SOIL SURVEY OF
KERN CANYON STUDY AREA
SEQUOIA NATIONAL PARK

DESCRIPTION OF THE AREA

LOCATION

The Kern Canyon Study Area consists of approximately 38,000 acres of high alpine slopes in the eastern portion of the Sequoia National Park (Mount Whitney 15' quadrangle). The area is bounded by the following coordinates: latitudes 36^0 29' and 36^0 39' north and 118^0 17' and 118^0 28' west.

Beginning at its northernmost boundary at Mount Tyndall, the eastern boundary of the study area follows the Sierra Nevada divide across Mount Bernard, Tunnabora Peak, Mount Whitney, and Mount McAdie. From Mount McAdie, the study area boundary heads southwest along the Whitney Creek divide across Mount Newcomb and Mount Chamberlin to Mount Guyot and the Kern River. The Kern River forms the western boundary upstream to Junction Meadow. The northwest boundary then follows the ridgeline to Tawny Point, closing at Mount Tyndall. The primary watersheds are Wallace Creek, Whitney Creek, and Rock Creek. All three flow west and are tributaries of the Kern River.

TERRAIN

The area is hilly to mountainous with several deep canyons, glacial basins and valleys, mountain peaks and summits, cirques and tarns. The terrain is very irregular with transitions from rugged ranges to basins and canyons. Elevations range from 7,000 to 14,495 feet. More than 75 percent of the area has very steep to extremely steep slopes. The balance of the area consists of sloping to steep slopes which occur primarily in the meadow areas and plateaus. Most of the slopes are complex.

The terrain reflects the erosive action of moving waters, partly controlled by rock jointing and rock type; rainfall impact; mass wasting; glacial activity; and frost-freeze action.

GENERAL GEOLOGY

The survey area occupies the upper portion of the western slope of the Southern Sierra Nevada. Granite and granodiorite of Cretaceous origin, and similar acid igneous rocks comprise the vast majority of the area.

Glacial activity from the last Pleistocene episode left only a few alpine peaks and summits at elevations of 12,000 feet or more, unscoured. In the basins and canyons, the glaciers deposited a mantle of fill and debris upon which have developed moderately deep and deep soils. The remnants of past glaciation include moraines, erratic boulders, chain lakes, cirques, tarns, glacial polish on rocks, and U-shaped canyons.

VEGETATION

The natural vegetation reflects the soil and climatic patterns of the area. In the Kern Canyon Study Area, five vegetative communities have been identified:

- Mountain Chaparral
- Jeffrey Pine Forest
- Lodgepole Pine Forest
- Subalpine Forest
- Subalpine and Alpine Meadow

The Mountain Chaparral and Jeffrey Pine Forest communities occupy the lowest and warmest areas, elevations from 7000 feet on the warmer aspects. Evidence of wildfires is common. Brush thickets composed of plants such as snow brush, bitter cherry, manzanita,

sagebrush, chinquapin, and canyon oak comprise the mountain chaparral community. They occupy dry and rocky slopes often with large areas of talus. Jeffrey pine along with black oak, incense cedar, sugar pine, white fir, and western juniper make up the primary plants in the Jeffrey Pine Forest. This community often has a shrub understory.

By far the most common plant community in the survey area is the Lodgepole Pine Forest. The dominant plants are lodgepole pine, foxtail pine or both. Elevations range from 8,000 to 11,000 feet. The community occupies glacially scoured ridges, valleys and basins and lower mountain sideslopes. An understory component is typically absent and the accumulation of litter is thin.

The Subalpine Forest community is found on rocky mountain ridges, crests and sideslopes at elevations between 9,500 to 12,000 feet. Component species include lodgepole pine, western white pine and whitebark pine. Trees are typically stunted and sparsely distributed.

The Alpine Community occurs on the upper glacial basins, upper mountain ridges, and sideslopes above treeline. Plants are low growing and consist of alpine herbs such as pussypaws, dwarf Lewisia, buckwheat, and shrubs such as currant and willows.

The last community is the Subalpine and Alpine Meadows. Primary components are sedges, meadow grasses and willows.

TABLE 1-S

SOIL TAXONOMIC UNITS
(Alphabetical order)

Kern Canyon Study Area

Sequoia National Park

Aeric Cryaquepts, sandy-skeletal, mixed
Dystric Cryochrepts, sandy, mixed
Dystric Cryochrepts, sandy-skeletal, mixed
Dystric Cryochrepts, sandy-skeletal, mixed, shallow
Entic Xerumbrepts, sandy, mixed, frigid
Entic Xerumbrepts, sandy-skeletal, mixed, frigid
Lithic Cryochrepts, loamy-skeletal, mixed
Lithic Cryopsamments, mixed
Lithic Cryumbrepts, loamy, skeletal, mixed
Lithic Mollic Haploxeralfs, loamy-skeletal, mixed, frigid
Lithic Xerumbrepts, loamy-skeletal, mixed, frigid
Typic Cryaquepts, coarse-loamy, mixed
Typic Cryofluvents, sandy-skeletal, mixed
Typic Cryopsamments, mixed
Typic Cryorthents, sandy-skeletal, mixed
Typic Xerumbrepts, loamy-skeletal, mixed, frigid
Ultic Haploxeralfs, loamy-skeletal, mixed, frigid

TABLE 2-S

CLASSIFICATION TABLE OF TAXONOMIC UNITS

Kern Canyon Study Area

Sequoia National Park

ALFISOLS

Haploxeralfs

Lithic Mollic Haploxeralfs, loamy-skeletal, mixed, frigid
Ultic Haploxeralfs, loamy-skeletal, mixed, frigid

ENTISOLS

Cryofluvents

Typic Cryofluvents, sandy-skeletal, mixed

Cryopsamments

Typic Cryopsamments, mixed
Lithic Cryopsamments, mixed

Cryorthents

Typic Cryorthents, sandy-skeletal, mixed

INCEPTISOLS

Cryaquepts

Typic Cryaquepts, coarse-loamy, mixed
Aeric Cryaquepts, sandy-skeletal, mixed

Cryochrepts

Dystric Cryochrepts, sandy, mixed
Dystric Cryochrepts, sandy-skeletal, mixed
Dystric Cryochrepts, sandy-skeletal, mixed, shallow
Lithic Cryochrepts, loamy-skeletal, mixed

Cryumbrepts

Lithic Cryumbrepts, loamy, skeletal, mixed

Xerumbrepts

Typic Xerumbrepts, loamy-skeletal, mixed, frigid
Entic Xerumbrepts, sandy, mixed, frigid
Entic Xerumbrepts, sandy-skeletal, mixed, frigid
Lithic Xerumbrepts, loamy-skeletal, mixed, frigid

TAXONOMIC UNITS IN THE KERN CANYON STUDY AREA

DESCRIPTION OF TAXONOMIC UNITS

Aeric Cryaquepts, sandy-skeletal, mixed

This soil family consists of deep, very poorly and poorly drained soils that formed in alluvium and morainal material from granitic rock sources. They occur on drainageways and seeps. Slopes range from nearly level to 15 percent.

Typically the thin dark surface layer overlies a very gravelly or cobbly coarse sand substratum.

Following is a profile description of a representative pedon (DW14) found in the map unit *176 Dystric Cryochrepts - Aeric Cryaquepts - Jointed granitic outcrop complex, 0 to 25 percent slopes.* It is located in the upper Crabtree Meadows about .5 mile south of the Crabtree Ranger Station on the Mount Whitney 15' quadrangle. Elevation is approximately 10500 feet.

A1--0 to 2 inches; grayish brown (10YR 5/2) gravelly loam, very dark brown (10YR 2/2) moist; structureless heavily matted by roots; soft, very friable, nonsticky and nonplastic; many very fine and fine roots; many very fine interstitial pores; 15 percent pebbles; abrupt smooth boundary.

A2--2 to 8 inches; grayish brown (10YR 5/2) gravelly loam, very dark grayish brown (10YR 3/2) moist; structureless - heavily matted by roots; soft, very friable, nonsticky and nonplastic; many very fine and fine roots; many very fine interstitial pores; 15 percent pebbles; clear wavy boundary.

C--8 to 10 inches; light brownish gray (10YR 6/2) very gravelly coarse sandy loam, very dark grayish brown (10YR 3/2) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine and few fine roots; many very fine interstitial pores; 30 percent pebbles and 5 percent cobbles; abrupt wavy boundary.

2C--10 to 60 inches; pale brown (10YR 6/3) stratified extremely gravelly coarse sand to gravelly sand, dark yellowish brown (10YR 4/4) moist; single grained; loose, nonsticky and nonplastic; few very fine and fine roots; 45 percent pebbles and 7 percent cobbles.

Remarks: These soils are wet for a significant part of the year. Depth to the water table is commonly less than 20 inches.

Dystric Cryochrepts, sandy, mixed

This soil family consists of moderately deep to a dense and brittle hardpan, excessively drained soils that formed in colluvium and morainal material weathered from granite and granodiorite rock. They occur on nearly level erosional deposits or plateaus below mountains. Slopes range from 5 to 30 percent.

These soils are poorly developed. Typically they have a thin, dark surface overlying a morphologic subsoil of brighter chroma.

Following is a profile description of a representative pedon (RA3) found in the map unit *170 Dystric Cryochrepts association, 5 to 45 percent slopes*. It is located in lower Sandy Meadows about 1.5 miles west of the Crabtree Ranger Station on the Mount Whitney 15' quadrangle. Elevation is approximately 10500 feet.

Oi--0.5 to 0 inches; slightly decomposed conifer needles, twigs, and cones.

A--O 0 to 7 inches; brown (10YR 4/3) very stony loamy coarse sand, very dark grayish brown (10YR 3/2) moist; moderate very fine and fine granular structure; soft, very friable, nonsticky and nonplastic; common very fine and fine and few medium and coarse roots; many very fine, fine and medium interstitial pores; 25 percent pebbles, 10 percent cobbles, and 15 percent stones and boulders; abrupt wavy boundary.

C--7 to 16 inches; very pale brown (10YR 7/4) very gravelly coarse sand, dark yellowish brown (10YR 4/6) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and fine and few medium and coarse roots; common very fine and medium interstitial pores; 40 percent pebbles and 10 percent cobbles; abrupt wavy boundary.

2C--16 to 24 inches; very pale brown (10YR 7/4) gravelly sand, yellowish brown (10YR 5/4) moist; single grained; loose, loose, nonsticky and nonplastic; few fine, medium and coarse roots; few medium and coarse tubular pores; 15 percent pebbles and 3 percent cobbles; clear wavy boundary.

3Cx--24 to 28 inches; very pale brown (10YR 7/4) discontinuous dense and brittle hardpan that parts to gravelly sand; 25 percent pebbles; abrupt wavy boundary.

4C--28 to 40 inches; very pale brown (10YR 7/4) gravelly coarse sand, yellowish brown (10YR 5/4) moist; single grained; loose, loose, nonsticky and nonplastic; 25 percent pebbles and 3 percent cobbles.

Remarks: The particle size control section has an average of 15 to 35 rock fragments, mainly pebbles. Textures range from coarse sand to loamy fine sand. A discontinuous dense and brittle pan is often present between the depth of 10 to 40 inches. The soil temperature at 20 inches taken at 1:00 p.m. on 8/2/88 was 54°F.

Dystric Cryochrepts, sandy-skeletal, mixed

This soil family consists of moderately deep to a dense and brittle hardpan, excessively drained soils that formed in alluvium and morainal material weathered from granitic rock sources. They occur on glaciated plateaus, moraines, and ground till. Slopes are commonly complex and range from 5 to 30 percent.

Typically these soils have a thin dark surface overlying a moderately developed subsoil that is lighter in color and has brighter chroma. A hard, dense and brittle pan, commonly mottled, follows and rests on a light colored substratum.

Following is a profile description of a representative pedon (RA4) found in the map unit *172 Dystric Cryochrepts - Typic Cryaquepts complex, 5 to 20 percent slopes.* It is located in the Wallace Creek drainage about 1 mile north west of the northern slopes of Mount Young on the Mount Whitney 15' quadrangle. Elevation is approximately 10600 feet.

Oi--0.5 to 0 inches; slightly decomposed conifer needles, twigs, and cones.

A1--0 to 4 inches; dark brown (10YR 3/3) extremely bouldary coarse sandy loam, very dark brown (10YR 2/2) moist; common very fine and fine granular structure; soft, very friable, nonsticky and nonplastic; common very fine, fine and medium roots; common fine and medium interstitial pores; 30 percent pebbles, 20 percent cobbles, 15 percent stones, and 15 percent boulders; abrupt wavy boundary.

AC--4 to 23 inches; light yellowish brown (10YR 6/4) very cobbly coarse sandy loam, dark yellowish brown (10YR 4/4) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; few very fine and fine and common medium and coarse roots; common fine interstitial pores; 20 percent pebbles, 20 percent cobbles, and 15 percent stones; abrupt wavy boundary.

2Cx--23 to 27 inches; light gray (10YR 7/1) extremely gravelly coarse sand, olive gray (5Y 5/2) moist; common fine distinct yellowish brown (10YR 5/4) iron mottles; massive; hard, dense and brittle pan; few fine and medium roots; few very fine and fine interstitial pores; 30 percent pebbles, 15 percent cobbles, and 15 percent stones; clear wavy boundary.

3C--27 to 40 inches; very pale brown (10YR 7/3) extremely cobbly coarse sand, olive (5Y 5/3) moist; single grained; loose, loose, nonsticky and nonplastic; few fine and medium roots; common fine and medium interstitial pores; 30 percent pebbles and 60 percent cobbles.

Remarks: Depth to the hardpan ranges between 20 and 35 inches. The pan has features common to a fragipan but does not strictly meet its requirements. Textures include coarse sand, sand and loamy sand. The soil temperature taken at 20 inches on 8/4/88 at 11:30 a.m. was 55°F.

Dystric Cryochrepts, sandy-skeletal, mixed, shallow

This soil family consists of shallow to a dense and brittle hardpan, somewhat excessively drained soils that formed in alluvium and morainal material weathered from granitic rock sources. They occur on dissected plateaus. Slopes are complex and range from 25 to 45 percent.

Typically these soils have a thin dark surface layer overlying a light colored substratum. The substratum rests on top of a dense and brittle, root restricting hardpan.

Following is a profile description of a representative pedon (DW3) found in the map unit *170 Dystric Cryochrepts association, 5 to 45 percent slopes.* It is located about 1.5 miles northwest of Mount Guyot on the Mount Whitney 15' quadrangle. Elevation is approximately 10000 feet.

A--0 to 4 inches; brown (10YR 5/3) very cobbly loamy coarse sand, very dark grayish brown (10YR 3/2) moist; weak very fine and fine granular structure; soft, very friable, nonsticky and nonplastic; common very fine roots; common very fine interstitial pores; 25 percent pebbles, 15 percent cobbles, and 5 percent stones; clear wavy boundary.

AC--4 to 9 inches; pale brown (10YR 6/3) very gravelly loamy sand, brown (10YR 4/3) moist; weak fine subangular blocky structure; soft, very friable, nonsticky

and nonplastic; many very fine, common fine and few medium roots; common very fine and fine interstitial pores; 45 percent pebbles, 10 percent cobbles, and 4 percent stones; abrupt wavy boundary.

2Cx--9 to 27 inches; light gray (10YR 7/2) strong, dense and brittle hardpan; many medium prominent iron mottles; moderately difficult to break in hands; common very fine and fine roots on top of the pan surface.

Remarks: Depth to a hard and dense, root restricting pan ranges from 10 to 20 inches. Mottles are common in the pan.

Entic Xerumbrepts, sandy, mixed, frigid

This soil family consists of deep, excessively drained soils that formed in alluvium and morainal material from mixed granitic rock sources. They occur on glacial outwash and fluvial deposits. slopes are 5 to 15 percent.

Typically they have a moderately thick dark surface layer over a light colored sandy substratum.

Following is a profile description of a representative pedon (DW10) found in the map unit *101 Entic Xerumbrepts - Typic Xerumbrepts association, 5 to 25 percent slopes.* It is found in the Kern River Canyon on the east bank of the Kern River about 0.5 mile south of the confluence of Whitney Creek on the Mount Whitney 15' quadrangle. Elevation is approximately 7700 feet.

(The surface is covered by 20 percent pebbles, 5 percent cobbles, stones, and 1 percent boulders).

Oi--0.5 to 0 inches; conifer needles, cones, twigs, and bark fragments.

A1--0 to 6 inches; grayish brown (10YR 5/2) gravelly loamy sand, very grayish brown (10YR 3/2) moist; weak very fine granular structure; soft, very friable, nonsticky and nonplastic; common very fine and few fine roots; many very fine interstitial pores; 15 percent pebbles; clear smooth boundary.

A2--6 to 11 inches; grayish brown (10YR 5/2) gravelly loamy sand, very grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, few fine and medium roots; common very fine and few fine tubular pores; 20 percent pebbles; abrupt smooth boundary.

C1--11 to 26 inches; light brownish gray (10YR 6/2) gravelly loamy sand, brown (10YR 4/2) moist; weak fine and medium subangular block structure; soft, very friable, nonsticky and nonplastic; few fine, medium, and coarse roots; common very fine interstitial pores; 15 percent pebbles and 3 percent cobbles; gradual smooth boundary.

C2--26 to 45 inches; very pale brown (10YR 7/3) gravelly loamy sand, brown (10YR 5/3) moist; massive; soft, very friable, nonsticky and nonplastic; few very fine and fine roots; common very fine interstitial pores; 20 percent pebbles and 2 percent cobbles.

Remarks: These soils have textures of loamy sand and sand with 15 to 35 percent coarse fragments, mainly pebbles. The soil temperature taken at 20 inches on 8/8/88 was 59^0F.

Entic Xerumbrepts, sandy-skeletal, mixed, frigid

This soil family consists of deep, excessively drained soils that formed in colluvium and some morainal material weathered from granitic rock sources. They occur on alluvial fans overlying the Kern River Canyon valley floor. Slopes are complex and range from 10 to 25 percent.

Typically these soils have a moderately thick and dark surface layer over a light colored sandy and extremely cobbly substratum.

Following is a profile description of a representative pedon (DW11) found in the map unit *101 Entic Xerumbrepts - Typic Xerumbrepts association, 5 to 25 percent slopes.* It is located in the Kern River Canyon on the east bank of the Kern River less than 0.5 mile south of the confluence of Whitney Creek on the Mount Whitney 15' quadrangle. Elevation is approximately 7700 feet.

(The soil surface is covered by 10 percent pebbles, 20 percent cobbles, 10 percent stones, and 5 percent boulders).

A1--0 to 4 inches; dark grayish brown (10YR 4/2) extremely cobbly coarse sandy loam, very dark grayish brown (10YR 2/2) moist; weak very fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine and few fine roots; common very fine interstitial pores; 35 percent pebbles; 20 percent cobbles, and 10 percent stones; clear smooth boundary.

A2--4 to 11 inches; brown (10YR 5/3) extremely cobbly loamy sand, very dark grayish brown (10YR 3/2) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very, few fine and medium roots; common very fine and few fine interstitial pores; 50 percent pebbles, 20

percent cobbles, and 10 percent stones; clear wavy boundary.

AC--11 to 23 inches; pale brown (10YR 6/3) extremely cobbly loamy sand, brown (10YR 4/3) moist; massice; soft, very friable, nonsticky and nonplastic; common very fine, fine and medium roots; common very fine interstitial pores; 45 percent pebbles, 25 percent cobbles, 15 percent stones, and 10 percent boulders; clear wavy boundary.

C--23 to 41 inches; very pale brown (10YR 7/3) extremely cobbly loamy sand, brown (10YR 5/3) moist; single grained; loose, loose, nonsticky and nonplastic; weak very fine and fine roots; common very fine and fine interstitial pores; 40 percent pebbles, 25 percent cobbles, and 15 percent stones.

Remarks: These soils have textures of loamy sand, loamy coarse sand, and sand. The soil temperature taken at 20 inches on 8/8/88 was 62^0F.

Lithic Cryochrepts, loamy-skeletal, mixed

This soil family consists of very shallow and shallow, well drained soils that formed in colluvium and residuum weathered from granitic rock sources. They occur on glacially scoured basins and canyon walls often around Jointed granitic outcrops between rock joints, crevices and on rock ledges. Slopes are complex and range from 10 to 130 percent.

Typically they have a thin dark surface layer that overlies a moderately developed lighter colored and brighter chroma subsoil. In turn, these rest on hard granitic bedrock.

Following is a profile description of a representative pedon (DW13) found in the map unit *33 Jointed granitic outcrop - Lithic Cryochrepts complex, 15 to 45 percent slopes.* It is located in the Crabtree meadow area less than 0.5 mile east of the Crabtree Ranger Station on the Mount Whitney 15' quadrangle. Elevation is approximately 10900 feet.

Oi--1 to 0 inches; slightly decomposed conifer needles, twigs, and cones.

A--0 to 5 inches; brown (10YR 5/3) gravelly sandy loam, dark brown (10YR 3/3) moist; weak very fine subangular blocky and granular structure; soft, very friable, nonsticky and nonplastic; common very fine and few coarse roots; common very fine interstitial pores; 20 percent pebbles and 5 percent cobbles; clear wavy boundary.

Bw--5 to 17 inches; yellowish brown (10YR 5/4) very gravelly sandy loam, dark yellowish brown (10YR 3/4) moist; moderated fine and medium subangular blocky structure; few very fine, fine and coarse roots; common very fine interstitial and few fine tubular pores; 30 percent pebbles, 5 percent cobbles, and 10 percent stones; abrupt wavy boundary.

2R--17 inches; hard granodiorite.

Remarks: The textures of the particle size control section include sandy loam, coarse sandy loam, and some loamy sand. The rock fragments average 35 to 50 percent, largely pebbles. The soil temperature taken at 17 inches on 8/13/88 was 53^0F.

Lithic Cryopsamments, mixed

This soil family consists of very shallow and shallow, excessively drained soils that formed in colluvium and residuum weathered from granitic rock sources. They occur on cirque basins often between rock joints and crevices. Slopes are complex and range from 15 to 35 percent.

These soils are poorly developed. Typically they have a thin, slightly dark layer over a light colored subsoil. They in turn, rest on hard granitic bedrock.

Following is a profile description of a representative pedon (RA8) found in the map unit *37 Jointed granitic outcrop - Typic Cryorthents - Lithic Cryopsamments complex, 5 to 35 percent slopes.* It is located in the upper Wallace Creek drainage about 1 mile southwest of Wales Lake on the Mount Whitney 15' quadrangle. Elevation is approximately 11500 feet.

A--0 to 6 inches; yellowish brown (10YR 5/4) very stony loamy coarse sand, dark yellowish brown (10YR 3/4) moist; moderate fine and medium structure; soft, very friable, nonsticky and nonplastic; common very fine roots; common very fine interstitial pores; 20 percent pebbles, 10 percent cobbles, 15 percent stones, and 10 percent boulders; clear wavy boundary.

B--6 to 17 inches; light yellowish brown (10YR 6/4) cobbly coarse sand, dark yellowish brown (10YR 3/4) moist; single grained; loose, loose, nonsticky and nonplastic; few very fine roots; few very fine interstitial pores; 15 percent pebbles, 10 percent cobbles, and 5 percent stones; abrupt smooth boundary.

2R--17 to 21 inches; hard, jointed granitic rock.

Remarks: In the particle-size control section the textures include loamy coarse sand, coarse sand, and sand. The soil temperature taken at 17 inches on 8/7/88 at 12:00 p.m. was 53^{0}F.

Lithic Cryumbrepts, loamy-skeletal, mixed

This soil family consists of very shallow and shallow, well drained soils that formed in colluvium, residuum, and morainal material weathered from granitic rock sources. They occur on cirque basins. Slopes are complex and range from 10 to 30 percent.

Typically these soils are dark colored, resting on granitic rock. They have very friable consistence from constant frost freezing.

Following is a profile description of a representative pedon (DW15) found in the map unit *31 Jointed granitic outcrop Lithic Cryumbrepts complex, 10 to 30 percent slopes.* It is located west of Mount Whitney about 0.5 mile north of Hitchcock Lakes on the Mount Whitney 15' quadrangle. Elevation is approximately 11500 feet.

(The soil surface is covered by 10 percent pebbles, 25 percent cobbles, and 20 percent stones).

A1--0 to 2 inches; grayish brown (10YR 5/2) very cobbly coarse sandy loam, dark grayish brown (10YR 3/2) moist; moderate very fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine roots; common very fine interstitial and few fine tubular pores; 15 percent pebbles, 20 percent cobbles, and 20 percent stones; abrupt smooth boundary.

A2--2 to 4 inches; brown (10YR 5/3) very cobbly loam, dark brown (10YR 3/3) moist moderate very fine and fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine roots; common very fine

and few fine tubular pores; 20 percent pebbles, 10 percent cobbles, and 5 percent stones; abrupt smooth boundary.

A3--4 to 10 inches; yellowish brown (10YR 5/4) very cobbly sandy loam, dark brown (10YR 3/3) moist; many very fine roots; common very fine and few fine tubular pores; few faint distinct mottles on undersides of rock fragments; 15 percent pebbles, 15 percent and 5 percent stones; abrupt wavy boundary.

2R--10 inches; hard granodiorite.

Remarks: The particle size control textures include sandy loam and loam. Rock fragments average 35 to 50 percent.

Lithic Mollic Haploxeralfs, loamy-skeletal, mixed, frigid

This soil family consists of shallow, somewhat excessively drained soils that formed from colluvium and residuum weathered from granitic rock sources. They occur on sideslopes of the Kern River Canyon on mainly west facing aspects. Slopes are complex and range from 45 to 75 percent.

Typically the soils are dark colored and have a moderately developed subsoil. The soils rest on hard granitic rock.
Following is a profile description of a representative pedon (DW8) found in the map unit *140 Lithic Mollic Haploxeralfs - Jointed granitic outcrop - Granitic talus complex, 45 to 75 percent slopes.* It is located in the Kern River Canyon about 2 miles west of Crabtree Meadow on the Mount Whitney 15' quadrangle. Elevation is approximately 8300 feet.

Oi--0.5 to 0 inches; manzanita leaves and twigs.

A1--0 to 2 inches; dark grayish brown (10YR 4/2) very cobbly sandy loam, very dark brown (10YR 2/2) moist; weak very fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine and few fine roots; common very fine interstitial pores; 15 percent pebbles, 20 percent cobbles, and 5 percent stones; abrupt wavy boundary.

A2--2 to 8 inches; brown (10YR 5/3) very cobbly sandy loam, dark brown (10YR 3/2) Moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine and few coarse roots; common very fine interstitial and few fine tubular pores; 30 percent pebbles, 20 percent cobbles, and 5 percent stones; clear wavy boundary.

Bt--8 to 18 inches; brown (10YR 5/3) extremely cobbly sandy loam, dark brown (10YR 3/3) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky and slightly plastic; common very fine, fine and coarse roots; common very fine and fine tubular pores; common thin clay films on ped faces and lining pores; 45 percent pebbles, 25 percent cobbles, and 7 percent stones; abrupt wavy boundary.

2R--18 to 22 inches; hard, slightly fractured granitic rock.

Remarks: The particle-size control section textures include sandy loam, coarse sandy loam, and loam. The soil temperature taken at 18 inches on 8/7/88 was 62^0F.

Lithic Xerumbrepts, loamy-skeletal, mixed, frigid

This soil family consists of very shallow and shallow to granitic rock, somewhat excessively drained soils that formed in colluvium and residuum from granitic rock sources. They occur on the Kern River Canyon sideslopes, mainly on west aspects between rock joints, crevices, and ledges. Slopes are complex and range from 45 to 150 percent.

Typically these soils have dark colored, very cobbly coarse textured layers over granitic rock.

Following is a profile description of a representative pedon (DW 7) found in the map unit *30 Jointed Granitic Outcrop - Lithic Xerumbrepts Complex, 45 to 150 percent slopes.* It is located in the Kern River Canyon about 1.5 miles west of the lower Crabtree Meadows on the Mount Whitney 15' quadrangle. Elevation is approximately 9400 feet.

Oi--4 to 2 inches; slightly decomposed conifer needles, twigs, and cones.

Oe--2 to 0 inches; moderately decomposed conifer litter.

A1--0 to 3 inches; dark grayish brown (10YR 4/2) very stony sandy loam, very dark grayish brown (10YR 3/2) moist; moderate fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine and common fine roots; common very fine interstitial pores; 10 percent pebbles, 10 percent cobbles, and 15 percent stones; clear wavy boundary.

A2--3 to 8 inches; brown (10YR 5/3) very cobbly coarse sandy loam, dark brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure; soft, very

friable, nonsticky and nonplastic; common very fine, medium and coarse roots; common very fine and fine tubular pores; 15 percent pebbles, 15 percent cobbles, and 10 percent stones; abrupt smooth boundary.

R--8 to 12 inches; hard, slightly fractured granodiorite.

Remarks: The soil temperature taken at 8 inches on 8/7/88 was 60^0F.

Typic Cryaquepts, coarse-loamy, mixed

This soil family consists of deep, somewhat poorly and poorly drained soils that formed in alluvium and some colluvium weathered from granitic rock sources. They occur on lower parts of glacial basins on drainageways and glacial outwash deposits. Slopes range from 5 to 15 percent.

Typically they have a thin dark colored surface that is high in organic matter. It overlies a stratified, highly mottled substratum.

Following is a profile description of a representative pedon (RA2) found in the map unit *174 Dystric Cryochrepts - Typic Cryaquepts complex, 5 to 15 percent slopes.* It is located in Sandy Meadow about 1.5 miles west of the Crabtree Ranger Station on the Mount Whitney 15' quadrangle. Elevation is approximately 10500 feet.

Oa--1 to 0 inches; very dark brown (10YR 2/2) gritty muck; structureless; held together by a thick sod of many very fine and fine roots; abrupt wavy boundary.

A--0 to 4 inches; grayish brown (10YR 5/2) silt loam, very dark brown (10YR 2/2) moist; strong very fine and fine granular structure; soft, very friable, nonsticky

and slightly plastic; many very fine and fine roots; many very fine, fine and medium interstitial pores; abrupt wavy boundary.

Ag--4 to 9 inches; light brownish gray (10YR 6/2) silt loam, very dark grayish brown (10YR 3/2) moist; strong very fine and fine granular structure; slightly hard, very friable, nonsticky and slightly plastic; many very fine and fine roots; common very fine and fine interstitial pores; common medium distinct dark brown (7.5YR 3/4) iron mottles (moist); clear wavy boundary.

Cg--9 to 14 inches; light brownish gray (10YR 6/2) silt loam, dark grayish brown (10YR 4/2) moist; medium fine and medium subangular blocky structure; hard, very friable, slightly sticky and slightly plastic; common very fine and fine roots; common very fine and fine interstitial pores; common distinct prominent yellowish red (5YR 4/6) iron mottles (moist); abrupt wavy boundary.

2Cg--14 to 18 inches; light yellowish brown (2.5Y 6/4) loam, olive brown (2.5Y 4/4) moist; weak medium and coarse platy structure; slightly hard, very friable, sticky and plastic; common very fine roots; few very fine and fine interstitial pores; many medium prominent dark gray (10YR 4/1) mottles (moist); 10 percent pebbles; abrupt wavy boundary.

3Cg--18 to 47 inches; light gray (10YR 7/1) sandy loam, gray (10YR 5/1) moist; massive; slightly hard, very friable, slightly sticky and nonplastic; few very fine roots; few very fine and fine interstitial pores; common medium prominent reddish brown (2.5YR 5/4) iron mottles (moist).

Remarks: The particle-size control section averages 8 to 18 percent clay with textures of silt loam to coarse sandy loam. It has more than 15 percent with particles of fine sand or coarser. The soil temperature taken at 20 inches on 8/2/88 at 11:00 a.m. was 48^0F.

Typic Cryofluvents, sandy-skeletal, mixed

This soil family consists of deep, somewhat poorly drained soils that formed in alluvium and morainal material from mixed granitic rock sources. They occur on glacial outwash deposits and drainage-ways. Slopes range from nearly level to 5 percent.

Typically these soils have stratified layers of very gravelly coarse sand over a dense, compacted substratum.

Following is a profile description of a representative pedon (DW6) found in the map unit *171 Dystric Cryochrepts - Typic Cryofluvents - Aeric Cryaquepts complex, 0 to 30 percent slopes.* It is located in Guyot Flat, an area about 0.5 mile north of Mount Guyot on the Mount Whitney 15' quadrangle. Elevation is approximately 10600 feet.

A1--0 to 3 inches; grayish brown (10YR 5/2) very gravelly loamy coarse sand, dark brown (10YR 3/3) moist; weak very fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine roots; common very fine interstitial pores; 45 percent pebbles; clear smooth boundary.

A2--3 to 11 inches; brown (10YR 5/3) very gravelly loamy coarse sand, dark brown (10YR 3/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; few very fine

roots; common very fine interstitial pores; 35 percent pebbles; abrupt smooth boundary.

2C--11 to 15 inches; pale brown (10YR 6/3) very gravelly coarse sand, dark yellowish brown (10YR 4/4) moist; common medium prominent strong brown (10YR 4/6) iron mottles; massive; slightly hard, loose, nonsticky and nonplastic; few very fine roots; many very fine interstitial pores; 40 percent pebbles; abrupt smooth boundary.

3C--15 to 35 inches; very pale brown (10YR 7/3) very gravelly coarse sand, brown (10YR 5/3) moist; many medium prominent yellowish red (5YR 4/6) iron mottles; massive; hard, loose, nonsticky and nonplastic; common very fine interstitial pores; 55 percent pebbles.

Remarks: A thin irregular thickness (0.75 inch average thickness) of silt loam was found at 28 inches. It was slightly sticky, nonplastic, and highly mottled. Depth to a root restricting, dense layer ranges from 10 to 20 inches. The coarse fragments are mainly small pebbles. Very sparse vegetation consisting of low growing plants such as buckwheat grasses and sedges grow on these soils. The soil temperature taken at 20 inches on 8/5/88 was 59^0F.

Typic Cryopsamments, mixed

This soil family consists of moderately deep and deep, excessively drained soils that formed in alluvium and colluvium from granitic rock sources. They occur on dissected alluvial fans and lower mountain sideslopes. Slopes are complex and range from 10 to 35 percent.

These soils are poorly developed. They consist of a slightly darkened surface layer overlying a light colored substratum.

Following is a profile description of a representative pedon (DW1) found in the map unit *160 Typic Cryopsamments complex, 10 to 60 percent slopes.* It is located 1 mile north of Guyot Flat and 1 mile south of Crabtree Meadow, on the Mount Whitney 15' quadrangle. Elevation is approximately 10700 feet.

A1--0 to 3 inches; brown (10YR 5/3) very gravelly loamy coarse sand, dark brown (10YR 3/3) moist; weak fine granular structure; soft, very friable, nonsticky and nonplastic; few very fine and fine roots; common very fine interstitial pores; 50 percent pebbles; abrupt smooth boundary.

A2--3 to 7 inches; pale brown (10YR 6/3) extremely gravelly coarse sand, brown (10YR 4/3) moist; single grained; loose, nonsticky and nonplastic; common very fine roots, common very fine interstitial pores; 65 percent pebbles; abrupt wavy boundary.

AC--7 to 22 inches; pale brown (10YR 6/3) gravelly coarse sand, brown (10YR 5/3) moist; single grained; few very fine interstitial pores; 15 percent pebbles; abrupt wavy boundary.

C--22 to 41 inches; light grayish brown (10YR 6/4) gravelly loamy sand, dark yellowish brown (10YR 4/4) moist; massive; slightly hard, loose, nonsticky and nonplastic; common fine and few coarse roots; common very fine interstitial pores; 25 percent pebbles and 2 percent cobbles.

Remarks: The particle-size control section textures include loamy coarse sand, loamy sand, coarse sand, and sand. Rock fragments average 15 to 35 percent, mainly pebbles. The soil temperature taken at 20 inches on 8/3/88 was 56^{0}F.

Typic Cryorthents, sandy-skeletal, mixed

This soil family consists of moderately deep and deep, excessively drained soils that formed in colluvium and morainal material weathered from granitic rock sources. They occur on glaciated and unglaciated mountain sideslopes, overlying felsenmeer, moraines and glacial dumps. Slopes are commonly complex and range from 5 to 75 percent.

These soils show little development. Typically they have a thin dark surface layer over a light colored, higher chroma substratum.

Following is a profile description of a representative pedon (DW5) found in the map unit *12 Typic Cryorthents - Jointed granitic outcrop complex, 45 to 75 percent slopes.* It is located near the lower Crabtree Meadows about 1 mile south of Sandy Meadow on the Mount Whitney 15' quadrangle. Elevation is approximately 10200 feet.

Oi--0.5 to 0 inches; slightly decomposed conifer needles, twigs, and cones.

A--0 to 5 inches; grayish brown (10YR 5/2) very stony coarse sand, very dark grayish brown (10YR 3/2) moist; weak subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine roots; common very fine interstitial pores; 35 percent pebbles, 10 percent cobbles, and 14 percent stones; clear wavy boundary.

AC--5 to 10 inches; light yellowish gray (10YR 6/4) extremely gravelly coarse sand, brown (10YR 4/3) moist; single grained; loose, loose, nonsticky and nonplastic; many very fine and few fine roots; common very fine interstitial pores; 50 percent pebbles, 5

percent cobbles, and 10 percent stones; abrupt wavy boundary.

C--10 to 44 inches; very pale brown (10YR 7/3) extremely stony coarse sand, yellowish brown (10YR 5/4) moist; single grained; loose, loose, nonsticky and nonplastic; common very fine and few medium and coarse roots; few very fine interstitial pores; 40 percent pebbles, 15 percent cobbles, and 20 percent stones.

Remarks: In the particle-size control section the textures include coarse sand, sand, loamy coarse sand, and loamy sand. Most of these soils have a thin AC horizon. The soil temperature taken at 20 inches on 8/5/88 was 57°F.

Typic Xerumbrepts, loamy-skeletal, mixed, frigid

This soil family consists of moderately deep and deep, somewhat excessively drained soils that formed in colluvium from granitic rock sources. They occur on alluvial fans and lower sideslopes of the Kern River Canyon. Slopes are complex and range from 10 to 45 percent slopes.

Typically these soils have a thick dark surface layer on top of a higher chroma subsoil. In turn the subsoil rests on a light colored substratum.

Following is a profile description of a representative pedon (RA15) found in the map unit *101 Entic Xerumbrepts - Typic Xerumbrepts complex, 5 to 25 percent slopes.* It is located in the Kern River Canyon about 1 mile south of Junction Meadow on the Mount Whitney 15' quadrangle. Elevation is approximately 8100 feet.

Oi--1 to 0 inches; slightly decomposed conifer needles, twigs, and cones.

A--0 to 10 inches; grayish brown (10YR 5/2) grayish brown very cobbly coarse sandy loam, very dark grayish brown (10YR 3/2) moist; moderate very fine and fine granular structure; soft, very friable, nonsticky and nonplastic; common very fine and fine and few medium and coarse roots; few very fine, fine and medium interstitial pores; 20 percent pebbles, 15 percent cobbles, 10 percent stones, and 5 percent boulders; abrupt wavy boundary.

Bw--10 to 18 inches; yellowish brown (10YR 5/4) very cobbly coarse sandy loam, dark yellowish brown (10YR 3/4) moist; moderate fine and medium subangular blocky structure; soft very friable, nonsticky and nonplastic; common very fine, fine and medium roots; common very fine and fine interstitial pores; 20 percent pebbles, 20 percent cobbles, 10 percent stones, and 5 percent boulders; clear wavy boundary.

C1--18 to 40 inches; light brownish gray (10YR 6/2) very stony loamy coarse sand, yellowish brown (10YR 5/4) moist; single grained; loose, loose, nonsticky and nonplastic; few fine and medium roots; few very fine and fine interstitial pores; 20 percent pebbles, 10 percent cobbles, 20 percent stones, and 5 percent boulders.

Remarks: Textures in the particle size control section include coarse sandy loam, sandy loam, loam, and a small amount of loamy coarse sand. The soil temperature taken at 20 inches on 8/13/88 was 62^{0}F.

Ultic Haploxeralfs, loamy-skeletal, mixed, frigid

This soil family consists of moderately deep and deep, somewhat excessively drained soils that formed in colluvium mainly from granite and granodiorite rock. They occur on sideslopes of the Kern River Canyon. Slopes are complex and range from 30 to 45 percent.

These soils have a moderately thick dark surface layer resting on top of a moderately developed and higher chroma subsoil.

Following is a profile description of a representative pedon (RA16) found in the map unit *200 Ultic Haploxeralfs - Granitic talus - Jointed granitic outcrop complex, 30 to 45 percent slopes.* It is located in the Kern River Canyon about 0.75 miles south southeast of Junction Meadow on the Mount Whitney 15' quadrangle. Elevation is approximately 8600 feet.

Oi--0.5 to 0 inches; slightly decomposed conifer needles, twigs, and bark.

A--0 to 10 inches; dark gray (10YR 4/1) extremely bouldery coarse sandy loam, very dark gray (10YR 3/1) moist; weak fine and medium subangular blocky parting to fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine, fine and medium roots; many very fine, fine and medium tubular pores; 10 percent pebbles, 20 percent cobbles, 20 percent stones, and 20 percent boulders; abrupt irregular boundary.

Bt--10 to 18 inches; yellowish brown (10YR 5/4) extremely stony coarse sandy loam, dark yellowish brown (10YR 3/4) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, slightly sticky and

slightly plastic; many very fine and fine roots; many very fine, fine and medium tubular pores; few thin clay films on ped faces; 20 percent pebbles, 20 percent cobbles, 20 percent stones, and 15 percent boulders; abrupt irregular boundary.

C1--18 to 24 inches; light yellowish brown (10YR 6/4) extremely stony coarse sandy loam, brown (10YR 5/3) moist; massive; soft, very friable, nonsticky and nonplastic; common very fine and few medium and coarse roots; few very fine, fine and medium interstitial pores; 16 percent cobbles, and 20 percent gravels; abrupt irregular boundary.

C2--24 to 28 inches; interlocking granitic cobbles, and stones; coarse sandy loam soil material in the interstices; 10 percent cobbles, and 20 percent gravels.

Remarks: The particle-size control section textures include coarse sandy loam or sandy loam and clay content between 12 to 20 percent. Rock fragments average over 50 percent. About half of the soil surface is covered by a 1 to 3 cm. layer of plant litter. The soil temperature taken at 50 cm. on 8/14/88 at 1:00 p.m. was 67^{0}F.

TABLE 3-S

MAP UNIT LEGEND
KERN CANYON STUDY AREA
Sequoia National Park

SYMBOL	MAP UNIT NAME
11	Typic Cryorthents complex, 15 to 75 percent slopes
12	Typic Cryorthents - Jointed granitic outcrop complex, 45 to 75 percent slopes
13	Typic Cryorthents complex, 15 to 75 percent slopes
14	Typic Cryorthents - Rubbleland complex, 15 to 45 percent slopes
16	Typic Cryorthents - Rubbleland - Jointed granitic outcrop complex, 15 to 45 percent slopes
17	Typic Cryorthents - Jointed granitic outcrop complex, 15 to 45 percent slopes
19	Typic Cryorthents - Jointed granitic outcrop - Granitic talus complex, 45 to 75 percent slopes
30	Jointed granitic outcrop - Lithic Xerumbrepts complex 45 to 150 percent slopes
31	Jointed granitic outcrop - Lithic Cryumbrepts complex, 10 to 30 percent slopes
32	Jointed granitic outcrop - Typic Cryorthents - Lithic Cryochrepts complex, 10 to 45 percent slopes
33	Jointed granitic outcrop - Lithic Cryochrepts complex, 15 to 45 percent slopes
34	Jointed granitic outcrop - Typic Cryorthents - Granitic talus complex, 45 to 75 percent slopes
35	Jointed granitic outcrop - Granitic talus complex, 45 to 130 percent slopes
36	Jointed granitic outcrop - Lithic Cryochrepts - Typic Xerumbrepts complex, 30 to 130 percent slopes
37	Jointed granitic outcrop - Typic Cryorthents - Lithic Cryopsamments complex, 5 to 35 percent slopes

MAP UNIT LEGEND, Continued

SYMBOL	MAP UNIT NAME
38	Jointed granitic outcrop - Lithic Cryopsamments - Typic Cryorthents complex, 20 to 70 percent slopes
101	Entic Xerumbrepts - Typic Xerumbrepts association, 5 to 25 percent slopes
140	Lithic Mollic Haploxeralfs - Jointed granitic outcrop - Granitic talus complex, 45 to 75 percent slopes
160	Typic Cryopsamments complex, 10 to 60 percent slopes
170	Dystric Cryochrepts association, 5 to 45 percent slopes
171	Dystric Cryochrepts - Typic Cryofluvents - Aeric Cryaquepts complex, 0 to 30 percent slopes
172	Dystric Cryochrepts - Typic Cryaquepts complex, 5 to 20 percent slopes
173	Dystric Cryochrepts - Typic Cryorthents complex, 10 to 30 percent slopes
174	Dystric Cryochrepts - Typic Cryaquepts complex, 5 to 15 percent slopes
176	Dystric Cryochrepts - Aeric Cryaquepts - Jointed granitic outcrop complex, 0 to 25 percent slopes
180	Felsenmeer - Typic Cryorthents - Jointed granitic outcrop complex, 25 to 65 percent slopes
191	Rubbleland - Typic Cryorthents complex, 15 to 35 percent slopes
200	Ultic Haploxeralfs - Granitic talus - Jointed granitic outcrop complex, 30 to 45 percent slopes
W	Lakes and Other Water Bodies

MAP UNITS OF THE KERN CANYON STUDY AREA

DESCRIPTIONS OF MAP UNITS

11 Typic Cryorthents complex, 15 to 75 percent slopes

This map unit occurs on mountain sideslopes and moraines. Slopes are complex. This map unit has two primary components.

50% Typic Cryorthents, sandy-skeletal, mixed, 45 to 75 percent slopes
35% Typic Cryorthents, sandy-skeletal, mixed, 15 to 45 percent slopes

The Typic Cryorthents are deep, excessively drained soils that occur on steep glaciated and unglaciated mountain sideslopes and on moraines. Typically the soil surface is covered by about 70 percent rock fragments. On the glaciated areas, the rock fragments have a mixed size range. On the unglaciated areas, the rock fragments are dominated by pea-size pebbles. The second Typic Cryorthents are deep, somewhat excessively drained soils that occur on gently sloping moraines.

Vegetative cover is mostly foxtail pine with very little understory plants.

There are two inclusions in this map unit.

10% Typic Cryorthents, sandy-skeletal, mixed, 0 to 10 percent slopes
5% Dystric Cryochrepts, sandy-skeletal, mixed, 5 to 20 percent slopes

The Typic Cryorthents are similar to the secondary component except they have fewer rock fragments on the surface and the upper part of their profiles are mainly loamy sands. The Dystric Cryochrepts are moderately deep to a dense and brittle hardpan, excessively drained soils that occur on more stable landscapes.

12 Typic Cryorthents - Jointed granitic outcrop complex, 45 to 75 percent slopes

This map unit is on moraines along the lower part of Whitney Creek. The unit is composed of two components.

70% Typic Cryorthents, sandy-skeletal, mixed, 45 to 75 percent slopes
20% Jointed granitic outcrop

The Typic Cryorthents are mostly deep, somewhat excessively drained soils that occur on sideslopes of lateral moraines. However, they are moderately deep on shoulders of the moraine and near rock outcrops. Typically the soil surfaces are covered by 50 percent rock fragments, mostly pebbles and cobbles, and about 30 percent plant litter.

Vegetative cover is scattered lodgepole pine and foxtail pine with very little understory plants.

There are three inclusions in the map unit.

4% Rubbleland (glacial)
3% Cryofluvents, 5 to 15 percent slopes
3% Lithic Cryochrepts, sandy-skeletal, mixed

The Cryofluvents are located near Whitney Creek. They are deep, somewhat poorly and poorly drained soils that are covered by subalpine meadow vegetation. The Lithic Cryochrepts are shallow,

excessively drained soils that occur near the Jointed granitic outcrops.

13 Typic Cryorthents complex, 15 to 75 percent slopes

This map unit is on sideslopes on mountains and glacial valley plateaus. This unit is composed of three components.

40% Typic Cryorthents, sandy-skeletal, mixed, 30 to 45 percent slopes
25% Typic Cryorthents, sandy-skeletal, mixed, 45 to 75 percent slopes, extremely bouldary
25% Typic Cryorthents, sandy-skeletal, mixed, 15 to 30 percent slopes, (moderately deep to a hardpan)

The first component are deep, excessively drained soils that occur on the lower and middle sideslopes of mountains. Typically the soil surfaces have 50 percent rock fragments dominated by cobbles, stones, and pebbles.

The second component are deep, excessively drained soils that occur on the upper sideslopes of mountains. Typically they have 70 percent rock fragments on the surface with boulders and stones dominating.

The third component are moderately deep to a hardpan, excessively drained soils that occur on undulating glacial valley plateaus.

Vegetative cover is scattered lodgepole and foxtail pines with very little understory.

There are four inclusions in this map unit.

5% Granitic talus
3% Cryaquepts, 5 to 15 percent slopes

1% Jointed granitic outcrop
1% Felsenmeer

The Cryaquepts are deep, somewhat poorly drained soils that occur around seeps covered by subalpine meadow vegetation.

14 Typic Cryorthents - Rubbleland complex, 15 to 45 percent slopes

This map unit is on upper areas of glacially scoured basins near treeline. Slopes are complex. The unit is composed of two components.

60% Typic Cryorthents, sandy-skeletal, mixed, 15 to 45 percent slopes
25% Rubbleland (glacial)

The Typic Cryorthents are deep, somewhat excessively drained soils that occur in between rock outcrop, commonly in slightly concave positions. A similar soil that is moderately well drained are in depressions between rock outcrops covered by sedges and small grasses.

Vegetative cover is lodgepole pine with about 10 percent canopy cover. The understory is sparse.

Included in this map unit are two inclusions.

10% Jointed granitic outcrop
5% Cryofluvents, 0 to 10 percent slopes

The Cryofluvents are somewhat poorly and poorly drained soils that occur around seeps, springs and creeks and are covered by subalpine vegetation.

16 Typic Cryorthents - Rubbleland - Jointed granitic outcrop complex, 15 to 45 percent slopes

The map unit is on moraines and scoured glacial basin floors. It is extremely bouldary. The unit is composed of three components.

