stony loam

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

### Properties and qualities

*Slope:* 12 to 25 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*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):* 6e

*Hydrologic Soil Group:* A

*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