

## **22—Bulkley silty clay, 3 to 12 percent slopes**

### **Map Unit Setting**

Major Land Resource Area: 34

Elevation: 6,200 to 7,000 feet (1,890 to 2,134 meters)

Mean annual precipitation: 13 to 15 inches (330 to 381 millimeters)

Mean annual air temperature: 42 to 45 degrees F. (5.6 to 7.2 degrees C.)

Freeze-free period: 75 to 95 days

### **Map Unit Composition**

Bulkley and similar soils: 80 percent

Minor components: 20 percent

### **Component Descriptions**

#### **Bulkley soils**

Landform: Hills, alluvial fans

Position on landform: Toeslope

Parent material: Alluvium derived from shale

Slope: 3 to 12 percent

Drainage class: Well drained

Slowest permeability: .001 to .06 in./hr. (very slow)

Available water capacity: About 8.9 inches (moderate)

Shrink-swell potential: About 7.5 percent (high)

Runoff class: Very high

Calcium carbonate maximum: About 10 percent

Gypsum maximum: About 1 percent

Salinity maximum: About 2 mmhos/cm (nonsaline)

Sodium adsorption ratio maximum: About 0 (nonsodic)

Ecological site: Clayey Foothills

Potential native vegetation: western wheatgrass, Wyoming big sagebrush, bottlebrush squirreltail, prairie Junegrass

Land capability subclass (nonirrigated): 4e

Typical Profile:

0 to 4 inches; silty clay

4 to 36 inches; clay

36 to 60 inches; silty clay

### **Minor Components**

Pricecreek and similar soils

Composition: About 10 percent

Abor and similar soils

Composition: About 10 percent