45% Typic Cryorthents, sandy-skeletal, mixed, 15 to 45 percent slopes
25% Rubbleland (glacial)
20% Jointed granitic outcrop

The Typic Cryorthents are mostly deep, somewhat excessively drained soils that occur on sideslopes of lateral moraines. Typically they are covered by 75 percent rock fragments, dominated by stones and boulders.

Vegetative cover is lodgepole and foxtail pines. Some individual western juniper trees occur on warmer, drier and more exposed areas. The plant cover averages 5 to 15 percent. Understory plants are sparse.

There are two inclusions in this map unit.

5% Granitic talus
5% Lithic Cryumbrepts

The Lithic Cryumbrepts are shallow and skeletal soils around rock outcrops.

17 Typic Cryorthents - Jointed granitic outcrop complex, 15 to 45 percent slopes

This map unit is on mountain sideslopes and ridges. Slopes are complex. It is composed of two components.

75% Typic Cryorthents, sandy-skeletal, mixed, 15 to 45 percent slopes

15% Jointed granitic outcrop

The Typic Cryorthents are mainly deep, excessively drained soils that occur on mostly unglaciated mountain sideslopes and ridges. Typically they are covered by about 80 percent rock fragments, dominated by boulders.

Vegetative cover is mostly foxtail pine with a sparse understory of sedges and herbs. Some lodgepole pines occur on lower elevations. The plant cover is about 5 to 10 percent. Litter cover is less than 10 percent.

There are two inclusions in this map unit.

5% Felsenmeer

5% Granitic talus

Some of the felsenmeer have under 10 percent soil material between the interspaces and overlying the surface. The material is made of coarse sands and pebbles.

19 Typic Cryorthents - Jointed granitic outcrop - Granitic talus complex, 45 to 75 percent slopes

This map unit is on sidewalls of glacially scoured basins. Slopes are complex. The unit is composed of three components.

40% Typic Cryorthents, sandy-skeletal, mixed, 45 to 75 percent slopes

25% Jointed granitic outcrop

25% Granitic talus

The Typic Cryorthents are mostly deep, excessively drained soils that occur near rock outcrops. Typically they are covered by 60 percent rock fragments, dominated by stones and boulders.

Vegetative cover is scattered lodgepole pine and foxtail pine with very little understory.

There are two inclusions in this map unit.

5% Rubbleland (glacial)
5% Lithic Cryumbrepts, loamy-skeletal, mixed

The Lithic Cryumbrepts are shallow, well drained soils that occur near rock outcrops.

30 Jointed Granitic outcrop - Lithic Xerumbrepts complex, 45 to 150 percent slopes

This map unit is sidewalls of the Kern Canyon. Slopes are complex. The unit is composed of two components.

70% Jointed granitic outcrop
15% Lithic Xerumbrepts, loamy-skeletal, mixed, frigid, 45 to 150 percent slopes

The Jointed granitic outcrops are sparsely jointed granodiorite and some granite. The Lithic Xerumbrepts are very shallow and shallow to granitic rock, well drained soils that occur between rock joints, crevices, and on ledges. The aspects are primarily westerly. Typically they are covered by 75 percent rock fragments, dominated by pebbles.

Vegetative cover is mostly western juniper, Jeffrey pine, manzanita and chinquapin. Also there are a few little foxtail and lodgepole pines. Understory plants cover about 15 percent.

31 Jointed granitic outcrop - Lithic Cryumbrepts complex, 10 to 30 percent slopes

This map unit is on cirque basin floors, benches, and lower sidewalls above treeline. Slopes are complex. The unit is composed of two components.

60% Jointed granitic outcrop
30% Lithic Cryumbrepts, loamy-skeletal, mixed, 10 to 30 percent slopes

The Lithic Cryumbrepts are very shallow and shallow, well drained soils that occur on cirque basin floors, benches, and lower side walls. Typically they are covered by 45 percent fragments, dominated by cobbles and stones. This soil is subject to nearly continuous frost action and are very friable and fluffy.

Vegetative cover are low growing alpine plants such as sedges, grasses, buckwheats, pussypaws, and Indian paintbrush. Protected areas behind rocks sometimes have currants and willow.

There is one inclusion in this map unit.

10% Typic Cryaquepts, 0 to 10 percent slopes

Typic Cryaquepts are poorly and very poorly drained soils that occur near seeps and in depressions near water. They have alpine meadow vegetation.

32 Jointed granitic outcrop - Typic Cryorthents - Lithic Cryochrepts complex, 10 to 45 percent slopes

This map unit is on scoured glacial basins and moraines. Slopes are complex, often forming a series of benches. The unit is composed of three components.

35% Jointed granitic outcrop
30% Typic Cryorthents, sandy-skeletal, mixed, 15 to 45 percent slopes
20% Lithic Cryochrepts, loamy-skeletal, mixed, 10 to 30 percent slopes

The Jointed granitic outcrops are frequently jointed at right angles and form a bench-basin landscape. The Typic Cryorthents are moderately deep and deep, excessively drained soils that occur on moraines and depressions between rock outcrops. The Lithic Cryochrepts are very shallow and shallow, well drained soils that occur between rock joints and crevices and ledges.

Vegetative cover is a mixture of lodgepole and foxtail pines with very little understory plants.

There are two inclusions in this map unit.

10% Typic Cryorthents, sandy-skeletal, mixed, 5 to 15 percent slopes
5% Aeric Cryaquepts, 0 to 10 percent slopes

The Typic Cryochrepts are moderately deep to a hardpan, well drained and moderately well drained soils that occur in depressions. The Aeric Cryaquepts are somewhat poorly drained soils that occur along drainages and closed basins.

33 Jointed granitic outcrop - Lithic Cryochrepts complex, 15 to 45 percent slopes

This map unit is on glacially scoured basins. Slopes are complex. The unit is composed of two components.

70% Jointed granitic outcrop

20% Lithic Cryochrepts, loamy-skeletal, mixed, 15 to 45 percent slopes

The Jointed granitic outcrops are sparsely jointed mainly granodiorite. The Lithic Cryochrepts are very shallow and shallow, well drained soils that occur between rock joints and crevices and on ledges. Typically they are covered by 50 percent rock fragments, dominated by pebbles.

Vegetative cover is a mixture of lodgepole and foxtail pines with very few understory components.

There is one inclusion in this map unit.

10% Typic Cryorthents, sandy-skeletal, mixed, 15 to 45 percent slopes

They are moderately deep and deep, excessively drained soils that occur on slightly concave areas below rock outcrops.

34 Jointed granitic outcrop - Typic Cryorthents - Granitic talus complex, 45 to 75 percent slopes

This map unit is on scoured glacial basins and moraines. Slopes are complex. The unit is composed of three components.

30% Jointed granitic outcrop
30% Typic Cryorthents, sandy-skeletal, mixed, 45 to 75 percent slopes
30% Granitic talus

The Jointed granitic outcrops are sparsely jointed granodiorite and some granite. Typic Cryorthents are deep, excessively drained soils that occur on lateral moraines. They are covered by 20 to 60 percent boulders.

Vegetative cover is scattered lodgepole and foxtail pines with very little understory plants.

There are two inclusions in this map unit.

7% Rubbleland (glacial)
3% Lithic Cryorthents, sandy-skeletal, mixed, 55 to 75 percent slopes

The Lithic Cryorthents are very shallow and shallow, excessively drained soils that occur near rock outcrops.

35 Jointed granitic outcrop - Granitic talus complex, 45 to 130 percent slopes

This map unit is on headwalls of cirque basins. slopes are complex. The area is above treeline. The unit is composed of two components.

50% Jointed granitic outcrop
40% Granitic talus

The Jointed granitic outcrops are mainly granodiorite and some granite. They occur mostly on slopes greater than 50 percent. The granitic talus is made of mostly stones and boulders.

Vegetative cover is of herbs and low growing alpine plants such as buckwheats, pussypaws, and mountain heather.

There is one inclusion in this map unit.

10% Typic Cryorthents, sandy-skeletal, mixed, 30 to 60 percent slopes

They are moderately deep and deep, excessively drained soils that occurs in between rocks on talus.

36 Jointed granitic outcrop - Lithic Cryochrepts - Typic Xerumbrepts complex, 30 to 130 percent slopes

This map unit is on canyon walls of the Kern River Canyon and lower Wallace Creek drainage. Slopes are complex. The unit is composed of three components.

50% Jointed granitic outcrop
20% Lithic Cryochrepts, loamy-skeletal, mixed, 45 to 130 percent slopes
15% Typic Xerumbrepts, loamy-skeletal, mixed, frigid, 30 to 45 percent slopes

The Lithic Cryochrepts are very shallow and shallow, well drained soils that occur on cooler areas (north and east aspects and higher elevations) often around Jointed granitic outcrop. The Typic Xerumbrepts are moderately deep to deep to hard granitic rock, somewhat excessively drained soils that occur on warmer areas (south and west aspects and lower elevations) on the lower canyon walls by granitic talus.

Vegetative cover is mostly Jeffrey, lodgepole and foxtail pines with small scattered western juniper on the drier, harsher sites.

Shrub cover is 10 to 50 percent and includes manzanita, ceanothus, and chinquapin.

There are two inclusions in this map unit.

10% Granitic talus
5% Lithic Cryorthents, sandy-skeletal, mixed

The Lithic Cryorthents are shallow, excessively drained soils that occur around granitic outcrops.

37 Jointed granitic outcrop - Typic Cryorthents - Lithic Cryopsammments complex, 5 to 35 percent slopes

This map unit is on cirque basins and moraines above treeline. Slopes are complex. The unit is composed of three components.

50% Jointed granitic outcrop
25% Typic Cryorthents, sandy-skeletal, mixed, 5 to 20 percent slopes
15% Lithic Cryopsammments, mixed, 15 to 35 percent slopes

The Typic Cryorthents are moderately deep, excessively drained soils that occur on moraines and glacial dumps. The Lithic Cryopsammments are very shallow and shallow, excessively drained soils that occur between rock joints and crevices. Typically both of these soils are covered by about 55 percent rock fragments. Vegetative cover includes alpine plants such as buckwheat, pussypaws, and mountain heather.

There is one inclusion in this map unit.

5% Typic Cryaquepts, 0 to 10 percent slopes

The Typic Cryaquepts are somewhat poorly and poorly drained soils that occur near seeps and drainages.

38 Jointed granitic outcrop - Lithic Cryopsammments - Typic Cryorthents complex, 20 to 70 percent slopes

This map unit is on cirque basins, moraines, and sidewalls above treeline. Slopes are complex. The unit is composed of three components.

45% Jointed granitic outcrop

30% Lithic Cryopsamments, mixed, 35 to 70 percent slopes

15% Typic Cryorthents, sandy-skeletal, mixed, 20 to 40 percent slopes

The Lithic Cryopsamments are very shallow and shallow to granitic rock, excessively drained soils that occur in between rock joints and crevices and on ledges. The Typic Cryorthents are mostly moderately deep, excessively drained soils that occur on slightly concave positions below rock outcrops and on moraines.

Vegetative cover includes low growing alpine plants such as buckwheat, pussypaws, and mountain heather.

There are two inclusions in this map unit.

7% Rubbleland (glacial)

3% Surface water

101 Entic Xerumbrepts - Typic Xerumbrepts association, 5 to 25 percent slopes

This map unit is on the floor of the Kern River Canyon. Slopes are complex. The unit has three primary components.

50% Entic Xerumbrepts, sandy-skeletal, mixed, frigid, 10 to 25 percent slopes

20% Typic Xerumbrepts, loamy-skeletal, mixed, frigid, 10 to 25 percent slopes

15% Entic Xerumbrepts, sandy, mixed, frigid, 5 to 15 percent slopes

The first component are deep, excessively drained soils that occur on alluvial fans overlying the canyon floor. Typically these soils surfaces are covered by 60 percent rock fragments. The Typic

Xerumbrepts are deep, somewhat excessively drained soils that occur on dissected terraces. Typically these soils have 50 percent rock fragments, dominated by cobbles and stones, on the surface. The Entic Xerumbrepts, sandy, mixed, frigid are deep, somewhat excessively drained soils that occur on glacial outwash and fluvial deposits. Typically they are covered by 20 percent rock fragments, mainly pebbles.

Vegetative cover is dominated by Jeffrey pine with smaller amounts of white fir, lodgepole, and western juniper. Shrubs are ceanothus, manzanita, chinquapin, and currant.

There are four inclusions in this map unit.

- 5% River sand and gravel bars
- 4% Lithic Xerumbrepts, loamy-skeletal, mixed, frigid, 15 to 35 percent slopes
- 4% Jointed granitic outcrop
- 2% Humaquepts, 0 to 10 percent slopes

The Lithic Xerumbrepts are shallow, somewhat excessively drained soils that occur around rock outcrops. The Humaquepts are deep, somewhat poorly drained and poorly drained soils that support subalpine meadow vegetation.

140 Lithic Mollic Haploxeralfs - Jointed granitic outcrop - Granitic talus complex, 45 to 75 percent slopes

This map unit is on the sideslopes of the Kern River Canyon. Aspects are mainly westerly and slopes are complex. The unit is composed of three components.

- 45% Lithic Mollic Haploxeralfs, loamy-skeletal, mixed, frigid, 45 to 75 percent slopes
- 25% Jointed granitic outcrop

20% Granitic talus

The Lithic Mollic Haploxeralfs are shallow, somewhat excessively drained soils that occur on the middle and lower sideslopes of canyons. They occur on unstable slopes. Typically the soil surface is covered by 65 percent rock fragments, dominated by cobbles and stones. The Jointed granitic outcrops are sparsely jointed and occur on the middle portions of sideslopes but occasionally appear all the way down to the rivers edge. The granitic talus occurs mainly on the lower portions of sideslopes and consists of loosely arranged boulders and stones.
Vegetative cover is mainly shrubs such as manzanita and ceanothus. There are, however, some scattered Jeffrey pines and western junipers.

There is one inclusion in this map unit.

10% Entic Xerumbrepts, sandy-skeletal, mixed, frigid, 15 to 35 percent slopes

160 Typic Cryopsamments complex, 10 to 60 percent slopes

This map unit is on unglaciated alluvial fans and mountain sideslopes. Slopes are complex. The unit is composed of two components.

55% Typic Cryopsamments, mixed, 10 to 35 percent slopes
35% Typic Cryopsamments, mixed, 35 to 60 percent slopes

The first component are deep, excessively drained soils that occur on dissected alluvial fans and lower mountain sideslopes. Typically the soil surface is covered by 55 percent rock fragments, mainly pebbles. The second component soils are moderately deep and deep, excessively drained soils that occur on upper mountain sideslopes often below very broken, Jointed granitic outcrops. Typically the

soil is found between huge boulders, commonly more than 3 meters across. The boulders cover about 75 percent of the surface.

Vegetative cover is made up almost entirely of foxtail pine. Plant cover is about 15 percent.

There are two inclusions in this map unit.

- 5% Jointed granitic outcrop
- 5% Typic Cryorthents, sandy-skeletal, mixed, 45 to 60 percent slopes

170 Dystric Cryochrepts association, 5 to 45 percent slopes

This map unit is on a glacial till overlying broad plateaus. The unit is composed of three components.

- 55% Dystric Cryochrepts, sandy, mixed, 5 to 15 percent slopes
- 20% Dystric Cryochrepts, sandy-skeletal, mixed, 15 to 30 percent slopes
- 15% Dystric Cryochrepts, sandy-skeletal, mixed, shallow, 25 to 45 percent slopes

The Dystric Cryochrepts, sandy, mixed are moderately deep to a hardpan, excessively drained soils that occur on the upper and smoother portion of plateaus. Typically they are covered by 35 percent rock fragments, dominated by stones and boulders. The Dystric Cryochrepts, sandy-skeletal are moderately deep to a hardpan, somewhat drained soils that occur on the middle portions of the plateau. The plateaus are moderately dissected. Typically the soils surface is covered by 45 percent rock fragments, dominated by stones and boulders. The third component is shallow to a hardpan, somewhat drained and occurs on very dissected, lower

portions of plateaus. Typically they are covered by 45 percent rock fragment.

Vegetative cover is lodgepole and foxtail pines with very little understory plants. Plant cover is about 20 to 25 percent.

There are two inclusions in this map unit.

- 7% Typic Cryorthents, sandy-skeletal, mixed, 35 to 75 percent slopes
- 3% Typic Cryaquepts, 5 to 15 percent slopes

The Typic Cryorthents are moderately deep and deep soils that occur on moraine sideslopes. Typic Cryaquepts are in wet areas.

171 Dystric Cryochrepts - Typic Cryofluvents - Aeric Cryaquepts complex, 0 to 30 percent slopes

This map unit is on moraines, drainageways and glacial outwash deposits. Slopes are complex. The unit is composed of three components.

- 55% Dystric Cryochrepts, sandy-skeletal, mixed, 10 to 30 percent slopes
- 25% Typic Cryofluvents, sandy-skeletal, mixed, 0 to 5 percent slopes
- 15% Aeric Cryaquepts, sandy-skeletal, mixed, 5 to 15 percent slopes

The Dystric Cryochrepts are moderately deep to hardpan, excessively drained soils that occur on lateral moraines. The Typic Cryofluvents are deep, somewhat poorly drained soils that occur on glacial outwash deposits and drainageways. The Aeric Cryaquepts are deep, poorly and very poorly drained soils that occur around seeps and drainageways.

Vegetative cover is scattered lodgepole pines and foxtail pines with very little understory on the Dystric Cryochrepts soils. Scattered lodgepole pine with meadow grasses and sedges occur in the second and third components.

There are two inclusions in this map unit.

3% Rubbleland (glacial)
2% Typic Cryorthents, sandy-skeletal, mixed, 5 to 25 percent slopes

The Typic Cryorthents are mostly deep, excessively drained soils that occur on steeper sideslopes of moraines.

172 Dystric Cryochrepts - Typic Cryaquepts complex, 5 to 20 percent slopes

This map unit is on glacial basins. Slopes are complex. The unit is composed of two components.

70% Dystric Cryochrepts, sandy-skeletal, mixed, 5 to 20 percent slopes
15% Typic Cryaquepts, coarse-loamy, mixed, 5 to 10 percent slopes

The Dystric Cryochrepts are moderately deep to a hardpan, excessively drained soils that occur on moraines on top of the glacial basins. The Typic Cryaquepts are deep, poorly drained soils that occur on shallow drainageways associated with eskers, kettles and outwashes.

Vegetative cover is lodgepole and foxtail pines with very little understory on the Dystric Cryochrepts, Meadow Vegetation occurs on the Typic Cryaquepts.

There are three inclusions in this map unit.

5% Rubbleland (glacial)
5% Jointed granitic outcrop
5% Lithic Cryorthents, sandy-skeletal, mixed

173 Dystric Cryochrepts - Typic Cryorthents complex, 10 to 30 percent slopes

This map unit is on glacial plateaus at and above treeline. Slopes are complex. The unit is composed of two components.

60% Dystric Cryochrepts, sandy, mixed, 10 to 30 percent slopes
25% Typic Cryorthents, sandy-skeletal, mixed, 10 to 30 percent slopes

The Dystric Cryochrepts are moderately deep to a hardpan, excessively drained soils that occur on mostly slightly undulating plateaus. Typically the soil surface is covered by 75 percent rock fragments, mainly small pebbles. The Typic Cryorthents are deep, excessively drained soils that occur on ground till. Typically the soil surface is covered by 80 percent rock fragments, dominated by cobbles and stones.

Vegetative cover is scattered foxtail pine with 5 to 10 percent canopy cover with some sedges and grasses. Above treeline there are only sedges and grasses.

There are three inclusions in this map unit.

5% Jointed granitic outcrop
5% Rubbleland (glacial)
5% Typic Cryaquepts, 5 to 15 percent slopes

The Typic Cryaquepts are deep, somewhat poorly and poorly drained soils that are covered by meadow vegetation.

174 Dystric Cryochrepts - Typic Cryaquepts complex, 5 to 15 percent slopes

This map unit is on glacial basins near treeline. Slopes are complex. The unit is composed of two components.

35% Dystric Cryochrepts, sandy-skeletal, mixed, 5 to 15 percent slopes
35% Typic Cryaquepts, sandy, mixed, 5 to 15 percent slopes

The Dystric Cryochrepts are moderately deep to a dense and brittle hardpan, excessively drained. They are on moraines and ground till overlying glacial basins. Typically the soil surface is covered by 75 percent rock fragments. The Typic Cryaquepts are deep, somewhat poorly and poorly drained soils that occur on drainageways and glacial outwash deposits.

Vegetative cover is sparse lodgepole and foxtail pines with little understory on the Dystric Cryochrepts. Wet and semi-wet meadow vegetation cover the Typic Cryaquepts.

There are three inclusions in this map unit.

5% Rubbleland (glacial)
5% Jointed granitic outcrop
5% Typic Cryopsamments, mixed

176 Dystric Cryochrepts - Aeric Cryaquepts - Jointed granitic outcrop complex, 0 to 25 percent slopes

This map unit is on glacial basins. Slopes are complex. The unit is composed of three components.

- 45% Dystric Cryochrepts, sandy-skeletal, mixed, 5 to 25 percent slopes
- 30% Aeric Cryaquepts, sandy-skeletal, mixed, 0 to 10 percent slopes
- 15% Jointed granitic outcrop

The Dystric Cryochrepts are moderately deep to a dense and brittle hardpan, excessively drained soils that occur on moraines and ground till. Typically the soil surface is covered by about 60 percent rock fragments. The Aeric Cryaquepts are deep poorly and very poorly drained soils that occur around drainageways and seeps.

Vegetative cover is lodgepole and foxtail pine with very little understory plants on the top of the Dystric Cryochrepts. Subalpine wet meadow and semi-wet meadow grasses, sedges and forbs lie on top of the Aeric Cryaquepts.

There are two inclusions in this map unit.

- 5% typic Cryorthents, sandy-skeletal, mixed, 10 to 30 percent slopes
- 5% Humic Cryaquepts, 0 to 5 percent slopes

The Typic Cryorthents occur on steeper sideslopes of moraines. The Humic Cryaquepts are poorly and very poorly drained soils that have ponded water.

180 Felsenmeer - Typic Cryorthents - Jointed granitic outcrop complex, 25 to 65 percent slopes

This map unit occurs on very high, unglaciated mountain ridges and sideslopes. Slopes are complex. The unit is composed of three components.

45% Felsenmeer (granitic)
20% Typic Cryorthents, sandy-skeletal, mixed, 25 to 65 percent slopes
15% Jointed granitic outcrop

This map unit is extremely stony and bouldary. Rock fragments are angular and frost shattered. The Typic Cryorthents are moderately deep and deep, excessively drained soils that are commonly overlying felsenmeer.

Vegetative cover is a very sparse mixture of small alpine grasses, sedges, and forbs. The plants grow among large rocks mainly in sheltered sites away from the cold and wind.
There are three inclusions in this map unit.

10% Granitic talus
5% Lithic Cryorthents, sandy-skeletal, mixed
5% Lithic Cryopsamments, mixed

191 Rubbleland - Typic Cryorthents complex, 15 to 35 percent slopes

This map unit is on moraines and glacial dumps at or near treeline. Slopes are commonly complex. The unit is composed of two components.

50% Rubbleland (glacial)
35% Typic Cryorthents, sandy-skeletal, mixed, 15 to 35 percent slopes

The Typic Cryorthents are moderately deep and deep, excessively drained soils that occur on lateral and recessional moraines. Typically the soil surface is covered by 75 percent rock fragments, dominantly stones and boulders.

Vegetative cover is scattered lodgepole and foxtail pines. Canopy cover is less than 5 percent.

There are three inclusions in this map unit.

- 5% Jointed granitic outcrop
- 5% Typic Cryofluvents, sandy-skeletal, mixed, 5 to 15 percent slopes
- 5% Aeric Typic Cryaquepts, sandy-skeletal, mixed, 5 to 15 percent slopes

The Cryofluvents and Cryaquepts are deep and somewhat poorly or poorly drained soils. The vegetation consists of willows, meadow grasses, and sedges.

200 Ultic Haploxeralfs - Granitic talus - Jointed granitic outcrop complex, 30 to 45 percent slopes

This map unit is on sideslopes of the Kern River Canyon. The unit is composed of three units.

- 40% Ultic Haploxeralfs, loamy-skeletal, mixed, frigid, 30 to 45 percent slopes
- 35% Granitic talus
- 15% Jointed granitic outcrop

The Ultic Haploxeralfs are moderately deep and deep, somewhat excessively drained soils that occur on smooth and convex unstable slopes of the canyon. Typically the soil surface is covered by 75 percent rock fragments, dominated by cobbles, stones, and boulders.

The granitic talus occurs below Jointed granitic outcrops and cliffs commonly in the upper part of the unit. The Jointed granitic outcrop occurs throughout the unit on steeper slopes (45 to 130%).

Vegetative cover consists of Jeffrey pine and white fir with manzanita, chinquapin, and ceanothus. Canopy cover is about 5 to 10 percent.

There is one inclusion in this map unit.

10% Lithic Mollic Haploxeralfs, loamy-skeletal, mixed, frigid, 45 to 60 percent slopes

W Lakes and Other Water Bodies

This miscellaneous unit consists of lakes formed by the ice streams of Kern glacier during the Wisconsin Stage.

APPENDIX B

DATA TABLES

Supplemental Text to

SURVEY OF SOIL MAP UNIT SENSITIVITY
TO ACID DEPOSITION
IN THE
SIERRA NEVADA, CALIFORNIA

SURVEY OF SOILS FOR SENSITIVITY
TO ACID DEPOSITION

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KEY TO TERMS
USED IN
DATABASE

Table/Column — Function

MAPUNIT: lists map unit name in ascending alphabetical or numeric order by map unit identification label.

includes columns:
- muid - map unit identification label; the first three digits indicate the State soil survey area and do not appear on the sensitivity map; the remaining digits/ characters identify map units within each survey area and do appear on the sensitivity map;
- muname - map unit name

MURANK: lists map units by soil survey area in ascending order of sensitivity; provides map unit names and acreages.

includes columns:
- muid;
- muname;
- murank - map unit sensitivity rank;
- muacres - map unit acreage

COMPED: describes map unit composition by map unit identification label and taxonomic component name.

includes columns:
- muid;
- compname - taxonomic component name;
- slopel - lower percent slope limit for component;

slopeh - upper percent slope limit for component;
hydgrp - SCS hydrologic soil group

COMPTAX: lists taxonomic classification by taxonomic component name (e.g., compname).

includes columns: compname;
class - soil taxonomic class

LAYER: describes soil profile horizons for each taxonomic component by map unit label; these data are the basis for the effective depth calculations used as model input.

includes columns: muid;
compname;
layernum - orders horizons, beginning with the surface;
laydepl - depth to upper horizon boundary, inches;
laydeph - depth to lower horizon boundary, inches;
texture - range of USDA soil textures known to occur;
inch3l - lower limit of weight percentage of whole soil retained on a 3-inch sieve;
inch3h - upper limit of weight percentage of whole soil retained on a 3-inch sieve;
no10l - lower limit of weight percentage of whole soil passing a standard No. 10 sieve;

no10h - upper limit of weight percentage of whole soil passing a standard No. 10 sieve

SOURCE: assigns a source number to each sample analyzed in this project and to laboratory data developed by Huntington and Akeson for the Sequoia NP, Central Part survey; source number are used in the *LABDATA* table to identify the source of lab data for unsampled horizons.

includes columns: muid;
compname;
layernum;
laydepl;
laydeph;
source - alphanumeric or numeric code which indicates the soil survey area, map unit symbol, and layer number for each analyzed horizon

PRNTHOR: identifies the horizon nomenclature and parent material for each mineral horizon.

includes columns: muid;
compname;
layernum;
laydepl;
laydeph;
horizon - major horizonation taken from modal soil profile descriptions;
prntmat - soil parent material (V = extrusive igneous; GRN = intrusive igneous; MTS = metamorphosed sedimentary; MTV = metamorphosed igneous; MIX = mixed parent materials)

SENRANK: lists taxonomic components in ascending order of the adjusted average percent base saturation simulated by the Sierran soil acidification model after 50 years.

includes columns: compname;
adav%bs - simulated adjusted average percent base saturation, 50 years

LABDATA: provides actual or correlated laboratory data for each mineral horizon; these data are used as model input.

includes columns: muid;
compname;
layernum;
laydepl;
laydeph;
source - refer to the *SOURCE* table for the origin of lab data for unanalyzed horizons;
pHi - initial 1:1 soil: solution pH;
H^{+} - exchangeable hydrogen ion, meq/100gm soil;
Al^{+++} - exchangeable aluminum, meq/100gm soil;
Ca^{++} - exchangeable calcium, meq/100gm soil;
Mg^{++} - exchangeable magnesium, meq/100gm soil;
K^{+} - exchangeable potassium, meq/100gm soil;
Na^{+} - exchangeable sodium, meq/100gm soil;
% oc - percent organic carbon;
cec - cation exchange capacity, meq/100gm soil

DELTAPH: describes the change in 1:1 soil:solution pH with time following the addition of 6 meq H^+ as nitric and as sulfuric acid.

includes columns:

compname;
layernum;
laydepl;
laydeph;
pHi;
pH1s - soil solution pH four hours after addition of 6 meq H^+ as sulfuric acid;
pH2s - soil solution pH 14 days after addition of 6 meq H^+ as sulfuric acid;
pH1n - soil solution pH four hours after addition of 6 meq H^+ as nitric acid;
pH2n - soil solution pH 14 days after addition of 6 meq H^+ as nitric acid

TABLE 8.1 - MAPUNIT

muid	muname
719AcE	AHART-WACA, RHYOLITIC SUBSTRATUM, 2 TO 30 PERCENT SLOPES
719AcF	AHART-WACA, RHYOLITIC SUBSTRATUM COMPLEX, 30 TO 50 PERCENT SLOPES
719AdE	AHART-WACA, RHYOLITIC SUBSTRATUM-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719AdF	AHART-WACA, RHYOLITIC SUBSTRATUM-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES
719AeE	AHART-ROCK OUTCROP-LEDMOUNT VARIANT COMPLEX, 2 TO 30 PERCENT SLOPES
719AeF	AHART-ROCK OUTCROP-LEDMOUNT VARIANT COMPLEX, 30 TO 50 PERCENT SLOPES
719Aq8	AQUOLLS AND BOROLLS, 0 TO 5 PERCENT SLOPES
719BdE	BUCKING-BUCKING VARIANT-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719BdF	BUCKING-BUCKING VARIANT-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES
719CeE	CELIO-GEFO-AQUOLLS COMPLEX, 2 TO 30 PERCENT SLOPES
719CkE	CHAIX VARIANT-ROCK OUTCROP-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719CkF	CHAIX VARIANT-ROCK OUTCROP-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES
719FtE	FUGAWEE-TAHOMA COMPLEX, 2 TO 30 PERCENT SLOPES
719GeC	GEFO-AQUOLLS-CELIO COMPLEX, 2 TO 9 PERCENT SLOPES
719GiD	GEFO VARIANT-CRYUMBREPTS, WET COMPLEX, 2 TO 15 PERCENT SLOPES
719GrG	ROCK OUTCROP, GRANITIC
719HyE	PITS, HYDRAULIC
719JsG	JORGE-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES
719JtE	JORGE-TAHOMA COMPLEX, 2 TO 30 PERCENT SLOPES
719JtF	JORGE VERY STONY SANDY LOAM, 30 TO 50 PERCENT SLOPES
719JwE	JORGE-WACA-TAHOMA COMPLEX, 2 TO 30 PERCENT SLOPES
719LoE	LORACK-SMOKEY-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719LoF	LORACK-SMOKEY-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES
719MhG	MEISS-GULLIED LAND-ROCK OUTCROP COMPLEX, 30 TO 75 PERCENT SLOPES
719MiE	MEISS-ROCK OUTCROP COMPLEX, 2 TO 30 PERCENT SLOPES
719MiG	MEISS-ROCK OUTCROP COMPLEX, 30 TO 75 PERCENT SLOPES
719MkE	MEISS-WACA COMPLEX, 2 TO 30 PERCENT SLOPES
719MkF	MEISS-WACA COMPLEX, 30 TO 50 PERCENT SLOPES
719MkF3	MEISS-WACA-ROCK OUTCROP COMPLEX, 30 TO 50 PERCENT SLOPES, SEVERELY ERODED
719MlE	MEISS-WACA-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719MlG	MEISS-WACA-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES
719MmH	ROCK OUTCROP, METAMORPHIC-RUBBLE LAND-GULLIED LAND COMPLEX
719MmRE	ROCK OUTCROP, METAMORPHIC-TINKER-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719MmRG	ROCK OUTCROP, METAMORPHIC-TINKER-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES
719MnG	ROCK OUTCROP, METAMORPHIC-WOODSEYE COMPLEX, 30 TO 75 PERCENT SLO PES
719MrE	FUGAWEE VARIANT-FUGAWEE COMPLEX, 2 TO 30 PERCENT SLOPES
719MuE	TAHOMA VARIANT-HOTAW VARIANT-CRYUMBREPTS, WET COMPLEX, 2 TO 30 P ERCENT SLOPES
719MuF	TAHOMA VARIANT-HOTAW VARIANT-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES
719Px	PITS, BORROW
719R	RIVERWASH
719RrG	ROCK OUTCROP, GRANITIC-TINKER COMPLEX, 30 TO 75 PERCENT SLOPES
719RsE	ROCK OUTCROP, GRANITIC-TINKER-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719RsG	ROCK OUTCROP, GRANITIC-TINKER-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES
719RvE	ROCK OUTCROP-WACA, RHYOLITIC SUBSTRATUM-LEDMOUNT VARIANT COMPLEX ,2 TO 30 PERCENT S
719SmE	SMOKEY-SMOKEY VARIANT-WOODSEYE COMPLEX, 2 TO 30 PERCENT SLOPES
719SmG	SMOKEY-WOODSEYE-ROCK OUTCROP COMPLEX, 30 TO 75 PERCENT SLOPES
719SoE	SMOKEY-LORACK-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719SoF	SMOKEY-LORACK-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES
719SpG	SMOKEY-ROCK OUTCROP, METAMORPHIC-RUBBLE LAND COMPLEX, 30 TO 75 P ERCENT SLOPES
719StE	RUBBLE LAND-JORGE COMPLEX, 2 TO 30 PERCENT SLOPES
719StG	RUBBLE LAND-JORGE COMPLEX, 30 TO 75 PERCENT SLOPES
719SuG	RUBBLE LAND-ROCK OUTCROP COMPLEX
719TaE	TALLAC VERY GRAVELLY SANDY LOAM, 2 TO 30PERCENT SLOPES
719TaF	TALLAC VERY GRAVELLY SANDY LOAM, 30 TO 50 PERCENT SLOPES
719TbE	TALLAC-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719TbF	TALLAC-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES

TABLE B.1 - MAPUNIT

muid	muname
719TiE	TINKER-ROCK OUTCROP, GRANITIC-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719TiG	TINKER-ROCK OUTCROP, GRANITIC-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES
719VrG	ROCK OUTCROP, VOLCANIC
719W	WATER
719WaE	WACA-WINDY COMPLEX, 2 TO 30 PERCENT SLOPES
719WaF	WACA-WINDY COMPLEX, 30 TO 50 PERCENT SLOPES
719WbE	WACA-CRYUMBREPTS, WET-WINDY COMPLEX, 2 TO 30 PERCENT SLOPES
719WbF	WACA-CRYUMBREPTS, WET-WINDY COMPLEX, 30 TO 50 PERCENT SLOPES
719WcF	WACA-GULLIED LAND-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES
719WdE	WACA-MEISS COMPLEX, 2 TO 30 PERCENT SLOPES
719WdF	WACA-MEISS COMPLEX, 30 TO 50 PERCENT SLOPES
719WeE	WACA-MEISS-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719WeF	WACA-MEISS-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES
719WoE	WOODSEYE-ROCK OUTCROP-SMOKEY COMPLEX, 2 TO 30 PERCENT SLOPES
719WoG	WOODSEYE-ROCK OUTCROP-SMOKEY COMPLEX, 30TO 75 PERCENT SLOPES
719WrG	LEDFORD VARIANT-ROCK OUTCROP COMPLEX, 30TO 75 PERCENT SLOPES
719XrE	TINKER-ROCK OUTCROP, METAMORPHIC-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES
719XrF	TINKER-ROCK OUTCROP, METAMORPHIC-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES
724102	ANDIC CRYUMBREPTS-LITHIC CRYUMBREPTS ASSOCIATION, 15 TO 50 PERCENT SLOPES
724103	AQUEPTS AND UMBREPTS, 0 TO 15 PERCENT SLOPES
724120	CRYUMBREPTS ASSOCIATION, 5 TO 50 PERCENTSLOPES
724126	GERLE COARSE SANDY LOAM, 2 TO 30 PERCENT SLOPES
724127	GERLE-NOTNED COMPLEX, 2 TO 30 PERCENT SLOPES
724128	GERLE-TALLAC COMPLEX, 5 TO 30 PERCENT SLOPES
724129	GERLE-TALLAC COMPLEX, 30 TO 50 PERCENT SLOPES
724130	GERLE-UMBREPTS ASSOCIATION, 2 TO 15 PERCENT SLOPES
724131	HANGTOWN-LITHIC XERUMBREPTS COMPLEX, 15 TO 50 PERCENT SLOPES
724132	HANGTOWN-SMOKEY COMPLEX, 5 TO 30 PERCENTSLOPES
724133	HANGTOWN-SMOKEY COMPLEX, 30 TO 50 PERCENT SLOPES
724156	LEDFORD SANDY LOAM, 15 TO 50 PERCENT SLOPES
724157	LEDFORD-NOTNED COMPLEX, 5 TO 30 PERCENT SLOPES
724158	LEDFORD-NOTNED COMPLEX, 30 TO 50 PERCENTSLOPES
724161	LITHIC CRYUMBREPTS, 15 TO 75 PERCENT SLOPES
724162	LITHIC CRYUMBREPTS-WACA ASSOCIATION, 5 TO 30 PERCENT SLOPES
724163	LITHIC CRYUMBREPTS-WACA ASSOCIATION, 30 TO 50 PERCENT SLOPES
724164	LITHIC XERUMBREPTS-ROCK OUTCROP COMPLEX, 15 TO 75 PERCENT SLOPES
724165	LUMBERLY GRAVELLY COARSE SANDY LOAM, 5 TO 30 PERCENT SLOPES
724166	LUMBERLY GRAVELLY COARSE SANDY LOAM, 30 TO 50 PERCENT SLOPES
724187	NOTNED-GERLE COMPLEX, 30 TO 50 PERCENT SLOPES
724188	NOTNED-LEDFORD ASSOCIATION, 5 TO 30 PER-CENT SLOPES
724189	NOTNED-LEDFORD ASSOCIATION, 30 TO 50 PERCENT SLOPES
724190	NOTNED-ROCK OUTCROP ASSOCIATION, 5 TO 50PERCENT SLOPES
724191	ORTHENTS-ROCK OUTCROP ASSOCIATION, 10 TO40 PERCENT SLOPES
724196	PITS, BORROW
724198	ROCK OUTCROP
724199	ROCK OUTCROP-CRYUMBREPTS ASSOCIATION, 15 TO 75 PERCENT SLOPES
724200	ROCK OUTCROP-TINKER ASSOCIATION, 15 TO 75 PERCENT SLOPES
724201	TALLAC VERY COBBLY SANDY LOAM, 2 TO 30 PERCENT SLOPES
724202	TALLAC VERY COBBLY SANDY LOAM, 15 TO 30 PERCENT SLOPES, STONY
724203	TALLAC-CRYUMBREPTS, WET ASSOCIATION, 15 TO 30 PERCENT SLOPES
724204	TALLAC VARIANT-LITHIC XERUMBREPTS-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES
724205	TINKER VERY COBBLY COARSE SANDY LOAM, 30 TO 75 PERCENT SLOPES
724206	TINKER-CRYUMBREPT, WET-ROCK OUTCROP ASSOCIATION, 2 TO 30 PERCENT SLOPES
724207	TINKER-TALLAC COMPLEX, 50 TO 75 PERCENT SLOPES
724208	TINKER-TALLAC-ROCK OUTCROP ASSOCIATION, 5 TO 30 PERCENT SLOPES
724209	TINKER-TALLAC-ROCK OUTCROP ASSOCIATION, 30 TO 75 PERCENT SLOPES

TABLE 8.1 - MAPUNIT

muid	muname
724210	UMBREPT-TALLAC-GERLE ASSOCIATION, 15 TO 30 PERCENT SLOPES
724211	WACA COBBLY SANDY LOAM, 5 TO 30 PERCENT SLOPES
724212	WACA COBBLY SANDY LOAM, 30 TO 50 PERCENT SLOPES
724213	WACA-LITHIC CRYUMBREPTS ASSOCIATION, 30 TO 50 PERCENT SLOPES
724214	WACA-LITHIC CRYUMBREPTS-CRYUMBREPTS, WET ASSOCIATION 5 TO 30 PERCENT SLOPES
724215	WACA-LITHIC CRYUMBREPTS-CRYUMBREPTS, WET ASSOCIATION, 30 TO 50 PERCENT SLOPES
724216	WACA-WINDY COMPLEX, 5 TO 30 PERCENT SLOPES
724217	WACA-WINDY COMPLEX, 30 TO 50 PERCENT SLOPES
724218	WINDY GRAVELLY SANDY LOAM, 5 TO 30 PERCENT SLOPES
724219	WINDY GRAVELLY SANDY LOAM, 30 TO 50 PERCENT SLOPES
724220	XERUMBREPTS-CRYUMBREPTS, WET ASSOCIATION, 5 TO 50 PERCENT SLOPES
724W	WATER
731101	ANDIC CRYUMBREPTS-LITHIC CRYUMBREPTS-ROCK OUTCROP COMPLEX, 20 TO 70 PERCENT SLOPES
731106	ENTIC CRYUMBREPTS-ROCK OUTCROP COMPLEX, 10 TO 50 PERCENT SLOPES
731107	ENTIC CRYUMBREPTS, DEEP, 1 TO 10 PERCENTSLOPES
731114	GERLE FAMILY, BOULDERY-ROCK OUTCROP COMPLEX, 5 TO 35 PERCENT SLOPES
731115	GERLE FAMILY, BOULDERY-ROCK OUTCROP COMPLEX, 35 TO 50 P ERCENT SLOPES
731116	GERLE FAMILY, DEEP, 5 TO 35 PERCENT SLOPES
731117	GERLE FAMILY, DEEP, 35 TO 50 PERCENT SLOPES
731118	GERLE FAMILY, DEEP-MODERATELY DEEP ASSOCIATION, 5 TO 35 SLOPES
731119	GERLE FAMILY, DEEP-MODERATELY DEEP ASSOCIATION, 35 TO 5 0 PERCENT SLOPES
731120	GERLE, DEEP-WINTONER FAMILIES COMPLEX, 5 TO 35 PERCENT SLOPES
731121	GERLE, DEEP-WINTONER FAMILIES COMPLEX, 35 TO 50 PERCENT SLOPES
731122	GERLE FAMILY, MODERATELY DEEP-DEEP-ROCK OUTCROP COMPLEX , 5 TO 35 PERCENT SLOPES
731123	GERLE FAMILY, MODERATELY DEEP-DEEP-ROCK OUTCROP COMPLEX , 35 TO 60 PERCENT SLOPES
731124	GERLE FAMILY MODERATELY DEEP-ROCK OUTCROP COMPLEX, 10 T. O 35 PERCENT SLOPES
731125	GERLE FAMILY, MODERATELY DEEP-ROCK OUTCROP COMPLEX, 35 TO 60 PERCENT SLOPES
731147	INVILLE FAMILY, DEEP-MODERATELY DEEP COMPLEX, 15 TO 35 PERCENT SLOPES
731148	INVILLE FAMILY, MODERATELY DEEP-DEEP COMPLEX, 15 TO 35 PERCENT SLOPES
731149	INVILLE FAMILY, MODERATELY DEEP-DEEP COMPLEX, 35 TO 60 PERCENT SLOPES
731150	INVILLE FAMILY, MODERATELY DEEP-LITHIC XERUMBREPTS COMPLEX, 20 TO 35 PERCENT SLOPE
731163	LITHIC CRYOPSAMMENTS-ENTIC CRYUMBREPTS- ROCK OUTCROP COMPLEX, 20 TO 60 PERCENT SLO
731164	LITHIC CRYUMBREPTS-INVILLE FAMILY, MODERATELY DEEP-ROCK COMPLEX, 10 TO 50 PERCENT S
731165	LITHIC CRYUMBREPTS-ROCK OUTCROP COMPLEX, 10 TO 100 PERC ENT SLOPES
731166	LITHIC CRYUMBREPTS-ROCK OUTCROP-WINDY FAMILY, MODERATEL Y DEEP COMPLEX, 5 TO 35 PER
731167	LITHIC CRYUMBREPTS-ROCK OUTCROP-WINDY FAMILY, MODERATEL Y DEEP COMPLEX, 35 TO 70 PE
731168	LITHIC XEROPSAMMENTS-ROCK OUTCROP COMPLEX, 5 TO 70 PERC ENT SLOPES
731174	LITHIC XERUMBREPTS-ROCK OUTCROP COMPLEX, 35 TO 70 PERCE NT SLOPES
731183	ROCK OUTCROP
731184	ROCK OUTCROP-ENTIC CRYUMBREPTS COMPLEX, 10 TO 50 PERCEN T SLOPES
731186	ROCK OUTCROP-GERLE FAMILY, BOULDERY COMPLEX, 5 TO 35 PE RCENT SLOPES
731187	ROCK OUTCROP-GERLE FAMILY, BOULDERY COMPLEX, 35 TO 50 P ERCENT SL SLOPES
731193	WINDY FAMILY, DEEP-MODERATELY DEEP COMPLEX, 5 TO 35 PER CENT SLOPES
731194	WINDY FAMILY, DEEP-MODERATELY DEEP COMPLEX, 35 TO 50 PE RCENT SLOPES
731195	WINDY FAMILY, MODERATELY DEEP-DEEP COMPLEX, 5 TO 35 PER CENT SLOPES
731196	WINDY FAMILY, MODERATELY DEEP-DEEP COM- PLEX, 35 TO 60 PERCENT SLOPES
731197	WINTONER FAMILY, 5 TO 35 PERCENT SLOPES
731198	WINTONER-INVILLE FAMILIES COMPLEX, 15 TO40 PERCENT SLOPES
731199	WINTONER-TALLAC FAMILIES COMPLEX, 15 TO 40 PERCENT SLOPES
731W	WATER
750104	AQUIC DYSTRIC XEROCHEPTS, 1 TO 15 PER- CENT SLOPES
750111	CAGWIN FAMILY, 25 TO 60 PERCENT SLOPES
750112	CAGWIN-CANNELL FAMILIES COMPLEX, 2 TO 25PERCENT SLOPES
750113	CAGWIN FAMILY-LITHIC XEROPSAMMENTS-ROCK OUTCROP COMPLEX , 15 TO 45 PERCENT SLOPES
750114	CAGWIN FAMILY-LITHIC XEROPSAMMENTS-ROCK OUTCROP COMPLEX , 45 TO 65 PERCENT SLOPES
750115	CAGWIN FAMILY-ROCK OUTCROP COMPLEX, 15 TO 35 PERCENT SLOPES

TABLE 8.1 - MAPUNIT

muid	muname
750116	CAGWIN FAMILY-ROCK OUTCROP COMPLEX, 35 TO 65 PERCENT SLOPES
750117	CANNELL FAMILY, 15 TO 45 PERCENT SLOPES
750132	ENTIC CRYUMBREPTS, 5 TO 50 PERCENT SLOPES
750133	ENTIC CRYUMBREPTS-ROCK OUTCROP COMPLEX, 15 TO 55 PERCENT SLOPES
750134	GERLE-CAGWIN FAMILIES ASSOCIATION, 5 TO 35 PERCENT SLOPES
750135	GERLE-CAGWIN FAMILIES ASSOCIATION, 35 TO55 PERCENT SLOPES
750143	LEDFORD FAMILY-ENTIC XERUMBREPTS-ROCK OUTCROP ASSOCIATION, 10 TO 45 PERCENT SLOPES
750144	LITHIC XEROPSAMMENTS-ROCK OUTCROP ASSOCIATION, 5 TO 40 PERCENT SLOPES
750145	LITHIC XEROPSAMMENTS-ROCK OUTCROP ASSOCIATION, 40 TO 65 PERCENT SLOPES
750147	ROCK OUTCROP
750149	ROCK OUTCROP-CRYORTHENTS COMPLEX, 5 TO 50 PERCENT SLOPES
750151	ROCK OUTCROP-ENTIC CRYUMBREPTS ASSOCIATION, 25 TO 60 PERCENT SLOPES
750152	ROCK OUTCROP-LITHIC XEROPSAMMENTS COMPLEX, 15 TO 45 PERCENT SLOPES
750153	ROCK OUTCROP-LITHIC XEROPSAMMENTS COMPLEX, 45 TO 85 PERCENT SLOPES
750154	ROCK OUTCROP-RUBBLE LAND ASSOCIATION
750155	ROCK OUTCROP-STECUM FAMILY ASSOCIATION, 35 TO 65 PERCENT SLOPES
750158	SIRRETTA FAMILY, 25 TO 50 PERCENT SLOPES
750159	SIRRETTA FAMILY-ROCK OUTCROP COMPLEX, 15TO 45 PERCENT SLOPES
750160	SIRRETTA FAMILY-ROCK OUTCROP COMPLEX, 45 TO 65 PERCENT SLOPES
750161	SIRRETTA FAMILY AND UMPA FAMILY, WET, 2 TO 25 PERCENT SLOPES
750162	STECUM FAMILY, 3 TO 35 PERCENT SLOPES
750163	STECUM FAMILY-AQUIC CRYUMBREPTS ASSOCIA TION, 1 TO 25 PERCENT SLOPES
750164	STECUM FAMILY-ROCK OUTCROP COMPLEX, 5 TO45 PERCENT SLOPES
750165	STECUM FAMILY-ROCK OUTCROP ASSOCIATION, 45 TO 65 PERCENT SLOPES
750170	TYPIC XERUMBREPTS, 5 TO 20 PERCENT SLOPES
750171	ULTIC HAPLOXERALFS, DEEP, 15 TO 50 PER CENT SLOPES
750174	UMPA FAMILY, 5 TO 35 PERCENT SLOPES
750175	UMPA FAMILY, 35 TO 55 PERCENT SLOPES
750176	UMPA FAMILY, DEEP, 20 TO 60 PERCENT SLOPES
750W	WATER
760219	CHESAW-NANNY FAMILIES ASSOCIATION, STEEP
760221	CHESAW-NANNY FAMILIES-MONACHE ASSOCIATION, MODERATELY STEEP
760303	MONACHE VARIANT, DRAINED-MONACHE ASSOCIATION, GENTLY SLOPING
760309	MONACHE-TYPIC HAPLOXEROLLS-CAGWIN VARIANT ASSOCIATION, SLOPING
760310	CAGWIN VARIANT LOAMY COARSE SAND, 5 TO 15 PERCENT SLOPES
760311	CANNELL-NANNY FAMILY-MONACHE VARIANT ASSOCIATION, MODERATELY STEEP
760400	ROCK OUTCROP
760404	ROCK OUTCROP-XERORTHENTS ASSOCIATION, STEEP
760409	ROCK OUTCROP-TOEM-SIRRETTA COMPLEX, 10 TO 30 PERCENT SLOPES
760410	ROCK OUTCROP-TOEM COMPLEX, 30 TO 50 PERCENT SLOPES
760411	ROCK OUTCROP-TOEM COMPLEX, 50 TO 75 PERCENT SLOPES
760434	ROCK OUTCROP-BALDMOUNTAIN COMPLEX, 30 TO 50 PERCENT SLOPES
760435	ROCK OUTCROP-BALDMOUNTAIN COMPLEX, 50 TO 75 PERCENT SLOPES
760443	RUBBLE LAND-XERORTHENTS COMPLEX, 5 TO 30 PERCENT SLOPES
760603	CANNELL-SIRRETTA-NANNY FAMILY COMPLEX, 5 TO 30 PERCENT SLOPES
760604	CANNELL-SIRRETTA-NANNY FAMILY COMPLEX, 30 TO 50 PERCENT SLOPES
760606	TOEM-ROCK OUTCROP-CAGWIN COMPLEX, 5 TO 30 PERCENT SLOPES
760607	TOEM-ROCK OUTCROP-CAGWIN COMPLEX, 30 TO 75 PERCENT SLOPES
760609	CAGWIN-TOEM-ROCK OUTCROP COMPLEX, 5 TO 30 PERCENT SLOPES
760610	CAGWIN-TOEM ROCK OUTCROP COMPLEX, 30 TO 50 PERCENT SLOPES
760611	CAGWIN-TOEM ROCK OUTCROP COMPLEX, 50 TO 75 PERCENT SLOPES
760612	BALDMOUNTAIN-ROCK OUTCROP-JUMPE FAMILY COMPLEX, 5 TO 30 PERCENT SLOPES
760613	BALDMOUNTAIN-ROCK OUTCROP-JUMPE FAMILY COMPLEX, 30 TO 50 PERCENT SLOPES
760624	SIRRETTA-ROCK OUTCROP-CANNELL COMPLEX, 5 TO 30 PERCENT SLOPES
760625	SIRRETTA-ROCK OUTCROP-NANNY FAMILY COMPLEX, 30 TO 50 PERCENT SLOPES
760628	NANNY FAMILY-TOEM COMPLEX, 30 TO 50 PERCENT SLOPES

