

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

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

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	---	---	---	---	---