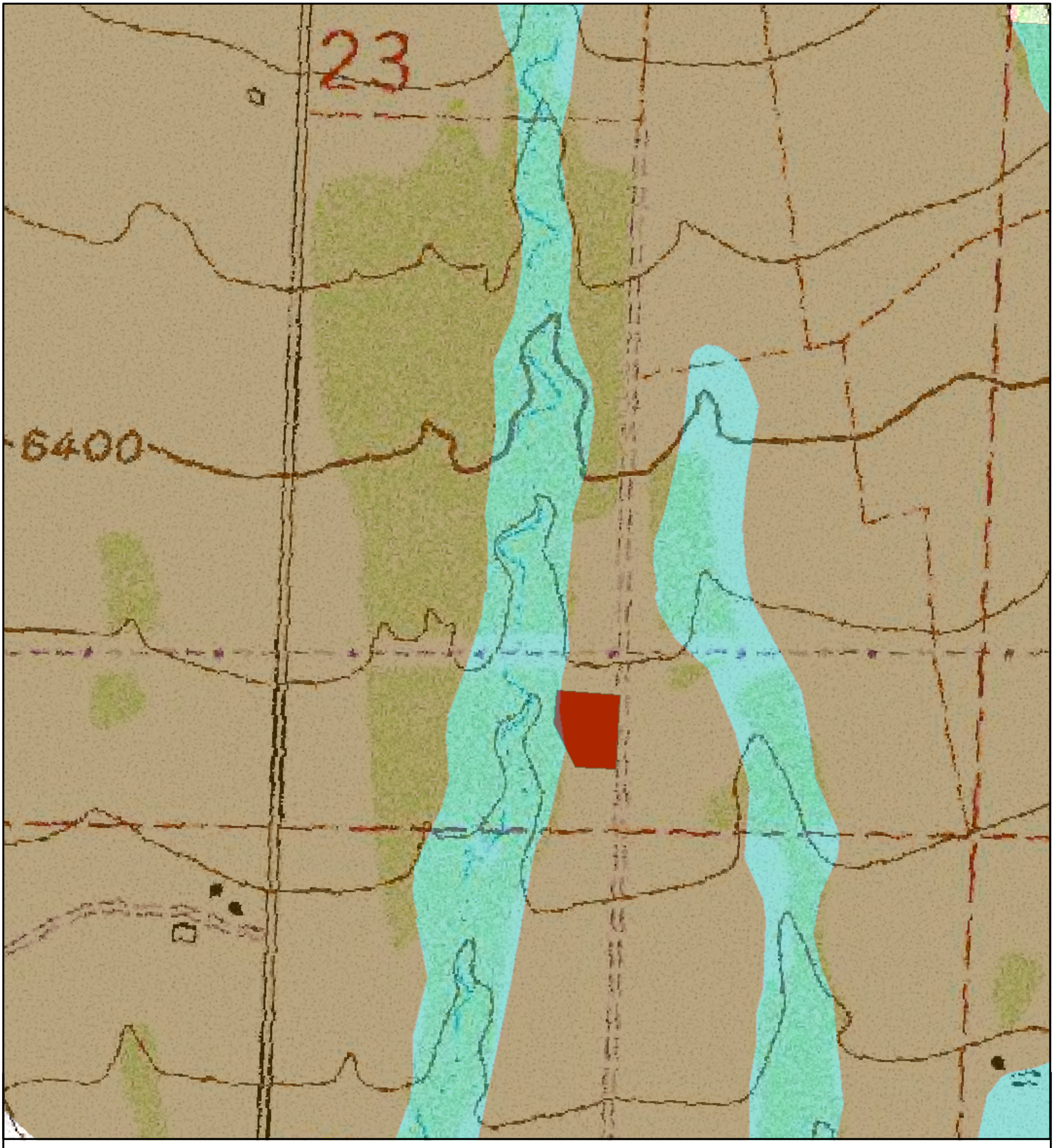

Legend

Water Handling Pit

NRCS Soils Unit

23 - Clapper very stony loam, 25 to 65% slopes

58 - Peninsula loam, 3 to 9% slopes

0 0.05 0.1 0.2 Miles

N

PROJECT NO: 010-1659	SOILS MAP WATER HANDLING PIT SWSE, SEC 23, T9S, R95W, 6TH PM MESA COUNTY, COLORADO	OLSSON ASSOCIATES 826 21-1/2 ROAD GRAND JUNCTION, CO 81505 TEL 970.263.7800 FAX 970.263.7456	FIGURE
DRAWN BY: JAS			
DATE: 09/28/2010			

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

23—Clapper very stony loam, 25 to 65 percent slopes

Map Unit Setting

Elevation: 5,600 to 7,100 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 100 to 150 days

Map Unit Composition

Clapper and similar soils: 85 percent

Description of Clapper

Setting

Landform: Mountains
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Mountainflank
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Material weathered from glacial till derived from basalt

Properties and qualities

Slope: 25 to 65 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 (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water capacity: Moderate (about 7.5 inches)

Interpretive groups

Land capability (nonirrigated): 7e
Ecological site: Juniperus osteosperma-Pinus edulis/Pleuraphis jamesii (F034XY447CO)

Typical profile

0 to 3 inches: Very stony loam
3 to 12 inches: Very stony loam
12 to 26 inches: Very cobbly loam

26 to 60 inches: Very cobbly loam, extremely cobbly loam

Data Source Information

Soil Survey Area: Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties
Survey Area Data: Version 5, Feb 1, 2008

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

58—Peninsula loam, 3 to 9 percent slopes

Map Unit Setting

Elevation: 6,200 to 6,800 feet
Mean annual precipitation: 15 to 19 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 85 to 110 days

Map Unit Composition

Peninsula and similar soils: 80 percent
Minor components: 5 percent

Description of Peninsula

Setting

Landform: Benches
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed, transported rock spread deposits derived from volcanic and sedimentary rock

Properties and qualities

Slope: 3 to 9 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 (0.20 to 0.57 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 (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water capacity: High (about 9.7 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability (nonirrigated): 4e
Ecological site: Deep Loam (R048AY292CO)

Typical profile

0 to 4 inches: Loam
4 to 19 inches: Clay loam
19 to 28 inches: Clay loam
28 to 60 inches: Loam

Minor Components

Haplaquolls

Percent of map unit: 5 percent

Landform: Depressions

Data Source Information

Soil Survey Area: Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties
Survey Area Data: Version 5, Feb 1, 2008