TABLE B.1 - MAPUNIT

auid	auname
760631	CHESAW FAMILY-TOEM-ROCK OUTCROP COMPLEX, 30 TO 50 PERCENT SLOPES
760638	SIRRETTA-ROCK OUTCROP COMPLEX, 50 TO 75 PERCENT SLOPES
760639	CAGWIN-TOEM-MONACHE ASSOCIATION, MODERATELY STEEP
760640	CAGWIN-TOEM-MONACHE ASSOCIATION, STEEP
760643	GLEAN VARIANT EXTREMELY GRAVELLY FINE SANDY LOAM, 20 TO 60 PERCENT SLOPES
760645	CANNELL-KRIEST FAMILY,-ROCK OUTCROP COMPLEX, 5 TO 30 PERCENT SLOPES
760646	CANNELL-KRIEST FAMILY,-ROCK OUTCROP COMPLEX, 30 TO 50 PERCENT SLOPES
760647	CANNELL-KRIEST FAMILY,-ROCK OUTCROP COMPLEX, 50 TO 75 PERCENT SLOPES
760648	KRIEST FAMILY,-CANNELL-ROCK OUTCROP COMPLEX, 5 TO 30 PERCENT SLOPES
760713	JUMPE-CHUMSTICK FAMILIES-ROCK OUTCROP COMPLEX, 30 TO 60 PERCENT SLOPES
790010	JOINTED GRANITIC OUTCROP-LITHIC CRYOCHREPTS COMPLEX, 15 TO 45 PERCENT SLOPES
790011	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBR-DYSTRIC CRYOCHR COMPLEX, 5 TO 30% SLOPES
790012	JOINTED GRANITIC OUTCROP-GRANITIC TALUS-LITHIC CRYOCHREPTS COMPLEX 45 TO 130% SLOPE
790020	UNJOINTED GRANITIC OUTCROP
790030	LAKE
790040	PACHIC CRYOBOROLLS-DYSTRIC CRYOCHREPTS-ROCK OUTCROP COMPLEX, 30 TO 70 PERCENT SLOPE
790050	TYPIC CRYUMBREPTS-DYSTRIC CRYOCHREPTS-TYPIC CRYOFLUVENTS COMPLEX, 0 TO 35% SLOPES
790051	TYPIC CRYUMBREPTS-TYPIC CRYOFLUVENTS COMPLEX, 0 TO 20 PERCENT SLOPES
790052	TYPIC CRYUMBREPTS-DYSTRIC CRYOCHREPTS COMPLEX, 5 TO 25 PERCENT SLOPES
790053	TYPIC CRYUMBREPTS, 25 TO 55 PERCENT SOUTH SLOPES
790054	TYPIC CRYUMBREPTS, 15 TO 45 PERCENT NORTH SLOPES
790055	TYPIC CRYUMBREPTS-LITHIC CRYOCHREPTS-JOINTED GRANITIC OUTCROP COMPLEX 5 TO 30% SLOP
790060	TYPIC XERUMBREPTS-LITHIC XERUMBREPTS-JOINTED GRAN OUTCROP COMPLEX, 30 TO 60% SLOPES
790070	METAMORPHIC TALUS-LITHIC CRYOCHREPTS-JOINTED METAMORPHIC OUTCROP COMPLEX, 45 TO 75%
790071	METAMORPHIC OUTCROP-LITHIC CRYOCHREPTS-TYPIC CRYUMBREPTS COMPLEX, 15 TO 75% SLOPES
790072	METAMORPHIC OUTCROP-METAMORPHIC TALUS-TYPIC CRYUMBREPTS, 35 TO 130 PERCENT SLOPES
790080	LITHIC CRYOCHREPTS-JOINTED GRANITIC OUTCROP-TYPIC CRYUMBREPTS COMPLEX, 5 TO 30% SLO
790081	LITHIC CRYUMBREPTS-DYSTRIC CRYOCHREPTS-JOINTED GRANITIC OUTCROP COMPLEX, 30-55% SLO
790082	LITHIC CRYOCHREPTS-JOINTED GRANITIC OUTCROP COMPLEX, 5 TO 30 PERCENT SLOPES
790090	DYSTRIC CRYOCHREPTS-TYPIC CRYUMBREPTS-METAMORPHIC TALUS COMPLEX, 45 TO 75% SLOPES
790091	DYSTRIC CRYOCHREPTS, 15 TO 60 PERCENT SLOPES
790100	DYSTRIC CRYOCHREPTS, 15 TO 45 PERCENT SLOPES
790101	DYSTRIC CRYOCHREPTS-JOINTED GRANITIC OUTCROP-LITHIC CRYOCHREPTS COMPLEX, 40-75% SLO
790102	DYSTRIC CRYOCHREPTS-AERIC CRYAQUEPTS COMPLEX, 0 TO 15 PERCENT SLOPES
790110	TYPIC CRYOFLUVENTS, 0 TO 5 PERCENT SLOPES
791010	TYPIC CRYORTHENTS-JOINTED GRANITIC COMPLEX, 15 TO 45 PERCENT SLOPES
791021	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS COMPLEX, 10 TO 25 PERCENT SLOPES
791022	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS COMPLEX, 15 TO 45% SLOPES
791023	JOINTED GRANITIC OUTCROP-GRANITIC TALUS-LITHIC CRYUMBREPTS COMPLEX, 45 TO 130% SLOP
791024	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS COMPLEX, 45 TO 130 PERCENT SLOPES
791025	JOINTED GRANITIC OUTCROP-GRANITIC TALUS-FELSENMEER COMPLEX, 45 TO 130 PERCENT SLOPE
791026	JOINTED GRANITIC OUTCROP-GRANITIC TALUS-FELSENMEER COMPLEX, 15 TO 75 PERCENT SLOPES
791027	JOINTED GRANITIC OUTCROP-GRANITIC TALUS-LITHIC XERUMBREPTS COMPLEX, 60 TO 130% SLOP
791028	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS COMPLEX, 15 TO 45 PERCENT SLOPES
791029	JOINTED DACITIC OUTCROP-LITHIC XERUMBREPTS COMPLEX, 45 TO 130 PERCENT SLOPES
791040	TYPIC CRYORTHENTS-JOINTED GRANITIC OUTCROP COMPLEX, 10 TO 40 PERCENT SLOPES
791050	LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP-TYPIC CRYUMBREPTS COMPLEX, 15 TO 35 %
791051	LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP-TYPIC CRYORTHENTS COMPLEX, 30 TO 75%
791060	LITHIC XERUMBREPTS-LITHIC MOLLIC HAPLOXERALFS-TYPIC XERUMBREPTS COMPLEX, 45 TO 75%
791061	LITHIC XERUMBREPTS-JOINTED GRANITIC OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES
791070	TYPIC CRYUMBREPTS-HUMIC CRYAQUEPTS-LITHIC CRYUMBREPTS COMPLEX, 5 TO 30% SLOPES
791071	TYPIC CRYUMBREPTS-LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP COMPLEX, 5 TO 45%
791080	GRANITIC TALUS-JOINTED GRANITIC OUTCROP-LITHIC XERUMBREPTS COMPLEX, 30 TO 60% SLOPE
791081	GRANITIC TALUS-JOINTED GRANITIC OUTCROP COMPLEX, 45 TO 130 PERCENT SLOPES.
791090	HUMIC CRYAQUEPTS-TYPIC CRYOFLUVENTS COMPLEX, 0 TO 15 PERCENT SLOPES
791100	ENTIC XERUMBREPTS-JOINTED GRANITIC OUTCROP-LITHIC XERUMBREPTS COMPLEX, 25 TO 65%

TABLE 8.1 - MAPUNIT

muid	muname
791110	LITHIC CRYUMBREPTS-LITHIC XERORTHENTS-JOINTED GRANITIC OUTCROP COMPLEX, 45 TO 75%
791200	LAKE
792011	TYPIC CRYORTHENTS COMPLEX, 15 TO 75% SLOPES
792012	TYPIC CRYORTHENTS-JOINTED GRANITIC OUTCROP COMPLEX, 45 TO 75% SLOPES
792013	TYPIC CRYORTHENTS COMPLEX, 15 TO 75% SLOPES
792014	TYPIC CRYORTHENTS-RUBBLELAND COMPLEX, 15 TO 45% SLOPES
792016	TYPIC CRYORTHENTS-RUBBLELAND-JOINTED GRANITIC OUTCROP COMPLEX, 15 TO 45% SLOPES
792017	TYPIC CRYORTHENTS-JOINTED GRANITIC OUTCROP COMPLEX, 15 TO 45% SLOPES
792019	TYIC CRYORTHENTS-JOINTED GRANITIC OUTCROP-GRANITIC TALUS COMPLEX, 45 TO 75% SLOPES
792030	JOINTED GRANITIC OUTCROP-LITHIC XERUMBREPTS COMPLEX 45 TO 150% SLOPES
792031	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS COMPLEX, 10 TO 30% SLOPES
792032	JOINTED GRANITIC OUTCROP-TYPIC CRYORTHENTS-LITHIC CRYOCHR. COMPLEX, 10 TO 45% SLOPE
792033	JOINTED GRANITIC OUTCROP-LITHIC CRYOCHREPTS COMPLEX, 15 TO 45% SLOPES
792034	JOINTED GRANITIC OUTCROP-TYPIC CRYORTHENTS-GRANITIC TALUS COMPLEX, 45 TO 75% SLOPES
792035	JOINTED GRANITIC OUTCROP-GRANITIC TALUS COMPLEX, 45 TO 130% SLOPES
792036	JOINTED GRANITIC OUTCROP-LITHIC CRYOCREPTS-TYPIC XERUMBR. COMPLEX, 30 TO 130% SLOPE
792037	JOINTED GRAN OUTCROP-TYPIC CRYORTHENTS-LITHIC CRYOPSAMMENTS COMPLEX 5 TO 35% SLOPES
792038	JOINTED GRAN OUTCROP-LITHIC CRYOPSAMMENTS-TYPIC CRYORTHENTS COMPLEX 20 TO 70% SLOPE
792101	ENTIC XERUMBREPTS-TYPIC XERUMBREPTS ASSOC, 5 TO 25% SLOPES
792140	LITHIC MOLLIC HAPLOXERALFS-JOINTED GRANITIC GRANITIC TALUS COMPLEX 45 TO 75% SLOPES
792160	TYPIC CRYOPSAMMENTS COMPLEX, 10 TO 60% SLOPES
792170	DYSTRIC CRYOCHREPTS ASSOCIATION, 5 TO 45% SLOPES
792171	DYSTRIC CRYOCREPTS-TYPIC CRYOFLUVENTS-AERIC CRYAQUEPTS COMPLEX, 0 TO 30% SLOPES
792172	DYSTRIC CRYOCHREPTS-TYPIC CRYAQUEPTS COMPLEX, 5 TO 20% SLOPES
792173	DYSTRIC CRYOCHREPTS-TYPIC CRYORTHENTS COMPLEX, 10 TO 30% SLOPES
792174	DYSTRIC CRYOCHREPTS-TYPIC CRYAQUEPTS COMPLEX, 5 TO 15% SLOPES
792176	DYSTRIC CRYOCHREPTS-AERIC CRYAQUEPTS-JOINTED GRANITIC OUTCROP COMPLEX 0 TO 25% SLOP
792180	FELSENMEER-TYPIC CRYORTHENTS-JOINTED GRANITIC OUTCROP COMPLEX, 25 TO 65% SLOPES
792191	RUBBLELAND-TYPIC CRYORTHENTS COMPLEX, 15 TO 35% SLOPES
792200	ULTIC HAPLOXERALFS-GRANITIC TALUS-JOINTED GRANITIC OUTCROP COMPLEX, 30 TO 45% SLOPE
792300	LAKE
792Aqf	AQUEPTS, FRIGID
792Caq	CRYAQUEPTS
792CoD	CRYORTHODS, SLOPING TO STEEP
792CoF	CRYORTHODS, VERY STEEP
792EaD	ENTIC CRYUMBREPTS, SANDY-SKELETAL, SLOPING TO STEEP
792EbD	ENTIC CRYUMBREPTS, COARSE-LOAMY, SLOPING TO STEEP
792EbF	ENTIC CRYUMBREPTS, COARSE-LOAMY, VERY STEEP
792EcD	ENTIC CRYUMBREPTS, LOAMY-SKELETAL, SLOPING TO STEEP
792EcF	ENTIC CRYUMBREPTS, LOAMY-SKELETAL, VERY STEEP
792EdF	ENTIC CRYUMBREPTS-CRYORTHODS ASSOCIATION, VERY STEEP
792EfF	ENTIC CRYUMBREPTS-GRANITIC TALUS ASSOCIATION, VERY STEEP
792EhF	ENTIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP ASSOC, V. STEEP
792EjF	ENTIC CRYUMBREPTS-LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP ASSOC, VERY STEEP
792EkF	ENTIC CRYUMBREPTS-TYPIC CRYORTHENTS ASSOCIATION, V. STEEP
792ExbF	ENTIC XERUMBREPTS, SHALLOW, FRIGID-JOINTED GRANITIC OUTCROP ASSOC, VERY STEEP
792ExcG	ENTIC XERUMBREPTS, FRIGID-JOINTED GRANITIC OUTCROP ASSOCIATION, EXTREMELY STEEP
792ExdF	ENTIC XERUMBREPTS, LOAMY-SKELETAL, FRIGID-JOINTED GRANITIC OUTCROP, VERY STEEP
792Ga	GLACIER
792Gf	GRANITIC FELSENMEER
792GfeF	GRANITIC FELSENMEER AND ENTIC CRYUMBREPTS, VERY STEEP
792Gfg	GRANITIC FELSENMEER-GRANITIC TALUS ASSOCIATION
792Ggr	GRANITIC GLACIAL RUBBLE LAND
792Gt	GRANITIC TALUS
792Jg	JOINTED GRANITIC OUTCROP
792JgmF	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS, SANDY SKELETAL ASSOCIATION, VERY STEEP

TABLE 8.1 - MAPUNIT

muid	muname
792JgnD	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS, LOAMY ASSOCIATION, SLOPING TO STEEP
792JgnF	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS, LOAMY ASSOCIATION, VERY STEEP
792JgnG	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS, LOAMY ASSOCIATION, EXTREMELY STEEP
792JgoF	JOINTED GRANITIC OUTCROP-LITHIC XERUMBREPTS, FRIGID ASSOCIATION, VERY STEEP
792Jm	JOINTED MAFIC OUTCROP
792JmxF	JOINTED MAFIC OUTCROP-LITHIC CRYUMBREPTSASSOCIATION, VERY STEEP
792Js	JOINTED SCHISTOSE OUTCROP
792L	LAKE (IF UNNAMED)
792LcbF	LITHIC CRYORTHENTS-ENTIC CRYUMBREPTS ASSOCIATION, VERY STEEP
792LucD	LITHIC CRYUMBREPTS, SLOPING TO STEEP
792LucF	LITHIC CRYUMBREPTS, VERY STEEP
792LueD	LITHIC CRYUMBREPTS-ENTIC CRYUMBREPTS ASSOCIATION, SLOPING TO STEEP
792LueF	LITHIC CRYUMBREPTS-ENTIC CRYUMBREPTS ASSOCIATION, VERY STEEP
792LujD	LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP ASSOCIATION, SLOPING TO STEEP
792LujF	LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP ASSOCIATION, VERY STEEP
792LxnF	LITHIC XERUMBREPTS, FRIGID-JOINTED GRANITIC OUTCROP ASSOCIATION, VERY STEEP
792PhxF	PACHIC HAPLUMBR, FRIGID-PACHIC XERUMBR, FRIGID-JOINTED GRANITIC OUTCROP, VERY STEEP
792PxaD	PACHIC XERUMBREPTS, SANDY-SKELETAL, FRIGID, SLOPING TO STEEP
792PxbD	PACHIC XERUMBREPTS, COARSE-LOAMY, FRIGID, SLOPING TO STEEP
792PxbF	PACHIC XERUMBREPTS, COARSE-LOAMY, FRIGID, VERY STEEP
792PxdF	PACHIC XERUMBREPTS, LOAMY-SKELETAL, FRIGID, VERY STEEP
792PxgF	PACHIC XERUMBREPTS, COARSE-LOAMY, FRIGID-JOINTED GRANITIC OUTCROP ASSOC, VERY STEEP
792PxjF	PACHIC XERUMBREPTS, LOAMY-SKELETAL, FRIGID-JOINTED GRANITIC OUTCROP, VERY STEEP
792PxmF	PACHIC XERUMBR, COARSE-LOAMY, FRIGID-LITHIC XERUMBR, FRIGID-JOINTED GRAN. OUTCROP
792Sf	SCHISTOSE FELSENMEER
792TcfB	TYPIC CRYOFLUVENTS, NEARLY LEVEL
792TcfD	TYPIC CRYOFLUVENTS, SLOPING TO STEEP
792TcoF	TYPIC CRYORTHENTS, VERY STEEP
792TcpF	TYPIC CRYORTHENTS-ENTIC CRYUMBREPTS ASSOCIATION, VERY STEEP
792TcrF	TYPIC CRYORTHENTS-GRANITIC FELSENMEER ASSSOCIATION, VERY STEEP
792TcsF	TYPIC CRYORTHENTS-JOINTED GRANITIC OUTCROP ASSOCIATION, VERY STEEP
792Ut	UNJOINTED GRANITIC OUTCROP

TABLE B.2 - MURANK
(Map Unit Ranking)

aurank	auid	auname	auacres
1	719BdE	BUCKING-BUCKING VARIANT-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	86
1	719CkE	CHAIX VARIANT-ROCK OUTCROP-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	1102
1	719FtE	FUGAWEE-TAHOMA COMPLEX, 2 TO 30 PERCENT SLOPES	126
1	719GeC	GEFO-AQUOLLS-CELIO COMPLEX, 2 TO 9 PERCENT SLOPES	236
1	719GiD	GEFO VARIANT-CRYUMBREPTS, WET COMPLEX, 2 TO 15 PERCENT SLOPES	498
1	719JtE	JORGE-TAHOMA COMPLEX, 2 TO 30 PERCENT SLOPES	186
1	719JwE	JORGE-WACA-TAHOMA COMPLEX, 2 TO 30 PERCENT SLOPES	162
1	719LoE	LORACK-SMOKEY-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	1767
1	719MuE	TAHOMA VARIANT-HOTAW VARIANT-CRYUMBREPTS, WET COMPLEX, 2 TO 30 P ERCENT SLOPES	2755
1	719TaE	TALLAC VERY GRAVELLY SANDY LOAM, 2 TO 30PERCENT SLOPES	2949
1	719TbE	TALLAC-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	15580
1	719WaE	WACA-WINDY COMPLEX, 2 TO 30 PERCENT SLOPES	5176
1	719WbE	WACA-CRYUMBREPTS, WET-WINDY COMPLEX, 2 TO 30 PERCENT SLOPES	2044
1	719WdE	WACA-MEISS COMPLEX, 2 TO 30 PERCENT SLOPES	5477
1	719WeE	WACA-MEISS-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	5103
1	724128	GERLE-TALLAC COMPLEX, 5 TO 30 PERCENT SLOPES	10850
1	724132	HANGTOWN-SMOKEY COMPLEX, 5 TO 30 PERCENTSLOPES	645
1	724157	LEDFORD-NOTNED COMPLEX, 5 TO 30 PERCENT SLOPES	3159
1	724188	NOTNED-LEDFORD ASSOCIATION, 5 TO 30 PER-CENT SLOPES	2864
1	724201	TALLAC VERY COBBLY SANDY LOAM, 2 TO 30 PERCENT SLOPES	6658
1	724202	TALLAC VERY COBBLY SANDY LOAM, 15 TO 30 PERCENT SLOPES, STONY	4968
1	724203	TALLAC-CRYUMBREPTS, WET ASSOCIATION, 15 TO 30 PERCENT SLOPES	4304
1	724211	WACA COBBLY SANDY LOAM, 5 TO 30 PERCENT SLOPES	7575
1	724214	WACA-LITHIC CRYUMBREPTS-CRYUMBREPTS, WET ASSOCIATION 5 TO 30 PERCENT SLOPES	1816
1	724216	WACA-WINDY COMPLEX, 5 TO 30 PERCENT SLOPES	11240
1	731107	ENTIC CRYUMBREPTS, DEEP, 1 TO 10 PERCENTSLOPES	6106
1	731120	GERLE, DEEP-WINTONER FAMILIES COMPLEX, 5 TO 35 PERCENT SLOPES	5482
1	731147	INVILLE FAMILY, DEEP-MODERATELY DEEP COMPLEX, 15 TO 35 PERCENT SLOPES	4342
1	731148	INVILLE FAMILY, MODERATELY DEEP-DEEP COMPLEX, 15 TO 35 PERCENT SLOPES	9651
1	731197	WINTONER FAMILY, 5 TO 35 PERCENT SLOPES	14557

TABLE 8.2 - MURANK
(Map Unit Ranking)

murank	muid	muname	muacres
1	750104	AQUIC DYSTRIC XEROCHEPTS, 1 TO 15 PER- CENT SLOPES	3863
1	750174	UMPA FAMILY, 5 TO 35 PERCENT SLOPES	5542
1	760221	CHESAW-NANNY FAMILIES-MONACHE ASSOCIATION, MODERATELY STEEP	4226
1	760303	MONACHE VARIANT, DRAINED-MONACHE ASSOCIATION, GENTLY SLOPING	10765
1	760311	CANNELL-NANNY FAMILY-MONACHE VARIANT ASSOCIATION, MODERATELY STEEP	4568
1	760603	CANNELL-SIRRETTA-NANNY FAMILY COMPLEX, 5 TO 30 PERCENT SLOPES	27103
1	760612	BALDMOUNTAIN-ROCK OUTCROP-JUMPE FAMILY COMPLEX, 5 TO 30 PERCENT SLOPES	4418
1	760624	SIRRETTA-ROCK OUTCROP-CANNELL COMPLEX, 5 TO 30 PERCENT SLOPES	1304
1	760645	CANNELL-KRIEST FAMILY,-ROCK OUTCROP COMPLEX, 5 TO 30 PERCENT SLOPES	8613
1	760648	KRIEST FAMILY,-CANNELL-ROCK OUTCROP COMPLEX, 5 TO 30 PERCENT SLOPES	2482
1	792PxaD	PACHIC XERUMBREPTS, SANDY-SKELETAL, FRIGID, SLOPING TO STEEP	68
1	792PxbD	PACHIC XERUMBREPTS, COARSE-LOAMY, FRIGID, SLOPING TO STEEP	342
2	719Aq8	AQUOLLS AND BOROLLS, 0 TO 5 PERCENT SLOPES	2768
2	719CeE	CELIO-GEFO-AQUOLLS COMPLEX, 2 TO 30 PERCENT SLOPES	1986
2	719MrE	FUGAWEE VARIANT-FUGAWEE COMPLEX, 2 TO 30 PERCENT SLOPES	47
2	790102	DYSTRIC CRYOCHREPTS-AERIC CRYAQUEPTS COMPLEX, 0 TO 15 PERCENT SLOPES	2288
2	791090	HUMIC CRYAQUEPTS-TYPIC CRYOFLUVENTS COMPLEX, 0 TO 15 PERCENT SLOPES	183
2	792Aqf	AQUEPTS, FRIGID	46
3	7198dF	BUCKING-BUCKING VARIANT-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES	20
3	719CkF	CHAIX VARIANT-ROCK OUTCROP-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES	1207
3	719JtF	JORGE VERY STONY SANDY LOAM, 30 TO 50 PERCENT SLOPES	36
3	719LoF	LORACK-SMOKEY-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES	412
3	719TaF	TALLAC VERY GRAVELLY SANDY LOAM, 30 TO 50 PERCENT SLOPES	1060
3	719TbF	TALLAC-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES	2576
3	719WaF	WACA-WINDY COMPLEX, 30 TO 50 PERCENT SLOPES	5015
3	719WbF	WACA-CRYUMBREPTS, WET-WINDY COMPLEX, 30 TO 50 PERCENT SLOPES	3112
3	719WcF	WACA-GULLIED LAND-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES	2133
3	719WdF	WACA-MEISS COMPLEX, 30 TO 50 PERCENT SLOPES	12533
3	719WeF	WACA-MEISS-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES	5607
3	724102	ANDIC CRYUMBREPTS-LITHIC CRYUMBREPTS ASSOCIATION, 15 TO 50 PERCENT SLOPES	8498

TABLE B.2 - MURANK
(Map Unit Ranking)

murank	muid	muname	muacres
3	724129	GERLE-TALLAC COMPLEX, 30 TO 50 PERCENT SLOPES	1730
3	724131	HANGTOWN-LITHIC XERUMBREPTS COMPLEX, 15 TO 50 PERCENT SLOPES	3463
3	724133	HANGTOWN-SMOKEY COMPLEX, 30 TO 50 PERCENT SLOPES	720
3	724156	LEDFORD SANDY LOAM, 15 TO 50 PERCENT SLOPES	1638
3	724158	LEDFORD-NOTNED COMPLEX, 30 TO 50 PERCENTSLOPES	3789
3	724187	NOTNED-GERLE COMPLEX, 30 TO 50 PERCENT SLOPES	390
3	724189	NOTNED-LEDFORD ASSOCIATION, 30 TO 50 PERCENT SLOPES	1867
3	724190	NOTNED-ROCK OUTCROP ASSOCIATION, 5 TO 50PERCENT SLOPES	526
3	724204	TALLAC VARIANT-LITHIC XERUMBREPTS-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES	1907
3	724212	WACA COBBLY SANDY LOAM, 30 TO 50 PERCENT SLOPES	2822
3	724213	WACA-LITHIC CRYUMBREPTS ASSOCIATION, 30 TO 50 PERCENT SLOPES	1341
3	724215	WACA-LITHIC CRYUMBREPTS-CRYUMBREPTS, WET ASSOCIATION, 30 TO 50 PERCENT SLOPES	472
3	724217	WACA-WINDY COMPLEX, 30 TO 50 PERCENT SLOPES	3952
3	731121	GERLE, DEEP-WINTONER FAMILIES COMPLEX, 35 TO 50 PERCENT SLOPES	377
3	731150	INVILLE FAMILY, MODERATELY DEEP-LITHIC XERUMBREPTS COMPLEX, 20 TO 50 PERCENT SLOPE	2853
3	731198	WINTONER-INVILLE FAMILIES COMPLEX, 15 TO40 PERCENT SLOPES	1401
3	731199	WINTONER-TALLAC FAMILIES COMPLEX, 15 TO 40 PERCENT SLOPES	19504
3	750117	CANNELL FAMILY, 15 TO 45 PERCENT SLOPES	4814
3	750132	ENTIC CRYUMBREPTS, 5 TO 50 PERCENT SLOPES	2171
3	750143	LEDFORD FAMILY-ENTIC XERUMBREPTS-ROCK OUTCROP ASSOCIATION, 10 TO 45 PERCENT SLOPES	18502
3	750171	ULTIC HAPLOXERALFS, DEEP, 15 TO 50 PER CENT SLOPES	1744
3	760219	CHESAW-NANNY FAMILIES ASSOCIATION, STEEP	8259
3	760604	CANNELL-SIRRETTA-NANNY FAMILY COMPLEX, 30 TO 50 PERCENT SLOPES	16117
3	760613	BALDMOUNTAIN-ROCK OUTCROP-JUMPE FAMILY COMPLEX, 30 TO 50 PERCENT SLOPES	6138
3	760625	SIRRETTA-ROCK OUTCROP-NANNY FAMILY COMPLEX, 30 TO 50 PERCENT SLOPES	7479
3	760628	NANNY FAMILY-TOEM COMPLEX, 30 TO 50 PERCENT SLOPES	1459
3	760631	CHESAW FAMILY-TOEM-ROCK OUTCROP COMPLEX, 30 TO 50 PERCENT SLOPES	2504
3	760646	CANNELL-KRIEST FAMILY,-ROCK OUTCROP COMPLEX, 30 TO 50 PERCENT SLOPES	9415
4	731106	ENTIC CRYUMBREPTS-ROCK OUTCROP COMPLEX, 10 TO 50 PERCENT SLOPES	7831
4	790100	DYSTRIC CRYOCHREPTS, 15 TO 45 PERCENT SLOPES	2348

TABLE 8.2 - MURANK
(Map Unit Ranking)

murank	muid	muname	muacres
5	719JsG	JORGE-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES	24
5	719MuF	TAHOMA VARIANT-HOTAW VARIANT-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES	1067
5	719WrG	LEDFORD VARIANT-ROCK OUTCROP COMPLEX, 30TO 75 PERCENT SLOPES	1616
5	731101	ANDIC CRYUMBREPTS-LITHIC CRYUMBREPTS-ROCK OUTCROP COMPLEX, 20 TO 70 PERCENT SLOPES	21077
5	731149	INVILLE FAMILY, MODERATELY DEEP-DEEP COMPLEX, 35 TO 60 PERCENT SLOPES	1298
5	750133	ENTIC CRYUMBREPTS-ROCK OUTCROP COMPLEX, 15 TO 55 PERCENT SLOPES	18384
5	750175	UMPA FAMILY, 35 TO 55 PERCENT SLOPES	2072
5	750176	UMPA FAMILY, DEEP, 20 TO 60 PERCENT SLOPES	13350
5	760638	SIRRETTA-ROCK OUTCROP COMPLEX, 50 TO 75 PERCENT SLOPES	57606
5	760643	GLEAN VARIANT EXTREMELY GRAVELLY FINE SANDY LOAM, 20 TO 60 PERCENT SLOPES	4589
5	760647	CANNELL-KRIEST FAMILY,-ROCK OUTCROP COMPLEX, 50 TO 75 PERCENT SLOPES	2383
5	760713	JUMPE-CHUMSTICK FAMILIES-ROCK OUTCROP COMPLEX, 30 TO 60 PERCENT SLOPES	3143
5	790040	PACHIC CRYOBOROLLS-DYSTRIC CRYOCHREPTS-ROCK OUTCROP COMPLEX, 30 TO 70 PERCENT SLOPE	1113
5	792PhxF	PACHIC HAPLUMBR, FRIGID-PACHIC XERUMBR, FRIGID-JOINTED GRANITIC OUTCROP, VERY STEEP	21
5	792PxbF	PACHIC XERUMBREPTS, COARSE-LOAMY, FRIGID, VERY STEEP	1094
5	792PxdF	PACHIC XERUMBREPTS, LOAMY-SKELETAL, FRIGID, VERY STEEP	279
5	792PxgF	PACHIC XERUMBREPTS, COARSE-LOAMY, FRIGID-JOINTED GRANITIC OUTCROP ASSOC, VERY STEEP	240
5	792PxjF	PACHIC XERUMBREPTS, LOAMY-SKELETAL, FRIGID-JOINTED GRANITIC OUTCROP, VERY STEEP	390
6	790090	DYSTRIC CRYOCHREPTS-TYPIC CRYUMBREPTS-METAMORPHIC TALUS COMPLEX, 45 TO 75% SLOPES	397
6	790091	DYSTRIC CRYOCHREPTS, 15 TO 60 PERCENT SLOPES	734
6	790101	DYSTRIC CRYOCHREPTS-JOINTED GRANITIC OUTCROP-LITHIC CRYOCHREPTS COMPLEX, 40-75% SLO	1472
7	719AcE	AHART-WACA, RHYOLITIC SUBSTRATUM, 2 TO 30 PERCENT SLOPES	2422
7	719AdE	AHART-WACA, RHYOLITIC SUBSTRATUM-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	3166
7	719AeE	AHART-ROCK OUTCROP-LEDMOUNT VARIANT COMPLEX, 2 TO 30 PERCENT SLOPES	591
7	719SmE	SMOKEY-SMOKEY VARIANT-WOODSEYE COMPLEX, 2 TO 30 PERCENT SLOPES	3693
7	719SoE	SMOKEY-LORACK-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	2191
7	724126	GERLE COARSE SANDY LOAM, 2 TO 30 PERCENT SLOPES	511
7	724127	GERLE-NOTNED COMPLEX, 2 TO 30 PERCENT SLOPES	8406

TABLE B.2 - MURANK
(Map Unit Ranking)

murank	muid	auname	muacres
7	724130	GERLE-UMBREPTS ASSOCIATION, 2 TO 15 PERCENT SLOPES	2675
7	724165	LUMBERLY GRAVELLY COARSE SANDY LOAM, 5 TO 30 PERCENT SLOPES	3329
7	724218	WINDY GRAVELLY SANDY LOAM, 5 TO 30 PERCENT SLOPES	2751
7	731114	GERLE FAMILY, BOULDERY-ROCK OUTCROP COMPLEX, 5 TO 35 PERCENT SLOPES	35008
7	731116	GERLE FAMILY, DEEP, 5 TO 35 PERCENT SLOPES	18896
7	731118	GERLE FAMILY, DEEP-MODERATELY DEEP ASSOCIATION, 5 TO 35 SLOPES	13148
7	731122	GERLE FAMILY, MODERATELY DEEP-DEEP-ROCK OUTCROP COMPLEX , 5 TO 35 PERCENT SLOPES	21661
7	731124	GERLE FAMILY MODERATELY DEEP-ROCK OUTCROP COMPLEX, 10 T O 35 PERCENT SLOPES	17991
7	731193	WINDY FAMILY, DEEP-MODERATELY DEEP COMPLEX, 5 TO 35 PER CENT SLOPES	18222
7	731195	WINDY FAMILY, MODERATELY DEEP-DEEP COMPLEX, 5 TO 35 PER CENT SLOPES	10012
7	750134	GERLE-CAGWIN FAMILIES ASSOCIATION, 5 TO 35 PERCENT SLOPES	7177
7	750170	TYPIC XERUMBREPTS, 5 TO 20 PERCENT SLOPES	7070
7	760309	MONACHE-TYPIC HAPLOXEROLLS-CAGWIN VARIANT ASSOCIATION, SLOPING	4399
7	760310	CAGWIN VARIANT LOAMY COARSE SAND, 5 TO 15 PERCENT SLOPES	2668
7	760609	CAGWIN-TOEM-ROCK OUTCROP COMPLEX, 5 TO 30 PERCENT SLOPES	34687
7	760639	CAGWIN-TOEM-MONACHE ASSOCIATION, MODERATELY STEEP	6823
7	791070	TYPIC CRYUMBREPTS-HUMIC CRYAQUEPTS-LITHIC CRYUMBREPTS COMPLEX, 5 TO 30% SLOPES	1422
7	792101	ENTIC XERUMBREPTS-TYPIC XERUMBREPTS ASSOC, 5 TO 25% SLOPES	409
7	792CoD	CRYORTHODS, SLOPING TO STEEP	30
7	792EaD	ENTIC CRYUMBREPTS, SANDY-SKELETAL, SLOPING TO STEEP	21
7	792EbD	ENTIC CRYUMBREPTS, COARSE-LOAMY, SLOPING TO STEEP	227
7	792EcD	ENTIC CRYUMBREPTS, LOAMY-SKELETAL, SLOPING TO STEEP	71
8	719MkE	MEISS-WACA COMPLEX, 2 TO 30 PERCENT SLOPES	2825
8	719MlE	MEISS-WACA-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	2516
8	719TiE	TINKER-ROCK OUTCROP, GRANITIC-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	11688
8	719WoE	WOODSEYE-ROCK OUTCROP-SMOKEY COMPLEX, 2 TO 30 PERCENT SLOPES	952
8	719XrE	TINKER-ROCK OUTCROP, METAMORPHIC-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	2648
8	724103	AQUEPTS AND UMBREPTS, 0 TO 15 PERCENT SLOPES	6010
8	724208	TINKER-TALLAC-ROCK OUTCROP ASSOCIATION, 5 TO 30 PERCENT SLOPES	1811

TABLE 8.2 - MURANK
(Map Unit Ranking)

murank	muid	muname	muacres
8	724210	UMBREPT-TALLAC-GERLE ASSOCIATION, 15 TO 30 PERCENT SLOPES	1937
8	731166	LITHIC CRYUMBREPTS-ROCK OUTCROP-WINDY FAMILY, MODERATEL Y DEEP COMPLEX, 5 TO 35 PER	7161
8	750112	CAGWIN-CANNELL FAMILIES COMPLEX, 2 TO 25PERCENT SLOPES	17482
8	750115	CAGWIN FAMILY-ROCK OUTCROP COMPLEX, 15 TO 35 PERCENT SLOPES	4204
8	750161	SIRRETTA FAMILY AND UMPA FAMILY, WET, 2 TO 25 PERCENT SLOPES	25888
8	750162	STECUM FAMILY, 3 TO 35 PERCENT SLOPES	15250
8	750163	STECUM FAMILY-AQUIC CRYUMBREPTS ASSOCIA TION, 1 TO 25 PERCENT SLOPES	13974
8	760606	TOEM-ROCK OUTCROP-CAGWIN COMPLEX, 5 TO 30 PERCENT SLOPES	17324
8	790050	TYPIC CRYUMBREPTS-DYSTRIC CRYOCHREPTS-TYPIC CRYOFLUVENTS COMPLEX, 0 TO 35% SLOPES	1163
8	790051	TYPIC CRYUMBREPTS-TYPIC CRYOFLUVENTS COMPLEX, 0 TO 20 PERCENT SLOPES	4037
8	790052	TYPIC CRYUMBREPTS-DYSTRIC CRYOCHREPTS COMPLEX, 5 TO 25 PERCENT SLOPES	3422
8	790055	TYPIC CRYUMBREPTS-LITHIC CRYOCHREPTS-JOINTED GRANITIC OUTCROP COMPLEX 5 TO 30% SLOP	2519
8	790080	LITHIC CRYOCHREPTS-JOINTED GRANITIC OUTCROP-TYPIC CRYUMBREPTS COMPLEX, 5 TO 30% SLO	1471
8	790082	LITHIC CRYOCHREPTS-JOINTED GRANITIC OUTCROP COMPLEX, 5 TO 30 PERCENT SLOPES	516
8	790110	TYPIC CRYOFLUVENTS, 0 TO 5 PERCENT SLOPES	819
8	791050	LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP-TYPIC CRYUMBREPTS COMPLEX, 15 TO 35 %	242
8	792171	DYSTRIC CRYOCREPTS-TYPIC CRYOFLUVENTS-AERIC CRYAQUEPTS COMPLEX, 0 TO 30% SLOPES	137
8	792172	DYSTRIC CRYOCHREPTS-TYPIC CRYAQUEPTS COMPLEX, 5 TO 20% SLOPES	720
8	792173	DYSTRIC CRYOCHREPTS-TYPIC CRYORTHENTS COMPLEX, 10 TO 30% SLOPES	228
8	792174	DYSTRIC CRYOCHREPTS-TYPIC CRYAQUEPTS COMPLEX, 5 TO 15% SLOPES	898
8	792176	DYSTRIC CRYOCHREPTS-AERIC CRYAQUEPTS-JOINTED GRANITIC OUTCROP COMPLEX 0 TO 25% SLOP	388
8	792Caq	CRYAQUEPTS	32
8	792LucD	LITHIC CRYUMBREPTS, SLOPING TO STEEP	21
8	792LueD	LITHIC CRYUMBREPTS-ENTIC CRYUMBREPTS ASSOCIATION, SLOPING TO STEEP	37
8	792LujD	LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP ASSOCIATION, SLOPING TO STEEP	53
8	792Tcf8	TYPIC CRYOFLUVENTS, NEARLY LEVEL	14
8	792TcfD	TYPIC CRYOFLUVENTS, SLOPING TO STEEP	10
9	719AcF	AHART-WACA, RHYOLITIC SUBSTRATUM COMPLEX, 30 TO 50 PERCENT SLOPES	2278
9	719AdF	AHART-WACA, RHYOLITIC SUBSTRATUM-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES	2389
9	719AeF	AHART-ROCK OUTCROP-LEDMOUNT VARIANT COMPLEX, 30 TO 50 PERCENT SLOPES	2779

TABLE B.2 - MURANK
(Map Unit Ranking)

murank	muid	muname	muacres
9	719SoF	SMOKEY-LORACK-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES	1670
9	724120	CRYUMBREPTS ASSOCIATION, 5 TO 50 PERCENTSLOPES	13691
9	724166	LUMBERLY GRAVELLY COARSE SANDY LOAM, 30 TO 50 PERCENT SLOPES	1761
9	724191	ORTHENTS-ROCK OUTCROP ASSOCIATION, 10 TO40 PERCENT SLOPES	1680
9	724219	WINDY GRAVELLY SANDY LOAM, 30 TO 50 PERCENT SLOPES	280
9	724220	XERUMBREPTS-CRYUMBREPTS, WET ASSOCIATION, 5 TO 50 PERCENT SLOPES	15449
9	731115	GERLE FAMILY, BOULDERY-ROCK OUTCROP COMPLEX, 35 TO 50 P ERCENT SLOPES	5168
9	731117	GERLE FAMILY, DEEP, 35 TO 50 PERCENT SLOPES	3867
9	731119	GERLE FAMILY, DEEP-MODERATELY DEEP ASSOCIATION, 35 TO 5 0 PERCENT SLOPES	2897
9	731194	WINDY FAMILY, DEEP-MODERATELY DEEP COMPLEX, 35 TO 50 PE RCENT SLOPES	9724
9	760610	CAGWIN-TOEM ROCK OUTCROP COMPLEX, 30 TO 50 PERCENT SLOPES	22321
9	760640	CAGWIN-TOEM-MONACHE ASSOCIATION, STEEP	2787
9	791040	TYPIC CRYORTHENTS-JOINTED GRANITIC OUTCROP COMPLEX, 10 TO 40 PERCENT SLOPES	715
9	791071	TYPIC CRYUMBREPTS-LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP COMPLEX, 5 TO 45%	1365
9	792014	TYPIC CRYORTHENTS-RUBBLELAND COMPLEX, 15 TO 45% SLOPES	297
9	792016	TYPIC CRYORTHENTS-RUBBLELAND-JOINTED GRANITIC OUTCROP COMPLEX, 15 TO 45% SLOPES	684
9	792017	TYPIC CRYORTHENTS-JOINTED GRANITIC OUTCROP COMPLEX, 15 TO 45% SLOPES	671
10	719MiE	MEISS-ROCK OUTCROP COMPLEX, 2 TO 30 PERCENT SLOPES	847
10	719MkF	MEISS-WACA COMPLEX, 30 TO 50 PERCENT SLOPES	6461
10	719MkF3	MEISS-WACA-ROCK OUTCROP COMPLEX, 30 TO 50 PERCENT SLOPES, SEVERELY ERODED	3411
10	719XrF	TINKER-ROCK OUTCROP, METAMORPHIC-CRYUMBREPTS, WET COMPLEX, 30 TO 50 PERCENT SLOPES	1654
10	724162	LITHIC CRYUMBREPTS-WACA ASSOCIATION, 5 TO 30 PERCENT SLOPES	3149
10	724163	LITHIC CRYUMBREPTS-WACA ASSOCIATION, 30 TO 50 PERCENT SLOPES	1197
10	724206	TINKER-CRYUMBREPT, WET-ROCK OUTCROP ASSOCIATION, 2 TO 30 PERCENT SLOPES	185
10	731164	LITHIC CRYUMBREPTS-INVILLE FAMILY, MODERATELY DEEP-ROCK COMPLEX, 10 TO 50 PERCENT S	19347
10	750113	CAGWIN FAMILY-LITHIC XEROPSAMMENTS-ROCK OUTCROP COMPLEX , 15 TO 45 PERCENT SLOPES	26190
10	750144	LITHIC XEROPSAMMENTS-ROCK OUTCROP ASSOCIATION, 5 TO 40 PERCENT SLOPES	14952
10	750158	SIRRETTA FAMILY, 25 TO 50 PERCENT SLOPES	13531
10	750159	SIRRETTA FAMILY-ROCK OUTCROP COMPLEX, 15TO 45 PERCENT SLOPES	11931

TABLE B.2 - MURANK
(Map Unit Ranking)

murank	muid	muname	muacres
10	750164	STECUM FAMILY-ROCK OUTCROP COMPLEX, 5 TO45 PERCENT SLOPES	18813
10	790054	TYPIC CRYUMBREPTS, 15 TO 45 PERCENT NORTH SLOPES	1351
10	791010	TYPIC CRYORTHENTS-JOINTED GRANITIC COMPLEX, 15 TO 45 PERCENT SLOPES	395
10	791061	LITHIC XERUMBREPTS-JOINTED GRANITIC OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES	1386
10	792170	DYSTRIC CRYOCHREPTS ASSOCIATION, 5 TO 45% SLOPES	3168
10	792TcsF	TYPIC CRYORTHENTS-JOINTED GRANITIC OUTCROP ASSOCIATION, VERY STEEP	29
11	719SmG	SMOKEY-WOODSEYE-ROCK OUTCROP COMPLEX, 30 TO 75 PERCENT SLOPES	8933
11	719SpG	SMOKEY-ROCK OUTCROP, METAMORPHIC-RUBBLE LAND COMPLEX, 30 TO 75 P ERCENT SLOPES	395
11	731123	GERLE FAMILY, MODERATELY DEEP-DEEP-ROCK OUTCROP COMPLEX , 35 TO 60 PERCENT SLOPES	7540
11	731125	GERLE FAMILY, MODERATELY DEEP-ROCK OUTCROP COMPLEX, 35 TO 60 PERCENT SLOPES	8061
11	731196	WINDY FAMILY, MODERATELY DEEP-DEEP COM- PLEX, 35 TO 60 PERCENT SLOPES	6153
11	750135	GERLE-CAGWIN FAMILIES ASSOCIATION, 35 TO55 PERCENT SLOPES	10138
11	760611	CAGWIN-TOEM ROCK OUTCROP COMPLEX, 50 TO 75 PERCENT SLOPES	17029
11	790060	TYPIC XERUMBREPTS-LITHIC XERUMBREPTS-JOINTED GRAN OUTCROP COMPLEX, 30 TO 60% SLOPES	251
11	791100	ENTIC XERUMBREPTS-JOINTED GRANITIC OUTCROP-LITHIC XERUMBREPTS COMPLEX, 25 TO 65%	840
11	792011	TYPIC CRYORTHENTS COMPLEX, 15 TO 75% SLOPES	531
11	792012	TYPIC CRYORTHENTS-JOINTED GRANITIC OUTCROP COMPLEX, 45 TO 75% SLOPES	390
11	792013	TYPIC CRYORTHENTS COMPLEX, 15 TO 75% SLOPES	1606
11	792019	TYIC CRYORTHENTS-JOINTED GRANITIC OUTCROP-GRANITIC TALUS COMPLEX, 45 TO 75% SLOPES	391
11	792160	TYPIC CRYOPSAMMENTS COMPLEX, 10 TO 60% SLOPES	719
11	792EbF	ENTIC CRYUMBREPTS, COARSE-LOAMY, VERY STEEP	76
11	792EcF	ENTIC CRYUMBREPTS, LOAMY-SKELETAL, VERY STEEP	871
11	792EdF	ENTIC CRYUMBREPTS-CRYORTHODS ASSOCIATION, VERY STEEP	63
11	792EfF	ENTIC CRYUMBREPTS-GRANITIC TALUS ASSOCIATION, VERY STEEP	131
11	792EhF	ENTIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP ASSOC, V. STEEP	85
11	792EjF	ENTIC CRYUMBREPTS-LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP ASSOC, VERY STEEP	98
11	792EkF	ENTIC CRYUMBREPTS-TYPIC CRYORTHENTS ASSOCIATION, V. STEEP	886
11	792ExcG	ENTIC XERUMBREPTS, FRIGID-JOINTED GRANITIC OUTCROP ASSOCIATION, EXTREMELY STEEP	142
11	792ExdF	ENTIC XERUMBREPTS, LOAMY-SKELETAL, FRIGID-JOINTED GRANITIC OUTCROP, VERY STEEP	80

