

# Map Unit Description

Routt Area, Colorado, Parts of Rio Blanco and Routt Counties

## 185 Impass-Gourley complex, 3 to 25 percent slopes

### Setting

Elevation: 6600 to 8900 feet  
Mean annual precipitation: 18 to 26 inches  
Mean annual air temperature: 37 to 41 degrees F  
Frost-free period: 40 to 70 days

### Composition

Impass and similar soils: 75 percent  
Gourley and similar soils: 15 percent

### Description of Impass

#### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Concave, convex  
Parent material: Colluvium derived from sandstone and shale and/or slope alluvium derived from sandstone and shale

#### Properties and Qualities

Slope: 3 to 25 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 2 percent  
Available water capacity: High (about 9.5 inches)

#### Interpretive Groups

Land capability classification (irrigated): 6c  
Land capability (non irrigated): 6c  
Ecological site: Claypan (R048AY296CO)

#### Typical Profile

0 to 4 inches: clay  
4 to 12 inches: clay  
12 to 26 inches: clay  
26 to 60 inches: clay

### Description of Gourley

#### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Concave  
Parent material: Colluvium derived from sandstone and shale and/or slope alluvium derived from sandstone and shale

#### Properties and Qualities

Slope: 3 to 25 percent  
Surface area covered with stones and boulders: 10.0 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 2 percent  
Available water capacity: Moderate (about 8.4 inches)

#### Interpretive Groups

Land capability classification (irrigated): 6c  
Land capability (non irrigated): 6c  
Ecological site: Deep Clay Loam (R048AY247CO)

#### Typical Profile

0 to 11 inches: clay

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11 to 26 inches: clay  
26 to 52 inches: clay  
52 to 60 inches: flaggy clay

# Rangeland Productivity and Plant Composition

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Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		<i>Lb/Ac</i>	<i>Lb/Ac</i>	<i>Lb/Ac</i>		<i>Pct</i>
185:						
Impass	Claypan	---	---	---	---	---
Gourley	Deep Clay Loam	---	---	---	---	---