TABLE 8.2 - MURANK
(Map Unit Ranking)

murank	muid	muname	muacres
11	792TcpF	TYPIC CRYORTHENTS-ENTIC CRYUMBREPTS ASSOCIATION, VERY STEEP	66
12	719MhG	MEISS-GULLIED LAND-ROCK OUTCROP COMPLEX, 30 TO 75 PERCENT SLOPES	4713
12	719M1G	MEISS-ROCK OUTCROP COMPLEX, 30 TO 75 PERCENT SLOPES	3041
12	719M1G	MEISS-WACA-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES	5223
12	719T1G	TINKER-ROCK OUTCROP, GRANITIC-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES	7236
12	719WoG	WOODSEYE-ROCK OUTCROP-SMOKEY COMPLEX, 30TO 75 PERCENT SLOPES	9878
12	724161	LITHIC CRYUMBREPTS, 15 TO 75 PERCENT SLOPES	16827
12	724164	LITHIC XERUMBREPTS-ROCK OUTCROP COMPLEX, 15 TO 75 PERCENT SLOPES	16725
12	724205	TINKER VERY COBBLY COARSE SANDY LOAM, 30 TO 75 PERCENT SLOPES	1932
12	724207	TINKER-TALLAC COMPLEX, 50 TO 75 PERCENT SLOPES	1470
12	724209	TINKER-TALLAC-ROCK OUTCROP ASSOCIATION, 30 TO 75 PERCENT SLOPES	3043
12	731163	LITHIC CRYOPSAMMENTS-ENTIC CRYUMBREPTS- ROCK OUTCROP COMPLEX, 20 TO 60 PERCENT SLO	11210
12	731165	LITHIC CRYUMBREPTS-ROCK OUTCROP COMPLEX, 10 TO 100 PERC ENT SLOPES	25108
12	731167	LITHIC CRYUMBREPTS-ROCK OUTCROP-WINDY FAMILY, MODERATEL Y DEEP COMPLEX, 35 TO 70 PE	4025
12	731168	LITHIC XEROPSAMMENTS-ROCK OUTCROP COMPLEX, 5 TO 70 PERC ENT SLOPES	5963
12	731174	LITHIC XERUMBREPTS-ROCK OUTCROP COMPLEX, 35 TO 70 PERCE NT SLOPES	8380
12	750111	CAGWIN FAMILY, 25 TO 60 PERCENT SLOPES	20436
12	750114	CAGWIN FAMILY-LITHIC XEROPSAMMENTS-ROCK OUTCROP COMPLEX , 45 TO 65 PERCENT SLOPES	18103
12	750116	CAGWIN FAMILY-ROCK OUTCROP COMPLEX, 35 TO 65 PERCENT SLOPES	10096
12	750145	LITHIC XEROPSAMMENTS-ROCK OUTCROP ASSOCIATION, 40 TO 65 PERCENT SLOPES	8321
12	750160	SIRRETTA FAMILY-ROCK OUTCROP COMPLEX, 45 TO 65 PERCENT SLOPES	4978
12	750165	STECUM FAMILY-ROCK OUTCROP ASSOCIATION, 45 TO 65 PERCENT SLOPES	8321
12	760607	TOEM-ROCK OUTCROP-CAGWIN COMPLEX, 30 TO 75 PERCENT SLOPES	43620
12	790053	TYPIC CRYUMBREPTS, 25 TO 55 PERCENT SOUTH SLOPES	737
12	790081	LITHIC CRYUMBREPTS-DYSTRIC CRYOCHREPTS-JOINTED GRANITIC OUTCROP COMPLEX, 30-55% SLO	2464
12	791051	LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP-TYPIC CRYORTHENTS COMPLEX, 30 TO 75%	894
12	791060	LITHIC XERUMBREPTS-LITHIC MOLLIC HAPLOXEPALFS-TYPIC XERUMBREPTS COMPLEX, 45 TO 75%	901

TABLE B.2 - MURANK
(Map Unit Ranking)

aurank	muid	muname	muacres
12	791110	LITHIC CRYUMBREPTS-LITHIC XERORTHENTS-JOINTED GRANITIC OUTCROP COMPLEX, 45 TO 75%	1596
12	792140	LITHIC MOLLIC HAPLOXERALFS-JOINTED GRANITIC GRANITIC TALUS COMPLEX 45 TO 75% SLOPES	469
12	792CoF	CRYORTHODS, VERY STEEP	299
12	792ExbF	ENTIC XERUMBREPTS, SHALLOW, FRIGID-JOINTED GRANITIC OUTCROP ASSOC, VERY STEEP	51
12	792LcbF	LITHIC CRYORTHENTS-ENTIC CRYUMBREPTS ASSOCIATION, VERY STEEP	171
12	792LucF	LITHIC CRYUMBREPTS, VERY STEEP	33
12	792LueF	LITHIC CRYUMBREPTS-ENTIC CRYUMBREPTS ASSOCIATION, VERY STEEP	44
12	792LujF	LITHIC CRYUMBREPTS-JOINTED GRANITIC OUTCROP ASSOCIATION, VERY STEEP	36
12	792LxnF	LITHIC XERUMBREPTS, FRIGID-JOINTED GRANITIC OUTCROP ASSOCIATION, VERY STEEP	475
12	792PxmF	PACHIC XERUMBR, COARSE-LOAMY, FRIGID-LITHIC XERUMBR, FRIGID-JOINTED GRAN. OUTCROP	153
12	792TcoF	TYPIC CRYORTHENTS, VERY STEEP	367
12	792TcrF	TYPIC CRYORTHENTS-GRANITIC FELSENMEER ASSSOCIATION, VERY STEEP	130
13	719GrG	ROCK OUTCROP, GRANITIC	19259
13	719HyE	PITS, HYDRAULIC	28
13	719MmH	ROCK OUTCROP, METAMORPHIC-RUBBLE LAND-GULLIED LAND COMPLEX	1060
13	719MmRE	ROCK OUTCROP, METAMORPHIC-TINKER-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	2181
13	719MmRG	ROCK OUTCROP, METAMORPHIC-TINKER-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES	9745
13	719MnG	ROCK OUTCROP, METAMORPHIC-WOODSEYE COMPLEX, 30 TO 75 PERCENT SLO PES	11985
13	719Px	PITS, BORROW	81
13	719R	RIVERWASH	177
13	719RrG	ROCK OUTCROP, GRANITIC-TINKER COMPLEX, 30 TO 75 PERCENT SLOPES	5815
13	719RsE	ROCK OUTCROP, GRANITIC-TINKER-CRYUMBREPTS, WET COMPLEX, 2 TO 30 PERCENT SLOPES	8753
13	719RsG	ROCK OUTCROP, GRANITIC-TINKER-CRYUMBREPTS, WET COMPLEX, 30 TO 75 PERCENT SLOPES	10124
13	719RvE	ROCK OUTCROP-WACA, RHYOLITIC SUBSTRATUM-LEDMOUNT VARIANT COMPLEX ,2 TO 30 PERCENT S	450
13	719StE	RUBBLE LAND-JORGE COMPLEX, 2 TO 30 PERCENT SLOPES	5
13	719StG	RUBBLE LAND-JORGE COMPLEX, 30 TO 75 PERCENT SLOPES	713
13	719SuG	RUBBLE LAND-ROCK OUTCROP COMPLEX	1188
13	719VrG	ROCK OUTCROP, VOLCANIC	1578
13	724196	PITS, BORROW	165
13	724198	ROCK OUTCROP	109138
13	724199	ROCK OUTCROP-CRYUMBREPTS ASSOCIATION, 15 TO 75 PERCENT SLOPES	17493
13	724200	ROCK OUTCROP-TINKER ASSOCIATION, 15 TO 75 PERCENT SLOPES	6523
13	731183	ROCK OUTCROP	134058

TABLE B.2 - MURANK
(Map Unit Ranking)

murank	muid	muname	muacres
13	731184	ROCK OUTCROP-ENTIC CRYUMBREPTS COMPLEX, 10 TO 50 PERCEN T SLOPES	9640
13	731186	ROCK OUTCROP-GERLE FAMILY, BOULDERY COMPLEX, 5 TO 35 PE RCENT SLOPES	9799
13	731187	ROCK OUTCROP-GERLE FAMILY, BOULDERY COMPLEX, 35 TO 50 P ERCENT SL SLOPES	3951
13	750147	ROCK OUTCROP	17174
13	750149	ROCK OUTCROP-CRYORTHENTS COMPLEX, 5 TO 50 PERCENT SLOPES	8843
13	750151	ROCK OUTCROP-ENTIC CRYUMBREPTS ASSOCIATION, 25 TO 60 PERCENT SLOPES	11128
13	750152	ROCK OUTCROP-LITHIC XEROPSAMMENTS COMPLEX, 15 TO 45 PERCENT SLOPES	29863
13	750153	ROCK OUTCROP-LITHIC XEROPSAMMENTS COMPLEX, 45 TO 85 PERCENT SLOPES	25820
13	750154	ROCK OUTCROP-RUBBLE LAND ASSOCIATION	8656
13	750155	ROCK OUTCROP-STECUM FAMILY ASSOCIATION, 35 TO 65 PERCENT SLOPES	3992
13	760400	ROCK OUTCROP	65877
13	760404	ROCK OUTCROP-XERORTHENTS ASSOCIATION, STEEP	1493
13	760409	ROCK OUTCROP-TOEM-SIRRETTA COMPLEX, 10 TO 30 PERCENT SLOPES	10927
13	760410	ROCK OUTCROP-TOEM COMPLEX, 30 TO 50 PERCENT SLOPES	20898
13	760411	ROCK OUTCROP-TOEM COMPLEX, 50 TO 75 PERCENT SLOPES	8829
13	760434	ROCK OUTCROP-BALDMOUNTAIN COMPLEX, 30 TO 50 PERCENT SLOPES	1434
13	760435	ROCK OUTCROP-BALDMOUNTAIN COMPLEX, 50 TO 75 PERCENT SLOPES	8280
13	760443	RUBBLE LAND-XERORTHENTS COMPLEX, 5 TO 30 PERCENT SLOPES	2585
13	790010	JOINTED GRANITIC OUTCROP-LITHIC CRYOCHREPTS COMPLEX, 15 TO 45 PERCENT SLOPES	868
13	790011	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBR-DYSTRIC CRYOCHR COMPLEX, 5 TO 30% SLOPES	1217
13	790012	JOINTED GRANITIC OUTCROP-GRANITIC TALUS-LITHIC CRYOCHREPTS COMPLEX 45 TO 130% SLOPE	4079
13	790020	UNJOINTED GRANITIC OUTCROP	4259
13	790070	METAMORPHIC TALUS-LITHIC CRYOCHREPTS-JOINTED METAMORPHIC OUTCROP COMPLEX, 45 TO 75%	574
13	790071	METAMORPHIC OUTCROP-LITHIC CRYOCHREPTS-TYPIC CRYUMBREPTS COMPLEX, 15 TO 75% SLOPES	983
13	790072	METAMORPHIC OUTCROP-METAMORPHIC TALUS-TYPIC CRYUMBREPTS, 35 TO 130 PERCENT SLOPES	3660
13	791021	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS COMPLEX, 10 TO 25 PERCENT SLOPES	663
13	791022	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS COMPLEX, 15 TO 45% SLOPES	1325
13	791023	JOINTED GRANITIC OUTCROP-GRANITIC TALUS-LITHIC CRYUMBREPTS COMPLEX, 45 TO 130% SLOP	1770

TABLE B.2 - MURANK
(Map Unit Ranking)

murank	muid	muname	muacres
13	791024	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS COMPLEX, 45 TO 130 PERCENT SLOPES	541
13	791025	JOINTED GRANITIC OUTCROP-GRANITIC TALUS-FELSENMEER COMPLEX, 45 TO 130 PERCENT SLOPE	2526
13	791026	JOINTED GRANITIC OUTCROP-GRANITIC TALUS-FELSENMEER COMPLEX, 15 TO 75 PERCENT SLOPES	1854
13	791027	JOINTED GRANITIC OUTCROP-GRANITIC TALUS-LITHIC XERUMBREPTS COMPLEX, 60 TO 130% SLOP	1182
13	791028	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS COMPLEX, 15 TO 45 PERCENT SLOPES	161
13	791029	JOINTED DACITIC OUTCROP-LITHIC XERUMBREPTS COMPLEX, 45 TO 130 PERCENT SLOPES	1468
13	791080	GRANITIC TALUS-JOINTED GRANITIC OUTCROP-LITHIC XERUMBREPTS COMPLEX, 30 TO 60% SLOPE	431
13	791081	GRANITIC TALUS-JOINTED GRANITIC OUTCROP COMPLEX, 45 TO 130 PERCENT SLOPES.	1553
13	792030	JOINTED GRANITIC OUTCROP-LITHIC XERUMBREPTS COMPLEX 45 TO 150% SLOPES	2028
13	792031	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS COMPLEX, 10 TO 30% SLOPES	1027
13	792032	JOINTED GRANITIC OUTCROP-TYPIC CRYORTHENTS-LITHIC CRYOCHR. COMPLEX, 10 TO 45% SLOPE	282
13	792033	JOINTED GRANITIC OUTCROP-LITHIC CRYOCHREPTS COMPLEX, 15 TO 45% SLOPES	403
13	792034	JOINTED GRANITIC OUTCROP-TYPIC CRYORTHENTS-GRANITIC TALUS COMPLEX, 45 TO 75% SLOPES	763
13	792035	JOINTED GRANITIC OUTCROP-GRANITIC TALUS COMPLEX, 45 TO 130% SLOPES	6348
13	792036	JOINTED GRANITIC OUTCROP-LITHIC CRYOCREPTS-TYPIC XERUMBR. COMPLEX, 30 TO 130% SLOPE	540
13	792037	JOINTED GRAN OUTCROP-TYPIC CRYORTHENTS-LITHIC CRYOPSAMMENTS COMPLEX 5 TO 35% SLOPES	1295
13	792038	JOINTED GRAN OUTCROP-LITHIC CRYOPSAMMENTS-TYPIC CRYORTHENTS COMPLEX 20 TO 70% SLOPE	1676
13	792180	FELSENMEER-TYPIC CRYORTHENTS-JOINTED GRANITIC OUTCROP COMPLEX, 25 TO 65% SLOPES	4353
13	792191	RUBBLELAND-TYPIC CRYORTHENTS COMPLEX, 15 TO 35% SLOPES	393
13	792200	ULTIC HAPLOXERALFS-GRANITIC TALUS-JOINTED GRANITIC OUTCROP COMPLEX, 30 TO 45% SLOPE	313
13	792Ga	GLACIER	29
13	792Gf	GRANITIC FELSENMEER	213
13	792GfeF	GRANITIC FELSENMEER AND ENTIC CRYUMBREPTS, VERY STEEP	341
13	792Gfg	GRANITIC FELSENMEER-GRANITIC TALUS ASSOCIATION	71
13	792Ggr	GRANITIC GLACIAL RUBBLE LAND	148

TABLE B.2 - MURANK
(Map Unit Ranking)

murank	muid	muname	muacres
13	792Gt	GRANITIC TALUS	1150
13	792Jg	JOINTED GRANITIC OUTCROP	4223
13	792JgmF	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS, SANDY SKELETAL ASSOCIATION, VERY STEEP	390
13	792JgnD	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS, LOAMY ASSOCIATION, SLOPING TO STEEP	1151
13	792JgnF	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS, LOAMY ASSOCIATION, VERY STEEP	2163
13	792JgnG	JOINTED GRANITIC OUTCROP-LITHIC CRYUMBREPTS, LOAMY ASSOCIATION, EXTREMELY STEEP	296
13	792JgoF	JOINTED GRANITIC OUTCROP-LITHIC XERUMBREPTS, FRIGID ASSOCIATION, VERY STEEP	119
13	792Jm	JOINTED MAFIC OUTCROP	278
13	792JmxF	JOINTED MAFIC OUTCROP-LITHIC CRYUMBREPTSASSOCIATION, VERY STEEP	103
13	792Js	JOINTED SCHISTOSE OUTCROP	5
13	792Sf	SCHISTOSE FELSENMEER	130
13	792Ut	UNJOINTED GRANITIC OUTCROP	1154
14	719W	WATER	6049
14	724W	WATER	8971
14	731W	WATER	1179
14	750W	WATER	6595
14	790030	LAKE	507
14	791200	LAKE	378
14	792300	LAKE	635
14	792L	LAKE (IF UNNAMED)	272

TABLE 8.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
719AcE	AHART	2	30	B
719AcE	WACA	2	30	B
719AcF	AHART	30	50	B
719AcF	WACA	30	50	B
719AdE	AHART	2	30	B
719AdE	CRYUMBREPT	2	30	C
719AdE	WACA	2	30	B
719AdF	AHART	30	50	B
719AdF	CRYUMBREPT	30	50	C
719AdF	WACA	30	50	B
719AeE	AHART	2	30	B
719AeE	LEDMOUNT V	2	30	D
719AeE	ROCK OUTCR	2	30	
719AeF	AHART	30	50	B
719AeF	LEDMOUNT V	30	50	D
719AeF	ROCK OUTCR	30	50	
719AqB	AQUOLLS	0	5	C
719AqB	BOROLLS	0	5	C
719BcE	BUCKING	2	30	A
719BcE	BUCKING VA	2	30	A
719BcG	BUCKING	30	75	A
719BcG	BUCKING VA	30	75	A
719BdE	BUCKING	2	30	A
719BdE	BUCKING VA	2	30	A
719BdE	CRYUMBREPT	2	30	C
719BdF	BUCKING	30	50	A
719BdF	BUCKING VA	30	50	A
719BdF	CRYUMBREPT	30	50	C
719CeE	AQUOLLS	2	9	C
719CeE	CELIO	2	9	C
719CeE	GEFO	2	30	A
719CkE	CHAIX VARI	2	30	B
719CkE	CRYUMBREPT	2	30	C
719CkE	ROCK OUTCR	2	30	
719CkF	CHAIX VARI	30	50	B
719CkF	CRYUMBREPT	30	50	C
719CkF	ROCK OUTCR	30	50	
719CrB	AQUOLLS	2	5	C
719CrE	JORGE VARI	2	30	B
719CrF	JORGE VARI	30	50	B
719CyD	CRYUMBREPT	2	15	C
719EwB	AQUOLLS	2	5	C
719EwB	INVILLE	2	5	B
719EwB	RIVERWASH	2	5	
719ExE	LORACK VAR	2	30	B
719FjG2	FUGAWEE	30	75	B
719FjG2	JORGE	30	75	B
719FjG2	RUBBLE LAN	30	75	
719FmE	FUGAWEE	2	30	B
719FmE5	FUGAWEE	2	30	B
719FmF	FUGAWEE	30	50	B
719FmF2	FUGAWEE	30	50	B
719FrE	FUGAWEE	2	30	B
719FrE	ROCK OUTCR	2	30	

TABLE B.3 COMPED
(Components, edited)

muid	compname	slopel	slopen	hydgrp
719FrE	TAHOMA	2	30	B
719FrE5	FUGAWEE	2	30	B
719FrE5	ROCK OUTCR	2	30	
719FrE5	TAHOMA	2	30	B
719FrF	FUGAWEE	30	50	B
719FrF	ROCK OUTCR	30	50	
719FrF	TAHOMA	30	50	B
719FrF2	FUGAWEE	30	50	B
719FrF2	ROCK OUTCR	30	50	
719FrF2	TAHOMA	30	50	B
719FrF6	FUGAWEE	30	50	B
719FrF6	ROCK OUTCR	30	50	
719FrF6	TAHOMA	30	50	B
719FtE	FUGAWEE	2	30	B
719FtE	TAHOMA	2	30	B
719FtF	FUGAWEE	30	50	B
719FtF	TAHOMA	30	50	B
719FvE	AQUOLLS	2	15	C
719FvE	FUGAWEE	2	30	B
719FvE	TAHOMA	2	30	B
719GbF	CELIO VARI	30	50	A
719GbF	CRYUMBREPT	30	50	C
719GbF	ROCK OUTCR	30	50	
719GeC	AQUOLLS	2	9	C
719GeC	CELIO	2	9	C
719GeC	GEFO	2	9	A
719GgF	CELIO VARI	30	50	A
719GgF	ROCK OUTCR	30	50	
719GiD	CRYUMBREPT	2	15	C
719GiD	GEFO VARIA	2	15	B
719GrE	ROCK OUTCR	2	30	
719HyE	PITS	2	30	
719JsE	CRYUMBREPT	2	30	C
719JsE	JORGE	2	30	B
719JsE	TAHOMA	2	30	B
719JsG	CRYUMBREPT	30	75	C
719JsG	JORGE	30	75	B
719JtE	JORGE	2	30	B
719JtE	TAHOMA	2	30	B
719JtF	JORGE	2	30	B
719JuE	JORGE	2	30	B
719JuE	RUBBLE LAN	2	30	
719JuG	JORGE	30	75	B
719JuG	RUBBLE LAN	30	75	
719JwE	JORGE	2	30	B
719JwE	TAHOMA	2	30	B
719JwE	WACA	5	30	B
719JwF	JORGE	30	50	B
719JwF	TAHOMA	30	50	B
719JwF	WACA	30	50	B
719JxE	CRYUMBREPT	2	30	C
719JxE	JORGE	2	30	B
719JxE	WACA	5	30	B
719JxF	CRYUMBREPT	30	50	C
719JxF	JORGE	30	50	B

TABLE 8.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
719JxF	WACA	30	50	B
719LcE	LEDFORD	2	30	B
719LcE	LEDFORD VA	2	30	B
719LcF	LEDFORD	30	50	B
719LcF	LEDFORD VA	30	50	B
719LdE	CRYUMBREPT	2	30	C
719LdE	LEDFORD	2	30	B
719LdE	LEDFORD VA	2	30	B
719LdF	CRYUMBREPT	30	50	C
719LdF	LEDFORD	30	50	B
719LdF	LEDFORD VA	30	50	B
719LoE	CRYUMBREPT	2	30	C
719LoE	LORACK	2	30	B
719LoE	SMOKEY	15	30	B
719LoF	CRYUMBREPT	30	50	C
719LoF	LORACK	30	50	B
719LoF	SMOKEY	30	50	B
719MhG	GULLIED LA	30	75	
719MhG	MEISS	30	75	D
719MhG	ROCK OUTCR	30	75	
719MiE	MEISS	5	30	D
719MiE	ROCK OUTCR	2	30	
719MiG	MEISS	30	75	D
719MiG	ROCK OUTCR	30	75	
719MiGJ	MEISS	30	75	D
719MiGJ	ROCK OUTCR			
719MkE	MEISS	5	30	D
719MkE	WACA	5	30	B
719MkF	MEISS	30	50	D
719MkF	WACA	30	50	B
719MkF3	MEISS	30	50	D
719MkF3	ROCK OUTCR	30	50	
719MkF3	WACA	30	50	B
719MlE	CRYUMBREPT	2	30	C
719MlE	MEISS	5	30	D
719MlE	WACA	5	30	B
719MlG	CRYUMBREPT	30	75	C
719MlG	MEISS	30	57	D
719MlG	WACA	30	75	B
719MmG	ROCK OUTCR	30	75	
719MmH	GULLIED LA	50	99	
719MmH	ROCK OUTCR	50	99	
719MmH	RUBBLE LAN	50	99	
719MmRE	CRYUMBREPT	2	30	C
719MmRE	ROCK OUTCR	2	30	
719MmRE	TINKER	2	30	C
719MmRG	CRYUMBREPT	30	75	C
719MmRG	ROCK OUTCR	30	75	
719MmRG	TINKER	30	75	C
719MnG	ROCK OUTCR			
719MnG	WOODSEYE	30	75	D
719MpC	AQUOLLS	2	9	C
719MpC	FUGAWEE	2	9	B
719MpC	FUGAWEE VA	2	9	D
719MrE	FUGAWEE	2	30	B

TABLE B.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
719MrE	FUGAWEE VA	2	30	D
719MrG	FUGAWEE	30	50	B
719MrG	FUGAWEE VA	30	75	D
719MrG	ROCK OUTCR	30	75	
719MuE	CRYUMBREPT	2	30	C
719MuE	HOTAW VARI	2	30	B
719MuE	TAHOMA VAR	2	30	B
719MuF	CRYUMBREPT	30	75	C
719MuF	HOTAW VARI	30	50	B
719MuF	TAHOMA VAR	30	50	B
719Px	PITS			
719R	RIVERWASH	0	5	
719RrG	ROCK OUTCR	30	75	
719RrG	TINKER	30	75	C
719RsE	CRYUMBREPT	2	30	C
719RsE	ROCK OUTCR	2	30	
719RsE	TINKER	2	30	C
719RsG	CRYUMBREPT	30	75	C
719RsG	ROCK OUTCR	30	75	
719RsG	TINKER	30	75	C
719RuG	ROCK OUTCR	30	75	
719RuG	UMPA	30	75	B
719RuG	WOODSEYE V	30	75	D
719RvE	LEDMOUNT V	2	30	D
719RvE	ROCK OUTCR	2	30	
719RvE	WACA	5	30	B
719RwG	MEISS	50	75	D
719RwG	ROCK OUTCR	50	75	
719RwG	WACA	50	75	B
719SmE	SMOKEY	15	30	B
719SmE	SMOKEY VAR	2	30	B
719SmE	WOODSEYE	2	30	D
719SmG	ROCK OUTCR	30	75	
719SmG	SMOKEY	30	50	B
719SmG	WOODSEYE	30	75	D
719SoE	CRYUMBREPT	2	30	C
719SoE	LORACK	2	30	B
719SoE	SMOKEY	15	30	B
719SoF	CRYUMBREPT	30	50	C
719SoF	LORACK	30	50	B
719SoF	SMOKEY	30	50	B
719SpG	ROCK OUTCR	30	75	
719SpG	RUBBLE LAN	30	75	
719SpG	SMOKEY	30	50	B
719StE	JORGE	2	30	B
719StE	RUBBLE LAN	2	30	
719StG	JORGE	30	75	B
719StG	RUBBLE LAN	30	75	
719SuG	ROCK OUTCR	30	75	
719SuG	RUBBLE LAN	30	75	
719TaE	TALLAC	2	30	B
719TaF	TALLAC	30	50	B
719TbE	CRYUMBREPT	2	30	C
719TbE	TALLAC	2	30	B
719TbF	CRYUMBREPT	30	50	C

TABLE 8.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
719TbF	TALLAC	30	50	B
719ThF	CRYUMBREPT	30	60	C
719ThF	GULLIED LA	30	60	
719ThF	TALLAC	30	60	B
719TiE	CRYUMBREPT	2	30	C
719TiE	ROCK OUTCR	2	30	
719TiE	TINKER	2	30	C
719TiG	CRYUMBREPT	30	75	C
719TiG	ROCK OUTCR	30	75	
719TiG	TINKER	30	75	C
719UmE	UMPA	5	30	B
719UmF	UMPA	30	50	B
719UnE	CRYUMBREPT	2	30	C
719UnE	UMPA	5	30	B
719UoE	ROCK OUTCR	2	30	
719UoE	UMPA	5	30	B
719UoG	ROCK OUTCR	30	75	
719UoG	UMPA	30	75	B
719VrG	ROCK OUTCR	30	75	
719W	WATER			
719WaE	WACA	5	30	B
719WaE	WINDY	5	30	B
719WaF	WACA	30	50	B
719WaF	WINDY	30	50	B
719WbE	CRYUMBREPT	2	30	C
719WbE	WACA	5	30	B
719WbE	WINDY	5	30	B
719WbF	CRYUMBREPT	30	50	C
719WbF	WACA	30	50	B
719WbF	WINDY	30	50	B
719WcF	CRYUMBREPT	30	50	C
719WcF	GULLIED LA	30	50	
719WcF	WACA	30	50	B
719WdE	MEISS	5	30	D
719WdE	WACA	5	30	B
719WdF	MEISS	30	50	D
719WdF	WACA	30	50	B
719WeE	CRYUMBREPT	2	30	C
719WeE	MEISS	5	30	D
719WeE	WACA	5	30	B
719WeF	CRYUMBREPT	30	50	C
719WeF	MEISS	30	50	D
719WeF	WACA	30	50	B
719WoE	ROCK OUTCR	2	30	
719WoE	SMOKEY	15	30	B
719WoE	WOODSEYE	2	30	D
719WoG	ROCK OUTCR	30	75	
719WoG	SMOKEY	30	50	B
719WoG	WOODSEYE	30	75	D
719WrG	LEDFORD VA	30	75	B
719WrG	ROCK OUTCR	30	75	
719XrE	CRYUMBREPT	2	30	C
719XrE	ROCK OUTCR	2	30	
719XrE	TINKER	2	30	C
719XrF	CRYUMBREPT	30	50	C

TABLE B.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
719XrF	ROCK OUTCR	30	50	
719XrF	TINKER	30	50	C
7240485	RIVERWASH			
724102	ANDIC CRYU	15	50	B
724102	LITHIC CRY	15	50	D
724103	AQUEPTS	0	15	C
724103	UMBREPTS	0	15	C
724120	CRYUMBREPT	5	50	C
724120	CRYUMBREPT	5	50	B
724126	GERLE	2	30	B
724127	GERLE	2	30	B
724127	NOTNED	2	30	B
724128	GERLE	5	30	B
724128	TALLAC	5	30	B
724129	GERLE	30	50	B
724129	TALLAC	30	50	B
724130	GERLE	2	15	B
724130	UMBREPTS	2	9	C
724131	HANGTOWN	15	30	B
724131	LITHIC XER	15	30	D
724132	HANGTOWN	15	30	B
724132	SMOKEY	15	30	B
724133	HANGTOWN	30	50	B
724133	SMOKEY	30	50	B
724156	LEDFORD	15	30	B
724157	LEDFORD	5	30	B
724157	NOTNED	5	30	B
724158	LEDFORD	30	50	B
724158	NOTNED	30	50	B
724159	LEDMOUNT	2	30	D
724159	ROCK OUTCR	2	30	
724160	LEDMOUNT	30	75	D
724160	ROCK OUTCR	30	75	
724161	LITHIC CRY	15	75	D
724162	LITHIC CRY	5	30	D
724162	WACA	5	30	B
724163	LITHIC CRY	30	50	D
724163	WACA	30	50	B
724164	LITHIC XER	15	75	D
724164	ROCK OUTCR	15	75	
724165	LUMBERLY	5	30	B
724166	LUMBERLY	30	50	B
724187	GERLE	30	50	B
724187	NOTNED	30	50	B
724188	LEDFORD	5	30	B
724188	NOTNED	5	30	B
724189	LEDFORD	30	50	B
724189	NOTNED	30	50	B
724190	NOTNED	5	50	B
724190	ROCK OUTCR	5	50	
724191	OCHREPTS	10	40	B
724191	ROCK OUTCR	10	40	
724194	ROCK	5	30	
724196	PITS			
724198	ROCK OUTCR			

TABLE 8.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
724199	CRYUMBREPT	15	75	A
724199	ROCK OUTCR	15	75	
724200	ROCK OUTCR	15	75	
724200	TINKER	15	75	C
724201	TALLAC	2	30	B
724202	TALLAC	15	30	B
724203	CRYUMBREPT	15	30	C
724203	TALLAC	15	30	B
724204	LITHIC XER	15	30	D
724204	ROCK OUTCR	15	30	
724204	TALLAC VAR	15	30	C
724205	TINKER	30	75	C
724206	CRYUMBREPT	2	30	C
724206	ROCK OUTCR	2	30	
724206	TINKER	2	30	C
724207	TALLAC	50	60	B
724207	TINKER	50	75	C
724208	ROCK OUTCR	5	30	
724208	TALLAC	5	30	B
724208	TINKER	5	30	C
724209	ROCK OUTCR			
724209	TALLAC	30	60	B
724209	TINKER	30	75	C
724210	GERLE	15	30	B
724210	TALLAC	15	30	B
724210	UMBREPT	15	30	C
724211	WACA	5	30	B
724212	WACA	30	50	B
724213	LITHIC CRY	30	50	D
724213	WACA	30	50	B
724214	CRYUMBREPT	5	30	C
724214	LITHIC CRY	5	30	D
724214	WACA	5	30	B
724215	CRYUMBREPT	30	50	C
724215	LITHIC CRY	30	50	D
724215	WACA	30	50	B
724216	WACA	5	30	B
724216	WINDY	5	30	B
724217	WACA	30	50	B
724217	WINDY	30	50	B
724218	WINDY	5	30	B
724219	WINDY	30	50	B
724220	CRYUMBREPT	5	50	C
724220	XERUMBREPT	5	50	A
724W	WATER			
731101	ANDIC CRYU	20	70	B
731101	LITHIC CRY	20	70	D
731101	ROCK OUTCR	20	70	
731106	ENTIC CRYU	10	50	C
731106	ROCK OUTCR	10	50	
731107	ENTIC CRYU	1	10	A
731114	GERLE FAMI	5	35	B
731114	ROCK OUTCR	5	35	
731115	GERLE FAMI	35	50	B
731115	ROCK OUTCR	35	50	D

TABLE 8.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
731116	GERLE FAMI	5	50	B
731117	GERLE FAMI	35	50	B
731118	GERLE FAMI	5	35	B
731118	GERLE FAMI	5	35	B
731119	GERLE FAMI	35	50	B
731119	GERLE FAMI	35	50	B
731120	GERLE	5	35	B
731120	WINTONER F	5	35	B
731121	GERLE	35	50	B
731121	WINTONER F	35	50	B
731122	GERLE FAMI	5	35	B
731122	GERLE FAMI	5	35	B
731122	ROCK OUTCR	5	35	
731123	GERLE FAMI	35	60	B
731123	GERLE FAMI	35	60	B
731123	ROCK OUTCR	35	60	
731124	GERLE FAMI	10	35	B
731124	ROCK OUTCR	10	35	
731125	GERLE FAMI	35	60	B
731125	ROCK OUTCR	35	60	
731147	INVILLE FA	15	35	B
731147	INVILLE FA	15	35	B
731148	INVILLE FA	15	35	B
731148	INVILLE FA	15	35	B
731149	INVILLE FA	35	60	B
731149	INVILLE FA	35	60	B
731150	INVILLE FA	20	50	B
731150	LITHIC XER	20	50	D
731163	ENTIC CRYU	20	60	C
731163	LITHIC CRY	20	60	D
731163	ROCK OUTCR	20	60	
731164	INVILLE FA	10	50	B
731164	LITHIC CRY	10	50	D
731164	ROCK OUTCR	10	50	
731165	LITHIC CRY	10	100	D
731165	ROCK OUTCR	10	100	D
731166	LITHIC CRY	5	35	D
731166	ROCK OUTCR	5	35	
731167	LITHIC CRY	35	70	D
731167	ROCK OUTCR	35	70	
731167	WINDY FAMI	35	70	B
731168	LITHIC XER	5	70	D
731168	ROCK OUTCR	5	70	
731174	LITHIC XER	35	70	D
731174	ROCK OUTCR	35	70	
731183	ROCK OUTCR	0	100	
731184	ENTIC CRYU	10	50	C
731184	ROCK OUTCR	10	50	
731186	GERLE FAMI	5	35	C
731186	ROCK OUTCR	5	35	
731187	GERLE FAMI	35	50	B
731187	ROCK OUTCR	35	50	
731193	WINDY FAMI	5	35	C
731193	WINDY FAMI	5	35	B
731194	WINDY FAMI	35	50	C

TABLE 8.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
731194	WINDY FAMI	35	50	B
731195	WINDY FAMI	5	35	C
731195	WINDY FAMI	5	35	B
731196	WINDY FAMI	35	60	C
731196	WINDY FAMI	35	60	B
731197	WINTONER F	5	35	B
731198	INVILLE FA	15	40	B
731198	WINTONER	15	40	B
731199	TALLAC FAM	15	40	B
731199	WINTONER	15	40	B
731W	WATER			
750104	AQUIC DYST	1	15	B
750111	CAGWIN FAM	25	60	C
750112	CAGWIN	5	25	B
750112	CANNELL FA	5	15	B
750113	CAGWIN FAM	15	45	B
750113	LITHIC XER	15	45	D
750114	CAGWIN FAM	45	65	B
750114	LITHIC XER	45	65	D
750115	CAGWIN FAM	15	35	B
750115	ROCK OUTCR	15	35	
750116	CAGWIN FAM	35	65	B
750116	ROCK OUTCR	35	65	
750117	CANNELL FA	15	45	B
750131	DYSTRIC XE	20	50	B
750131	TYPIC XERU	20	50	B
750132	ENTIC CRYU	5	50	A
750133	ENTIC CRYU	15	55	A
750133	ROCK OUTCR	15	55	
750134	CAGWIN FAM	5	35	C
750134	GERLE	5	35	B
750135	CAGWIN FAM	35	55	A
750135	GERLE	35	55	B
750143	ENTIC XERU	10	45	C
750143	LEDFORD FA	10	45	B
750143	ROCK OUTCR	10	45	
750144	LITHIC XER	5	40	D
750144	ROCK OUTCR	5	40	
750145	LITHIC XER	40	65	D
750145	ROCK OUTCR	40	65	
750147	ROCK OUTCR	0	90	
750149	CRYORTHENT	5	50	A
750149	ROCK OUTCR	5	50	
750151	ENTIC CRYU	25	60	A
750151	ROCK OUTCR	25	60	
750152	LITHIC XER	15	45	D
750152	ROCK OUTCR	15	45	
750153	LITHIC XER	45	85	D
750153	ROCK OUTCR	45	85	
750154	ROCK OUTCR	0	90	
750154	RUBBLE LAN	0	90	
750155	ROCK OUTCR	35	65	
750155	STECUM FAM	35	65	C
750158	SIRRETTA F	25	50	C
750159	ROCK OUTCR	15	45	

TABLE 8.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
750159	SIRRETTA F	15	45	D
750160	ROCK OUTCR	45	65	
750160	SIRRETTA F	45	65	D
750161	SIRRETTA F	3	25	D
750161	UMPA FAMIL	3	10	B
750162	STECUM FAM	3	35	C
750163	AQUIC CRYU	1	25	B
750163	STECUM FAM	5	25	C
750164	ROCK OUTCR	5	45	
750164	STECUM FAM	5	45	C
750165	ROCK OUTCR	45	65	
750165	STECUM FAM	45	65	C
750170	TYPIC XERU	5	20	B
750174	UMPA FAMIL	5	35	B
750175	UMPA FAMIL	20	60	B
750175	UMPA FAMIL	20	60	B
760219	CHESAW	30	50	A
760219	NANNY FAMI	30	50	B
760221	CHESAW	2	30	A
760221	MONACHE	2	30	B
760221	NANNY FAMI	2	30	B
760303	MONACHE	0	5	B
760303	MONACHE VA	0	5	B
760309	CAGWIN VAR	0	15	B
760309	MONACHE	0	15	B
760309	TYPIC HAPL	0	15	B
760310	CAGWIN VAR	5	15	B
760311	CANNELL	5	30	B
760311	MONACHE VA	5	30	B
760311	NANNY FAMI	5	30	B
760400	ROCK OUTCR	0	75	
760404	ROCK OUTCR	30	50	
760404	XERORTHENT	30	50	D
760409	ROCK OUTCR	10	30	
760409	SIRRETTA	10	30	C
760409	TOEM	10	30	C
760410	ROCK OUTCR	30	50	
760410	TOEM	30	50	C
760411	ROCK OUTCR	50	75	
760411	TOEM	50	75	C
760434	BALDMOUNTA	30	50	B
760434	ROCK OUTCR	30	50	
760435	BALDMOUNTA	50	75	B
760435	ROCK OUTCR	50	75	
760443	RUBBLE LAN	5	30	
760443	XERORTHENT	5	30	D
760603	CANNELL	5	30	B
760603	NANNY FAMI	5	30	B
760603	SIRRETTA	5	30	C
760604	CANNELL	30	50	B
760604	NANNY FAMI	30	50	B
760604	SIRRETTA	30	50	D
760606	CAGWIN	5	30	A
760606	ROCK OUTCR	50	30	
760606	TOEM	5	30	C

TABLE B.3 COMPED
(Components, edited)

muid	compname	slopel	slopen	hydgrp
760607	CAGWIN	30	75	A
760607	ROCK OUTCR	30	75	
760607	TOEM	30	75	C
760609	CAGWIN	5	30	A
760609	ROCK OUTCR	5	30	
760609	TOEM	5	30	C
760610	CAGWIN	30	50	A
760610	ROCK OUTCR	30	50	
760610	TOEM	30	50	C
760611	CAGWIN	50	75	A
760611	ROCK OUTCR	50	75	
760611	TOEM	50	75	C
760612	BALDMOUNTA	5	30	B
760612	JUMPE FAMI	5	30	B
760612	ROCK OUTCR	5	30	
760613	BALDMOUNTA	30	50	B
760613	JUMPE FAMI	30	50	B
760613	ROCK OUTCR	30	50	
760624	CANNELL	5	30	B
760624	ROCK OUTCR	5	30	
760624	SIRRETTA	5	30	A
760625	NANNY FAMI	30	50	A
760625	ROCK OUTCR	30	50	
760625	SIRRETTA	30	50	A
760628	NANNY FAMI	30	50	A
760631	CHESAW FAM	30	50	A
760631	ROCK OUTCR	30	50	
760631	TOEM	30	50	C
760638	ROCK OUTCR	50	75	
760638	SIRRETTA	50	75	A
760639	CAGWIN	5	30	A
760639	MONACHE	5	30	B
760639	TOEM	5	30	C
760640	CAGWIN	30	50	A
760640	MONACHE	30	50	B
760640	TOEM	30	50	C
760643	GLEAN VARI	20	60	B
760645	CANNELL	5	30	B
760645	KRIEST FAM	5	30	B
760645	ROCK OUTCR	5	30	
760646	CANNELL	30	50	B
760646	KRIEST FAM	30	50	B
760646	ROCK OUTCR	30	50	
760647	CANNELL	50	75	B
760647	KRIEST FAM	50	75	B
760647	ROCK OUTCR	50	75	
760648	KRIEST FAM	5	30	B
760681	ROCK OUTCR	5	40	
760713	CHUMSTICK	30	60	D
760713	JUMPE	30	60	B
760713	ROCK OUTCR	30	60	
790010	JOINTED GR	15	45	
790010	LITHIC CRY	15	45	D
790011	DYSTRIC CR	5	30	B
790011	JOINTED GR	5	30	

TABLE B.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
790011	LITHIC CRY	5	30	D
790012	GRANITIC T	45	130	
790012	JOINTED GR	45	130	
790012	LITHIC CRY	45	130	D
790020	UNJOINTED			
790030	LAKE			
790040	DYSTRIC CR	30	70	C
790040	JOINTED RO	30	70	
790040	PACHIC CRY	30	70	B
790050	DYSTRIC CR	0	35	B
790050	TYPIC CRYO	0	35	C
790050	TYPIC CRYU	0	35	C
790051	TYPIC CRYO	0	20	C
790051	TYPIC CRYU	0	20	C
790052	DYSTRIC CR	5	30	C
790052	TYPIC CRYU	5	25	C
790053	TYPIC CRYU	25	55	C
790054	TYPIC CRYU	15	45	C
790055	JOINTED GR	5	30	
790055	LITHIC CRY	5	30	D
790055	TYPIC CRYU	5	30	C
790060	JOINTED GR	30	60	
790060	LITHIC XER	30	60	D
790060	TYPIC XERU	30	60	B
790070	JOINTED ME	45	75	
790070	LITHIC CRY	45	75	D
790070	METAMORPHI	45	75	
790071	LITHIC CRY	15	75	D
790071	METAMORPHI	15	75	
790071	TYPIC CRYU	15	75	C
790072	METAMORPHI	35	130	
790072	METAMORPHI	35	130	
790072	TYPIC CRYU	35	130	C
790080	JOINTED GR	5	30	
790080	LITHIC CRY	5	30	D
790080	TYPIC CRYU	5	30	C
790081	DYSTRIC CR	30	55	C
790081	JOINTED GR	30	55	
790081	LITHIC CRY	30	55	D
790082	JOINTED GR	5	30	
790082	LITHIC CRY	5	30	D
790090	DYSTRIC CR	45	75	C
790090	METAMORPHI	45	75	
790090	TYPIC CRYU	45	75	C
790091	DYSTRIC CR	15	60	C
790100	DYSTRIC CR	15	45	C
790101	DYSTRIC CR	40	75	C
790101	JOINTED GR	40	75	
790101	LITHIC CRY	40	75	D
790102	AERIC CRYA	0	15	C
790102	DYSTRIC CR	0	15	C
790110	TYPIC CRYO	0	5	C
790110	TYPIC CRYO	0	5	C
791010	JOINTED GR	15	45	
791010	TYPIC CRYO	15	45	D

TABLE B.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
791021	JOINTED GR	10	25	
791021	LITHIC CRY	10	25	D
791022	JOINTED GR	15	45	
791022	LITHIC CRY	15	45	D
791023	GRANITIC T	45	130	
791023	JOINTED GR	45	130	
791023	LITHIC CRY	45	130	D
791024	JOINTED GR	45	130	
791024	LITHIC CRY	45	130	D
791025	FELSENMEER	45	130	
791025	GRANITIC T	45	130	
791025	JOINTED GR	45	130	
791026	FELSENMEER	15	75	
791026	GRANITIC T	15	75	
791026	JOINTED GR	15	75	
791027	GRANITIC T	60	130	
791027	JOINTED GR	60	130	
791027	LITHIC XER	60	130	D
791028	JOINTED GR	15	45	
791028	LITHIC CRY	15	45	D
791029	JOINTED DA	45	130	
791029	LITHIC XER	45	130	D
791040	JOINTED GR	10	40	
791040	TYPIC CRYO	10	40	B
791040	TYPIC CRYO	15	45	D
791050	JOINTED GR	15	35	
791050	LITHIC CRY	15	35	D
791050	TYPIC CRYU	15	35	B
791051	JOINTED GR	30	75	
791051	LITHIC CRY	30	75	D
791051	TYPIC CRYO	30	75	B
791060	LITHIC MOL	45	75	D
791060	LITHIC XER	45	75	D
791060	TYPIC XERU	45	75	C
791061	JOINTED GR	15	50	
791061	LITHIC XER	15	50	D
791070	HUMIC CRYA	5	30	C
791070	LITHIC CRY	5	30	D
791070	TYPIC CRYU	5	30	B
791071	JOINTED GR	5	45	
791071	LITHIC CRY	5	45	D
791071	TYPIC CRYU	5	45	B
791080	GRANITIC T	30	60	
791080	JOINTED GR	30	60	
791080	LITHIC XER	30	60	D
791081	GRANITIC T	45	130	
791081	JOINTED GR	45	130	
791090	HUMIC CRYA	0	15	C
791090	TYPIC CRYO	0	15	A
791100	ENTIC XERU	25	65	B
791100	JOINTED GR	25	65	
791110	JOINTED GR	45	75	
791110	LITHIC CRY	45	75	D
791110	LITHIC XER	45	75	D
791200	LAKE			

TABLE B.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
792011	TYPIC CRYO	15	75	A
792012	JOINTED GR	45	75	
792012	TYPIC CRYO	45	75	A
792013	TYPIC CRYO	15	75	A
792014	RUBBLELAND	15	45	
792014	TYPIC CRYO	15	45	A
792016	JOINTED GR	15	45	
792016	RUBBLELAND	15	45	
792016	TYPIC CRYO	15	45	A
792017	JOINTED GR	15	45	
792017	TYPIC CRYO	15	45	A
792019	GRANITIC T	45	75	
792019	JOINTED GR	45	75	
792019	TYPIC CRYO	45	75	A
792030	JOINTED GR	45	150	
792030	LITHIC XER	45	150	D
792031	JOINTED GR	10	30	
792031	LITHIC CRY	10	30	D
792032	JOINTED GR	10	45	
792032	LITHIC CRY	10	45	D
792032	TYPIC CRYO	10	45	A
792033	JOINTED GR	15	45	
792033	LITHIC CRY	15	45	D
792034	GRANITIC T	45	75	
792034	JOINTED GR	45	75	
792034	TYPIC CRYO	45	75	A
792035	GRANITIC T	45	130	
792035	JOINTED GR	45	130	
792036	JOINTED GR	30	130	
792036	LITHIC CRY	30	130	D
792036	TYPIC XERU	30	130	B
792037	JOINTED GR	5	35	
792037	LITHIC CRY	5	35	D
792037	TYPIC CRYO	5	35	A
792038	JOINTED GR	20	70	
792038	LITHIC CRY	20	70	D
792038	TYPIC CRYO	20	70	A
792101	ENTIC XERU	5	25	A
792101	TYPIC XERU	5	25	B
792140	JOINTED GR	45	75	
792140	LITHIC MOL	45	75	D
792160	TYPIC CRYO	10	60	B
792170	DYSTRIC CR	5	45	D
792170	DYSTRIC CR	5	45	C
792170	DYSTRIC CR	5	45	D
792171	AERIC CRYA	0	30	C
792171	DYSTRIC CR	0	30	C
792171	TYPIC CRYO	0	30	C
792172	DYSTRIC CR	5	20	C
792173	DYSTRIC CR	10	30	C
792173	TYPIC CRYO	10	30	A
792174	DYSTRIC CR	5	15	C
792174	TYPIC CRYA	5	15	C
792176	AERIC CRYA	0	25	C
792176	DYSTRIC CR	0	25	C

TABLE B.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
792176	JOINTED GR	0	25	
792180	FELSENMEER	25	65	
792180	JOINTED GR	25	65	
792180	TYPIC CRYO	25	65	A
792191	RUBBLELAND	15	35	
792191	TYPIC CRYO	15	35	A
792200	GRANITIC T	30	45	
792200	JOINTED GR	30	45	
792200	ULTIC HAPL	30	45	B
792300	LAKE			
792Aqf	AQUEPTS, F	0	8	D
792Caq	CRYAQUEPTS	0	8	D
792CoD	CRYORTHODS	10	30	B
792CoF	CRYORTHODS	30	60	C
792EaD	ENTIC CRYU	10	30	A
792EbD	ENTIC CRYU	5	30	A
792EbF	ENTIC CRYU	40	70	A
792EcD	ENTIC CRYU	5	30	A
792EcF	ENTIC CRYU	30	75	A
792EdF	CRYORTHODS	45	75	C
792EdF	ENTIC CRYU	45	75	A
792EfF	ENTIC CRYU	45	75	A
792EfF	GRANITIC T	45	75	
792EhF	ENTIC CRYU	45	75	A
792EhF	JOINTED GR	45	75	
792EjF	ENTIC CRYU	45	75	A
792EjF	JOINTED GR	45	75	
792EjF	LITHIC CRY	45	75	D
792EkF	ENTIC CRYU	45	75	A
792EkF	TYPIC CRYO	45	75	D
792ExbF	ENTIC XERU	40	60	D
792ExbF	JOINTED GR	40	60	
792ExcG	ENTIC XERU	75	100	B
792ExcG	JOINTED GR	75	100	
792ExdF	ENTIC XERU	30	60	B
792ExdF	JOINTED GR	30	60	
792Ga	GLACIER	0	100	
792Gf	GRANITIC F	0	100	
792GfeF	ENTIC CRYU	30	75	A
792GfeF	GRANITIC F	30	75	
792Gfg	GRANITIC F	30	100	
792Gfg	GRANITIC T	30	100	
792Ggr	RUBBLELAND	0	100	
792Gt	GRANITIC T	0	100	
792Jg	JOINTED GR	0	100	
792JgmF	JOINTED GR	50	100	
792JgmF	LITHIC CRY	50	100	D
792JgnD	JOINTED GR	5	30	
792JgnD	LITHIC CRY	5	30	D
792JgnF	JOINTED GR	40	60	
792JgnF	LITHIC CRY	40	60	D
792JgnG	JOINTED GR	75	100	
792JgnG	LITHIC CRY	75	100	D
792JgoF	JOINTED GR	30	70	
792JgoF	LITHIC XER	30	70	D

TABLE 8.3 COMPED
(Components, edited)

muid	compname	slopel	slopeh	hydgrp
792Jm	JOINTED MA	0	100	
792JmxF	JOINTED MA	50	75	
792JmxF	LITHIC CRY	50	75	D
792Js	JOINTED SC	0	100	
792L	LAKE	0	0	
792LcbF	ENTIC CRYU	30	70	A
792LcbF	LITHIC CRY	30	70	D
792LucD	LITHIC CRY	5	30	D
792LucF	LITHIC CRY	40	60	D
792LueD	ENTIC CRYU	5	20	A
792LueD	LITHIC CRY	5	20	D
792LueF	ENTIC CRYU	30	60	A
792LueF	LITHIC CRY	30	60	D
792LujD	JOINTED GR	5	30	
792LujD	LITHIC CRY	5	30	D
792LujF	JOINTED GR	30	60	
792LujF	LITHIC CRY	30	60	D
792LxnF	JOINTED GR	40	70	
792LxnF	LITHIC XER	40	70	D
792PhxF	JOINTED GR	30	60	
792PhxF	PACHIC HAP	30	60	B
792PhxF	PACHIC XER	30	60	C
792PxaD	PACHIC XER	5	25	B
792PxbD	PACHIC XER	5	30	B
792PxbF	PACHIC XER	40	70	A
792PxdF	PACHIC XER	40	75	A
792PxgF	JOINTED GR	40	60	
792PxgF	PACHIC XER	40	60	A
792PxjF	JOINTED GR	30	70	
792PxjF	PACHIC XER	30	70	B
792PxmF	JOINTED GR	40	70	
792PxmF	LITHIC XER	40	70	D
792PxmF	PACHIC XER	40	70	B
792Sf	SCHISTOSE	0	100	
792TcfB	TYPIC CRYO	1	5	C
792TcfD	TYPIC CRYO	5	20	C
792TcoF	TYPIC CRYO	30	60	C
792TcpF	ENTIC CRYU	30	65	A
792TcrF	GRANITIC F	30	70	
792TcrF	TYPIC CRYO	30	70	C
792TcsF	JOINTED GR	30	50	
792TcsF	TYPIC CRYO	30	50	C
792Ut	UNJOINTED	0	100	
muid:c	compname:c	slopel:i	slopeh:i	hydgrp:c

TABLE B.4 - COMPTAX
(Component Taxonomy)

compname	class
AERIC CRYA	AERIC CRYAQUEPTS, FINE-LOAMY, MIXED
AERIC CRYA	AERIC CRYAQUEPTS, SANDY-SKELETAL, MIXED
AHART	ANDIC XERUMBREPTS, MEDIAL, FRIGID
ANDIC CRYU	ANDIC CRYUMBREPTS
ANDIC CRYU	ANDIC CRYUMBREPTS
AQUEPTS	AQUEPTS
AQUEPTS	AQUEPTS, FRIGID
AQUIC CRYU	AQUIC CRYUMBREPTS
AQUIC DYST	AQUIC DYSTRIC XEROCHREPTS
AQUOLLS	AQUOLLS
BALDMOUNTA	ULTIC HAPLOXEROLLS, COARSE-LOAMY, MIXED, FRIGID
BOROLLS	BOROLLS
BUCKING	ENTIC XERUMBREPTS, SANDY, MIXED, FRIGID
BUCKING VA	ENTIC XERUMBREPTS, SANDY, MIXED, FRIGID
CAGWIN	DYSTRIC XEROPSAMMENTS, MIXED, FRIGID
CAGWIN FAM	DYSTRIC XEROPSAMMENTS, MIXED, FRIGID
CAGWIN VAR	DYSTRIC XEROPSAMMENTS, MIXED, FRIGID
CANNELL	DYSTRIC XEROCHREPTS, COARSE-LOAMY, MIXED, FRIGID
CANNELL FA	DYSTRIC XEROCHREPTS, COARSE-LOAMY, MIXED, FRIGID
CELIO	ENTIC HAPLUMBREPTS, SANDY-SKELETAL, MIXED, FRIGID
CELIO VARI	ENTIC XERUMBREPTS, SANDY-SKELETAL, MIXED, FRIGID
CHAIX VARI	DYSTRIC XEROCHREPTS, COARSE-LOAMY, MIXED, FRIGID
CHESAW FAM	ENTIC HAPLOXEROLLS, SANDY-SKELETAL, MIXED, FRIGID
CHUMSTICK	LITHIC ULTIC HAPLOXEROLLS, LOAMY-SKELETAL, MIXED, FRIGID
CINDER LAN	MISCELLANEOUS LAND TYPE
CRYAQUEPTS	CRYAQUEPTS
CRYORTHENT	CRYORTHENTS
CRYORTHODS	CRYORTHODS
CRYUMBREPT	CRYUMBREPTS, WET
CRYUMBREPT	CRYUMBREPTS
DYSTRIC CR	DYSTRIC CRYOCHREPTS, COARSE-LOAMY, MIXED
DYSTRIC CR	DYSTRIC CRYOCHREPTS, LOAMY-SKELETAL, MIXED
DYSTRIC CR	DYSTRIC CRYOCHREPTS, SANDY-SKELETAL, MIXED, SHALLOW
DYSTRIC CR	DYSTRIC CRYOCHREPTS,S-SK,M
DYSTRIC CRY	DYSTRIC CRYOCHREPTS, S, M
DYSTRIC XE	DYSTRIC XEROCHREPTS
ENTIC CRYU	ENTIC CRYUMBREPTS
ENTIC CRYU	ENTIC CRYUMBREPTS, DEEP
ENTIC CRYU	ENTIC CRYUMBREPTS, COARSE-LOAMY, MIXED
ENTIC CRYU	ENTIC CRYUMBREPTS, LOAMY-SKELETAL, MIXED
ENTIC CRYU	ENTIC CRYUMBREPTS, MODERATELY DEEP
ENTIC CRYU	ENTIC CRYUMBREPTS, SANDY-SKELETAL, MIXED
ENTIC XERU	ENTIC XERUMBREPTS, LOAMY SKELETAL, MIXED
ENTIC XERU	ENTIC XERUMBREPTS, SHALLOW, FRIGID
ENTIC XERU	ENTIC XERUMBREPTS, FRIGID
ENTIC XERU	ENTIC XERUMBREPTS, LOAMY-SKELETAL, FRIGID
ENTIC XERU	ENTIC XERUMBREPTS, SANDY-SKELETAL, MIXED, FRIGID
ENTIC XERU	ENTIC XERUMBREPTS
ENTIC XERU	ENTIC XERUMBREPTS, SANDY, MIXED, FRIGID
FELSENMEER	MISCELLANEOUS LAND TYPE
FUGAWEE	ULTIC HAPLOXERALFS, FINE-LOAMY, MIXED, FRIGID
FUGAWEE VA	ULTIC HAPLOXERALFS, LOAMY, MIXED, FRIGID, SHALLOW
GEFO	ENTIC XERUMBREPTS, SANDY, MIXED, FRIGID
GEFO VARIA	PACHIC XERUMBREPTS, COARSE-LOAMY, MIXED, FRIGID
GERLE	TYPIC XERUMBREPTS, COARSE-LOAMY, MIXED, FRIGID

TABLE B.4 - COMPTAX
(Component Taxonomy)

compname	class
GERLE F.,B	TYPIC XERUMBREPTS, COARSE-LOAMY, MIXED, FRIGID
GERLE F.,D	TYPIC XERUMBREPTS, COARSE-LOAMY, MIXED, FRIGID
GERLE F.,M	TYPIC XERUMBREPTS, COARSE-LOAMY, MIXED, FRIGID
GERLE FAMI	TYPIC XERUMBREPTS, COARSE-LOAMY, MIXED, FRIGID
GLACIER	MISCELLANEOUS LAND TYPE
GLEAN VARI	ENTIC ULTIC HAPLOXEROLLS, LOAMY-SKELETAL, MIXED, FRIGID
GRANITIC F	MISCELLANEOUS LAND TYPE
GRANITIC R	MISCELLANEOUS LAND TYPE
GRANITIC T	MISCELLANEOUS LAND TYPE
GRANITIC T	MISCELLANEOUS LAND TYPE
GRANITIC T	MISCELLANEOUS LAND TYPE
GULLIED LA	MISCELLANEOUS LAND TYPE
HANGTOWN	DYSTRIC XEROCHREPTS, LOAMY-SKELETAL, MIXED, FRIGID
HOTAW VARI	ULTIC HAPLOXERALFS, FINE-LOAMY, MIXED, FRIGID
HUMIC CRYA	HUMIC CRYAQUEPTS, SANDY-SKELETAL, MIXED
INVILLE	ULTIC HAPLOXERALFS, LOAMY-SKELETAL, MIXED, FRIGID
INVILLE F.	ULTIC HAPLOXERALFS, LOAMY-SKELETAL, MIXED, FRIGID
INVILLE FM	ULTIC HAPLOXERALFS, LOAMY-SKELETAL, MIXED,FRIGID
JOINTED GR	MISCELLANEOUS LAND TYPE
JOINTED GR	MISCELLANEOUS LAND TYPE
JOINTED GR	MISCELLANEOUS LAND TYPE
JOINTED MA	MISCELLANEOUS LAND TYPE
JORGE	ULTIC HAPLOXERALFS, LOAMY-SKELETAL, MIXED, FRIGID
JORGE VARI	ULTIC HAPLOXERALFS, LOAMY-SKELETAL, MIXED, FRIGID
JUMPE FAMI	DYSTRIC XEROCHREPTS, LOAMY-SKELETAL, MIXED, FRIGID
KRIEST FAM	DYSTRIC XEROCHREPTS, COARSE-LOAMY, MIXED, FRIGID
LAKE	MISCELLANEOUS LAND TYPE
LAKE	MISCELLANEOUS LAND TYPE
LEDFORD	ENTIC XERUMBREPTS, COARSE-LOAMY, MIXED, FRIGID
LEDFORD	ENTIC XERUMBREPTS, COARSE-LOAMY, MIXED, FRIGID
LEDFORD FA	ENTIC XERUMBREPTS, COARSE-LOAMY, MIXED, FRIGID
LEDFORD VA	ENTIC XERUMBREPTS, COARSE-LOAMY, MIXED, FRIGID
LEDMOUNT V	LITHIC XERUMBREPTS, MEDIAL-SKELETAL, FRIGID
LITHIC CRY	LITHIC CRYUMBREPTS, LOAMY, MIXED
LITHIC CRY	LITHIC CRYUMBREPTS
LITHIC CRY	LITHIC CRYOPSAMMENTS
LITHIC CRY	LITHIC CRYUMBREPTS
LITHIC CRY	LITHIC CRYUMBREPTS, SANDY-SKELETAL, MIXED
LITHIC CRY	LITHIC CRYUMBREPTS, LOAMY-SKELETAL, MIXED
LITHIC CRY	LITHIC CRYOCHREPTS, LOAMY-SKELETAL, MIXED
LITHIC CRY	LITHIC CRYOPSAMMENTS, MIXED
LITHIC CRY	LITHIC CRYORTHENTS
LITHIC CRY	LITHIC CRYUMBREPTS, LOAMY, MIXED
LITHIC CRY	LITHIC CRYOCHREPTS, LOAMY, MIXED
LITHIC CRY	LITHIC CRYUMBREPTS, LOAMY-SKELETAL, MIXED
LITHIC CRY	LITHIC CRYOCHREPTS, LOAMY-SKELETAL, MIXED
LITHIC MOL	LITHIC MOLLIC HAPLOXERALFS, LOAMY-SKELETAL, MIXED, FRIGID
LITHIC MOL	LITHIC MOLLIC HAPLOXERALFS, LOAMY-SKELETAL, MIXED, FRIGID
LITHIC XER	LITHIC XERUMBREPTS
LITHIC XER	LITHIC XERUMBREPTS, LOAMY, MIXED, FRIGID
LITHIC XER	LITHIC XEROPSAMMENTS
LITHIC XER	LITHIC XERUMBREPTS
LITHIC XER	LITHIC XEROPSAMMENTS
LITHIC XER	LITHIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
LITHIC XER	LITHIC XERUMBREPTS, SANDY, MIXED, FRIGID

TABLE 8.4 - COMPTAX
(Component Taxonomy)

compname	class
LITHIC XER	LITHIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
LITHIC XER	LITHIC XERORTHENTS, SANDY-SKELETAL, MIXED, FRIGID
LITHIC XER	LITHIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, MESIC
LORACK	ULTIC HAPLOXERALFS, LOAMY-SKELETAL, MIXED, FRIGID
LORACK VAR	ULTIC HAPLOXERALFS, LOAMY-SKELETAL, MIXED, FRIGID
LUMBERLY	TYPIC XERUMBREPTS, COARSE-LOAMY, MIXED, FRIGID
MEISS	LITHIC CRYUMBREPTS, MEDIAL
METAMORPHI	MISCELLANEOUS LAND TYPE
METAMORPHI	MISCELLANEOUS LAND TYPE
MONACHE	CUMULIC ULTIC HAPLOXEROLLS, COARSE-LOAMY, MIXED, FRIGID
MONACHE VA	CUMULIC HAPLAQUOLLS, COARSE-LOAMY, MIXED, FRIGID
NANNY FAMI	TYPIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
NOTNED	DYSTRIC XEROCHREPTS, SANDY-SKELETAL, MIXED, FRIGID
ORTHENTS	ORTHENTS
PACHIC CRY	PACHIC CRYOBOROLLS, LOAMY-SKELETAL, MIXED
PACHIC HAP	PACHIC HAPLUMBREPTS, FRIGID
PACHIC XER	PACHIC XERUMBREPTS, COARSE-LOAMY, FRIGID
PACHIC XER	PACHIC XERUMBREPTS, SANDY-SKELETAL, FRIGID
PACHIC XER	PACHIC XERUMBREPTS, LOAMY-SKELETAL, FRIGID
PITS	MISCELLANEOUS LAND TYPE
RIVERWASH	MISCELLANEOUS LAND TYPE
ROCK	MISCELLANEOUS LAND TYPE
ROCK OUTCR	MISCELLANEOUS LAND TYPE
ROCK OUTCR	MISCELLANEOUS LAND TYPE
ROCK OUTCR	MISCELLANEOUS LAND TYPE
RUBBLE LAN	MISCELLANEOUS LAND TYPE
SCHISTOSE	MISCELLANEOUS LAND TYPE
SEQUOIA ME	UNCLASSIFIED
SIRRETTA	DYSTRIC XERORTHENTS, SANDY-SKELETAL, MIXED, FRIGID
SIRRETTA F	DYSTRIC XERORTHENTS, SANDY-SKELETAL, MIXED, FRIGID
SMOKEY	DYSTRIC XEROCHREPTS, LOAMY-SKELETAL, MIXED, FRIGID
SMOKEY	DYSTRIC XEROCHREPTS, LOAMY-SKELETAL, MIXED, FRIGID
SMOKEY VAR	DYSTRIC XEROCHREPTS, LOAMY-SKELETAL, MIXED, FRIGID
STECUM FAM	TYPIC CRYORTHENTS, SANDY-SKELETAL, MIXED
TAHOMA	ULTIC HAPLOXERALFS, FINE-LOAMY, MIXED, FRIGID
TAHOMA VAR	ULTIC HAPLOXERALFS, FINE-LOAMY, MIXED, FRIGID
TALLAC	PACHIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
TALLAC	PACHIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
TALLAC F.	PACHIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
TALLAC VAR	PACHIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
TINKER	ANDIC HAPLUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
TINKER	ANDIC HAPLUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
TOEM	DYSTRIC XEROPSAMMENTS, FRIGID, SHALLOW
TYPIC CRYA	TYPIC CRYAQUEPTS, COARSE-LOAMY, MIXED
TYPIC CRYO	TYPIC CRYOFLUVENTS, COARSE-LOAMY, MIXED
TYPIC CRYO	TYPIC CRYOFLUVENTS, SANDY-SKELETAL, MIXED
TYPIC CRYO	TYPIC CRYOPSAMMENTS, MIXED
TYPIC CRYO	TYPIC CRYOFLUVENTS, SANDY-SKELETAL, MIXED
TYPIC CRYO	TYPIC CRYORTHENTS
TYPIC CRYO	TYPIC CRYOFLUVENTS
TYPIC CRYO	TYPIC CRYOFLUVENTS, S, M
TYPIC CRYO	TYPIC CRYORTHENTS, SANDY-SKELETAL, MIXED, SHALLOW
TYPIC CRYO	TYPIC CRYORTHENTS, SANDY-SKELETAL, MIXED
TYPIC CRYO	TYPIC CRYORTHENTS, SANDY-SKELETAL, MIXED
TYPIC CRYU	TYPIC CRYUMBREPTS, LOAMY-SKELETAL, MIXED

TABLE B.4 - COMPTAX
(Component Taxonomy)

compname	class
TYPIC CRYU	TYPIC CRYUMBREPTS,L-S,M
TYPIC HAPL	TYPIC HAPLOXEROLLS
TYPIC XERU	TYPIC XERUMBREPTS
TYPIC XERU	TYPIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
TYPIC XERU	TYPIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
TYPIC XERU	TYPIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
ULTIC HAPL	ULTIC HAPLOXERALFS, LOAMY-SKELETAL, MIXED, FRIGID
UMBREPTS	UMBREPTS
UMPA	DYSTRIC XEROCHREPTS, LOAMY-SKELETAL, MIXED, FRIGID
UMPA FAMIL	DYSTRIC XEROCHREPTS, LOAMY-SKELETAL, MIXED, FRIGID
UNJOINTED	MISCELLANEOUS LAND TYPE
WACA	ANDIC XERUMBREPTS, MEDIAL-SKELETAL, FRIGID
WACA	ANDIC XERUMBREPTS, MEDIAL-SKELETAL, FRIGID
WATER	MISCELLANEOUS LAND TYPE
WINDY	ANDIC XERUMBREPTS, MEDIAL-SKELETAL, FRIGID
WINDY	ANDIC XERUMBREPTS, MEDIAL-SKELETAL, FRIGID
WINDY F. M	ANDIC XERUMBREPTS, MEDIAL-SKELETAL, FRIGID
WINDY F.,D	ANDIC XERUMBREPTS, MEDIAL-SKELETAL, FRIGID
WINTONER F	ULTIC HAPLOXERALFS, FINE-LOAMY, MIXED, FRIGID
WOODSEYE	LITHIC XERUMBREPTS, LOAMY-SKELETAL, MIXED, FRIGID
WOODSEYE V	DYSTRIC LITHIC XEROCHREPTS, LOAMY-SKELETAL, MIXED, FRIGID
XERORTHENT	XERORTHENTS
XERUMBREPT	XERUMBREPTS

TABLE B.5 - LAYER
(Horizon Layers)

muid	compname	layernum	laydepl	laydeph	texture	inch3l	inch3h	no10l	no10h
719AcE	AHART	1	0	18	GR-SL	0	5	50	75
719AcE	AHART	2	18	31	GR-SL GR-FSL GR-L	0	5	50	75
719AcE	AHART	3	31	35	WB				
719AeF	LEDMOUNT VARIANT	1	0	4	GRV-SL GR-L	10	15	30	50
719AeF	LEDMOUNT VARIANT	2	4	19	GRV-SL GR-L	10	15	30	50
719AeF	LEDMOUNT VARIANT	3	19	23	UB	0	0	0	0
719AqB	AQUOLLS	1	0	15	COS C	0	20	60	100
719AqB	AQUOLLS	2	15	30	SL C	0	20	60	100
719AqB	BOROLLS	1	0	15	COS C	0	20	60	100
719AqB	BOROLLS	2	15	30	SL C	0	20	60	100
719BcE	BUCKING	1	0	11	LS	0	0	75	95
719BcE	BUCKING	2	11	51	LS LCOS	0	0	75	95
719BcE	BUCKING	3	51	55	WB				
719BcG	BUCKING VA	1	0	11	LCOS	0	0	75	95
719BcG	BUCKING VA	2	11	29	LCOS	0	0	75	95
719BcG	BUCKING VA	3	29	33	WB				
719CeE	CELIO	1	0	5	GR-LS GR-SL GR-VFSL	0	30	60	80
719CeE	CELIO	2	5	12	GR-LS GR-SL GR-VFSL	0	30	60	80
719CeE	CELIO	3	12	30	GRV-LCOS CBV-LS	5	30	20	70
719CeE	CELIO	4	30	40	GRX-LCOS CBV-LS	5	30	20	70
719CeE	CELIO	5	40	44	CEM				
719CiF	CINDER LAN	1	0	9	ST-SL	10	25	75	90
719CiF	CINDER LAN	2	9	24	ST-CL	10	25	75	90
719CiF	CINDER LAN	3	24	60	CL C	0	5	75	95
719CkE	CHAIX VARI	1	0	10	GR-SL	0	0	50	75
719CkE	CHAIX VARI	2	10	22	SL COSL	0	0	75	85
719CkE	CHAIX VARI	3	22	26	WB				
719CyD	CRYUMBREPTS, WET	1	0	15	ST-SL GR-CL	20	30	60	80
719CyD	CRYUMBREPTS, WET	2	15	30	ST-L GR-CL	20	30	60	80
719CyD	CRYUMBREPTS, WET	3	30	60	ST-L GR-CL	20	30	50	70
719EvB	INVILLE	1	0	6	CB-COSL CB-SL	0	5	50	75
719EvB	INVILLE	2	6	30	CBV-LCOS CBV-COSL	10	20	20	50
719EvB	INVILLE	3	30	60	CBX-LCOS CBX-COSL	10	20	10	25
719ExE	LORACK VAR	1	0	7	GR-L	0	10	50	75
719ExE	LORACK VAR	2	7	25	GRV-SCL GRV-CL	10	35	35	55
719ExE	LORACK VAR	3	25	36	GRX-SL	10	20	15	25
719ExE	LORACK VAR	4	36	60	CEM				
719FtE	FUGAWEE	1	0	13	ST-SL	5	15	55	75
719FtE	FUGAWEE	2	13	35	GR-CL CL	0	5	55	80
719FtE	FUGAWEE	3	35	39	WB				
719FtE	TAHOMA	1	0	2	ST-SL GR-L	5	25	55	75
719FtE	TAHOMA	2	2	8	ST-SL GR-L	5	25	55	75
719FtE	TAHOMA	3	8	14	GRV-SCL GR-CL L	0	10	60	95
719FtE	TAHOMA	4	14	25	GRV-SCL GR-CL L	0	10	60	95
719FtE	TAHOMA	5	25	41	GR-SCL GRV-CL L	0	10	60	95
719FtE	TAHOMA	6	41	45	WB				
719GbF	CELIO VARI	1	0	2	GR-SL	0	5	50	75
719GbF	CELIO VARI	2	2	10	ST-SL	20	30	70	80
719GbF	CELIO VARI	3	10	60	STV-LCOS STV-LS	50	60	65	75
719GeC	GEFO	1	0	15	LS	0	0	75	95
719GeC	GEFO	2	15	60	LS LCOS COS	0	0	75	95
719GiD	GEFO VARIA	1	0	43	VFSL	0	0	85	95
719GiD	GEFO VARIA	2	43	60	L	0	0	85	95
719JwF	JORGE	1	0	6	ST-SL	5	25	40	75
719JwF	JORGE	2	6	13	ST-SL	5	25	40	75

TABLE 8.5 - LAYER
(Horizon Layers)

muid	compname	layernum	laydepl	laydeph	texture	inch3l	inch3h	no10l	no10h
719JwF	JORGE	3	13	20	GRV-L GRV-CL GRV-SC	5	20	25	50
719JwF	JORGE	4	20	31	GRV-L GRV-CL GRV-SC	5	20	25	50
719JwF	JORGE	5	31	41	GRV-L GRV-CL GRV-SC	5	20	25	50
719JwF	JORGE	6	41	47	GRV-L GRV-CL GRV-SC	5	20	25	50
719JwF	JORGE	7	47	51	WB				
719LcE	LEDFORD	1	0	4	GR-SL SL	0	5	60	95
719LcE	LEDFORD	2	4	15	GR-SL SL	0	5	60	95
719LcE	LEDFORD	3	15	33	GR-SL SL	0	5	60	95
719LcE	LEDFORD	4	33	41	GR-SL GRV-SL GR-COSL	0	10	35	70
719LcE	LEDFORD	5	41	56	GR-SL GRV-SL GR-COSL	0	10	35	70
719LcE	LEDFORD	6	56	60	WB				
719LcF	LEDFORD VA	1	0	3	FSL	0	0	75	100
719LcF	LEDFORD VA	2	3	28	GR-SL	0	0	50	75
719LcF	LEDFORD VA	3	28	32	WB				
719LoE	LORACK	1	0	8	GRV-FSL GRV-L GR-L	0	10	40	50
719LoE	LORACK	2	8	56	GRV-L GR-CL GRV-SICL	10	35	35	60
719LoE	LORACK	3	56	60	GRV-SL CEM				
719MhG	GULLIED LA	1	0	60					
719MiE	MEISS	1	0	9	GR-SL	5	15	55	80
719MiE	MEISS	2	9	19	GR-SL GR-L	5	15	55	80
719MiE	MEISS	3	19	23	UWB				
719MrE	FUGAWEE VA	1	0	5	L	0	0	75	95
719MrE	FUGAWEE VA	2	5	18	CL CB-CL	5	15	75	95
719MrE	FUGAWEE VA	3	18	22	WB				
719MuE	HOTAW VARI	1	0	4	GR-L	0	0	50	75
719MuE	HOTAW VARI	2	4	38	GR-CL	0	0	50	75
719MuE	HOTAW VARI	3	38	42	WB				
719MuE	TAHOMA VAR	1	0	14	GR-L	0	0	50	75
719MuE	TAHOMA VAR	2	14	48	CL	0	0	90	95
719MuE	TAHOMA VAR	3	48	52	WB				
719RuG	WOODSEYE V	1	0	14	GRV-SL	0	5	30	50
719RuG	WOODSEYE V	2	14	18	UWB				
719SmE	SMOKEY	1	0	4	GR-SL	5	15	55	80
719SmE	SMOKEY	2	4	14	GRV-L GRV-SIL	5	20	30	50
719SmE	SMOKEY	3	14	24	GRV-SIL GRV-SL GRV-L	5	20	20	45
719SmE	SMOKEY	4	24	28	WB				
719SmE	SMOKEY VAR	1	0	3	GR-SL	5	15	55	80
719SmE	SMOKEY VAR	2	3	34	GRV-L GRV-SL	5	15	30	50
719SmE	SMOKEY VAR	3	34	47	GRX-SIL	5	15	20	30
719SmE	SMOKEY VAR	4	47	51	WB				
719TbE	TALLAC	1	0	6	GRV-SL	5	10	30	50
719TbE	TALLAC	2	6	16	GRV-SL	5	10	30	50
719TbE	TALLAC	3	16	22	CBV-COSL CBV-L	30	55	45	65
719TbE	TALLAC	4	22	41	GRV-COSL GRV-L	5	20	30	50
719TbE	TALLAC	5	41	60	CEM				
719TiE	TINKER	1	0	5	CBV-COSL GRV-SL CB-L	15	35	65	90
719TiE	TINKER	2	5	21	CBV-COSL GRV-SL CBV-L	15	35	65	90
719TiE	TINKER	3	21	33	CBV-L CBV-SL CBV-COSL	40	50	50	75
719TiE	TINKER	4	33	45	CBV-COSL STV-SL CB-L	40	55	25	75
719TiE	TINKER	5	45	60	CBV-COSL CBX-COSL	40	55	25	75
719UmE	UMPA	1	0	3	ST-SL	5	20	50	70
719UmE	UMPA	2	3	16	GR-SL GR-L	5	10	50	70
719UmE	UMPA	3	16	24	GRV-SL GRV-L	5	10	25	50
719UmE	UMPA	4	24	28	UWB				
719WaE	WINDY	1	0	6	CB-COSL GR-SL	0	15	50	75

TABLE 8.5 - LAYER
(Horizon Layers)

muid	compname	layernum	laydepl	laydeph	texture	inch3l	inch3h	no10l	no10h
719WaE	WINDY	2	6	17	CB-COSL GR-SL	0	15	50	75
719WaE	WINDY	3	17	35	CBV-SL GRV-FSL	5	20	30	55
719WaE	WINDY	4	35	46	CBV-SL GRV-FSL	5	20	30	55
719WaE	WINDY	5	46	50	WB				
719WaF	WACA	1	0	12	CB-SL	10	20	50	75
719WaF	WACA	2	12	32	GRV-COSL GRV-SL GRV-L	5	15	25	50
719WaF	WACA	3	32	36	WB				
719WoG	WOODSEYE	1	0	7	GRV-SL	0	5	20	50
719WoG	WOODSEYE	2	7	14	GRV-SL GRV-L GRV-SL	5	20	15	35
719WoG	WOODSEYE	3	14	19	STX-L STX-SL	30	50	20	50
719WoG	WOODSEYE	4	19	23	UWB				
719XxE	JORGE VARI	1	0	11	GR-L	0	0	50	75
719XxE	JORGE VARI	2	11	23	GRV-L	0	5	35	50
719XxE	JORGE VARI	3	23	35	GRV-CL	0	5	35	50
719XxE	JORGE VARI	4	35	39	WB				
724102	ANDIC CRYUMBREPTS	1	0	11	CB-SL	30	40	70	80
724102	ANDIC CRYUMBREPTS	2	11	24	CB-SL CB-L	30	50	70	80
724102	ANDIC CRYUMBREPTS	3	24	30	CB-SL	30	50	70	80
724102	ANDIC CRYUMBREPTS	4	30	34	WB	0	0	70	80
724103	AQUEPTS	1	0	18	SIL	0	20	60	100
724103	AQUEPTS	2	18	28	SICL	0	20	60	100
724103	AQUEPTS	3	28	36	CL	0	20	60	100
724103	AQUEPTS	4	36	60	GR-SCL	0	20	60	100
724103	UMBREPTS	1	0	12	GR-SL FSL GR-SCL	0	20	20	90
724103	UMBREPTS	2	12	20	GR-SL FSL GR-SCL	10	30	20	90
724103	UMBREPTS	3	20	60	GRV-SL FSL	10	40	20	90
724120	CRYUMBREPTS	1	0	3	GR-LS SL L	10	30	60	80
724120	CRYUMBREPTS	2	3	17	GR-LS CB-SL L	10	30	60	80
724120	CRYUMBREPTS	3	17	60	GR-LS CB-SL L	10	30	60	80
724128	GERLE	1	0	3	COSL	0	15	75	95
724128	GERLE	2	3	12	COSL	0	15	75	95
724128	GERLE	3	12	18	CB-COSL GR-SL SL	0	15	75	95
724128	GERLE	4	18	30	CB-COSL GR-SL SL	0	15	75	95
724128	GERLE	5	30	41	CB-COSL GR-SL SL	0	15	75	95
724128	GERLE	6	41	60	CB-SL GR-SL	0	40	60	90
724128	TALLAC	1	0	29	CBV-SL	30	55	45	65
724128	TALLAC	2	29	60	GRV-COSL GRV-L	5	20	30	50
724131	HANGTOWN	1	0	3	GR-FSL	5	25	65	80
724131	HANGTOWN	2	3	24	GRV-FSL GRV-SL	25	45	40	65
724131	HANGTOWN	3	24	46	CBV-FSL STV-SL	40	50	45	70
724131	HANGTOWN	4	46	50	WB				
724132	SMOKEY	1	0	3	GR-L	5	15	55	80
724132	SMOKEY	2	3	16	GRV-L GRV-SIL	5	20	30	50
724132	SMOKEY	3	16	34	GRV-SL GRV-L GRV-SIL	5	20	20	45
724132	SMOKEY	4	34	38	WB				
724157	LEDFORD	1	0	12	SL	0	0	75	95
724157	LEDFORD	2	12	37	GR-SL GR-COSL	0	0	50	75
724157	LEDFORD	3	37	47	GR-SL GRV-SL GR-COSL	0	0	35	70
724157	LEDFORD	4	47	51	WB				
724158	NOTNED	1	0	4	BY-COSL CB-SL	15	25	65	90
724158	NOTNED	2	4	16	CB-LS CB-COSL	15	25	65	90
724158	NOTNED	3	16	35	CBV-COSL CBV-SL	35	55	50	70
724158	NOTNED	4	35	46	CBV-COSL CBV-SL	35	55	50	70
724158	NOTNED	5	46	54	STV-LCOS CBV-LCOS	0	50	50	70
724158	NOTNED	6	54	60	STV-LCOS CBV-LCOS	0	50	50	70

TABLE B.5 - LAYER
(Horizon Layers)

muid	compname	layernum	laydepl	laydeph	texture	inch3l	inch3h	no10l	no10h
724162	LITHIC CRYUMBREPTS	1	0	3	GRV-SL GR-FSL GR-L	10	20	50	75
724162	LITHIC CRYUMBREPTS	2	3	12	GRV-SL GR-FSL GR-L	10	20	50	75
724162	LITHIC CRYUMBREPTS	3	12	19	GRX-SL GRV-SL GRV-L	20	30	30	50
724162	LITHIC CRYUMBREPTS	4	19	23	UB				
724164	LITHIC XERUMBREPTS	1	0	10	S GR-LS L	0	20	50	70
724164	LITHIC XERUMBREPTS	2	10	13	S CB-COSL L	20	40	50	80
724164	LITHIC XERUMBREPTS	3	13	17	UB	0	0	0	0
724165	LUMBERLY	1	0	10	GR-COSL	0	5	50	75
724165	LUMBERLY	2	10	33	GR-COSL	0	5	50	75
724165	LUMBERLY	3	33	37	WB				
724191	ORTHENTS	1	0	2	GRV-LS SL L	0	10	40	60
724191	ORTHENTS	2	2	6	GRV-LS SL L	10	40	40	60
724191	ORTHENTS	3	6	36	GRV-LS SL L	10	40	40	60
724191	ORTHENTS	4	36	40	WB	0	0	0	0
724204	TALLAC VAR	1	0	3	GR-FSL	5	15	55	70
724204	TALLAC VAR	2	3	23	GRV-FSL	10	25	35	55
724204	TALLAC VAR	3	23	38	CBV-FSL STV-SL	25	45	40	60
724204	TALLAC VAR	4	38	42	WB				
724205	TINKER	1	0	18	CBV-COSL CB-SL	15	35	65	90
724205	TINKER	2	18	36	CBV-L CBV-SL CBV-COSL	40	50	50	75
724205	TINKER	3	36	41	CBV-COSL CBV-SL	40	55	25	75
724205	TINKER	4	41	45	CEM				
724216	WACA	1	0	3	CB-COSL CB-SL	10	20	50	75
724216	WACA	2	3	8	CB-COSL GR-SL	10	20	50	75
724216	WACA	3	8	16	CBV-COSL CBV-SL	20	30	30	50
724216	WACA	4	16	27	CBV-COSL CBV-SL	20	30	30	50
724216	WACA	5	27	31	WB				
724216	WINDY	1	0	7	GR-SL	0	15	50	75
724216	WINDY	2	7	16	CBV-SL CBV-L	30	50	35	65
724216	WINDY	3	16	60	CBX-SL GRV-L	5	20	30	55
724220	XERUMBREPTS	1	0	14	CBV-LS CBV-COSL SL	40	50	60	80
724220	XERUMBREPTS	2	14	51	CBX-LS CBX-COSL SL	50	60	50	60
724220	XERUMBREPTS	3	51	60	CBX-LS CBX-COSL SL	50	60	30	40
731101	ANDIC CRYUMBREPTS	1	0	9	GR-L	0	10	60	70
731101	ANDIC CRYUMBREPTS	2	9	16	GR-L	0	10	70	80
731101	ANDIC CRYUMBREPTS	3	16	26	GRV-SL GR-SL	20	30	50	70
731101	ANDIC CRYUMBREPTS	4	26	30	WB	0	0	0	0
731106	ENTIC CRYUMBR, M.D.	1	0	4	BY-LCOS	20	30	60	70
731106	ENTIC CRYUMBR, M.D.	2	4	14	STV-LCOS	20	30	60	70
731106	ENTIC CRYUMBR, M.D.	3	14	25	CBV-LCOS GR-LS	30	40	60	70
731106	ENTIC CRYUMBR, M.D.	4	25	29	UB				
731107	ENTIC CRYUMBREPTS,D.	1	0	4	CB-SL GR-L	10	20	60	70
731107	ENTIC CRYUMBREPTS,D.	2	4	14	STV-LS SL	30	40	60	70
731107	ENTIC CRYUMBREPTS,D.	3	14	50	STV-LS SL FSL	30	40	60	70
731107	ENTIC CRYUMBREPTS,D.	4	50	60	0	30	40	60	70
731114	GERLE F.,B	1	0	10	BYV-SL	0	15	75	95
731114	GERLE F.,B	2	10	40	SL COSL	0	15	75	95
731114	GERLE F.,B	3	40	60	CB-SL GR-SL	0	40	60	90
731116	GERLE F.,D	1	0	10	LS GR-COSL SL	0	15	75	95
731116	GERLE F.,D	2	10	52	GR-COSL COSL SL	5	15	75	95
731116	GERLE F.,D	3	52	60	GR-COSL COSL SL	20	60	60	90
731124	GERLE F.MD	1	0	10	LS GR-COSL SL	0	15	75	95
731124	GERLE F.MD	2	10	30	GR-COSL COSL SL	0	15	75	95
731124	GERLE F.MD	3	30	40	GR-COSL COSL SL	0	40	60	90
731147	INVILLE F.	1	0	4	GR-SL FSL GRV-L	5	10	40	60

TABLE 8.5 - LAYER
(Horizon Layers)

mukey	compname	layernum	laydepl	laydeph	texture	incn3l	incn3h	no10l	no10h
731147	INVILLE F.	2	4	19	GR-SL FSL GRV-L	4	10	40	60
731147	INVILLE F.	3	19	50	L CBV-CL	25	50	30	50
731147	INVILLE F.	4	50	54	UB				
731150	INVILLE FM	1	0	10	GR-SL FSL GRV-L	5	10	60	75
731150	INVILLE FM	2	10	25	L CBV-CL	20	40	30	50
731150	INVILLE FM	3	25	29	UB				
731163	LITHIC CRYOPSAMMENTS	1	0	4	GR-LS LS	0	10	70	90
731163	LITHIC CRYOPSAMMENTS	2	4	9	GR-LCOS GR-LS	0	10	60	80
731163	LITHIC CRYOPSAMMENTS	3	9	19	GR-LCOS GR-LS	10	20	60	70
731163	LITHIC CRYOPSAMMENTS	4	19	23	UB				
731165	LITHIC CRYUMBREPTS	1	0	5	GRV-FSL L	0	40	30	90
731165	LITHIC CRYUMBREPTS	2	5	9	WB	0	0	0	0
731168	LITHIC XEROPSAMMENTS	1	0	5	GRV-LCOS CB-LCOS	0	30	50	70
731168	LITHIC XEROPSAMMENTS	2	5	15	GRV-LCOS CB-LCOS	0	30	50	70
731168	LITHIC XEROPSAMMENTS	3	15	19	UB	0	0	0	0
731174	LITHIC XERUMBREPTS	1	0	7	GR-LS SL L	0	20	50	70
731174	LITHIC XERUMBREPTS	2	7	17	GR-LS SL L	0	20	50	70
731174	LITHIC XERUMBREPTS	4	17	21	UB	0	0	50	70
731194	WINDY F.,D	1	0	7	GR-COSL GR-FSL GR-L	0	5	50	75
731194	WINDY F.,D	2	7	15	GRV-COSL GRV-FSL GR-L	10	20	30	50
731194	WINDY F.,D	3	15	52	GRV-COSL GRV-FSL GR-L	10	20	40	60
731194	WINDY F.,D	4	52	56	WB				
731195	WINDY F.,M	1	0	5	GR-COSL GR-FSL GR-L	0	5	50	75
731195	WINDY F.,M	2	5	15	GRV-COSL GRV-FSL GR-L	10	20	30	50
731195	WINDY F.,M	3	15	29	GRV-COSL GRV-FSL GR-L	10	20	40	60
731195	WINDY F.,M	4	29	33	WB				
731197	WINTONER F	1	0	5	GRV-SL GR-FSL GR-L	5	15	40	60
731197	WINTONER F	2	5	13	GRV-SL GR-FSL GRV-L	5	15	40	60
731197	WINTONER F	3	13	22	GR-SL GR-L GR-CL	0	5	60	70
731197	WINTONER F	4	22	36	GR-SL GR-L CL	0	5	80	90
731197	WINTONER F	5	36	60	GR-SL GR-L CL	0	5	90	100
731199	TALLAC F.	1	0	7	CB-SL	30	40	60	80
731199	TALLAC F.	2	7	30	CBV-SL CBV-L	30	55	60	80
731199	TALLAC F.	3	30	60	GRV-COSL CBV-SL	50	70	60	90
750104	AQUIC DYST XEROCHREP	1	0	5	SL	0	10	80	90
750104	AQUIC DYST XEROCHREP	2	5	18	CB-COSL	20	30	80	90
750104	AQUIC DYST XEROCHREP	3	18	28	CB-COSL	20	30	80	90
750104	AQUIC DYST XEROCHREP	4	28	48	GR-COSL	0	10	60	70
750104	AQUIC DYST XEROCHREP	5	48	60	COSL	0	10	80	100
750112	CANNELL FA	1	0	7	GR-COSL	0	5	60	75
750112	CANNELL FA	2	7	50	GR-SL GR-COSL CL	0	5	60	85
750112	CANNELL FA	3	50	54	WB				
750113	LITHIC XEROPSAMMENTS	1	0	6	GR-LCOS GR-SL	0	5	60	85
750113	LITHIC XEROPSAMMENTS	2	6	13	GR-COS GR-LCOS	0	5	60	85
750113	LITHIC XEROPSAMMENTS	3	13	19	GR-COS GR-LCOS	0	5	60	85
750113	LITHIC XEROPSAMMENTS	4	19	23	UB				
750115	CAGWIN FAM	1	0	5	GR-LCOS LS GR-SL	0	5	55	80
750115	CAGWIN FAM	2	5	17	GR-LCOS LS GR-SL	0	5	60	100
750115	CAGWIN FAM	3	17	32	GR-LCOS LCOS LS	0	5	50	100
750115	CAGWIN FAM	4	32	36	WB				
750131	DYSTRIC XEROCHREPTS	1	0	5	GR-COSL FSL	20	30	70	90
750131	DYSTRIC XEROCHREPTS	2	5	32	CB-COSL GR-FSL	20	40	60	70
750131	DYSTRIC XEROCHREPTS	3	32	36	WB	0	0	0	0
750131	TYPIC XERUMBREPTS	1	0	5	GR-SL L	0	10	70	90
750131	TYPIC XERUMBREPTS	2	5	10	GR-L	0	10	70	90

TABLE B.5 - LAYER
(Horizon Layers)

muid	compname	layernum	laydepl	laydeph	texture	inch3l	inch3h	no10l	no10h
750131	TYPIC XERUMBREPTS	3	10	22	GR-SL GR-L	10	20	60	70
750131	TYPIC XERUMBREPTS	4	22	39	GRV-COSL SL	30	40	50	60
750131	TYPIC XERUMBREPTS	5	39	60	GRX-LS GR-SL	10	30	30	70
750132	ENTIC CRYUMBREPTS	1	0	4	GR-LCOS GR-LS	0	10	60	70
750132	ENTIC CRYUMBREPTS	2	4	11	GR-LCOS GR-LS	0	10	60	70
750132	ENTIC CRYUMBREPTS	3	11	27	STV-LCOS	40	60	50	70
750132	ENTIC CRYUMBREPTS	4	27	31	UB				
750134	GERLE FAMI	1	0	14	GR-COSL SL	5	15	70	90
750134	GERLE FAMI	2	14	26	CB-COSL SL	15	25	70	90
750134	GERLE FAMI	3	26	38	CB-LCOS COSL	15	25	70	90
750134	GERLE FAMI	4	38	42	WB				
750143	ENTIC XERU	1	0	8	COSL SL	0	5	70	90
750143	ENTIC XERU	2	8	18	GR-LCOS GR-COSL	0	0	60	70
750143	ENTIC XERU	3	18	22	WB				
750143	LEDFORD FA	1	0	18	GR-COSL SL L	0	5	70	95
750143	LEDFORD FA	2	18	36	GR-COSL COSL GR-LCOS	0	5	65	85
750143	LEDFORD FA	3	36	60	GR-COSL COSL GR-LCOS	0	5	65	85
750149	CRYORTHENTS	1	0	21	CBV-LCOS	40	50	60	80
750149	CRYORTHENTS	2	21	39	STV-LCOS CBV-LCOS	40	60	70	80
750149	CRYORTHENTS	3	39	43	UB	0	0	0	0
750158	SIRRETTA F	1	0	1	GR-LCOS GR-COSL SL	5	15	65	75
750158	SIRRETTA F	2	1	7	GR-LCOS GR-COSL SL	5	15	65	75
750158	SIRRETTA F	3	7	30	CBV-LCOS GRV-COSL	30	40	50	70
750158	SIRRETTA F	4	30	45	CBX-LCOS GRV-LCOS	20	50	40	60
750158	SIRRETTA F	5	45	60	CBX-LCOS GRV-LCOS	20	50	40	60
750162	STECUM FAMILY	1	0	9	ST-COSL STX-SL	30	50	60	80
750162	STECUM FAMILY	2	9	16	CB-LCOS ST-SL	20	40	60	70
750162	STECUM FAMILY	3	16	23	CBV-LCOS STV-SL	40	50	60	80
750162	STECUM FAMILY	4	23	31	CBV-LCOS STV-SL	40	50	50	70
750162	STECUM FAMILY	5	31	44	CBV-LCOS STX-SL	50	60	40	50
750162	STECUM FAMILY	6	44	60	CBX-LCOS GRX-S	50	60	40	50
750163	AQUIC CRYU	1	0	14	SL L	0	5	80	100
750163	AQUIC CRYU	2	14	20	GR-LCOS COSL GR-SL	0	10	80	100
750163	AQUIC CRYU	3	20	60	GR-COS GR-LCOS COSL	10	25	80	100
750174	UMPA FAMILY	1	0	6	BY-SL CBV-SL GR-SL	10	30	80	100
750174	UMPA FAMILY	2	6	18	STV-COSL CBV-SL	50	70	80	100
750174	UMPA FAMILY	3	18	32	CBX-SL GRV-SL CBV-L	50	70	70	90
750174	UMPA FAMILY	4	32	48	STV-COSL STV-COSL	50	70	70	90
750174	UMPA FAMILY	5	48	60	STX-COSL STV-COSL	60	80	70	90
760219	CHESAW FAM	1	0	16	CBX-LCOS ST-SL	70	90	65	90
760219	CHESAW FAM	2	16	30	STV-LCOS GRV-SL	30	40	25	50
760219	CHESAW FAM	3	30	34	WB				
760303	MONACHE	1	0	23	FSL VFSL L	0	0	90	100
760303	MONACHE	2	23	36	SL L	0	0	75	100
760303	MONACHE	3	36	60	GRSL SL L	0	0	60	70
760309	TYPIC HAPL	1	0	14	GR-SL FSL L	0	10	90	100
760309	TYPIC HAPL	2	14	26	GR-SL FSL	0	0	75	100
760309	TYPIC HAPL	3	26	39	GRV-COS GR-LS	0	0	30	50
760310	CAGWIN VAR	1	0	4	LCOS LS	0	5	90	100
760310	CAGWIN VAR	2	4	60	GR-LCOS GR-LS	0	5	60	70
760311	MONACHE VARIANT	1	0	16	SL L SIL	0	0	90	100
760311	MONACHE VARIANT	2	16	26	SL L SIL	0	0	90	100
760311	MONACHE VARIANT	3	26	37	L SIL SICL	0	0	75	100
760311	MONACHE VARIANT	4	37	60	L SIL SICL	0	0	75	100
760311	SEQUOIA MEADOW	18	0	8	LS	0	0	90	100

TABLE B.5 - LAYER
(Horizon Layers)

muid	compname	layernum	laydepl	laydeph	texture	inch3l	inch3h	no10l	no10h
760311	SEQUOIA MEADOW	28	8	18	LS	0	0	90	100
760311	SEQUOIA MEADOW	38	18	30	LS SL	0	0	75	100
760311	SEQUOIA MEADOW	48	30	60	LS	0	0	75	100
760404	XERORTHENTS	1	0	60	STX-S CBX-LS	50	50	0	50
760409	SIRRETTA	1	0	6	GR-COSL	20	40	40	60
760409	SIRRETTA	2	6	24	CBV-LS CBX-LS	40	65	35	65
760409	SIRRETTA	3	24	28	CBV-LS CBX-LS	40	65	35	65
760409	SIRRETTA	4	28	32	UWB				
760603	CANNELL	1	0	7	COSL SL	0	5	60	90
760603	CANNELL	2	7	27	COSL SL	0	5	60	90
760603	CANNELL	3	27	50	COSL SL	0	5	60	90
760603	CANNELL	4	50	54	WB				
760609	TOEM	1	0	3	GR-LS LS	5	10	70	90
760609	TOEM	2	3	19	GR-S GR-LCOS LS	0	5	80	90
760609	TOEM	3	19	23	WB				
760610	CAGWIN	1	0	13	LCOS LS	0	5	75	95
760610	CAGWIN	2	13	34	GR-COS GR-LCOS LCOS	0	5	50	90
760610	CAGWIN	3	34	38	WB				
760612	JUMPE FAMILY	1	0	8	SL	0	10	80	90
760612	JUMPE FAMILY	2	8	24	GRV-FSL	20	30	40	60
760612	JUMPE FAMILY	3	24	48	GRV-L	0	10	20	40
760612	JUMPE FAMILY	4	48	52	CBX-FSL GRV-FSL	30	50	10	20
760613	BALD MOUNTAIN	1	0	9	L SIL	0	10	80	100
760613	BALD MOUNTAIN	2	9	24	L SIL	0	10	80	90
760613	BALD MOUNTAIN	3	24	34	L GR-SIL	0	10	70	80
760613	BALD MOUNTAIN	4	34	48	L	0	10	80	90
760613	BALD MOUNTAIN	5	48	52	WB	0	0	0	0
760625	NANNY FAMILY	1	0	6	ST-SL SL	10	30	80	90
760625	NANNY FAMILY	2	6	16	SL	0	10	80	90
760625	NANNY FAMILY	3	16	27	GR-SL GRX-FSL	40	60	30	70
760625	NANNY FAMILY	4	27	47	GRV-LFS GRV-SL	20	30	40	50
760625	NANNY FAMILY	5	47	60	LS LFS	0	10	80	90
760643	GLEAN VARIANT	1	0	12	GRX-FSL GRV-SL	20	40	30	50
760643	GLEAN VARIANT	2	12	30	GRX-SL GRV-FSL	20	40	30	50
760643	GLEAN VARIANT	3	30	37	GRX-COSL GRV-FSL	20	40	30	50
760643	GLEAN VARIANT	4	37	41	UB	0	0	0	0
760645	KRIEST FAM	1	0	5	COSL SL	0	5	80	100
760645	KRIEST FAM	2	5	32	COSL SL	0	5	80	90
760645	KRIEST FAM	3	32	36	WB				
760713	CHUMSTICK FAM	1	0	6	GR-L	5	10	50	60
760713	CHUMSTICK FAM	2	6	10	GRV-L	5	10	45	55
760713	CHUMSTICK FAM	3	10	17	GRV-L	10	15	25	65
760713	CHUMSTICK FAM	4	17	21	UB				
790011	DYSTR CRYOCHR, C-L,M	1	0	5	VFSL FSL GR-SL	0	5	75	100
790011	DYSTR CRYOCHR, C-L,M	2	5	24	VFSL GR-FSL SL	0	10	75	100
790011	DYSTR CRYOCHR, C-L,M	3	24	60	CBV-SL GRV-SL	20	40	70	90
790011	JOINTED GRAN OUTCROP	1	0	0	UB	0	0	0	0
790011	LITHIC CRYUMBR, L, M	1	0	9	FSL VFSL	0	10	80	100
790011	LITHIC CRYUMBR, L, M	2	9	18	GR-SL	0	10	60	80
790011	LITHIC CRYUMBR, L, M	3	18	22	UB	0	0	0	0
790012	GRANIT TALUS	1	0	0	UB	0	0	0	0
790030	LAKE	1	0	0	0	0	0	0	0
790040	PACH CRYOBOR, L-SK,M	1	0	22	STV-FSL CBV-L	40	60	60	80
790040	PACH CRYOBOR, L-SK,M	2	22	60	GRV-SL CBV-SL	30	60	40	60
790051	TYPIC CRYOFLU,S-SK,M	1	0	6	COSL VFSL SIL	0	5	80	100

TABLE 8.5 - LAYER
(Horizon Layers)

muid	compname	layernum	laydepl	laydeph	texture	inch3l	inch3h	no10l	no10h
790051	TYPIC CRYOFLU,S-SK,M	2	6	17	CBV-SL L	0	40	50	70
790051	TYPIC CRYOFLU,S-SK,M	3	17	60	GRX-COS CBX-LS	0	40	20	50
790052	TYPIC CRYUMBR,L-SK,M	1	0	13	STV-SL STVFSL	40	60	60	80
790052	TYPIC CRYUMBR,L-SK,M	2	13	29	CBX-COSL STX-SL	60	80	40	60
790052	TYPIC CRYUMBR,L-SK,M	3	29	41	CBV-LCOS GR-SL	10	70	70	90
790060	LITHIC XERUMBR,L,M,F	1	0	9	GR-FSL	10	30	60	80
790060	LITHIC XERUMBR,L,M,F	2	9	12	CB-FSL	20	40	60	80
790060	LITHIC XERUMBR,L,M,F	3	12	16	UB	0	0	0	0
790060	TYP XERUMBR,L-SK,M,F	1	0	10	CB-SL	20	30	70	90
790060	TYP XERUMBR,L-SK,M,F	2	10	24	CBV-SL CBV-FSL	30	40	50	70
790060	TYP XERUMBR,L-SK,M,F	3	24	32	WB	0	0	0	0
790070	LITH CRYOCHR, L-SK,M	1	0	4	STV-FSL FLX-COSL	60	70	40	60
790070	LITH CRYOCHR, L-SK,M	2	4	15	VGR-LOCS CHX-COSL	50	70	30	50
790070	LITH CRYOCHR, L-SK,M	3	15	19	UB	0	0	0	0
790080	LITHIC CRYOCHR, L, M	1	0	4	GR-SL	0	10	60	80
790080	LITHIC CRYOCHR, L, M	2	4	15	GR-SL	0	10	50	70
790080	LITHIC CRYOCHR, L, M	3	15	17	UB	0	0	0	0
790100	DYSTR CRYOCHR, L-S,M	1	0	6	CB-FSL CBV-FSL	10	60	40	90
790100	DYSTR CRYOCHR, L-S,M	2	6	25	CBV-SL STV-SL	50	70	60	80
790100	DYSTR CRYOCHR, L-S,M	3	25	37	GRV-FSL STV-SL	20	30	40	60
790100	DYSTR CRYOCHR, L-S,M	4	37	60	GRV-SL STV-SL	10	40	40	60
790102	AERIC CRYAQ.,F-L, M	1	0	9	SIL	0	5	90	100
790102	AERIC CRYAQ.,F-L, M	2	9	24	GR-L VGR-L	0	10	50	70
790102	AERIC CRYAQ.,F-L, M	3	24	60	GR-SL GRL	0	10	50	70
790110	TYPIC CRYOFLU, C-L,M	1	0	8	FSL L SIL	0	10	80	100
790110	TYPIC CRYOFLU, C-L,M	2	8	35	FSL ST-FSL SIL	0	40	80	90
790110	TYPIC CRYOFLU, C-L,M	3	35	60	GRV-COS GRV-SL	0	10	40	70
791010	TYP CRYORTH,S-SK,M,S	1	0	3	GRX-COS GRX-LOCS	10	30	20	30
791010	TYP CRYORTH,S-SK,M,S	2	3	7	GRX-COS CBV-LS	10	60	15	90
791010	TYP CRYORTH,S-SK,M,S	3	7	25	WB	0	0	0	0
791022	LITH CRYUMBR, L-SK,M	1	0	4	BYX-COSL GRV-SL	60	80	40	60
791022	LITH CRYUMBR, L-SK,M	2	4	18	STX-COSL	70	80	20	40
791022	LITH CRYUMBR, L-SK,M	3	18	22	UB	0	0	0	0
791025	FELSENMEER	1	0	0	UB	0	0	0	0
791029	ENT XERUMBR,L-SK,M,M	1	0	5	STV-COSL	20	40	40	60
791029	ENT XERUMBR,L-SK,M,M	2	5	19	CBV-COSL	40	60	50	70
791029	ENT XERUMBR,L-SK,M,M	3	19	42	CBV-COSL	50	70	50	70
791029	ENT XERUMBR,L-SK,M,M	4	42	46					
791029	LIT XERUMBR,L-SK,M,M	1	0	10	GRX-COSL CBX-SL	40	50	30	70
791029	LIT XERUMBR,L-SK,M,M	2	10	15	CBX-COSL CBV-COSL	60	80	50	70
791029	LIT XERUMBR,L-SK,M,M	3	15	19	UB	0	0	0	0
791040	TYPIC CRYORTH,S-SK,M	1	0	4	GRV-LS ST-LS	0	20	20	80
791040	TYPIC CRYORTH,S-SK,M	2	4	9	CB-LS GR-LS	10	30	30	50
791040	TYPIC CRYORTH,S-SK,M	3	9	40	GRV-COS CBV-LS	20	60	40	90
791050	TYPIC CRYUMBR,L-SK,M	1	0	8	BYX-COSL CBV-SL	30	70	40	70
791050	TYPIC CRYUMBR,L-SK,M	2	8	21	CBV-SL	40	60	50	70
791050	TYPIC CRYUMBR,L-SK,M	3	21	28	GRV-LS	20	30	50	70
791050	TYPIC CRYUMBR,L-SK,M	4	28	32	UB	0	0	0	0
791060	LIT MOL HAP,L-SK,M,F	1	0	6	GRX-COSL	30	50	20	40
791060	LIT MOL HAP,L-SK,M,F	2	6	10	CB-L	30	50	70	90
791060	LIT MOL HAP,L-SK,M,F	3	10	14	UB	0	0	0	0
791060	LITH XERUMB,L-SK,M,F	1	0	7	CBV-COSL CBV-SL	40	50	60	80
791060	LITH XERUMB,L-SK,M,F	2	7	17	CBV-COSL	50	70	40	60
791060	LITH XERUMB,L-SK,M,F	3	17	21	UB	0	0	0	0
791060	TYP XERUMBR,L-SK,M,F	1	0	8	GRV-FSL	20	30	40	50

TABLE 8.5 - LAYER
(Horizon Layers)

muid	compname	layernum	laydepl	laydeph	texture	inch3l	inch3h	no10l	no10h
791060	TYP XERUMBR,L-SK,M,F	2	8	21	CBV-FSL	30	40	60	70
791060	TYP XERUMBR,L-SK,M,F	3	21	25	UB	0	0	0	0
791081	GRANITIC TALUS	1	0	0	UB	0	0	0	0
791090	HUMIC CRYAQU, S-SK,M	1	0	12	COSL SIL	0	5	90	100
791090	HUMIC CRYAQU, S-SK,M	2	12	23	GR-COSL	0	5	60	90
791090	HUMIC CRYAQU, S-SK,M	3	23	60	CBX-S GRV-COS	60	70	60	80
791090	TYPIC CRYOFLUV, S, M	1	0	8	GR-COS GR-COSL	0	10	60	80
791090	TYPIC CRYOFLUV, S, M	2	8	31	GRV-LCOS GR-LS	0	10	40	80
791090	TYPIC CRYOFLUV, S, M	3	31	60	GRV-COS SIL	0	10	40	60
791110	LIT XERORTH,S-SK,M,F	1	0	2	GRX-COSL	0	10	10	30
791110	LIT XERORTH,S-SK,M,F	2	2	12	GRX-LCOS	0	10	10	30
791110	LIT XERORTH,S-SK,M,F	3	12	16	WB	0	0	0	0
791110	LITH CRYUMBR, S-SK,M	1	0	7	GRX-LCOS STV-LCOS	0	50	20	80
791110	LITH CRYUMBR, S-SK,M	2	7	13	CBV-LCOS GRV-LS	50	60	30	50
791110	LITH CRYUMBR, S-SK,M	3	13	17	UB	0	0	0	0
792012	TYPIC CRYORTH,S-SK,M	1	0	5	STV-COS CBV-LS	10	40	40	50
792012	TYPIC CRYORTH,S-SK,M	2	5	10	GRX-COS CBX-LS	30	50	30	50
792012	TYPIC CRYORTH,S-SK,M	3	10	44	STX-COS CBX-LS	40	50	40	50
792030	LIT XERUMBR,L-SK,M,F	1	0	3	STV-SL	30	40	70	80
792030	LIT XERUMBR,L-SK,M,F	2	3	8	CBV-COSL	30	40	60	70
792030	LIT XERUMBR,L-SK,M,F	3	8	12	UB	0	0	0	0
792031	LITH CRYUMBR, L-SK,M	1	0	4	CBV-COSL CBV-L	30	50	60	70
792031	LITH CRYUMBR, L-SK,M	2	4	10	CBV-SL	30	40	70	80
792031	LITH CRYUMBR, L-SK,M	3	10	14	UB	0	0	0	0
792033	LITH CRYOCHR,L-SK,M	1	0	5	GRV-SL GR-SL	0	10	50	70
792033	LITH CRYOCHR,L-SK,M	2	5	17	GRX-SL GRV-SL	10	30	40	50
792033	LITH CRYOCHR,L-SK,M	3	17	21	UB	0	0	0	0
792037	LITH CRYOPSAMMENTS,M	1	0	6	STV-LCOS	40	60	50	70
792037	LITH CRYOPSAMMENTS,M	2	6	17	CB-COS	20	30	60	80
792037	LITH CRYOPSAMMENTS,M	3	17	21	UB	0	0	0	0
792101	ENT XERUMBR,S-SK,M,F	1	0	4	CBX-COSL GRV-SL	40	50	40	50
792101	ENT XERUMBR,S-SK,M,F	2	4	11	CBX-LS CBV-SL	40	50	20	30
792101	ENT XERUMBR,S-SK,M,F	3	11	23	CBX-LS	60	70	10	20
792101	ENT XERUMBR,S-SK,M,F	4	23	41	STX-LCOS CBX-LS	50	60	20	30
792101	ENTIC XERUMBR, S,M,F	1	0	11	GR-LS	0	10	60	70
792101	ENTIC XERUMBR, S,M,F	2	11	26	GR-LS	0	10	60	70
792101	ENTIC XERUMBR, S,M,F	3	26	45	GR-LS	0	10	60	70
792101	TYP XERUMBR,L-SK,M,F	1	0	10	CBV-COSL	40	50	60	70
792101	TYP XERUMBR,L-SK,M,F	2	10	18	CBV-COSL	40	50	60	70
792101	TYP XERUMBR,L-SK,M,F	3	18	40	STV-LCOS	40	50	60	70
792140	LIT MOL HAP,L-SK,M,F	1	0	8	CBV-SL	30	50	50	70
792140	LIT MOL HAP,L-SK,M,F	2	8	18	CBX-SL	40	60	20	40
792140	LIT MOL HAP,L-SK,M,F	3	18	22	UB	0	0	0	0
792160	TYPIC CRYOPSAMMENT,M	1	0	3	GRV-LCOS	0	10	30	40
792160	TYPIC CRYOPSAMMENT,M	2	3	22	GRX-COS GR-COS	0	10	50	80
792160	TYPIC CRYOPSAMMENT,M	3	22	41	GR-LS	0	10	50	70
792170	DYS CRYOCHR,S-SK,M,S	1	0	4	CBV-LCOS	30	40	50	60
792170	DYS CRYOCHR,S-SK,M,S	2	4	9	GRV-LS	20	30	30	40
792170	DYS CRYOCHR,S-SK,M,S	3	9	27	WB	0	0	0	0
792170	DYS CRYOCHR,S-SK,M,S	4	27	31					
792170	DYSTRIC CRYOCHR, S,M	1	0	7	STV-LCOS	30	40	60	70
792170	DYSTRIC CRYOCHR, S,M	2	7	24	GRV-COS GR-S	0	10	70	80
792170	DYSTRIC CRYOCHR, S,M	3	24	28	GR-S	0	10	60	70
792170	DYSTRIC CRYOCHR, S,M	4	28	40	GR-COS	0	10	60	70
792171	TYPIC CRYOFLU,S-SK,M	1	0	11	GRV-LOCS	0	10	40	60

TABLE B.5 - LAYER
(Horizon Layers)

muid	compname	layernum	laydepl	laydeph	texture	inch3l	inch3h	no10l	no10h
792171	TYPIC CRYOFLU,S-SK,M	2	11	15	GRV-COS	0	10	30	50
792171	TYPIC CRYOFLU,S-SK,M	3	15	35	GRV-COS	0	10	20	40
792172	DYSTR CRYOCHR,S-SK,M	1	0	4	BYX-COSL	60	70	40	50
792172	DYSTR CRYOCHR,S-SK,M	2	4	23	CBV-COSL	40	50	60	70
792172	DYSTR CRYOCHR,S-SK,M	3	23	27	CBX-COS GRX-COS	50	70	40	50
792172	DYSTR CRYOCHR,S-SK,M	4	27	40	CBX-COS	50	70	40	50
792174	TYPIC CRYAQU, C-L, M	1	0	4	SIL	0	10	80	100
792174	TYPIC CRYAQU, C-L, M	2	4	14	SIL	0	10	80	100
792174	TYPIC CRYAQU, C-L, M	3	14	18	L	0	10	80	90
792174	TYPIC CRYAQU, C-L, M	4	18	47	SL	0	10	80	100
792176	AERIC CRYAQU, S-SK,M	1	0	8	GR-L	0	10	60	80
792176	AERIC CRYAQU, S-SK,M	2	8	10	GRV-COSL	10	20	50	60
792176	AERIC CRYAQU, S-SK,M	3	10	60	GRX-COS GR-S	10	20	40	50
792200	ULTIC HAPL, L-SK,M,F	1	0	10	BYX-COSL	70	80	70	90
792200	ULTIC HAPLO,L-SK,M,F	2	10	18	STX-COSL	60	80	40	60
792200	ULTIC HAPLO,L-SK,M,F	3	18	28	STX-COSL	70	90	40	60
792AqF	AQUEPTS, FRIGID	1	0	3	COS	0	5	90	100
792AqF	AQUEPTS, FRIGID	2	3	9	MUCK	0	0	90	100
792AqF	AQUEPTS, FRIGID	3	9	27	SL	0	5	90	100
792AqF	AQUEPTS, FRIGID	4	27	43	COSL	0	5	70	80
792CaQ	CRYAQUEPTS	1	0	4	MUCK	0	5	90	100
792CaQ	CRYAQUEPTS	2	4	10	MUCK	0	0	90	100
792CaQ	CRYAQUEPTS	3	10	15	SL L	0	5	90	100
792CaQ	CRYAQUEPTS	4	15	19	WB				
792CoF	CRYORTHODS	1	0	3	GR-LCOS COSL	0	5	70	80
792CoF	CRYORTHODS	2	3	7	GRV-LCOS	0	20	40	50
792CoF	CRYORTHODS	3	7	27	GRV-LCOS	0	20	40	50
792CoF	CRYORTHODS	4	27	31	UB	0	0	0	0
792EaD	ENTIC CRYUMBR,S-SK,M	1	0	2	STV-S CBV-LS	30	40	70	80
792EaD	ENTIC CRYUMBR,S-SK,M	2	2	11	STV-S CBV-LS	30	40	70	80
792EaD	ENTIC CRYUMBR,S-SK,M	3	11	28	STV-S CBV-LS	30	40	70	80
792EaD	ENTIC CRYUMBR,S-SK,M	4	28	60	STV-S CBV-LS	30	40	70	80
792EbD	ENTIC CRYUMBR, C-L,M	1	0	2	GR-LCOS	0	10	70	80
792EbD	ENTIC CRYUMBR, C-L,M	2	2	11	GR-COSL	0	10	70	80
792EbD	ENTIC CRYUMBR, C-L,M	3	11	28	GR-COSL	0	10	70	80
792EbD	ENTIC CRYUMBR, C-L,M	4	28	60	CBV-COSL	20	30	70	80
792EcF	ENTIC CRYUMBR,L-SK,M	1	0	2	GR-LCOS	0	20	50	70
792EcF	ENTIC CRYUMBR,L-SK,M	2	2	11	GR-COSL	0	10	60	80
792EcF	ENTIC CRYUMBR,L-SK,M	3	11	22	GRV-COSL GR-COSL	0	20	40	50
792EcF	ENTIC CRYUMBR,L-SK,M	4	22	28	GRV-COSL GR-COSL	0	20	40	50
792EcF	ENTIC CRYUMBR,L-SK,M	5	28	60	CBX-COSL	70	80	70	90
792ExbF	ENTIC XERUMBR, S, F	1	0	8	COSL	0	10	80	90
792ExbF	ENTIC XERUMBR, S, F	2	8	14	LCOS GRLCOS	10	20	60	70
792ExbF	ENTIC XERUMBR, S, F	3	14	19	LCOS GRLCOS	10	20	60	70
792ExbF	ENTIC XERUMBR, S, F	4	19	23	WB	0	0	0	0
792ExcG	ENTIC XERUMBREPTS, F	1	0	18	CBV-S GRV-LS	10	20	60	70
792ExcG	ENTIC XERUMBREPTS, F	2	18	24	CBV-S GRV-LS	10	20	60	70
792ExcG	ENTIC XERUMBREPTS, F	3	24	59	CBV-S GRV-LS	20	30	50	60
792ExcG	ENTIC XERUMBREPTS, F	4	59	63	WB	0	0	0	0
792ExdF	ENT XERUMPR, L-SK, F	1	0	18	CBV-COSL GRV-COSL	20	30	40	50
792ExdF	ENT XERUMPR, L-SK, F	2	18	24	STV-COSL CBV-COSL	30	40	50	60
792ExdF	ENT XERUMPR, L-SK, F	3	24	59	STV-COSL CBV-COSL	30	40	50	60
792ExdF	ENT XERUMPR, L-SK, F	4	59	63	WB	0	0	0	0
792Ga	GLACIER	1							
792Gf	GRANITIC FELSENMEER	1			UB				

TABLE B.5 - LAYER
(Horizon Layers)

mu1d	compname	layernum	laydepl	laydeph	texture	inch3l	inch3h	no10l	no10h
792Ggr	GRANITIC GLACIAL RUB	1			UB				
792Gt	GRANITIC TALUS	1			UB				
792Jg	JOINTED GRANITIC OUT	1			UB				
792JgoF	LITHIC XERUMBR,S,M,F	1	0	2	GR-LCOS	0	10	60	70
792JgoF	LITHIC XERUMBR,S,M,F	2	2	5	LCOS	0	10	80	90
792JgoF	LITHIC XERUMBR,S,M,F	3	5	9	UB				
792Jm	JOINTED MAFIC OUTCRO	1			UB				
792Js	JOINTED SCHIST OUTCR	1							
792L	LAKE (UNNAMED)	1							
792LcbF	LITHIC CRYORTHENTS	1	0	2	GRV-LCOS GRV-COSL	0	20	40	50
792LcbF	LITHIC CRYORTHENTS	2	2	17	GRV-LCOS GRV-COSL	0	20	40	50
792LcbF	LITHIC CRYORTHENTS	3	17	21	UB	0	0	0	0
792LueD	LITHIC CRYUMBR, L, M	3	9	13	UB	0	0	0	0
792LueD	LITHIC CRYUMBR, L,M	1	0	2	GRV-LCOS	0	10	40	50
792LueD	LITHIC CRYUMBR, L,M	2	2	9	GRV-COSL	10	20	40	60
792PhxF	PACHIC HAPLUMBREP, F	1	0	3	GR-LCOS COSL	0	10	70	80
792PhxF	PACHIC HAPLUMBREP, F	2	3	15	GR-LCOS COSL	0	10	70	80
792PhxF	PACHIC HAPLUMBREP, F	3	15	30	GR-LCOS COSL	10	20	70	80
792PhxF	PACHIC HAPLUMBREP, F	4	30	60	GR-LCOS COSL	10	20	70	80
792Pxad	PACH XERUMBR, S-SK,F	1	0	3	GRV-LCOS GRV-COSL	10	20	40	50
792Pxad	PACH XERUMBR, S-SK,F	2	3	22	GRV-S GRV-LCOS	10	20	40	50
792Pxad	PACH XERUMBR, S-SK,F	3	22	39	CBV-LCOS GRV-LCOS	20	30	50	60
792Pxad	PACH XERUMBR, S-SK,F	4	39	43	WB				
792PxbD	PACHIC XERUMBR,C-L,F	1	0	3	GR-COSL COSL	0	10	60	80
792PxbD	PACHIC XERUMBR,C-L,F	2	3	6	GR-COSL COSL	0	10	60	80
792PxbD	PACHIC XERUMBR,C-L,F	3	6	22	GR-LCOS GR-COSL	0	10	60	80
792PxbD	PACHIC XERUMBR,C-L,F	4	22	35	GR-LCOS GR-COSL	0	10	60	80
792PxbD	PACHIC XERUMBR,C-L,F	5	35	43	GR-LCOS GR-COSL	0	10	60	80
792PxbD	PACHIC XERUMBR,C-L,F	6	43	60	GR-LCOS GR-COSL	0	10	60	80
792PxbF	PACH XERUMBR,C-L,F,D	1	0	3	GR-COSL COSL	0	10	70	80
792PxbF	PACH XERUMBR,C-L,F,D	2	3	22	GR-COSL COSL	0	10	70	80
792PxbF	PACH XERUMBR,C-L,F,D	3	22	39	CB-COSL COSL	10	20	70	80
792PxbF	PACH XERUMBR,C-L,F,D	4	39	60	CB-COSL COSL	10	20	70	80
792PxdF	PACH XERUMBR, L-SK,F	1	0	3	STV-COSL GR-COSL	20	40	40	60
792PxdF	PACH XERUMBR, L-SK,F	2	3	22	STV-COSL GR-COSL	20	40	40	60
792PxdF	PACH XERUMBR, L-SK,F	3	22	39	STV-COSL GR-COSL	20	40	40	60
792PxdF	PACH XERUMBR, L-SK,F	4	39	43	WB				
792Sf	SHISTOSE FELSENMEER	1			UB				
792TcfD	TYPIC CRYOFLUVENTS	1	0	2	GR-S FSL	0	10	60	70
792TcfD	TYPIC CRYOFLUVENTS	2	2	27	GR-S COSL FSL	0	10	60	70
792TcfD	TYPIC CRYOFLUVENTS	3	27	60	GR-S COSL	0	10	60	70
792TcoF	TYPIC CRYORTHENTS	1	0	2	GR-LCOS	0	10	60	70
792TcoF	TYPIC CRYORTHENTS	2	2	17	CBV-LCOS GRV-LCOS	20	30	40	60
792TcoF	TYPIC CRYORTHENTS	3	17	24	CBV-LCOS GRV-LCOS	20	30	30	60
792TcoF	TYPIC CRYORTHENTS	4	24	28	WB				
792Ut	UNJOINTED GRAN OUTCR	1			UB				

TABLE 8.6 - SOURCE
(Data Source)

muid	compname	layernum	laydepl	laydeph	source
719CeE	CELIO	1	0	5	719CeE-1
719CeE	CELIO	2	5	12	719CeE-2
719CeE	CELIO	3	12	30	719CeE-3
719CeE	CELIO	4	30	40	719CeE-4
719CeE	CELIO	5	40	44	NONSOIL
719FtE	TAHOMA	1	0	2	719FtE-1
719FtE	TAHOMA	2	2	8	719FtE-2
719FtE	TAHOMA	3	8	14	719FtE-3
719FtE	TAHOMA	4	14	25	719FtE-4
719FtE	TAHOMA	5	25	41	719FtE-5
719FtE	TAHOMA	6	41	45	NONSOIL
719JwF	JORGE	1	0	6	719JwF-1
719JwF	JORGE	2	6	13	719JwF-2
719JwF	JORGE	3	13	20	719JwF-3
719JwF	JORGE	4	20	31	719JwF-4
719JwF	JORGE	5	31	41	719JwF-5
719JwF	JORGE	6	41	47	719JwF-5
719JwF	JORGE	7	47	51	NONSOIL
719LcE	LEDFORD	1	0	4	719LcE-1
719LcE	LEDFORD	2	4	15	719LcE-2
719LcE	LEDFORD	3	15	33	719LcE-3
719LcE	LEDFORD	4	33	41	719LcE-4
719LcE	LEDFORD	5	41	56	719LcE-5
719LcE	LEDFORD	6	56	60	NONSOIL
719MiE	MEISS	1	0	9	719MiE-1
719MiE	MEISS	2	9	19	719MiE-2
719MiE	MEISS	3	19	23	NONSOIL
719TbE	TALLAC	1	0	6	719TbE-1
719TbE	TALLAC	2	6	16	719TbE-2
719TbE	TALLAC	3	16	22	719TbE-3
719TbE	TALLAC	4	22	41	719TbE-4
719TbE	TALLAC	5	41	60	719TbE-5
719TiE	TINKER	1	0	5	719TiE-1
719TiE	TINKER	2	5	21	719TiE-2
719TiE	TINKER	3	21	33	719TiE-3
719TiE	TINKER	4	33	45	719TiE-4
719TiE	TINKER	5	45	60	719TiE-5
719WaE	WINDY	1	0	6	719WaE-1
719WaE	WINDY	2	6	17	719WaE-2
719WaE	WINDY	3	17	35	719WaE-3
719WaE	WINDY	4	35	46	719WaE-4
719WaE	WINDY	5	46	50	NONSOIL
719WoG	WOODSEYE	1	0	7	719WoG
719WoG	WOODSEYE	2	7	14	719WoG
719WoG	WOODSEYE	3	14	19	719WoG
719WoG	WOODSEYE	4	19	23	NONSOIL
724128	GERLE	1	0	3	724128-1
724128	GERLE	2	3	12	724128-2
724128	GERLE	3	12	18	724128-3
724128	GERLE	4	18	30	724128-4
724128	GERLE	5	30	41	724128-5
724128	GERLE	6	41	60	724128-6
724132	SMOKEY	1	0	3	724132-1
724132	SMOKEY	2	3	16	724132-2
724132	SMOKEY	3	16	34	724132-3

TABLE 8.6 - SOURCE
(Data Source)

muid	compname	layernum	laydepl	laydepn	source
724132	SMOKEY	4	34	38	NONSOIL
724158	NOTNED	1	0	4	724158-1
724158	NOTNED	2	4	16	724158-2
724158	NOTNED	3	16	35	724158-3
724158	NOTNED	4	35	46	724158-4
724158	NOTNED	5	46	54	724158-5
724158	NOTNED	6	54	60	724158-6
724162	LITHIC CRYUMBREPTS	1	0	3	724162-1
724162	LITHIC CRYUMBREPTS	2	3	12	724162-2
724162	LITHIC CRYUMBREPTS	3	12	19	724162-3
724162	LITHIC CRYUMBREPTS	4	19	23	NONSOIL
724216	WACA	1	0	3	724216-1
724216	WACA	2	3	8	724216-2
724216	WACA	3	8	16	724216-3
724216	WACA	4	16	27	724216-4
724216	WACA	5	27	31	NONSOIL
731101	ANDIC CRYUMBREPTS	1	0	9	731101-1
731101	ANDIC CRYUMBREPTS	2	9	16	731101-2
731101	ANDIC CRYUMBREPTS	3	16	26	731101-3
731101	ANDIC CRYUMBREPTS	4	26	30	NONSOIL
731106	ENTIC CRYUMBR, M.D.	1	0	4	731106-1
731106	ENTIC CRYUMBR, M.D.	2	4	14	731106-2
731106	ENTIC CRYUMBR, M.D.	3	14	25	731106-3
731106	ENTIC CRYUMBR, M.D.	4	25	29	NONSOIL
731116	GERLE F.,D	1	0	10	731116-1
731116	GERLE F.,D	2	10	52	731116-2
731116	GERLE F.,D	3	52	60	731116-3
731147	INVILLE F.	1	0	4	731147-1
731147	INVILLE F.	2	4	19	731147-2
731147	INVILLE F.	3	19	50	731147-3
731147	INVILLE F.	4	50	54	NONSOIL
731163	LITHIC CRYOPSAMMENTS	1	0	4	731163-1
731163	LITHIC CRYOPSAMMENTS	2	4	9	731163-2
731163	LITHIC CRYOPSAMMENTS	3	9	19	731163-3
731163	LITHIC CRYOPSAMMENTS	4	19	23	NONSOIL
731197	WINTONER F	1	0	5	731197-1
731197	WINTONER F	2	5	13	731197-2
731197	WINTONER F	3	13	22	731197-3
731197	WINTONER F	4	22	36	731197-4
731197	WINTONER F	5	36	60	731197-5
750104	AQUIC DYST XEROCHREP	1	0	5	750104-1
750104	AQUIC DYST XEROCHREP	2	5	18	750104-2
750104	AQUIC DYST XEROCHREP	3	18	28	750104-3
750104	AQUIC DYST XEROCHREP	4	28	48	750104-4
750104	AQUIC DYST XEROCHREP	5	48	60	750104-5
750113	LITHIC XEROPSAMMENTS	1	0	6	750113-1
750113	LITHIC XEROPSAMMENTS	2	6	13	750113-2
750113	LITHIC XEROPSAMMENTS	3	13	19	750113-3
750113	LITHIC XEROPSAMMENTS	4	19	23	NONSOIL
750115	CAGWIN FAM	1	0	5	750115-1
750115	CAGWIN FAM	2	5	17	750115-2
750115	CAGWIN FAM	3	17	32	750115-3
750115	CAGWIN FAM	4	32	36	NONSOIL
750131	TYPIC XERUMBREPTS	1	0	5	750131-1
750131	TYPIC XERUMBREPTS	2	5	10	750131-2

TABLE 8.6 - SOURCE
(Data Source)

muid	compname	layernum	laydepl	laydeph	source
750131	TYPIC XERUMBREPTS	3	10	22	750131-3
750131	TYPIC XERUMBREPTS	4	22	39	750131-4
750131	TYPIC XERUMBREPTS	5	39	60	750131-5
750132	ENTIC CRYUMBREPTS	1	0	4	750132-1
750132	ENTIC CRYUMBREPTS	2	4	11	750132-2
750132	ENTIC CRYUMBREPTS	3	11	27	750132-3
750132	ENTIC CRYUMBREPTS	4	27	31	NONSOIL
750158	SIRRETTA F	1	0	1	750158-1
750158	SIRRETTA F	2	1	7	750158-2
750158	SIRRETTA F	3	7	30	750158-3
750158	SIRRETTA F	4	30	45	750158-4
750158	SIRRETTA F	5	45	60	750158-5
750162	STECUM FAMILY	1	0	9	750162-1
750162	STECUM FAMILY	2	9	16	750162-2
750162	STECUM FAMILY	3	16	23	750162-3
750162	STECUM FAMILY	4	23	31	750162-4
750162	STECUM FAMILY	5	31	44	750162-5
750162	STECUM FAMILY	6	44	60	750162-6
750174	UMPA FAMILY	1	0	6	750174-1
750174	UMPA FAMILY	2	6	18	750174-2
750174	UMPA FAMILY	3	18	32	750174-3
750174	UMPA FAMILY	4	32	48	750174-4
750174	UMPA FAMILY	5	48	60	750174-5
760311	MONACHE VARIANT	1	0	16	760311-1
760311	MONACHE VARIANT	2	16	26	760311-2
760311	MONACHE VARIANT	3	26	37	760311-3
760311	MONACHE VARIANT	4	37	60	760311-4
760311	SEQUOIA MEADOW	1B	0	8	760311-1B
760311	SEQUOIA MEADOW	2B	8	18	760311-2B
760311	SEQUOIA MEADOW	3B	18	30	760311-3B
760311	SEQUOIA MEADOW	4B	30	60	760311-4B
760409	SIRRETTA	1	0	6	760409-1
760409	SIRRETTA	2	6	24	760409-2
760409	SIRRETTA	3	24	28	760409-3
760409	SIRRETTA	4	28	32	NONSOIL
760603	CANNELL	1	0	7	760603-1
760603	CANNELL	2	7	27	760603-2
760603	CANNELL	3	27	50	760603-3
760603	CANNELL	4	50	54	NONSOIL
760609	TOEM	1	0	3	760609-1
760609	TOEM	2	3	19	760609-2
760609	TOEM	3	19	23	NONSOIL
760612	JUMPE FAMILY	1	0	8	760612-1
760612	JUMPE FAMILY	2	8	24	760612-2
760612	JUMPE FAMILY	3	24	48	760612-3
760612	JUMPE FAMILY	4	48	52	760612-4
760613	BALD MOUNTAIN	1	0	9	760613-1
760613	BALD MOUNTAIN	2	9	24	760613-2
760613	BALD MOUNTAIN	3	24	34	760613-3
760613	BALD MOUNTAIN	4	34	48	760613-4
760613	BALD MOUNTAIN	5	48	52	NONSOIL
760625	NANNY FAMILY	1	0	6	760625-1
760625	NANNY FAMILY	2	6	16	760625-2
760625	NANNY FAMILY	3	16	27	760625-3
760625	NANNY FAMILY	4	27	47	760625-4

TABLE B.6 - SOURCE
(Data Source)

muid	compname	layernum	laydepl	laydeph	source
760625	NANNY FAMILY	5	47	60	760625-5
792AqF	AQUEPTS, FRIGID	1	0	3	792AqF-1
792AqF	AQUEPTS, FRIGID	2	3	9	792AqF-2
792AqF	AQUEPTS, FRIGID	3	9	27	792AqF-3
792AqF	AQUEPTS, FRIGID	4	27	43	792AqF-4
792CaQ	CRYAQUEPTS	1	0	4	792CaQ-1
792CaQ	CRYAQUEPTS	2	4	10	792CaQ-2
792CaQ	CRYAQUEPTS	3	10	15	792CaQ-3
792CaQ	CRYAQUEPTS	4	15	19	NONSOIL
792EcF	ENTIC CRYUMBR,L-SK,M	1	0	2	792EcF-1
792EcF	ENTIC CRYUMBR,L-SK,M	2	2	11	792EcF-2
792EcF	ENTIC CRYUMBR,L-SK,M	3	11	22	792EcF-3
792EcF	ENTIC CRYUMBR,L-SK,M	4	22	28	792EcF-4
792EcF	ENTIC CRYUMBR,L-SK,M	5	28	60	NONSOIL
792JgoF	LITHIC XERUMBR,S,M,F	1	0	2	792JgoF-1
792JgoF	LITHIC XERUMBR,S,M,F	2	2	5	792JgoF-2
792JgoF	LITHIC XERUMBR,S,M,F	3	5	9	NONSOIL
792LueD	LITHIC CRYUMBR, L, M	1	0	2	792LueD-1
792LueD	LITHIC CRYUMBR, L, M	2	2	9	792LueD-2
792LueD	LITHIC CRYUMBR, L, M	3	9	13	NONSOIL
792PxbD	PACHIC XERUMBR,C-L,F	1	0	3	792PxbD-1
792PxbD	PACHIC XERUMBR,C-L,F	2	3	6	792PxbD-2
792PxbD	PACHIC XERUMBR,C-L,F	3	6	22	792PxbD-3
792PxbD	PACHIC XERUMBR,C-L,F	4	22	35	792PxbD-4
792PxbD	PACHIC XERUMBR,C-L,F	5	35	43	792PxbD-5
792PxbD	PACHIC XERUMBR,C-L,F	6	43	60	NONSOIL
792TcoF	TYPIC CRYORTHENTS	1	0	2	792TcoF-1
792TcoF	TYPIC CRYORTHENTS	2	2	17	792TcoF-2
792TcoF	TYPIC CRYORTHENTS	3	17	24	792TcoF-3
792TcoF	TYPIC CRYORTHENTS	4	24	28	NONSOIL

TABLE 8.7 - PRNTHOR
(Parent Material and Horizonation)

muid	compname	layernum	laydepl	laydeph	horizon	prntmat
719AcE	AHART	1	0	18	A	VOL
719AcE	AHART	2	18	31	A	VOL
719AeF	LEDMOUNT VARIANT	1	0	4	A	VOL
719AeF	LEDMOUNT VARIANT	2	4	19	A	VOL
719AqB	AQUOLLS	1	0	15	A	MIX
719AqB	AQUOLLS	2	15	30	A	MIX
719AqB	BOROLLS	1	0	15	A	MIX
719AqB	BOROLLS	2	15	30	A	MIX
719BcE	BUCKING	1	0	11	A	GRN
719BcE	BUCKING	2	11	51	A	GRN
7198cG	BUCKING VA	1	0	11	A	GRN
719BcG	BUCKING VA	2	11	29	C	GRN
719CeE	CELIO	1	0	5	A	MIX
719CeE	CELIO	2	5	12	A	MIX
719CeE	CELIO	3	12	30	C	MIX
719CeE	CELIO	4	30	40	C	MIX
719CkE	CHAIX VARI	1	0	10	A	GRN
719CkE	CHAIX VARI	2	10	22	B	GRN
719CyD	CRYUMBREPTS, WET	1	0	15	A	MIX
719CyD	CRYUMBREPTS, WET	2	15	30	A	MIX
719CyD	CRYUMBREPTS, WET	3	30	60	B	MIX
719Ev8	INVILLE	1	0	6	A	VOL
719Ev8	INVILLE	2	6	30	B	VOL
719Ev8	INVILLE	3	30	60	C	VOL
719ExE	LORACK VAR	1	0	7	A	VOL
719ExE	LORACK VAR	2	7	25	B	VOL
719ExE	LORACK VAR	3	25	36	C	VOL
719FtE	FUGAWEE	1	0	13	A+B	VOL
719FtE	FUGAWEE	2	13	35	B	VOL
719FtE	TAHOMA	1	0	2	A	VOL
719FtE	TAHOMA	2	2	8	B	VOL
719FtE	TAHOMA	3	8	14	B	VOL
719FtE	TAHOMA	4	14	25	B	VOL
719FtE	TAHOMA	5	25	41	B	VOL
719GbF	CELIO VARI	1	0	2	A	GRN
719GbF	CELIO VARI	2	2	10	A	GRN
719GbF	CELIO VARI	3	10	60	C	GRN
719GeC	GEFO	1	0	15	A	MIX
719GeC	GEFO	2	15	60	C	MIX
719GiD	GEFO VARIA	1	0	43	A	MIX
719GiD	GEFO VARIA	2	43	60	C	MIX
719JwF	JORGE	1	0	6	A	VOL
719JwF	JORGE	2	6	13	A	VOL
719JwF	JORGE	3	13	20	B	VOL
719JwF	JORGE	4	20	31	B	VOL
719JwF	JORGE	5	31	41	B	VOL
719JwF	JORGE	6	41	47	C	VOL
719LcE	LEDFORD	1	0	4	A	GRN
719LcE	LEDFORD	2	4	15	A	GRN
719LcE	LEDFORD	3	15	33	A	GRN
719LcE	LEDFORD	4	33	41	C	GRN
719LcE	LEDFORD	5	41	56	C	GRN
719LcF	LEDFORD VA	1	0	3	A	GRN
719LcF	LEDFORD VA	2	3	28	A+C	GRN
719LoE	LORACK	1	0	8	A	MIX

TABLE 8.7 - PRNTHOR
(Parent Material and Horizonation)

muid	compname	layernum	laydepl	laydeph	horizon	prntmat
719LoE	LORACK	2	8	56	B	MIX
719MiE	MEISS	1	0	9	A	VOL
719MiE	MEISS	2	9	19	A	VOL
719MrE	FUGAWEE VA	1	0	5	A	VOL
719MrE	FUGAWEE VA	2	5	18	B	VOL
719MuE	HOTAW VARI	1	0	4	A	GRN
719MuE	HOTAW VARI	2	4	38	B	GRN
719MuE	TAHOMA VAR	1	0	14	A+B	GRN
719MuE	TAHOMA VAR	2	14	48	B	GRN
719RuG	WOODSEYE V	1	0	14	A	VOL
719SmE	SMOKEY	1	0	4	A	MTS
719SmE	SMOKEY	2	4	14	B	MTS
719SmE	SMOKEY	3	14	24	C	MTS
719SmE	SMOKEY VAR	1	0	3	A	MTS
719SmE	SMOKEY VAR	2	3	34	B+C	MTS
719SmE	SMOKEY VAR	3	34	47	C	MTS
719TbE	TALLAC	1	0	6	A	MIX
719TbE	TALLAC	2	6	16	A	MIX
719TbE	TALLAC	3	16	22	A	MIX
719TbE	TALLAC	4	22	41	C	MIX
719TbE	TALLAC	5	41	60	C	MIX
719TiE	TINKER	1	0	5	A	MIX
719TiE	TINKER	2	5	21	A	MIX
719TiE	TINKER	3	21	33	B	MIX
719TiE	TINKER	4	33	45	C	MIX
719TiE	TINKER	5	45	60	C	MIX
719UmE	UMPA	1	0	3	A	VOL
719UmE	UMPA	2	3	16	A+B	VOL
719UmE	UMPA	3	16	24	B	VOL
719WaE	WINDY	1	0	6	A	VOL
719WaE	WINDY	2	6	17	B	VOL
719WaE	WINDY	3	17	35	C	VOL
719WaE	WINDY	4	35	46	C	VOL
719WaF	WACA	1	0	12	A	VOL
719WaF	WACA	2	12	32	C	VOL
719WoG	WOODSEYE	1	0	7	A	MTS
719WoG	WOODSEYE	2	7	14	A	MTS
719WoG	WOODSEYE	3	14	19	C	MTS
719XxE	JORGE VARI	1	0	11	A	MIX
719XxE	JORGE VARI	2	11	23	B	MIX
719XxE	JORGE VARI	3	23	33	B	MIX
724102	ANDIC CRYUMBREPTS	1	0	11	A	VOL
724102	ANDIC CRYUMBREPTS	2	11	24	B	VOL
724102	ANDIC CRYUMBREPTS	3	24	30	C	VOL
724103	AQUEPTS	1	0	18	A	MIX
724103	AQUEPTS	2	18	28	A+C	MIX
724103	AQUEPTS	3	28	36	C	MIX
724103	AQUEPTS	4	36	60	C	MIX
724103	UMBREPTS	1	0	12	A	MIX
724103	UMBREPTS	2	12	20	A	MIX
724103	UMBREPTS	3	20	60	C	MIX
724120	CRYUMBREPTS	1	0	3	A	MIX
724120	CRYUMBREPTS	2	3	17	B	MIX
724120	CRYUMBREPTS	3	17	60	B+C	MIX
724128	GERLE	1	0	3	A	GRN

TABLE B.7 - PRNTHOR
(Parent Material and Horizonation)

muid	compname	layernum	laydepl	laydeph	horizon	prntmat
724128	GERLE	2	3	12	A	GRN
724128	GERLE	3	12	18	B	GRN
724128	GERLE	4	18	30	B	GRN
724128	GERLE	5	30	41	BC	GRN
724128	GERLE	6	41	60	C	GRN
724128	TALLAC	1	0	29	A	GRN
724128	TALLAC	2	29	60	C	GRN
724131	HANGTOWN	1	0	3	A	MTS
724131	HANGTOWN	2	3	24	B	MTS
724131	HANGTOWN	3	24	46	C	MTS
724132	SMOKEY	1	0	3	A	MTS
724132	SMOKEY	2	3	16	B	MTS
724132	SMOKEY	3	16	34	C	MTS
724157	LEDFORD	1	0	12	A	GRN
724157	LEDFORD	2	12	37	B	GRN
724157	LEDFORD	3	37	47	C	GRN
724158	NOTNED	1	0	4	A	GRN
724158	NOTNED	2	4	16	A	GRN
724158	NOTNED	3	16	35	B	GRN
724158	NOTNED	4	35	46	BC	GRN
724158	NOTNED	5	46	54	C	GRN
724158	NOTNED	6	54	60	C	GRN
724162	LITHIC CRYUMBREPTS	1	0	3	A	VOL
724162	LITHIC CRYUMBREPTS	2	3	12	A	VOL
724162	LITHIC CRYUMBREPTS	3	12	19	B	VOL
724164	LITHIC XERUMBREPTS	1	0	10	A	GRN\MTV
724164	LITHIC XERUMBREPTS	2	10	13	B	GRN\MTV
724165	LUMBERLY	1	0	10	A	GRN
724165	LUMBERLY	2	10	33	B+BC	GRN
724191	ORTHENTS	1	0	2	A	GRN
724191	ORTHENTS	2	2	6	A	GRN
724191	ORTHENTS	3	6	36	C	GRN
724204	TALLAC VAR	1	0	3	A	MTS
724204	TALLAC VAR	2	3	23	A	MTS
724204	TALLAC VAR	3	23	38	AC+C	MTS
724205	TINKER	1	0	18	A	MIX
724205	TINKER	2	18	36	B+C	MIX
724205	TINKER	3	36	41	C	MIX
724216	WACA	1	0	3	A	VOL
724216	WACA	2	3	8	A	VOL
724216	WACA	3	8	16	A	VOL
724216	WACA	4	16	27	A	VOL
724216	WINDY	1	0	7	A	VOL
724216	WINDY	2	7	16	A	VOL
724216	WINDY	3	16	60	BA+B+C	VOL
724220	XERUMBREPTS	1	0	14	A	MIX
724220	XERUMBREPTS	2	14	51	A	MIX
724220	XERUMBREPTS	3	51	60	C	MIX
731101	ANDIC CRYUMBREPTS	1	0	9	A	VOL
731101	ANDIC CRYUMBREPTS	2	9	16	B	VOL
731101	ANDIC CRYUMBREPTS	3	16	26	C	VOL
731106	ENTIC CRYUMBR, M.D.	1	0	4	A	GRN
731106	ENTIC CRYUMBR, M.D.	2	4	14	C	GRN
731106	ENTIC CRYUMBR, M.D.	3	14	25	C	GRN
731107	ENTIC CRYUMBREPTS,D.	1	0	4	A	GRN

TABLE 8.7 - PRNTHOR
(Parent Material and Horizonation)

muid	compname	layernum	laydepl	laydeph	horizon	prntmat
731107	ENTIC CRYUMBREPTS,D.	2	4	14	C	GRN
731107	ENTIC CRYUMBREPTS,D.	3	14	50	C	GRN
731107	ENTIC CRYUMBREPTS,D.	4	50	60	C	GRN
731114	GERLE F.,B	1	0	10	A	GRN
731114	GERLE F.,B	2	10	40	B	GRN
731114	GERLE F.,B	3	40	60	B+C	GRN
731116	GERLE F.,D	1	0	10	A	GRN
731116	GERLE F.,D	2	10	52	B	GRN
731116	GERLE F.,D	3	52	60	C	GRN
731124	GERLE F.MD	1	0	10	A	GRN
731124	GERLE F.MD	2	10	30	B	GRN
731124	GERLE F.MD	3	30	40	B	GRN
731147	INVILLE F.	1	0	4	A	VOL
731147	INVILLE F.	2	4	19	B	VOL
731147	INVILLE F.	3	19	50	B	VOL
731150	INVILLE FM	1	0	10	A	VOL
731150	INVILLE FM	2	10	25	B	VOL
731163	LITHIC CRYOPSAMMENTS	1	0	4	A	GRN
731163	LITHIC CRYOPSAMMENTS	2	4	9	C	GRN
731163	LITHIC CRYOPSAMMENTS	3	9	19	C	GRN
731165	LITHIC CRYUMBREPTS	1	0	5	A	VOL
731168	LITHIC XEROPSAMMENTS	1	0	5	A	GRN
731168	LITHIC XEROPSAMMENTS	2	5	15	C	GRN
731174	LITHIC XERUMBREPTS	1	0	7	A	GRN\VOL
731174	LITHIC XERUMBREPTS	2	7	17	B	GRN\VOL
731194	WINDY F.,D	1	0	7	A	VOL
731194	WINDY F.,D	2	7	15	B	VOL
731194	WINDY F.,D	3	15	52	B	VOL
731195	WINDY F.,M	1	0	5	A	VOL
731195	WINDY F.,M	2	5	15	B	VOL
731195	WINDY F.,M	3	15	29	B	VOL
731197	WINTONER F	1	0	5	A	GRN
731197	WINTONER F	2	5	13	A	GRN
731197	WINTONER F	3	13	22	B	GRN
731197	WINTONER F	4	22	36	B	GRN
731197	WINTONER F	5	36	60	B	GRN
731199	TALLAC F.	1	0	7	A	MIX
731199	TALLAC F.	2	7	30	B	MIX
731199	TALLAC F.	3	30	60	C	MIX
750104	AQUIC DYST XEROCHREP	1	0	5	A	GRN
750104	AQUIC DYST XEROCHREP	2	5	18	BA	GRN
750104	AQUIC DYST XEROCHREP	3	18	28	B	GRN
750104	AQUIC DYST XEROCHREP	4	28	48	B	GRN
750104	AQUIC DYST XEROCHREP	5	48	60	C	GRN
750112	CANNELL FA	1	0	7	A	GRN
750112	CANNELL FA	2	7	50	B+C	GRN
750113	LITHIC XEROPSAMMENTS	1	0	6	A	GRN
750113	LITHIC XEROPSAMMENTS	2	6	13	A	GRN
750113	LITHIC XEROPSAMMENTS	3	13	19	C	GRN
750115	CAGWIN FAM	1	0	5	A	GRN
750115	CAGWIN FAM	2	5	17	C	GRN
750115	CAGWIN FAM	3	17	32	C	GRN
750131	DYSTRIC XEROCHREPTS	1	0	5	A	VOL
750131	DYSTRIC XEROCHREPTS	2	5	32	A+B	VOL
750131	TYPIC XERUMBREPTS	1	0	5	A	VOL

TABLE B.7 - PRNTHOR
(Parent Material and Horizonation)

muid	compname	layernum	laydepl	laydeph	horizon	prntmat
750131	TYPIC XERUMBREPTS	2	5	10	AB	VOL
750131	TYPIC XERUMBREPTS	3	10	22	B	VOL
750131	TYPIC XERUMBREPTS	4	22	39	BC	VOL
750131	TYPIC XERUMBREPTS	5	39	60	C	VOL
750132	ENTIC CRYUMBREPTS	1	0	4	A	GRN
750132	ENTIC CRYUMBREPTS	2	4	11	A	GRN
750132	ENTIC CRYUMBREPTS	3	11	27	C	GRN
750134	GERLE FAMI	1	0	14	A	GRN
750134	GERLE FAMI	2	14	26	B	GRN
750134	GERLE FAMI	3	26	38	BC	GRN
750143	ENTIC XERU	1	0	8	A	GRN
750143	ENTIC XERU	2	8	18	B+C	GRN
750143	LEDFORD FA	1	0	18	A+AC	GRN
750143	LEDFORD FA	2	18	36	C	GRN
750143	LEDFORD FA	3	36	60	C	GRN
750149	CRYORTHENTS	1	0	21	A+AC	GRN\MTV
750149	CRYORTHENTS	2	21	39	C	GRN\MTV
750158	SIRRETTA F	1	0	1	A	GRN
750158	SIRRETTA F	2	1	7	A	GRN
750158	SIRRETTA F	3	7	30	A	GRN
750158	SIRRETTA F	4	30	45	C	GRN
750158	SIRRETTA F	5	45	60	C	GRN
750162	STECUM FAMILY	1	0	9	A	GRN
750162	STECUM FAMILY	2	9	16	B	GRN
750162	STECUM FAMILY	3	16	23	B	GRN
750162	STECUM FAMILY	4	23	31	C	GRN
750162	STECUM FAMILY	5	31	44	C	GRN
750162	STECUM FAMILY	6	44	60	C	GRN
750163	AQUIC CRYU	1	0	14	A	GRN
750163	AQUIC CRYU	2	14	20	AC	GRN
750163	AQUIC CRYU	3	20	60	C	GRN
750174	UMPA FAMILY	1	0	6	A	GRN\MTV
750174	UMPA FAMILY	2	6	18	A+B	GRN\MTV
750174	UMPA FAMILY	3	18	32	B	GRN\MTV
750174	UMPA FAMILY	4	32	48	B+C	GRN\MTV
750174	UMPA FAMILY	5	48	60	C	GRN\MTV
760219	CHESAW FAM	1	0	16	A	GRN\MTV
760219	CHESAW FAM	2	16	30	C	GRN\MTV
760303	MONACHE	1	0	23	A	GRN
760303	MONACHE	2	23	36	C	GRN
760303	MONACHE	3	36	60	C	GRN
760309	TYPIC HAPL	1	0	14	A	GRN
760309	TYPIC HAPL	2	14	26	B	GRN
760309	TYPIC HAPL	3	26	39	C	GRN
760310	CAGWIN VAR	1	0	4	A	GRN
760310	CAGWIN VAR	2	4	60	C	GRN
760311	MONACHE VARIANT	1	0	16	A	GRN
760311	MONACHE VARIANT	2	16	26	A	GRN
760311	MONACHE VARIANT	3	26	37	A	GRN
760311	MONACHE VARIANT	4	37	60	C	GRN
760311	SEQUOIA MEADOW	1B	0	8	A	MIX
760311	SEQUOIA MEADOW	2B	8	18	A	MIX
760311	SEQUOIA MEADOW	3B	18	30	A	MIX
760311	SEQUOIA MEADOW	4B	30	60	C	MIX
760404	XERORTHENTS	1	0	60	AC	MIX

TABLE 8.7 - PRNTHOR
(Parent Material and Horizonation)

muid	compname	layernum	laydepl	laydeph	horizon	prntmat
760409	SIRRETTA	1	0	6	A	GRN
760409	SIRRETTA	2	6	24	C	GRN
760409	SIRRETTA	3	24	28	C	GRN
760603	CANNELL	1	0	7	A	GRN
760603	CANNELL	2	7	27	B	GRN
760603	CANNELL	3	27	50	C	GRN
760609	TOEM	1	0	3	A	GRN
760609	TOEM	2	3	19	C	GRN
760610	CAGWIN	1	0	13	AC	GRN
760610	CAGWIN	2	13	34	C	GRN
760612	JUMPE FAMILY	1	0	8	A	MTS
760612	JUMPE FAMILY	2	8	24	B	MTS
760612	JUMPE FAMILY	3	24	48	C	MTS
760612	JUMPE FAMILY	4	48	52	C	MTS
760613	BALD MOUNTAIN	1	0	9	A	MTV\MTS
760613	BALD MOUNTAIN	2	9	24	B	MTV\MTS
760613	BALD MOUNTAIN	3	24	34	B	MTV\MTS
760613	BALD MOUNTAIN	4	34	48	C	MTV\MTS
760625	NANNY FAMILY	1	0	6	A	GRN
760625	NANNY FAMILY	2	6	16	B	GRN
760625	NANNY FAMILY	3	16	27	B	GRN
760625	NANNY FAMILY	4	27	47	C	GRN
760625	NANNY FAMILY	5	47	60	C	GRN
760643	GLEAN VARIANT	1	0	12	A	VOL
760643	GLEAN VARIANT	2	12	30	C	VOL
760643	GLEAN VARIANT	3	30	37	C	VOL
760645	KRIEST FAM	1	0	5	A	GRN
760645	KRIEST FAM	2	5	32	B	GRN
760713	CHUMSTICK FAM	1	0	6	A+B	MTV\MTS
760713	CHUMSTICK FAM	2	6	10	B	MTV\MTS
760713	CHUMSTICK FAM	3	10	17	B	MTV\MTS
790011	DYSTR CRYOCHR, C-L,M	1	0	5	A	MIX
790011	DYSTR CRYOCHR, C-L,M	2	5	24	B	MIX
790011	DYSTR CRYOCHR, C-L,M	3	24	60	B	MIX
790011	LITHIC CRYUMBR, L, M	1	0	9	A	MIX
790011	LITHIC CRYUMBR, L, M	2	9	18	B	MIX
790040	PACH CRYOBOR, L-SK,M	1	0	22	A	GRN
790040	PACH CRYOBOR, L-SK,M	2	22	60	B	GRN
790051	TYPIC CRYOFLU,S-SK,M	1	0	6	A	MIX
790051	TYPIC CRYOFLU,S-SK,M	2	6	17	C	MIX
790051	TYPIC CRYOFLU,S-SK,M	3	17	60	C	MIX
790052	TYPIC CRYUMBR,L-SK,M	1	0	13	A	MIX
790052	TYPIC CRYUMBR,L-SK,M	2	13	29	B	MIX
790052	TYPIC CRYUMBR,L-SK,M	3	29	41	B	MIX
790060	LITHIC XERUMBR,L,M,F	1	0	9	A	GRN
790060	LITHIC XERUMBR,L,M,F	2	9	12	B	GRN
790060	TYP XERUMBR,L-SK,M,F	1	0	10	A	MIX
790060	TYP XERUMBR,L-SK,M,F	2	10	24	B	MIX
790070	LITH CRYOCHR, L-SK,M	1	0	4	A	MTV
790070	LITH CRYOCHR, L-SK,M	2	4	15	B	MTV
790080	LITHIC CRYOCHR, L, M	1	0	4	A	GRN
790080	LITHIC CRYOCHR, L, M	2	4	15	B	GRN
790100	DYSTR CRYOCHR, L-S,M	1	0	6	A	MIX
790100	DYSTR CRYOCHR, L-S,M	2	6	25	B	MIX
790100	DYSTR CRYOCHR, L-S,M	3	25	37	BC	MIX

TABLE B.7 - PRNTHOR
(Parent Material and Horizonation)

muid	compname	layernum	laydepl	laydeph	horizon	prntmat
790100	DYSTR CRYOCHR, L-S,M	4	37	60	C	MIX
790102	AERIC CRYAQ.,F-L, M	1	0	9	A	MIX
790102	AERIC CRYAQ.,F-L, M	2	9	24	B	MIX
790102	AERIC CRYAQ.,F-L, M	3	24	60	B	MIX
790110	TYPIC CRYOFLU, C-L,M	1	0	8	A	MIX
790110	TYPIC CRYOFLU, C-L,M	2	8	35	AC+C	MIX
790110	TYPIC CRYOFLU, C-L,M	3	35	60	C	MIX
791010	TYP CRYORTH,S-SK,M,S	1	0	3	A	GRN
791010	TYP CRYORTH,S-SK,M,S	2	3	7	C	GRN
791022	LITH CRYUMBR, L-SK,M	1	0	4	A	GRN
791022	LITH CRYUMBR, L-SK,M	2	4	18	A	GRN
791029	ENT XERUMBR,L-SK,M,M	1	0	5	A	GRN
791029	ENT XERUMBR,L-SK,M,M	2	5	19	AC	GRN
791029	ENT XERUMBR,L-SK,M,M	3	19	42	C	GRN
791029	LIT XERUMBR,L-SK,M,M	1	0	10	A	GRN
791029	LIT XERUMBR,L-SK,M,M	2	10	15	B	GRN
791040	TYPIC CRYORTH,S-SK,M	1	0	4	A	GRN
791040	TYPIC CRYORTH,S-SK,M	2	4	9	A	GRN
791040	TYPIC CRYORTH,S-SK,M	3	9	40	C	GRN
791050	TYPIC CRYUMBR,L-SK,M	1	0	8	A	GRN
791050	TYPIC CRYUMBR,L-SK,M	2	8	21	B	GRN
791050	TYPIC CRYUMBR,L-SK,M	3	21	28	C	GRN
791060	LIT MOL HAP,L-SK,M,F	1	0	6	A	GRN
791060	LIT MOL HAP,L-SK,M,F	2	6	10	B	GRN
791060	LITH XERUMB,L-SK,M,F	1	0	7	A	GRN
791060	LITH XERUMB,L-SK,M,F	2	7	17	B	GRN
791060	TYP XERUMBR,L-SK,M,F	1	0	8	A	GRN
791060	TYP XERUMBR,L-SK,M,F	2	8	21	B	GRN
791090	HUMIC CRYAQU, S-SK,M	1	0	12	A	GRN
791090	HUMIC CRYAQU, S-SK,M	2	12	23	C	GRN
791090	HUMIC CRYAQU, S-SK,M	3	23	60	C	GRN
791090	TYPIC CRYOFLUV, S, M	1	0	8	A	GRN
791090	TYPIC CRYOFLUV, S, M	2	8	31	C+A	GRN
791090	TYPIC CRYOFLUV, S, M	3	31	60	C	GRN
791110	LIT XERORTH,S-SK,M,F	1	0	2	A	GRN
791110	LIT XERORTH,S-SK,M,F	2	2	12	C	GRN
791110	LITH CRYUMBR, S-SK,M	1	0	7	A	GRN
791110	LITH CRYUMBR, S-SK,M	2	7	13	C	GRN
792012	TYPIC CRYORTH,S-SK,M	1	0	5	A	GRN
792012	TYPIC CRYORTH,S-SK,M	2	5	10	AC	GRN
792012	TYPIC CRYORTH,S-SK,M	3	10	44	C	GRN
792030	LIT XERUMBR,L-SK,M,F	1	0	3	A	GRN
792030	LIT XERUMBR,L-SK,M,F	2	3	8	A	GRN
792031	LITH CRYUMBR, L-SK,M	1	0	4	A	GRN
792031	LITH CRYUMBR, L-SK,M	2	4	10	A	GRN
792033	LITH CRYOCHR,L-SK,M	1	0	5	A	GRN
792033	LITH CRYOCHR,L-SK,M	2	5	17	B	GRN
792037	LITH CRYOPSAMMENTS,M	1	0	6	A	GRN
792037	LITH CRYOPSAMMENTS,M	2	6	17	B	GRN
792101	ENT XERUMBR,S-SK,M,F	1	0	4	A	GRN
792101	ENT XERUMBR,S-SK,M,F	2	4	11	A	GRN
792101	ENT XERUMBR,S-SK,M,F	3	11	23	AC	GRN
792101	ENT XERUMBR,S-SK,M,F	4	23	41	C	GRN
792101	ENTIC XERUMBR, S,M,F	1	0	11	A	GRN
792101	ENTIC XERUMBR, S,M,F	2	11	26	C	GRN

TABLE B.7 - PRNTHOR
(Parent Material and Horizonation)

muid	compname	layernum	laydepl	laydeph	horizon	prntmat
792101	ENTIC XERUMBR, S,M,F	3	26	45	C	GRN
792101	TYP XERUMBR,L-SK,M,F	1	0	10	A	GRN
792101	TYP XERUMBR,L-SK,M,F	2	10	18	B	GRN
792101	TYP XERUMBR,L-SK,M,F	3	18	40	C	GRN
792140	LIT MOL HAP,L-SK,M,F	1	0	8	A	GRN
792140	LIT MOL HAP,L-SK,M,F	2	8	18	B	GRN
792160	TYPIC CRYOPSAMMENT,M	1	0	3	A	GRN
792160	TYPIC CRYOPSAMMENT,M	2	3	22	A+AC	GRN
792160	TYPIC CRYOPSAMMENT,M	3	22	41	C	GRN
792170	DYS CRYOCHR,S-SK,M,S	1	0	4	A	GRN
792170	DYS CRYOCHR,S-SK,M,S	2	4	9	AC	GRN
792170	DYSTRIC CRYOCHR, S,M	1	0	7	A	GRN
792170	DYSTRIC CRYOCHR, S,M	2	7	24	C	GRN
792170	DYSTRIC CRYOCHR, S,M	3	24	28	C	GRN
792170	DYSTRIC CRYOCHR, S,M	4	28	40	C	GRN
792171	TYPIC CRYOFLU,S-SK,M	1	0	11	A	GRN
792171	TYPIC CRYOFLU,S-SK,M	2	11	15	C	GRN
792171	TYPIC CRYOFLU,S-SK,M	3	15	35	C	GRN
792172	DYSTR CRYOCHR,S-SK,M	1	0	4	A	GRN
792172	DYSTR CRYOCHR,S-SK,M	2	4	23	AC	GRN
792172	DYSTR CRYOCHR,S-SK,M	3	23	27	C	GRN
792172	DYSTR CRYOCHR,S-SK,M	4	27	40	C	GRN
792174	TYPIC CRYAQU, C-L, M	1	0	4	A	GRN
792174	TYPIC CRYAQU, C-L, M	2	4	14	A+C	GRN
792174	TYPIC CRYAQU, C-L, M	3	14	18	C	GRN
792174	TYPIC CRYAQU, C-L, M	4	18	47	C	GRN
792176	AERIC CRYAQU, S-SK,M	1	0	8	A	GRN
792176	AERIC CRYAQU, S-SK,M	2	8	10	C	GRN
792176	AERIC CRYAQU, S-SK,M	3	10	60	C	GRN
792200	ULTIC HAPL, L-SK,M,F	1	0	10	A	GRN
792200	ULTIC HAPLO,L-SK,M,F	2	10	18	B	GRN
792200	ULTIC HAPLO,L-SK,M,F	3	18	28	C	GRN
792AqF	AQUEPTS, FRIGID	1	3	0	O	GRN
792AqF	AQUEPTS, FRIGID	2	0	3	A	GRN
792AqF	AQUEPTS, FRIGID	3	3	9	O	GRN
792AqF	AQUEPTS, FRIGID	4	9	27	A	GRN
792AqF	AQUEPTS, FRIGID	5	27	43	C	GRN
792CaQ	CRYAQUEPTS	1	0	4	O	GRN
792CaQ	CRYAQUEPTS	2	4	10	A	GRN
792CaQ	CRYAQUEPTS	3	10	15	A	GRN
792CoF	CRYORTHODS	1	0	3	E	GRN
792CoF	CRYORTHODS	2	3	7	B	GRN
792CoF	CRYORTHODS	3	7	27	B+C	GRN
792EaD	ENTIC CRYUMBR,S-SK,M	1	0	2	A	GRN
792EaD	ENTIC CRYUMBR,S-SK,M	2	2	11	A	GRN
792EaD	ENTIC CRYUMBR,S-SK,M	3	11	28	A+AC	GRN
792EaD	ENTIC CRYUMBR,S-SK,M	4	28	60	C	GRN
792EbD	ENTIC CRYUMBR, C-L,M	1	0	2	A	GRN
792EbD	ENTIC CRYUMBR, C-L,M	2	2	11	A	GRN
792EbD	ENTIC CRYUMBR, C-L,M	3	11	28	A+AC	GRN
792EbD	ENTIC CRYUMBR, C-L,M	4	28	60	C	GRN
792EcF	ENTIC CRYUMBR,L-SK,M	1	0	2	A	GRN\MTS
792EcF	ENTIC CRYUMBR,L-SK,M	2	2	11	A	GRN\MTS
792EcF	ENTIC CRYUMBR,L-SK,M	3	11	22	A	GRN\MTS
792EcF	ENTIC CRYUMBR,L-SK,M	4	22	28	AC	GRN\MTS

TABLE 8.7 - PRNTHOR
(Parent Material and Horizonation)

muid	compname	layernum	laydepl	laydeph	horizon	prntmat
792EcF	ENTIC CRYUMBR,L-SK,M	5	28	60	C	GRN\MTS
792ExbF	ENTIC XERUMBR, S, F	1	0	8	A	GRN
792ExbF	ENTIC XERUMBR, S, F	2	8	14	A	GRN
792ExbF	ENTIC XERUMBR, S, F	3	14	19	C	GRN
792ExcG	ENTIC XERUMBREPTS, F	1	0	18	A	GRN
792ExcG	ENTIC XERUMBREPTS, F	2	18	24	AB	GRN
792ExcG	ENTIC XERUMBREPTS, F	3	24	59	B+C	GRN
792ExdF	ENT XERUMBR, L-SK, F	1	0	18	A	GRN
792ExdF	ENT XERUMBR, L-SK, F	2	18	24	AB	GRN
792ExdF	ENT XERUMBR, L-SK, F	3	24	59	B+C	GRN
792JgoF	LITHIC XERUMBR,S,M,F	1	0	2	A	GRN
792JgoF	LITHIC XERUMBR,S,M,F	2	2	5	A	GRN
792LcbF	LITHIC CRYORTHENTS	1	0	2	A	GRN
792LcbF	LITHIC CRYORTHENTS	2	2	17	B	GRN
792LueD	LITHIC CRYUMBR, L, M	1	0	2	A	GRN
792LueD	LITHIC CRYUMBR, L, M	2	2	9	A	GRN
792PhxF	PACHIC HAPLUMBREP, F	1	0	3	A	GRN
792PhxF	PACHIC HAPLUMBREP, F	2	3	15	A	GRN
792PhxF	PACHIC HAPLUMBREP, F	3	15	30	B	GRN
792PhxF	PACHIC HAPLUMBREP, F	4	30	60	C	GRN
792Pxad	PACH XERUMBR, S-SK,F	1	0	3	A	GRN
792Pxad	PACH XERUMBR, S-SK,F	2	3	22	A	GRN
792Pxad	PACH XERUMBR, S-SK,F	3	22	39	AC	GRN
792PxbD	PACHIC XERUMBR,C-L,F	1	0	3	A	GRN
792PxbD	PACHIC XERUMBR,C-L,F	2	3	6	A	GRN
792PxbD	PACHIC XERUMBR,C-L,F	3	6	22	A	GRN
792PxbD	PACHIC XERUMBR,C-L,F	4	22	35	AC	GRN
792PxbD	PACHIC XERUMBR,C-L,F	5	35	43	C	GRN
792PxbD	PACHIC XERUMBR,C-L,F	6	43	60	C	GRN
792PxbF	PACH XERUMBR,C-L,F,D	1	0	3	A	GRN
792PxbF	PACH XERUMBR,C-L,F,D	2	3	22	A	GRN
792PxbF	PACH XERUMBR,C-L,F,D	3	22	39	AC	GRN
792PxbF	PACH XERUMBR,C-L,F,D	4	39	60	C	GRN
792PxdF	PACH XERUMBR, L-SK,F	1	0	3	A	GRN
792PxdF	PACH XERUMBR, L-SK,F	2	3	22	A	GRN
792PxdF	PACH XERUMBR, L-SK,F	3	22	39	AC	GRN
792TcfD	TYPIC CRYOFLUVENTS	1	0	2	A+C	GRN
792TcfD	TYPIC CRYOFLUVENTS	2	2	27	A	GRN
792TcfD	TYPIC CRYOFLUVENTS	3	27	60	C	GRN
792TcoF	TYPIC CRYORTHENTS	1	0	2	A	GRN
792TcoF	TYPIC CRYORTHENTS	2	2	17	B	GRN
792TcoF	TYPIC CRYORTHENTS	3	17	24	C	GRN

TABLE 8.8 - SENRANK
(Sensitivity Ranking)

compname	sdavtbs
LIT XERUMBR,L-SK,M	0.63
LITHIC CRYUMBR, L,	0.68
LITH CRYUMBR, L-SK	0.79
LIT XERORTH,S-SK,M	0.84
LIT MOL HAP,L-SK,M	0.88
LITHIC XERUMBR,L,M	1.07
LIT XERUMBR,L-SK,M	1.33
LITH CRYUMBR, S-SK	1.34
LITH CRYUMBR, L-SK	1.35
LITH XERUMB,L-SK,M	1.46
LIT MOL HAP,L-SK,M	1.55
LITHIC CRYUMBR, L,	1.55
LUMBERLY	1.58
LITH CRYOCHR, L-SK	1.75
TYPIC CRYORTHENTS	1.91
SMOKEY	2.02
CRYORTHODS	2.03
ENTIC XERUMBR, S,	2.06
SMOKEY	2.11
LITHIC CRYORTHENTS	2.34
CHUMSTICK FAM	2.37
TYPIC CRYOFLU,S-SK	2.52
LITH CRYOPSAMMENTS	2.58
SMOKEY VAR	2.8
TYPIC CRYUMBR,L-SK	2.89
LITHIC CRYOCHR, L,	3.
DYS CRYOCHR,S-SK,M	3.28
LITHIC XERUMBR,S,M	3.62
TYP CRYORTH,S-SK,M	3.69
UMBREPTS	3.7
XERUMBREPTS	3.94
TYPIC CRYOFLU, C-L	4.02
TYPIC CRYOFLUVENTS	4.02
TYPIC CRYOFLUV, S,	4.08
SEQUOIA MEADOW	4.19
TYPIC CRYOFLU,S-SK	4.21
MONACHE	4.28
WOODSEYE V	4.31
AERIC CRYAQU, S-SK	4.32
GERLE	4.33
WINDY F.,M	4.33
AQUIC CRYU	4.37
TYPIC CRYUMBR,L-SK	4.45
TOEM	4.48
LITH CRYOCHR,L-SK,	4.55
CRYAQUEPTS	4.62
LITHIC CRYUMBREPTS	4.74
CAGWIN VAR	4.78
ENT XERUMBR,S-SK,M	4.81
TYPIC CRYOPSAMMENT	4.88
WINDY	5.13
LITHIC XEROPSAMMEN	5.21
LITHIC XERUMBREPTS	5.23
LITHIC XEROPSAMMEN	5.44
LITHIC CRYOPSAMMEN	5.47

TABLE B.8 - SENRANK
(Sensitivity Ranking)

compname	adav%bs
CRYUMBREPTS	5.63
WINDY	5.67
ENT XERUMPR, L-SK,	5.72
ENTIC XERUMBREPTS,	5.72
WOODSEYE	5.73
TYPIC CRYORTH,S-SK	5.98
XERORTHENTS	6.22
ENTIC CRYUMBR,L-SK	6.28
ENTIC CRYUMBR, C-L	6.3
ENTIC CRYUMBR,S-SK	6.3
AHART	6.4
SIRRETTA F	6.6
ENTIC XERUMBR, S,M	6.8
GERLE FAMI	6.8
ENTIC CRYUMBR, M.D	6.9
LITHIC XERUMBREPTS	7.4
CAGWIN FAM	8.
TINKER	8.1
WINDY F.,D	8.2
CAGWIN	8.5
GERLE F.MD	8.5
DYSTR CRYOCHR,S-SK	8.8
ENTIC CRYUMBREPTS	9.4
DYSTRIC CRYOCHR, S	11.1
LEDMOUNT VARIANT	11.1
ORTHENTS	11.3
TYP XERUMBR,L-SK,M	11.7
MEISS	12.5
TYPIC CRYORTH,S-SK	12.9
CRYORTHENTS	13.7
GERLE F.,B	13.7
TYP XERUMBR,L-SK,M	13.9
STECUM FAMILY	14.4
GERLE F.,D	14.5
UMPA	14.6
ENT XERUMBR,L-SK,M	15.2
TYP XERUMBR,L-SK,M	15.4
TINKER	17.3
TYPIC XERUMBREPTS	17.6
LITHIC CRYUMBREPTS	18.8
ENTIC CRYUMBREPTS,	20.
ENTIC XERU	21.5
CHAIX VARI	22.1
UMPA FAMILY	23.
PACH XERUMBR, L-SK	24.
PACH XERUMBR, S-SK	24.
TALLAC VAR	25.8
AQUOLLS	26.4
BOROLLS	26.4
FUGAWEE VA	26.4
DYSTR CRYOCHR, L-S	27.2
ULTIC HAPL, L-SK,M	29.8
AQUEPTS, FRIGID	30.3
TALLAC	30.8
DYSTRIC XEROCHREPT	31.1

TABLE B.8 - SENRANK
(Sensitivity Ranking)

compname	adav%bs
KRIEST FAM	31.1
INVILLE FM	34.5
LEDFORD VA	34.6
CHESAW FAM	35.4
CELIO	36.1
ANDIC CRYUMBREPTS	36.5
TALLAC	36.5
NANNY FAMILY	36.7
BUCKING VA	38.9
WACA	38.9
TALLAC F.	40.9
ANDIC CRYUMBREPTS	42.9
AERIC CRYAQ.,F-L,	43.6
AQUEPTS	44.4
JORGE VARI	44.5
PACHIC XERUMBR,C-L	44.5
TYPIC CRYAQU, C-L,	44.7
SIRRETTA	44.8
MONACHE VARIANT	45.1
NOTNED	45.5
LORACK VAR	45.8
WACA	47.6
CANNELL FA	48.5
FUGAWEE	49.5
GEFO VARIA	50.4
GEFO	51.8
HUMIC CRYAQU, S-SK	52.1
CRYUMBREPTS, WET	52.6
CELIO VARI	52.9
PACH CRYOBOR, L-SK	54.2
CANNELL	55.2
GLEAN VARIANT	56.2
HOTAW VARI	56.2
LEDFORD	56.8
PACH XERUMBR,C-L,F	57.6
TYPIC HAPL	59.4
BUCKING	59.5
JORGE	59.9
TAHOMA	60.6
LEDFORD	60.8
PACHIC HAPLUMBREP,	64.9
HANGTOWN	65.4
INVILLE F.	65.9
AQUIC DYST XEROCHR	67.6
DYSTR CRYOCHR, C-L	68.3
LEDFORD FA	69.7
BALD MOUNTAIN	71.
LORACK	71.6
TAHOMA VAR	72.5
INVILLE	75.8
WINTONER F	82.
JUMPE FAMILY	83.3

TABLE B.9 - LABDATA
(Laboratory Data)

muid	compname	layernum	laydepl	laydeph	source	pH1	H+	Al+++	Ca++	Mg++	K+	Na+	%oc	cec
719AcE	AHART	1	0	18	719WaE-1	5.97	0.02	0.04	0.9	0.13	0.58	0.02	3.68	23.6
719AcE	AHART	2	18	31	719WaE-4	5.31	0.02	6.15	0.7	0.24	0.32	0.05	0.59	17.5
719AeF	LEDMOUNT VARIANT	1	0	4	719M1E-1	5.1	0.46	1.70	2.27	0.16	0.41	0.09	8.24	5.4
719AeF	LEDMOUNT VARIANT	2	4	19	719M1E-1	5.1	0.46	1.70	2.27	0.16	0.41	0.09	8.24	5.4
719AqB	AQUOLLS	1	0	15	760311-1	5.10	0.39	3.12	4.2	0.21	0.19	0.53	12.50	55.7
719AqB	AQUOLLS	2	15	30	760311-3	5.60	0.41	2.21	5.1	0.56	0.05	0.38	3.58	37.2
719AqB	BOROLLS	1	0	15	760311-1	5.10	0.39	3.12	4.2	0.21	0.19	0.53	12.50	55.7
719AqB	BOROLLS	2	15	30	760311-3	5.60	0.41	2.21	5.1	0.56	0.05	0.38	3.58	37.2
719BcE	BUCKING	1	0	11	719LcE-1	6.34	0.00	0.00	5.5	0.18	0.41	0.20	2.13	13.4
719BcE	BUCKING	2	11	51	719LcE-4	6.42	0.00	0.17	3.1	0.16	0.54	0.23	0.80	12.6
719BcG	BUCKING VA	1	0	11	719LcE-1	6.34	0.00	0.00	5.5	0.18	0.41	0.20	2.13	13.4
719BcG	BUCKING VA	2	11	29	719LcE-3	6.27	0.04	0.03	2.6	0.13	0.45	0.20	1.29	11.5
719CeE	CELIO	1	0	5	719CeE-1	5.45	0.02	1.00	2.2	0.25	0.37	0.20	5.39	23.4
719CeE	CELIO	2	5	12	719CeE-2	5.75	0.00	0.35	1.9	0.27	0.40	0.09	3.80	25.7
719CeE	CELIO	3	12	30	719CeE-3	6.12	0.04	0.03	1.7	0.24	0.40	0.20	1.40	17.4
719CeE	CELIO	4	30	40	719CeE-4	6.38	0.00	0.27	2.6	0.22	0.42	0.25	0.20	8.6
719CkE	CHAIX VARI	1	0	10	760603-1	6.2	0.11	0.00	2.64	0.17	0.48	0.07	1.19	3.8
719CkE	CHAIX VARI	2	10	22	760603-2	6.4	0.13	0.04	2.22	0.22	0.56	0.08	0.27	3.7
719CyD	CRYUMBREPTS, WET	1	0	15	760311-1	5.10	0.39	3.12	4.2	0.21	0.19	0.53	12.50	55.7
719CyD	CRYUMBREPTS, WET	2	15	30	760311-2	5.29	0.43	2.96	4.1	0.28	0.08	0.40	5.01	40.5
719CyD	CRYUMBREPTS, WET	3	30	60	760311-3	5.60	0.41	2.21	5.1	0.56	0.05	0.38	3.58	37.2
719EvB	INVILLE	1	0	6	719JwF-2	5.83	0.06	0.79	4.8	0.91	0.97	0.03	3.09	32.6
719EvB	INVILLE	2	6	30	719JwF-3	5.79	0.10	0.98	6.2	1.00	0.81	0.03	2.37	31.8
719EvB	INVILLE	3	30	60	719JwF-5	5.86	0.08	1.81	10.0	1.08	0.95	0.04	1.00	32.5
719ExE	LORACK VAR	1	0	7	719JwF-2	5.83	0.06	0.79	4.8	0.91	0.97	0.03	3.09	32.6
719ExE	LORACK VAR	2	7	25	719JwF-5	5.86	0.08	1.81	10.0	1.08	0.95	0.04	1.00	32.5
719ExE	LORACK VAR	3	25	36	719JwF-5	5.86	0.08	1.81	10.0	1.08	0.95	0.04	1.00	32.5
719FtE	FUGAWEE	1	0	13	719FtE-1	6.22	0.04	0.03	8.4	1.14	1.96	0.02	4.43	29.6
719FtE	FUGAWEE	2	13	35	719FtE-2	6.03	0.01	0.20	5.0	1.62	1.47	0.04	3.32	30.6
719FtE	TAHOMA	1	0	2	719FtE-1	6.22	0.04	0.03	8.4	1.14	1.96	0.02	4.43	29.6
719FtE	TAHOMA	2	2	8	719FtE-2	6.03	0.01	0.20	5.0	1.62	1.47	0.04	3.32	30.6
719FtE	TAHOMA	3	8	14	719FtE-3	6.27	0.05	0.10	6.0	3.16	1.10	0.06	1.22	25.6
719FtE	TAHOMA	4	14	25	719FtE-4	5.75	0.08	0.20	6.5	4.53	0.89	0.10	0.75	26.
719FtE	TAHOMA	5	25	41	719FtE-5	6.16	0.08	0.15	7.9	5.70	1.64	0.53	0.27	34.3
719GbF	CELIO VARI	1	0	2	719CeE-1	5.45	0.02	1.00	2.2	0.25	0.37	0.20	5.39	23.4
719GbF	CELIO VARI	2	2	10	719CeE-2	5.75	0.00	0.35	1.9	0.27	0.40	0.09	3.80	25.7
719GbF	CELIO VARI	3	10	60	719CeE-3	6.12	0.04	0.03	1.7	0.24	0.40	0.20	1.40	17.4
719GeC	GEFO	1	0	15	719CeE-1	5.45	0.02	1.00	2.2	0.25	0.37	0.20	5.39	23.4
719GeC	GEFO	2	15	60	719CeE-3	6.12	0.04	0.03	1.7	0.24	0.40	0.20	1.40	17.4
719GiD	GEFO VARIA	1	0	43	719CeE-1	5.45	0.02	1.00	2.2	0.25	0.37	0.20	5.39	23.4
719GiD	GEFO VARIA	2	43	60	719CeE-4	6.38	0.00	0.27	2.6	0.22	0.42	0.25	0.20	8.6
719JwF	JORGE	1	0	6	719JwF-1	5.86	0.08	0.63	5.6	0.89	1.23	0.03	4.08	29.3
719JwF	JORGE	2	6	13	719JwF-2	5.83	0.06	0.79	4.8	0.91	0.97	0.03	3.09	32.6
719JwF	JORGE	3	13	20	719JwF-3	5.79	0.10	0.98	6.2	1.00	0.81	0.03	2.37	31.8
719JwF	JORGE	4	20	31	719JwF-4	5.81	0.04	1.20	8.8	1.01	0.80	0.03	1.42	35.2
719JwF	JORGE	5	31	41	719JwF-5	5.86	0.08	1.81	10.0	1.08	0.95	0.04	1.00	32.5
719JwF	JORGE	6	41	47	719JwF-5	5.86	0.08	1.81	10.0	1.08	0.95	0.04	1.00	32.5
719LcE	LEDFORD	1	0	4	719LcE-1	6.34	0.00	0.00	5.5	0.18	0.41	0.20	2.13	13.4
719LcE	LEDFORD	2	4	15	719LcE-2	6.34	0.02	0.03	3.5	0.16	0.37	0.17	1.78	14.4
719LcE	LEDFORD	3	15	33	719LcE-3	6.27	0.04	0.03	2.6	0.13	0.45	0.20	1.29	11.5
719LcE	LEDFORD	4	33	41	719LcE-4	6.42	0.00	0.17	3.1	0.16	0.54	0.23	0.80	12.6
719LcE	LEDFORD	5	41	56	719LcE-5	6.20	0.03	0.37	2.3	0.14	0.69	0.21	0.71	11.8
719LcF	LEDFORD VA	1	0	3	719LcE-1	6.34	0.00	0.00	5.5	0.18	0.41	0.20	2.13	13.4
719LcF	LEDFORD VA	2	3	28	719LcE-2	6.34	0.02	0.03	3.5	0.16	0.37	0.17	1.78	14.4
719LoE	LORACK	1	0	8	719JwF-2	5.83	0.06	0.79	4.8	0.91	0.97	0.03	3.09	32.6

TABLE 8.9 - LABDATA
(Laboratory Data)

muid	compname	layernum	laydepl	laydeph	source	pH1	H+	Al+++	Ca++	Mg++	K+	Na+	%oc	cec
719LoE	LORACK	2	8	56	719JwF-5	5.86	0.08	1.81	10.0	1.08	0.95	0.04	1.00	32.5
719MiE	MEISS	1	0	9	719MiE-1	5.1	0.46	1.70	2.27	0.16	0.41	0.09	8.24	5.4
719MiE	MEISS	2	9	19	719MiE-2	5.5	0.19	0.97	2.29	0.25	0.40	0.11	6.02	4.4
719MrE	FUGAWEE VA	1	0	5	719FtE-1	6.22	0.04	0.03	8.4	1.14	1.96	0.02	4.43	29.6
719MrE	FUGAWEE VA	2	5	18	719FtE-3	6.27	0.05	0.10	6.0	3.16	1.10	0.06	1.22	25.6
719MuE	HOTAW VARI	1	0	4	719FtE-1	6.22	0.04	0.03	8.4	1.14	1.96	0.02	4.43	29.6
719MuE	HOTAW VARI	2	4	38	719FtE-4	5.75	0.08	0.20	6.5	4.53	0.89	0.10	0.75	26.
719MuE	TAHOMA VAR	1	0	14	719FtE-1	6.22	0.04	0.03	8.4	1.14	1.96	0.02	4.43	29.6
719MuE	TAHOMA VAR	2	14	48	719FtE-5	6.16	0.08	0.15	7.9	5.70	1.64	0.53	0.27	34.3
719RuG	WOODSEYE V	1	0	14	724132-1	5.46	0.05	0.75	1.2	0.08	0.22	0.02	2.84	15.8
719SmE	SMOKEY	1	0	4	724132-1	5.46	0.05	0.75	1.2	0.08	0.22	0.02	2.84	15.8
719SmE	SMOKEY	2	4	14	724132-2	5.38	0.14	0.60	0.2	0.02	0.16	0.01	1.41	11.8
719SmE	SMOKEY	3	14	24	724132-3	5.19	0.20	0.99	0.1	0.02	0.17	0.01	0.75	10.
719SmE	SMOKEY VAR	1	0	3	724132-1	5.46	0.05	0.75	1.2	0.08	0.22	0.02	2.84	15.8
719SmE	SMOKEY VAR	2	3	34	724132-2	5.38	0.14	0.60	0.2	0.02	0.16	0.01	1.41	11.8
719SmE	SMOKEY VAR	3	34	47	724132-3	5.19	0.20	0.99	0.1	0.02	0.17	0.01	0.75	10.
719TbE	TALLAC	1	0	6	719TbE-1	5.9	0.11	0.16	1.00	0.21	0.44	0.08	3.96	3.
719TbE	TALLAC	2	6	16	719TbE-2	6.1	0.01	0.15	1.53	0.30	0.47	0.07	2.14	3.6
719TbE	TALLAC	3	16	22	719TbE-3	6.1	0.01	0.11	1.19	0.33	0.57	0.12	1.43	3.4
719TbE	TALLAC	4	22	41	719TbE-4	6.1	0.03	0.12	1.70	0.13	0.53	0.13	1.39	3.6
719TbE	TALLAC	5	41	60	719TbE-5	6.1	0.05	0.21	0.95	0.29	0.55	0.15	0.83	1.5
719TiE	TINKER	1	0	5	719TiE-1	5.15	0.25	2.01	4.1	0.47	0.24	0.03	7.03	20.6
719TiE	TINKER	2	5	21	719TiE-2	5.11	0.15	2.60	0.8	0.08	0.13	0.03	7.69	20.
719TiE	TINKER	3	21	33	719TiE-3	5.01	0.11	2.15	0.3	<0.03	0.06	<0.03	6.09	20.
719TiE	TINKER	4	33	45	719TiE-4	5.00	0.12	1.08	0.1	<0.03	0.03	<0.02	3.25	20.
719TiE	TINKER	5	45	60	719TiE-5	5.58	0.01	0.13	0.1	<0.03	0.02	<0.02	0.60	20.
719UmE	UMPA	1	0	3	750174-1	5.56	0.03	0.08	13.6	0.76	0.29	0.20	7.98	25.4
719UmE	UMPA	2	3	16	750174-2	5.62	0.08	0.54	1.6	0.09	0.24	0.20	2.82	12.8
719UmE	UMPA	3	16	24	750174-3	5.51	0.08	0.72	0.9	0.10	0.31	0.22	2.31	11.8
719WaE	WINDY	1	0	6	719WaE-1	5.97	0.02	0.04	0.9	0.13	0.58	0.02	3.68	23.6
719WaE	WINDY	2	6	17	719WaE-2	5.80	0.04	0.03	0.3	0.11	0.56	0.02	2.36	18.3
719WaE	WINDY	3	17	35	719WaE-3	5.57	0.14	1.62	0.8	0.25	0.66	0.02	0.94	18.6
719WaE	WINDY	4	35	46	719WaE-4	5.31	0.02	6.15	0.7	0.24	0.32	0.05	0.59	17.5
719WaF	WACA	1	0	12	724216-1	5.7	0.29	0.00	16.72	0.49	0.79	0.37	7.83	11.1
719WaF	WACA	2	12	32	724216-3	5.7	0.27	0.05	9.08	0.34	0.81	0.40	4.07	6.8
719WoG	WOODSEYE	1	0	7	719WoG-1	5.37	0.15	0.84	2.2	0.19	0.21	0.03	3.32	16.4
719WoG	WOODSEYE	2	7	14	719WoG-2	5.15	0.14	1.67	0.4	<0.03	0.15	0.02	5.25	10.2
719WoG	WOODSEYE	3	14	19	719WoG-3	5.22	0.04	0.92	0.3	<0.03	0.06	0.01	2.51	27.8
719XxE	JORGE VARI	1	0	11	719JwF-2	5.83	0.06	0.79	4.8	0.91	0.97	0.03	3.09	32.6
719XxE	JORGE VARI	2	11	23	719JwF-4	5.81	0.04	1.20	8.8	1.01	0.80	0.03	1.42	35.2
719XxE	JORGE VARI	3	23	35	719JwF-5	5.86	0.08	1.81	10.0	1.08	0.95	0.04	1.00	32.5
724102	ANDIC CRYUMBREPTS	1	0	11	731101-2	5.61	0.00	2.86	17.0	4.64	0.44	0.10	0.93	43.
724102	ANDIC CRYUMBREPTS	2	11	24	731101-2	5.61	0.00	2.86	17.0	4.64	0.44	0.10	0.93	43.
724102	ANDIC CRYUMBREPTS	3	24	30	731101-3	6.18	0.19	1.31	23.8	5.11	0.20	0.47	0.18	41.8
724103	AQUEPTS	1	0	18	760311-1	5.10	0.39	3.12	4.2	0.21	0.19	0.53	12.50	55.7
724103	AQUEPTS	2	18	28	760311-2	5.29	0.43	2.96	4.1	0.28	0.08	0.40	5.01	40.5
724103	AQUEPTS	3	28	36	760311-3	5.60	0.41	2.21	5.1	0.56	0.05	0.38	3.58	37.2
724103	AQUEPTS	4	36	60	760311-4	5.59	0.24	1.62	2.1	0.22	<0.05	0.33	2.81	30.3
724103	UMBREPTS	1	0	12	724128-1	5.33	0.12	0.40	0.4	0.01	0.03	0.01	2.29	6.6
724103	UMBREPTS	2	12	20	724128-3	5.41	0.03	0.32	0.1	0.01	0.03	0.01	1.70	6.3
724103	UMBREPTS	3	20	60	724128-4	5.41	0.02	0.24	0.1	0.01	0.02	0.01	1.29	5.1
724120	CRYUMBREPTS	1	0	3	724128-1	5.33	0.12	0.40	0.4	0.01	0.03	0.01	2.29	6.6
724120	CRYUMBREPTS	2	3	17	724128-2	5.44	0.07	0.46	0.1	0.01	0.04	0.01	2.11	6.9
724120	CRYUMBREPTS	3	17	60	724128-6	5.39	0.00	0.07	0.0	<0.1	0.01	0.01	0.22	2.2
724128	GERLE	1	0	3	724128-1	5.33	0.12	0.40	0.4	0.01	0.03	0.01	2.29	6.6

TABLE B.9 - LABDATA
(Laboratory Data)

muid	compname	layernum	laydepl	laydeph	source	pH1	H+	Al+++	Ca++	Mg++	K+	Na+	%oc	cec
724128	GERLE	2	3	12	724128-2	5.44	0.07	0.46	0.1	0.01	0.04	0.01	2.11	6.9
724128	GERLE	3	12	18	724128-3	5.41	0.03	0.32	0.1	0.01	0.03	0.01	1.70	6.3
724128	GERLE	4	18	30	724128-4	5.41	0.02	0.24	0.1	0.01	0.02	0.01	1.29	5.1
724128	GERLE	5	30	41	724128-5	5.51	0.00	0.17	0.0	0.00	0.01	0.01	0.85	4.8
724128	GERLE	6	41	60	724128-6	5.39	0.00	0.07	0.0	<0.1	0.01	0.01	0.22	2.2
724128	TALLAC	1	0	29	719TbE-1	5.9	0.11	0.16	1.00	0.21	0.44	0.08	3.96	3.
724128	TALLAC	2	29	60	719TbE-3	6.1	0.01	0.11	1.19	0.33	0.57	0.12	1.43	3.4
724131	HANGTOWN	1	0	3	760612-1	6.42	0.00	0.00	12.3	0.67	0.45	0.20	4.25	19.8
724131	HANGTOWN	2	3	24	760612-2	6.61	0.02	0.00	2.8	0.31	0.39	0.18	0.54	8.4
724131	HANGTOWN	3	24	46	760612-4	6.52	0.01	0.10	2.9	0.40	0.29	0.23	0.18	9.1
724132	SMOKEY	1	0	3	724132-1	5.46	0.05	0.75	1.2	0.08	0.22	0.02	2.84	15.8
724132	SMOKEY	2	3	16	724132-2	5.38	0.14	0.60	0.2	0.02	0.16	0.01	1.41	11.8
724132	SMOKEY	3	16	34	724132-3	5.19	0.20	0.99	0.1	0.02	0.17	0.01	0.75	10.
724157	LEDFORD	1	0	12	719LcE-1	6.34	0.00	0.00	5.5	0.18	0.41	0.20	2.13	13.4
724157	LEDFORD	2	12	37	719LcE-2	6.34	0.02	0.03	3.5	0.16	0.37	0.17	1.78	14.4
724157	LEDFORD	3	37	47	719LcE-3	6.27	0.04	0.03	2.6	0.13	0.45	0.20	1.29	11.5
724158	NOTNED	1	0	4	724158-1	6.63	0.00	0.00	6.2	0.19	0.37	0.02	3.97	9.4
724158	NOTNED	2	4	16	724158-2	6.85	0.00	0.00	1.8	0.05	0.26	0.01	0.89	6.1
724158	NOTNED	3	16	35	734158-3	6.48	0.02	0.03	0.9	0.04	0.15	0.02	0.46	5.4
724158	NOTNED	4	35	46	724158-4	6.08	0.03	0.07	0.7	0.05	0.15	0.01	0.35	5.
724158	NOTNED	5	46	54	724158-5	6.12	0.03	0.00	0.5	0.04	0.14	0.01	0.14	5.
724158	NOTNED	6	54	60	724158-6	6.08	0.00	0.07	0.4	0.03	0.11	0.01	0.19	5.1
724162	LITHIC CRYUMBREPTS	1	0	3	724162-1	5.0	0.84	1.18	3.94	0.46	1.12	0.27	6.70	5.4
724162	LITHIC CRYUMBREPTS	2	3	12	724162-2	5.2	0.44	0.80	2.99	0.30	1.00	0.47	4.60	4.3
724162	LITHIC CRYUMBREPTS	3	12	19	724162-3	5.3	0.33	0.46	2.95	0.41	1.49	0.59	3.61	4.4
724164	LITHIC XERUMBREPTS	1	0	10	719WoG-1	5.37	0.15	0.84	2.20	0.19	0.21	0.03	3.32	16.4
724164	LITHIC XERUMBREPTS	2	10	13	719WoG-2	5.15	0.14	1.67	0.4	<0.03	0.15	0.02	5.25	10.2
724165	LUMBERLY	1	0	10	724128-3	5.41	0.03	0.32	0.1	0.01	0.03	0.01	1.70	6.3
724165	LUMBERLY	2	10	33	724128-5	5.51	0.00	0.17	0.0	0.00	0.01	0.01	0.85	4.8
724191	ORTHENTS	1	0	2	731163-1	5.00	0.08	0.32	1.0	0.09	0.26	0.58	5.35	17.
724191	ORTHENTS	2	2	6	731163-2	5.13	0.14	1.91	1.1	0.05	0.14	0.30	2.98	15.9
724191	ORTHENTS	3	6	36	731163-2	5.13	0.14	1.91	1.1	0.05	0.14	0.30	2.98	15.9
724204	TALLAC VAR	1	0	3	719TbE-1	5.9	0.11	0.16	1.00	0.21	0.44	0.08	3.96	3.
724204	TALLAC VAR	2	3	23	719TbE-2	6.1	0.01	0.15	1.53	0.30	0.47	0.07	2.14	3.6
724204	TALLAC VAR	3	23	38	719TbE-3	6.1	0.01	0.11	1.19	0.33	0.57	0.12	1.43	3.4
724205	TINKER	1	0	18	719TiE-1	5.15	0.25	2.01	4.1	0.47	0.24	0.03	7.03	20.6
724205	TINKER	2	18	36	719TiE-3	5.01	0.11	2.15	0.3	<0.03	0.06	<0.03	6.09	20.
724205	TINKER	3	36	41	719TiE-5	5.58	0.01	0.13	0.1	<0.03	0.02	<0.02	0.60	20.
724216	WACA	1	0	3	724216-1	5.7	0.29	0.00	16.72	0.49	0.79	0.37	7.83	11.1
724216	WACA	2	3	8	724216-2	5.9	0.22	0.05	13.72	0.47	0.90	0.84	5.88	10.6
724216	WACA	3	8	16	724216-3	5.7	0.27	0.05	9.08	0.34	0.81	0.40	4.07	6.8
724216	WACA	4	16	27	724216-4	5.5	0.37	0.08	6.79	0.25	0.86	0.36	3.40	6.1
724216	WINDY	1	0	7	719WaE-1	5.97	0.02	0.04	0.9	0.13	0.58	0.02	3.68	23.6
724216	WINDY	2	7	16	719WaE-3	5.57	0.14	1.62	0.8	0.25	0.66	0.02	0.94	18.6
724216	WINDY	3	16	60	719WaE-4	5.31	0.02	6.15	0.7	0.24	0.32	0.05	0.59	17.5
724220	XERUMBREPTS	1	0	14	760311-1B	5.0	0.31	1.28	0.25	0.06	0.15	0.17	4.00	3.2
724220	XERUMBREPTS	2	14	51	760311-3B	5.3	0.21	1.13	0.40	0.05	0.13	0.08	1.62	2.7
724220	XERUMBREPTS	3	51	60	760311-4B	5.3	0.28	0.76	0.32	0.16	0.12	0.08	0.96	2.6
731101	ANDIC CRYUMBREPTS	1	0	9	731101-1	5.47	0.34	3.01	10.9	3.56	0.69	0.04	2.33	31.8
731101	ANDIC CRYUMBREPTS	2	9	16	731101-2	5.61	0.00	2.86	17.0	4.64	0.44	0.10	0.93	43.
731101	ANDIC CRYUMBREPTS	3	16	26	731101-3	6.18	0.19	1.31	23.8	5.11	0.20	0.47	0.18	41.8
731106	ENTIC CRYUMBR, M.D.	1	0	4	731106-1	5.61	0.12	1.06	1.4	0.20	0.15	0.01	1.93	8.9
731106	ENTIC CRYUMBR, M.D.	2	4	14	731106-2	5.55	0.08	0.75	0.8	0.18	0.15	0.02	0.55	7.4
731106	ENTIC CRYUMBR, M.D.	3	14	25	731106-3	5.48	0.12	1.04	1.2	0.33	0.16	0.03	0.43	7.3
731107	ENTIC CRYUMBREPTS,D.	1	0	4	731106-1	5.61	0.12	1.06	1.4	0.20	0.15	0.01	1.93	8.9

TABLE 8.9 - LABDATA
(Laboratory Data)

muid	compname	layernum	laydepl	laydeph	source	pH1	H+	Al+++	Ca++	Mg++	K+	Na+	%oc	cec
731107	ENTIC CRYUMBREPTS,D.	2	4	14	731106-2	5.55	0.08	0.75	0.8	0.18	0.15	0.02	0.55	7.4
731107	ENTIC CRYUMBREPTS,D.	3	14	50	731106-3	5.48	0.12	1.04	1.2	0.33	0.16	0.03	0.43	7.3
731107	ENTIC CRYUMBREPTS,D.	4	50	60	731106-3	5.48	0.12	1.04	1.2	0.33	0.16	0.03	0.43	7.3
731114	GERLE F.,B	1	0	10	731116-1	5.5	0.12	0.85	0.29	0.02	0.11	0.08	5.34	2.7
731114	GERLE F.,B	2	10	40	731116-2	5.6	0.04	0.45	1.06	0.06	0.15	0.09	3.63	3.2
731114	GERLE F.,B	3	40	60	731116-3	5.6	0.12	0.21	0.89	0.09	0.22	0.06	2.02	2.9
731116	GERLE F.,D	1	0	10	731116-1	5.5	0.12	0.85	0.29	0.02	0.11	0.08	5.34	2.7
731116	GERLE F.,D	2	10	52	731116-2	5.6	0.04	0.45	1.06	0.06	0.15	0.09	3.63	3.2
731116	GERLE F.,D	3	52	60	731116-3	5.6	0.12	0.21	0.89	0.09	0.22	0.06	2.02	2.9
731124	GERLE F.MD	1	0	10	731116-1	5.5	0.12	0.85	0.29	0.02	0.11	0.08	5.34	2.7
731124	GERLE F.MD	2	10	30	731116-2	5.6	0.04	0.45	1.06	0.06	0.15	0.09	3.63	3.2
731124	GERLE F.MD	3	30	40	731116-3	5.6	0.12	0.21	0.89	0.09	0.22	0.06	2.02	2.9
731147	INVILLE F.	1	0	4	731147-1	6.85	0.01	0.00	18.9	1.39	1.24	0.35	5.99	34.7
731147	INVILLE F.	2	4	19	731147-2	6.33	0.00	0.07	8.3	1.23	1.05	0.25	1.91	26.8
731147	INVILLE F.	3	19	50	731147-3	6.06	0.15	2.99	8.9	2.33	0.61	0.27	0.53	24.
731150	INVILLE FM	1	0	10	731147-1	6.85	0.01	0.00	18.9	1.39	1.24	0.35	5.99	34.7
731150	INVILLE FM	2	10	25	731147-3	6.06	0.15	2.99	8.9	2.33	0.61	0.27	0.53	24.
731163	LITHIC CRYOPSAMMENTS	1	0	4	731163-1	5.00	0.08	0.32	1.0	0.09	0.26	0.58	5.35	17.
731163	LITHIC CRYOPSAMMENTS	2	4	9	731163-2	5.13	0.14	1.91	1.1	0.05	0.14	0.30	2.98	15.9
731163	LITHIC CRYOPSAMMENTS	3	9	19	731163-3	5.49	0.01	0.35	0.3	0.02	<0.1	0.26	0.67	7.5
731165	LITHIC CRYUMBREPTS	1	0	5	724162-1	5.0	0.84	1.18	3.94	0.46	1.12	0.27	6.70	5.4
731168	LITHIC XEROPSAMMENTS	1	0	5	750113-1	5.55	0.12	0.62	1.4	0.10	0.15	0.20	2.74	12.2
731168	LITHIC XEROPSAMMENTS	2	5	15	750113-2	5.70	0.08	0.38	0.9	0.10	0.14	0.19	1.39	7.7
731174	LITHIC XERUMBREPTS	1	0	7	719WoG-1	5.37	0.15	0.84	2.20	0.19	0.21	0.03	3.32	16.4
731174	LITHIC XERUMBREPTS	2	7	17	719WoG-2	5.15	0.14	1.67	0.04	<0.03	0.15	0.02	5.25	10.2
731194	WINDY F.,D	1	0	7	719WaE-1	5.97	0.02	0.04	0.9	0.13	0.58	0.02	3.68	23.6
731194	WINDY F.,D	2	7	15	719WaE-2	5.80	0.04	0.03	0.3	0.11	0.56	0.02	2.36	18.3
731194	WINDY F.,D	3	15	52	719WaE-2	5.80	0.04	0.03	0.3	0.11	0.56	0.02	2.36	18.3
731195	WINDY F.,M	1	0	5	719WaE-1	5.97	0.02	0.04	0.9	0.13	0.58	0.02	3.68	23.6
731195	WINDY F.,M	2	5	15	719WaE-2	5.80	0.04	0.03	0.3	0.11	0.56	0.02	2.36	18.3
731195	WINDY F.,M	3	15	29	719WaE-3	5.57	0.14	1.62	0.8	0.25	0.66	0.02	0.94	18.6
731197	WINTONER F	1	0	5	731197-1	6.45	0.04	0.00	6.7	0.58	0.73	0.03	2.81	19.8
731197	WINTONER F	2	5	13	731197-2	5.94	0.01	0.30	3.4	0.46	0.62	0.02	1.60	17.4
731197	WINTONER F	3	13	22	731197-3	6.09	0.06	0.25	4.2	0.71	0.62	0.02	0.45	16.1
731197	WINTONER F	4	22	36	731197-4	6.08	0.03	0.26	5.1	1.59	0.49	0.02	0.22	16.6
731197	WINTONER F	5	36	60	731197-5	5.99	0.04	0.22	9.2	1.60	0.44	0.04	0.11	17.9
731199	TALLAC F.	1	0	7	719TbE-1	5.9	0.11	0.16	1.00	0.21	0.44	0.08	3.96	3.
731199	TALLAC F.	2	7	30	719TbE-3	6.1	0.01	0.11	1.19	0.33	0.57	0.12	1.43	3.4
731199	TALLAC F.	3	30	60	719TbE-4	6.1	0.03	0.12	1.70	0.13	0.53	0.13	1.39	3.6
750104	AQUIC DYST XEROCHREP	1	0	5	750104-1	5.64	0.03	0.47	5.3	0.62	0.16	0.30	1.79	13.1
750104	AQUIC DYST XEROCHREP	2	5	18	750104-2	5.29	0.23	0.78	5.4	0.33	0.21	0.31	1.95	13.7
750104	AQUIC DYST XEROCHREP	3	18	28	750104-3	5.07	0.22	1.62	3.3	0.22	<0.1	0.34	1.18	12.2
750104	AQUIC DYST XEROCHREP	4	28	48	750104-4	5.11	0.17	1.28	5.5	0.57	<0.1	0.44	0.98	11.
750104	AQUIC DYST XEROCHREP	5	48	60	750104-5	5.36	0.07	0.53	3.5	0.20	<0.1	0.34	0.16	4.2
750112	CANNELL FA	1	0	7	760603-1	6.2	0.11	0.00	2.64	0.17	0.48	0.07	1.19	3.8
750112	CANNELL FA	2	7	50	760603-2	6.4	0.13	0.04	2.22	0.22	0.56	0.08	0.27	3.7
750113	LITHIC XEROPSAMMENTS	1	0	6	750113-1	5.55	0.12	0.62	1.4	0.10	0.15	0.20	2.74	12.2
750113	LITHIC XEROPSAMMENTS	2	6	13	750113-2	5.70	0.08	0.38	0.9	0.10	0.14	0.19	1.39	7.7
750113	LITHIC XEROPSAMMENTS	3	13	19	750113-3	5.71	0.07	0.23	0.4	0.06	0.09	0.17	0.89	3.4
750115	CAGWIN FAM	1	0	5	750115-1	5.8	0.02	0.20	1.41	0.10	0.33	0.06	4.32	3.1
750115	CAGWIN FAM	2	5	17	750115-2	6.1	0.01	0.15	0.95	0.24	0.22	0.07	1.30	2.9
750115	CAGWIN FAM	3	17	32	750115-3	6.0	0.06	0.21	0.18	0.03	0.08	0.07	0.94	2.6
750131	DYSTRIC XEROCHREPTS	1	0	5	760603-1	6.2	0.11	0.00	2.64	0.17	0.48	0.07	1.19	3.8
750131	DYSTRIC XEROCHREPTS	2	5	32	760603-2	6.4	0.13	0.04	2.22	0.22	0.56	0.08	0.27	3.7
750131	TYPIC XERUMBREPTS	1	0	5	750131-1	5.79	0.01	0.30	2.6	0.19	0.36	0.20	4.57	18.8

TABLE 8.9 - LABDATA
(Laboratory Data)

muid	compname	layernum	laydepl	laydeph	source	pH1	H+	Al+++	Ca++	Mg++	K+	Na+	%oc	cec
750131	TYPIC XERUMBREPTS	2	5	10	750131-2	5.76	0.01	0.29	1.4	0.13	0.15	0.19	3.45	15.
750131	TYPIC XERUMBREPTS	3	10	22	750131-3	5.82	0.02	0.10	0.7	0.14	0.14	0.19	1.37	10.6
750131	TYPIC XERUMBREPTS	4	22	39	750131-4	5.62	0.03	0.23	0.6	0.21	0.12	0.20	0.53	7.1
750131	TYPIC XERUMBREPTS	5	39	60	750131-5	5.50	0.05	0.67	0.5	0.25	0.10	0.17	0.22	5.8
750132	ENTIC CRYUMBREPTS	1	0	4	750132-1	4.72	0.26	1.14	3.1	0.11	0.20	0.40	5.04	13.9
750132	ENTIC CRYUMBREPTS	2	4	11	750132-2	4.95	0.22	1.18	1.7	0.10	0.10	0.32	4.04	11.8
750132	ENTIC CRYUMBREPTS	3	11	27	750132-3	5.28	0.12	0.65	0.2	0.02	0.14	0.11	1.63	8.7
750134	GERLE FAMI	1	0	14	731116-1	5.5	0.12	0.85	0.29	0.02	0.11	0.08	5.34	2.7
750134	GERLE FAMI	2	14	26	731116-2	5.6	0.04	0.45	1.06	0.06	0.15	0.09	3.63	3.2
750134	GERLE FAMI	3	26	38	731116-3	5.6	0.12	0.21	0.89	0.09	0.22	0.06	2.02	2.9
750143	ENTIC XERU	1	0	8	719LcE-1	6.34	0.00	0.00	5.5	0.18	0.41	0.20	2.13	13.4
750143	ENTIC XERU	2	8	18	719LcE-4	6.42	0.00	0.17	3.1	0.16	0.54	0.23	0.80	12.6
750143	LEDFORD FA	1	0	18	719LcE-1	6.34	0.00	0.00	5.5	0.18	0.41	0.20	2.13	13.4
750143	LEDFORD FA	2	18	36	719LcE-3	6.27	0.04	0.03	2.6	0.13	0.45	0.20	1.29	11.5
750143	LEDFORD FA	3	36	60	719LcE-4	6.42	0.00	0.17	3.1	0.16	0.54	0.23	0.80	12.6
750149	CRYORTHENTS	1	0	21	750162-1	5.29	0.16	0.98	1.3	0.10	0.20	0.24	4.16	10.9
750149	CRYORTHENTS	2	21	39	750162-3	5.15	0.01	0.44	0.6	0.02	<0.1	0.25	1.57	8.2
750158	SIRRETTA F	1	0	1	750158-1	5.41	0.09	0.40	1.1	0.13	0.33	0.20	4.79	16.9
750158	SIRRETTA F	2	1	7	750158-2	5.14	0.17	1.08	0.5	0.53	0.09	0.21	2.29	10.2
750158	SIRRETTA F	3	7	30	750158-3	5.19	0.10	0.88	0.3	0.03	0.08	0.18	1.75	9.
750158	SIRRETTA F	4	30	45	750158-4	5.20	0.32	0.57	0.2	0.03	0.09	0.19	0.92	6.6
750158	SIRRETTA F	5	45	60	750158-5	5.08	0.10	0.74	0.2	0.01	0.07	0.20	0.77	5.9
750162	STECUM FAMILY	1	0	9	750162-1	5.29	0.16	0.98	1.3	0.10	0.20	0.24	4.16	10.9
750162	STECUM FAMILY	2	9	16	750162-2	5.36	0.16	0.24	1.2	0.02	<0.1	0.30	1.16	6.6
750162	STECUM FAMILY	3	16	23	750162-3	5.15	0.01	0.44	0.6	0.02	<0.1	0.25	1.57	8.2
750162	STECUM FAMILY	4	23	31	750162-4	5.12	0.03	0.51	0.4	<0.02	<0.1	0.25	1.58	7.2
750162	STECUM FAMILY	5	31	44	750162-5	5.21	0.04	0.36	0.3	<0.02	<0.1	0.24	0.50	3.3
750162	STECUM FAMILY	6	44	60	750162-6	5.41	0.02	0.29	0.2	0.02	<0.2	0.20	0.16	1.8
750163	AQUIC CRYU	1	0	14	760311-1B	5.0	0.31	1.28	0.25	0.06	0.15	0.17	4.00	3.2
750163	AQUIC CRYU	2	14	20	760311-2B	5.2	0.23	0.64	0.24	0.03	0.11	0.09	1.58	2.4
750163	AQUIC CRYU	3	20	60	760311-4B	5.3	0.28	0.76	0.32	0.16	0.12	0.08	0.96	2.6
750174	UMPA FAMILY	1	0	6	750174-1	5.56	0.03	0.08	13.6	0.76	0.29	0.20	7.98	25.4
750174	UMPA FAMILY	2	6	18	750174-2	5.62	0.08	0.54	1.6	0.09	0.24	0.20	2.82	12.8
750174	UMPA FAMILY	3	18	32	750174-3	5.51	0.08	0.72	0.9	0.10	0.31	0.22	2.31	11.8
750174	UMPA FAMILY	4	32	48	750174-4	5.28	0.04	1.18	0.4	0.05	0.20	0.18	1.06	8.8
750174	UMPA FAMILY	5	48	60	750174-5	5.12	0.10	2.14	0.7	0.14	0.19	0.22	0.82	11.3
760219	CHESAW FAM	1	0	16	719LcE-1	6.34	0.00	0.00	5.5	0.18	0.41	0.20	2.13	13.4
760219	CHESAW FAM	2	16	30	719LcE-3	6.27	0.04	0.03	2.6	0.13	0.45	0.20	1.29	11.5
760303	MONACHE	1	0	23	760311-1B	5.0	0.31	1.28	0.25	0.06	0.15	0.17	4.00	3.2
760303	MONACHE	2	23	36	760311-3B	5.3	0.21	1.13	0.40	0.05	0.13	0.08	1.62	2.7
760303	MONACHE	3	36	60	760311-4B	5.3	0.28	0.76	0.32	0.16	0.12	0.08	0.96	2.6
760309	TYPIC HAPL	1	0	14	760613-4	6.18	0.11	0.10	12.1	1.61	0.17	0.24	0.53	11.9
760309	TYPIC HAPL	2	14	26	760613-4	6.18	0.11	0.10	12.1	1.61	0.17	0.24	0.53	11.9
760309	TYPIC HAPL	3	26	39	760613-4	6.18	0.11	0.10	12.1	1.61	0.17	0.24	0.53	11.9
760310	CAGWIN VAR	1	0	4	750115-1	5.8	0.02	0.20	1.41	0.10	0.33	0.06	4.32	3.1
760310	CAGWIN VAR	2	4	60	750115-3	6.0	0.06	0.21	0.18	0.03	0.08	0.07	0.94	2.6
760311	MONACHE VARIANT	1	0	16	760311-1	5.10	0.39	3.12	4.2	0.21	0.19	0.53	12.50	55.7
760311	MONACHE VARIANT	2	16	26	760311-2	5.29	0.43	2.96	4.1	0.28	0.08	0.40	5.01	40.5
760311	MONACHE VARIANT	3	26	37	760311-3	5.60	0.41	2.21	5.1	0.56	0.05	0.38	3.58	37.2
760311	MONACHE VARIANT	4	37	60	760311-4	5.59	0.24	1.62	2.1	0.22	<0.05	0.33	2.81	30.3
760311	SEQUOIA MEADOW	1B	0	8	760311-1B	5.0	0.31	1.28	0.25	0.06	0.15	0.17	4.00	3.2
760311	SEQUOIA MEADOW	2B	8	18	760311-2B	5.2	0.23	0.64	0.24	0.03	0.11	0.09	1.58	2.4
760311	SEQUOIA MEADOW	3B	18	30	760311-3B	5.3	0.21	1.13	0.40	0.05	0.13	0.08	1.62	2.7
760311	SEQUOIA MEADOW	4B	30	60	760311-4B	5.3	0.28	0.76	0.32	0.16	0.12	0.08	0.96	2.6
760404	XERORTHENTS	1	0	60	750162-6	5.41	0.02	0.29	0.2	0.02	<0.2	0.20	0.16	1.8

TABLE 8.9 - LABDATA
(Laboratory Data)

muid	compname	layernum	laydepl	laydepn	source	pH1	H+	Al+++	Ca++	Mg++	K+	Na+	%oc	cec
760409	SIRRETTA	1	0	6	760409-1	6.23	0.02	0.00	7.1	0.39	0.42	0.18	3.78	14.8
760409	SIRRETTA	2	6	24	760409-2	6.37	0.00	0.03	2.4	0.26	0.28	0.20	0.89	7.8
760409	SIRRETTA	3	24	28	760409-3	6.37	0.00	0.03	2.5	0.30	0.30	0.20	0.75	6.9
760603	CANNELL	1	0	7	760603-1	6.2	0.11	0.00	2.64	0.17	0.48	0.07	1.19	3.8
760603	CANNELL	2	7	27	760603-2	6.4	0.13	0.04	2.22	0.22	0.56	0.08	0.27	3.7
760603	CANNELL	3	27	50	760603-3	6.4	0.14	0.05	4.14	0.26	0.53	0.08	0.13	5.3
760609	TOEM	1	0	3	760609-1	6.0	0.07	0.19	3.55	0.11	0.25	0.08	2.40	3.2
760609	TOEM	2	3	19	760609-2	5.7	0.18	0.53	0.56	0.17	0.14	0.07	1.03	3.5
760610	CAGWIN	1	0	13	750115-1	5.8	0.02	0.20	1.41	0.10	0.33	0.06	4.32	3.1
760610	CAGWIN	2	13	34	750115-3	6.0	0.06	0.21	0.18	0.03	0.08	0.07	0.94	2.6
760612	JUMPE FAMILY	1	0	8	760612-1	6.42	0.00	0.00	12.3	0.67	0.45	0.20	4.25	19.8
760612	JUMPE FAMILY	2	8	24	760612-2	6.61	0.02	0.00	2.8	0.31	0.39	0.18	0.54	8.4
760612	JUMPE FAMILY	3	24	48	760612-3	6.75	0.03	0.03	2.5	0.34	0.44	0.21	0.26	8.
760612	JUMPE FAMILY	4	48	52	760612-4	6.52	0.01	0.10	2.9	0.40	0.29	0.23	0.18	9.1
760613	BALD MOUNTAIN	1	0	9	760613-1	5.69	0.08	0.03	6.6	0.91	0.41	0.19	2.11	15.5
760613	BALD MOUNTAIN	2	9	24	760613-2	6.18	0.07	0.03	7.0	0.83	0.32	0.20	0.72	13.9
760613	BALD MOUNTAIN	3	24	34	760613-3	6.17	0.09	0.07	10.5	1.42	0.24	0.26	0.55	12.8
760613	BALD MOUNTAIN	4	34	48	760613-4	6.18	0.11	0.10	12.1	1.61	0.17	0.24	0.53	11.9
760625	NANNY FAMILY	1	0	6	760625-1	4.71	0.23	1.60	3.0	0.17	0.38	0.20	7.92	25.4
760625	NANNY FAMILY	2	6	16	760625-2	5.24	0.06	0.60	0.6	0.06	0.37	0.18	1.58	13.3
760625	NANNY FAMILY	3	16	27	760625-3	5.21	0.11	0.69	1.0	0.11	0.29	0.18	0.80	10.4
760625	NANNY FAMILY	4	27	47	760625-4	5.36	0.14	0.83	4.6	0.29	0.20	0.22	0.75	10.9
760625	NANNY FAMILY	5	47	60	760625-5	5.36	0.20	1.58	1.1	0.11	0.28	0.18	0.15	9.8
760643	GLEAN VARIANT	1	0	12	760613-3	6.17	0.09	0.07	10.5	1.42	0.24	0.26	0.55	12.8
760643	GLEAN VARIANT	2	12	30	760613-4	6.18	0.11	0.10	12.1	1.61	0.17	0.24	0.53	11.9
760643	GLEAN VARIANT	3	30	37	760613-4	6.18	0.11	0.10	12.1	1.61	0.17	0.24	0.53	11.9
760645	KRIEST FAM	1	0	5	760603-1	6.2	0.11	0.00	2.64	0.17	0.48	0.07	1.19	3.8
760645	KRIEST FAM	2	5	32	760603-2	6.4	0.13	0.04	2.22	0.22	0.56	0.08	0.27	3.7
760713	CHUMSTICK FAM	1	0	6	724132-1	5.46	0.05	0.75	1.2	0.08	0.22	0.02	2.84	15.8
760713	CHUMSTICK FAM	2	6	10	724132-2	5.38	0.14	0.60	0.2	0.02	0.16	0.01	1.41	11.8
760713	CHUMSTICK FAM	3	10	17	724132-2	5.38	0.14	0.60	0.2	0.02	0.16	0.01	1.41	11.8
790011	DYSTR CRYOCHR, C-L,M	1	0	5	760603-1	6.2	0.11	0.00	2.64	0.17	0.48	0.07	1.19	3.8
790011	DYSTR CRYOCHR, C-L,M	2	5	24	760603-2	6.4	0.13	0.04	2.22	0.22	0.56	0.08	0.27	3.7
790011	DYSTR CRYOCHR, C-L,M	3	24	60	760603-3	6.4	0.14	0.05	4.14	0.26	0.53	0.08	0.13	5.3
790011	LITHIC CRYUMBR, L, M	1	0	9	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
790011	LITHIC CRYUMBR, L, M	2	9	18	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
790040	PACH CRYOBOR, L-SK,M	1	0	22	760311-1	5.10	0.39	3.12	4.2	0.21	0.19	0.53	12.50	55.7
790040	PACH CRYOBOR, L-SK,M	2	22	60	760311-3	5.60	0.41	2.21	5.1	0.56	0.05	0.38	3.58	37.2
790051	TYPIC CRYOFLU,S-SK,M	1	0	6	760311-1B	5.0	0.31	1.28	0.25	0.06	0.15	0.17	4.00	3.2
790051	TYPIC CRYOFLU,S-SK,M	2	6	17	760311-3B	5.3	0.21	1.13	0.40	0.05	0.13	0.08	1.62	2.7
790051	TYPIC CRYOFLU,S-SK,M	3	17	60	760311-4B	5.5	0.28	0.76	0.32	0.16	0.12	0.08	0.96	2.6
790052	TYPIC CRYUMBR,L-SK,M	1	0	13	792EcF-2	5.1	-0-	-0-	0.8	0.08	0.10	0.08	3.12	11.15
790052	TYPIC CRYUMBR,L-SK,M	2	13	29	792EcF-3	5.3	-0-	-0-	0.6	0.04	0.07	0.08	3.47	12.32
790052	TYPIC CRYUMBR,L-SK,M	3	29	41	792EcF-4	5.4	-0-	-0-	0.6	0.03	0.06	0.07	2.18	9.72
790060	LITHIC XERUMBR,L,M,F	1	0	9	792LueD-1	5.2	-0-	-0-	0.7	0.05	0.07	0.08	2.99	7.84
790060	LITHIC XERUMBR,L,M,F	2	9	12	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
790060	TYP XERUMBR,L-SK,M,F	1	0	10	750131-1	5.79	0.01	0.30	2.6	0.19	0.36	0.20	4.57	18.8
790060	TYP XERUMBR,L-SK,M,F	2	10	24	750131-3	5.82	0.02	0.10	0.7	0.14	0.14	0.19	1.37	10.6
790070	LITH CRYOCHR, L-SK,M	1	0	4	724132-1	5.46	0.05	0.75	1.2	0.08	0.22	0.02	2.84	15.8
790070	LITH CRYOCHR, L-SK,M	2	4	15	724132-2	5.38	0.14	0.60	0.2	0.02	0.16	0.01	1.41	11.8
790080	LITHIC CRYOCHR, L, M	1	0	4	750113-1	5.55	0.12	0.62	1.4	0.10	0.15	0.20	2.74	12.2
790080	LITHIC CRYOCHR, L, M	2	4	15	750113-3	5.71	0.07	0.23	0.4	0.06	0.09	0.17	0.89	3.4
790100	DYSTR CRYOCHR, L-S,M	1	0	6	750174-1	5.56	0.03	0.08	13.6	0.76	0.29	0.20	7.98	25.4
790100	DYSTR CRYOCHR, L-S,M	2	6	25	750174-2	5.62	0.08	0.54	1.6	0.09	0.24	0.20	2.82	12.8
790100	DYSTR CRYOCHR, L-S,M	3	25	37	750174-3	5.51	0.08	0.72	0.9	0.10	0.31	0.22	2.31	11.8

TABLE 8.9 - LABDATA
(Laboratory Data)

muid	compname	layernum	laydepl	laydeph	source	pH1	H+	Al+++	Ca++	Mg++	K+	Na+	%oc	cec
790100	DYSTR CRYOCHR, L-S,M	4	37	60	750174-5	5.12	0.10	2.14	0.7	0.14	0.19	0.22	0.82	11.3
790102	AERIC CRYAQ.,F-L, M	1	0	9	760311-1	5.10	0.39	3.12	4.2	0.21	0.19	0.53	12.50	55.7
790102	AERIC CRYAQ.,F-L, M	2	9	24	760311-3	5.60	0.41	2.21	5.1	0.56	0.05	0.38	3.58	37.2
790102	AERIC CRYAQ.,F-L, M	3	24	60	760311-4	5.59	0.24	1.62	2.1	0.22	<0.05	0.33	2.81	30.3
790110	TYPIC CRYOFLU, C-L,M	1	0	8	760311-1B	5.0	0.31	1.28	0.25	0.06	0.15	0.17	4.00	3.2
790110	TYPIC CRYOFLU, C-L,M	2	8	35	760311-2B	5.2	0.23	0.64	0.24	0.03	0.11	0.09	1.58	2.4
790110	TYPIC CRYOFLU, C-L,M	3	35	60	760311-3B	5.3	0.21	1.13	0.40	0.05	0.13	0.08	1.62	2.7
791010	TYP CRYORTH,S-SK,M,S	1	0	3	760609-1	6.0	0.07	0.19	3.55	0.11	0.25	0.08	2.40	3.2
791010	TYP CRYORTH,S-SK,M,S	2	3	7	760609-2	5.7	0.18	0.53	0.56	0.17	0.14	0.07	1.03	3.5
791022	LITH CRYUMBR, L-SK,M	1	0	4	792LueD-1	5.2	-0-	-0-	0.7	0.05	0.07	0.08	2.99	7.84
791022	LITH CRYUMBR, L-SK,M	2	4	18	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
791029	ENT XERUMBR,L-SK,M,M	1	0	5	750132-1	4.72	0.26	1.14	3.1	0.11	0.20	0.40	5.04	13.9
791029	ENT XERUMBR,L-SK,M,M	2	5	19	750132-2	4.95	0.22	1.18	1.7	0.10	0.10	0.32	4.04	11.8
791029	ENT XERUMBR,L-SK,M,M	3	19	42	750132-3	5.28	0.12	0.65	0.2	0.02	0.14	0.11	1.63	8.7
791029	LIT XERUMBR,L-SK,M,M	1	0	10	792LueD-1	5.2	-0-	-0-	0.7	0.05	0.07	0.08	2.99	7.84
791029	LIT XERUMBR,L-SK,M,M	2	10	15	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
791040	TYPIC CRYORTH,S-SK,M	1	0	4	750113-1	5.55	0.12	0.62	1.4	0.10	0.15	0.20	2.74	12.2
791040	TYPIC CRYORTH,S-SK,M	2	4	9	750113-1	5.55	0.12	0.62	1.4	0.10	0.15	0.20	2.74	12.2
791040	TYPIC CRYORTH,S-SK,M	3	9	40	750113-2	5.70	0.08	0.38	0.9	0.10	0.14	0.19	1.39	7.7
791050	TYPIC CRYUMBR,L-SK,M	1	0	8	792EcF-2	5.1	-0-	-0-	0.8	0.08	0.10	0.08	3.12	11.15
791050	TYPIC CRYUMBR,L-SK,M	2	8	21	792EcF-4	5.4	-0-	-0-	0.6	0.03	0.06	0.07	2.18	9.72
791050	TYPIC CRYUMBR,L-SK,M	3	21	28	792EcF-4	5.4	-0-	-0-	0.6	0.03	0.06	0.07	2.18	9.72
791060	LIT MOL HAP,L-SK,M,F	1	0	6	792LueD-1	5.2	-0-	-0-	0.7	0.05	0.07	0.08	2.99	7.84
791060	LIT MOL HAP,L-SK,M,F	2	6	10	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
791060	LITH XERUMB,L-SK,M,F	1	0	7	792LueD-1	5.2	-0-	-0-	0.7	0.05	0.07	0.08	2.99	7.84
791060	LITH XERUMB,L-SK,M,F	2	7	17	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
791060	TYP XERUMBR,L-SK,M,F	1	0	8	760625-1	4.71	0.23	1.60	3.0	0.17	0.38	0.20	7.92	25.4
791060	TYP XERUMBR,L-SK,M,F	2	8	21	760625-3	5.21	0.11	0.69	1.0	0.11	0.29	0.18	0.80	10.4
791090	HUMIC CRYAQU, S-SK,M	1	0	12	792AqF-1	5.2	-0-	-0-	9.77	0.89	1.04	0.30	14.40	55.2
791090	HUMIC CRYAQU, S-SK,M	2	12	23	792AqF-4	5.5	-0-	-0-	3.21	0.20	0.12	0.16	4.70	27.7
791090	HUMIC CRYAQU, S-SK,M	3	23	60	792AqF-5	6.0	-0-	-0-	1.77	0.11	0.15	0.09	1.54	10.9
791090	TYPIC CRYOFLUV, S, M	1	0	8	760311-1B	5.0	0.31	1.28	0.25	0.06	0.15	0.17	4.00	3.2
791090	TYPIC CRYOFLUV, S, M	2	8	31	760311-3B	5.3	0.21	1.13	0.40	0.05	0.13	0.08	1.62	2.7
791090	TYPIC CRYOFLUV, S, M	3	31	60	760311-4B	5.3	0.28	0.76	0.32	0.16	0.12	0.08	0.96	2.6
791110	LIT XERORTH,S-SK,M,F	1	0	2	792TcoF-1	5.1	-0-	-0-	0.4	0.02	0.11	0.11	1.63	7.9
791110	LIT XERORTH,S-SK,M,F	2	2	12	792TcoF-3	5.4	-0-	-0-	0.2	0.02	0.05	0.11	0.64	6.4
791110	LITH CRYUMBR, S-SK,M	1	0	7	792LueD-1	5.2	-0-	-0-	0.7	0.05	0.07	0.08	2.99	7.84
791110	LITH CRYUMBR, S-SK,M	2	7	13	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
792012	TYPIC CRYORTH,S-SK,M	1	0	5	750113-1	5.55	0.12	0.62	1.4	0.10	0.15	0.20	2.74	12.2
792012	TYPIC CRYORTH,S-SK,M	2	5	10	750113-3	5.71	0.07	0.23	0.4	0.06	0.09	0.17	0.89	3.4
792012	TYPIC CRYORTH,S-SK,M	3	10	44	750113-5	5.71	0.07	0.23	0.4	0.06	0.09	0.17	0.89	3.4
792030	LIT XERUMBR,L-SK,M,F	1	0	3	792LueD-1	5.2	-0-	-0-	0.7	0.05	0.07	0.08	2.99	7.84
792030	LIT XERUMBR,L-SK,M,F	2	3	8	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
792031	LITH CRYUMBR, L-SK,M	1	0	4	792LueD-1	5.2	-0-	-0-	0.7	0.05	0.07	0.08	2.99	7.84
792031	LITH CRYUMBR, L-SK,M	2	4	10	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
792033	LITH CRYOCHR,L-SK,M	1	0	5	750113-2	5.70	0.08	0.38	0.9	0.10	0.14	0.19	1.39	7.7
792033	LITH CRYOCHR,L-SK,M	2	5	17	750113-2	5.70	0.08	0.38	0.9	0.10	0.14	0.19	1.39	7.7
792037	LITH CRYOPSAMMENTS,M	1	0	6	750113-2	5.70	0.08	0.38	0.9	0.10	0.14	0.19	1.39	7.7
792037	LITH CRYOPSAMMENTS,M	2	6	17	750113-3	5.71	0.07	0.23	0.4	0.06	0.09	0.17	0.89	3.4
792101	ENT XERUMBR,S-SK,M,F	1	0	4	792EcF-1	5.2	-0-	-0-	1.2	0.10	0.17	0.08	3.44	10.3
792101	ENT XERUMBR,S-SK,M,F	2	4	11	792EcF-2	5.1	-0-	-0-	0.8	0.08	0.10	0.08	3.12	11.15
792101	ENT XERUMBR,S-SK,M,F	3	11	23	792EcF-3	5.3	-0-	-0-	0.6	0.04	0.07	0.08	3.47	12.32
792101	ENT XERUMBR,S-SK,M,F	4	23	41	792EcF-4	5.4	-0-	-0-	0.6	0.03	0.06	0.07	2.18	9.72
792101	ENTIC XERUMBR, S,M,F	1	0	11	792EcF-1	5.2	-0-	-0-	1.2	0.10	0.17	0.08	3.44	10.3
792101	ENTIC XERUMBR, S,M,F	2	11	26	792EcF-3	5.3	-0-	-0-	0.6	0.04	0.07	0.08	3.47	12.32

TABLE 8.9 - LABDATA
(Laboratory Data)

mu1d	compname	layernum	laydepl	laydeph	source	pH1	H+	Al+++	Ca++	Mg++	K+	Na+	%oc	cec
792101	ENTIC XERUMBR, S,M,F	3	26	45	792EcF-4	5.4	-0-	-0-	0.6	0.03	0.06	0.07	2.18	9.72
792101	TYP XERUMBR,L-SK,M,F	1	0	10	760625-1	4.71	0.23	1.60	3.0	0.17	0.38	0.20	7.92	25.4
792101	TYP XERUMBR,L-SK,M,F	2	10	18	760625-2	5.24	0.06	0.60	0.6	0.06	0.37	0.18	1.58	13.3
792101	TYP XERUMBR,L-SK,M,F	3	18	40	760625-5	5.36	0.20	1.58	1.1	0.11	0.28	0.18	0.15	9.8
792140	LIT MOL HAP,L-SK,M,F	1	0	8	792LueD-1	5.2	-0-	-0-	0.7	0.05	0.07	0.08	2.99	7.84
792140	LIT MOL HAP,L-SK,M,F	2	8	18	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
792160	TYPIC CRYOPSAMMENT,M	1	0	3	750113-1	5.55	0.12	0.62	1.4	0.10	0.15	0.20	2.74	12.2
792160	TYPIC CRYOPSAMMENT,M	2	3	22	750113-3	5.71	0.07	0.23	0.4	0.06	0.09	0.17	0.89	3.4
792160	TYPIC CRYOPSAMMENT,M	3	22	41	750113-3	5.71	0.07	0.23	0.4	0.06	0.09	0.17	0.89	3.4
792170	DYS CRYOCHR,S-SK,M,S	1	0	4	750158-1	5.41	0.09	0.40	1.1	0.13	0.33	0.20	4.79	16.9
792170	DYS CRYOCHR,S-SK,M,S	2	4	9	750158-2	5.14	0.17	1.08	0.5	0.53	0.09	0.21	2.29	10.2
792170	DYSTRIC CRYOCHR, S,M	1	0	7	750115-1	5.8	0.02	0.20	1.41	0.10	0.33	0.06	4.32	3.1
792170	DYSTRIC CRYOCHR, S,M	2	7	24	750115-2	6.1	0.01	0.15	0.95	0.24	0.22	0.07	1.30	2.9
792170	DYSTRIC CRYOCHR, S,M	3	24	28	750115-3	6.0	0.06	0.21	0.18	0.03	0.08	0.07	0.94	2.6
792170	DYSTRIC CRYOCHR, S,M	4	28	40	750115-3	6.0	0.06	0.21	0.18	0.03	0.08	0.07	0.94	2.6
792171	TYPIC CRYOFLU,S-SK,M	1	0	11	760311-18	5.0	0.31	1.28	0.25	0.06	0.15	0.17	4.00	3.2
792171	TYPIC CRYOFLU,S-SK,M	2	11	15	760311-38	5.3	0.21	1.13	0.40	0.05	0.13	0.08	1.62	2.7
792171	TYPIC CRYOFLU,S-SK,M	3	15	35	760311-48	5.3	0.28	0.76	0.32	0.16	0.12	0.08	0.96	2.6
792172	DYSTR CRYOCHR,S-SK,M	1	0	4	750158-1	5.41	0.09	0.40	1.1	0.13	0.33	0.20	4.79	16.9
792172	DYSTR CRYOCHR,S-SK,M	2	4	23	750158-2	5.14	0.17	1.08	0.5	0.53	0.09	0.21	2.29	10.2
792172	DYSTR CRYOCHR,S-SK,M	3	23	27	750158-4	5.20	0.32	0.57	0.2	0.03	0.09	0.19	0.92	6.6
792172	DYSTR CRYOCHR,S-SK,M	4	27	40	750158-5	5.08	0.10	0.74	0.2	0.01	0.07	0.20	0.77	5.9
792174	TYPIC CRYAQU, C-L, M	1	0	4	760311-1	5.10	0.39	3.12	4.2	0.21	0.19	0.53	12.50	55.7
792174	TYPIC CRYAQU, C-L, M	2	4	14	760311-3	5.60	0.41	2.21	5.1	0.56	0.05	0.38	3.58	37.2
792174	TYPIC CRYAQU, C-L, M	3	14	18	760311-3	5.60	0.41	2.21	5.1	0.56	0.05	0.38	3.58	37.2
792174	TYPIC CRYAQU, C-L, M	4	18	47	760311-3	5.60	0.41	2.21	5.1	0.56	0.05	0.38	3.58	37.2
792176	AERIC CRYAQU, S-SK,M	1	0	8	760311-18	5.0	0.31	1.28	0.25	0.06	0.15	0.17	4.00	3.2
792176	AERIC CRYAQU, S-SK,M	2	8	10	760311-38	5.3	0.21	1.13	0.40	0.05	0.13	0.08	1.62	2.7
792176	AERIC CRYAQU, S-SK,M	3	10	60	760311-48	5.3	0.28	0.76	0.32	0.16	0.12	0.08	0.96	2.6
792200	ULTIC HAPL, L-SK,M,F	1	0	10	792PxbD-1	6.1	-0-	-0-	6.97	0.35	0.44	0.04	6.66	20.1
792200	ULTIC HAPLO,L-SK,M,F	2	10	18	792PxbD-2	6.3	-0-	-0-	4.30	0.22	0.40	0.04	2.88	12.8
792200	ULTIC HAPLO,L-SK,M,F	3	18	28	792PxbD-4	6.4	-0-	-0-	1.59	0.14	0.41	0.04	0.54	4.6
792AqF	AQUEPTS, FRIGID	1	3	0	792AqF-1	5.2	-0-	-0-	9.77	0.89	1.04	0.30	14.40	55.2
792AqF	AQUEPTS, FRIGID	2	0	3	792AqF-2	5.3	-0-	-0-	1.25	0.09	0.12	0.06	1.93	8.3
792AqF	AQUEPTS, FRIGID	3	3	9	792AqF-3	5.4	-0-	-0-	5.32	0.38	0.15	0.17	15.48	60.3
792AqF	AQUEPTS, FRIGID	4	9	27	792AqF-4	5.5	-0-	-0-	3.21	0.20	0.12	0.16	4.70	27.7
792AqF	AQUEPTS, FRIGID	5	27	43	792AqF-5	6.0	-0-	-0-	1.77	0.11	0.15	0.09	1.54	10.9
792CaQ	CRYAQUEPTS	1	0	4	792CaQ-1	4.4	-0-	-0-	5.3	1.50	0.95	0.19	28.7	52.1
792CaQ	CRYAQUEPTS	2	4	10	792CaQ-2	4.7	-0-	-0-	0.6	0.14	0.23	0.14	16.4	25.7
792CaQ	CRYAQUEPTS	3	10	15	792CaQ-3	5.1	-0-	-0-	0.5	0.05	0.09	0.11	6.9	15.5
792CoF	CRYORTHODS	1	0	3	792TcoF-1	5.1	-0-	-0-	0.4	0.02	0.11	0.11	1.63	7.9
792CoF	CRYORTHODS	2	3	7	792TcoF-1	5.1	-0-	-0-	0.4	0.02	0.11	0.11	1.63	7.9
792CoF	CRYORTHODS	3	7	27	792TcoF-3	5.4	-0-	-0-	0.2	0.02	0.05	0.11	0.64	6.4
792EaD	ENTIC CRYUMBR,S-SK,M	1	0	2	792EcF-1	5.2	-0-	-0-	1.2	0.10	0.17	0.08	3.44	10.3
792EaD	ENTIC CRYUMBR,S-SK,M	2	2	11	792EcF-2	5.1	-0-	-0-	0.8	0.08	0.10	0.08	3.12	11.15
792EaD	ENTIC CRYUMBR,S-SK,M	3	11	28	792EcF-3	5.3	-0-	-0-	0.6	0.04	0.07	0.08	3.47	12.32
792EaD	ENTIC CRYUMBR,S-SK,M	4	28	60	792EcF-4	5.4	-0-	-0-	0.06	0.03	0.06	0.07	2.18	9.72
792EbD	ENTIC CRYUMBR, C-L,M	1	0	2	792EcF-1	5.2	-0-	-0-	1.2	0.10	0.17	0.08	3.44	10.3
792EbD	ENTIC CRYUMBR, C-L,M	2	2	11	792EcF-2	5.1	-0-	-0-	0.8	0.08	0.10	0.08	3.12	11.15
792EbD	ENTIC CRYUMBR, C-L,M	3	11	28	792EcF-3	5.3	-0-	-0-	0.6	0.04	0.07	0.08	3.47	12.32
792EbD	ENTIC CRYUMBR, C-L,M	4	28	60	792EcF-4	5.4	-0-	-0-	0.6	0.03	0.06	0.07	2.18	9.72
792EcF	ENTIC CRYUMBR,L-SK,M	1	0	2	792EcF-1	5.2	-0-	-0-	1.2	0.10	0.17	0.08	3.44	10.3
792EcF	ENTIC CRYUMBR,L-SK,M	2	2	11	792EcF-2	5.1	-0-	-0-	0.8	0.08	0.10	0.08	3.12	11.15
792EcF	ENTIC CRYUMBR,L-SK,M	3	11	22	792EcF-3	5.3	-0-	-0-	0.6	0.04	0.07	0.08	3.47	12.32
792EcF	ENTIC CRYUMBR,L-SK,M	4	22	28	792EcF-4	5.4	-0-	-0-	0.6	0.03	0.06	0.07	2.18	9.72

TABLE 8.9 - LABDATA
(Laboratory Data)

auid	compname	layernum	laydepl	laydeph	source	pHi	H+	Al+++	Ca++	Mg++	K+	Na+	%oc	cec
792EcF	ENTIC CRYUMBR,L-SK,M	5	28	60	792EcF-4	5.4	-0-	-0-	0.6	0.03	0.06	0.07	2.18	9.72
792ExbF	ENTIC XERUMBR, S, F	1	0	8	792EcF-2	5.1	-0-	-0-	0.8	0.08	0.10	0.08	3.12	11.15
792ExbF	ENTIC XERUMBR, S, F	2	8	14	792EcF-3	5.3	-0-	-0-	0.6	0.04	0.07	0.08	3.47	12.32
792ExbF	ENTIC XERUMBR, S, F	3	14	19	792EcF-4	5.4	-0-	-0-	0.6	0.03	0.06	0.07	2.18	9.72
792ExcG	ENTIC XERUMBREPTS, F	1	0	18	792EcF-2	5.1	-0-	-0-	0.8	0.08	0.10	0.08	3.12	11.15
792ExcG	ENTIC XERUMBREPTS, F	2	18	24	792EcF-3	5.3	-0-	-0-	0.6	0.04	0.07	0.08	3.47	12.32
792ExcG	ENTIC XERUMBREPTS, F	3	24	59	792EcF-4	5.4	-0-	-0-	0.6	0.03	0.06	0.07	2.18	9.72
792ExdF	ENT XERUMBR, L-SK, F	1	0	18	792EcF-2	5.1	-0-	-0-	0.8	0.08	0.10	0.08	3.12	11.15
792ExdF	ENT XERUMBR, L-SK, F	2	18	24	792EcF-3	5.3	-0-	-0-	0.6	0.04	0.07	0.08	3.47	12.32
792ExdF	ENT XERUMBR, L-SK, F	3	24	59	792EcF-4	5.4	-0-	-0-	0.6	0.03	0.06	0.07	2.18	9.72
792JgoF	LITHIC XERUMBR,S,M,F	1	0	2	792JgoF-1	5.1	-0-	-0-	4.13	0.30	0.42	-0-	7.85	23.7
792JgoF	LITHIC XERUMBR,S,M,F	2	2	5	792JgoF-2	5.2	-0-	-0-	2.33	0.14	0.24	-0-	4.78	17.9
792LcbF	LITHIC CRYORTHENTS	1	0	2	750113-1	5.55	0.12	0.62	1.4	0.10	0.15	0.20	2.74	12.2
792LcbF	LITHIC CRYORTHENTS	2	2	17	750113-3	5.71	0.07	0.23	0.4	0.06	0.09	0.17	0.89	3.4
792LueD	LITHIC CRYUMBR, L, M	1	0	2	792LueD-1	5.2	-0-	-0-	0.7	0.05	0.07	0.08	2.99	7.84
792LueD	LITHIC CRYUMBR, L, M	2	2	9	792LueD-2	5.2	-0-	-0-	0.5	0.04	0.14	0.12	3.13	11.26
792PhxF	PACHIC HAPLUMBREP, F	1	0	3	792PxbD-1	6.1	-0-	-0-	6.97	0.35	0.44	0.04	6.66	20.1
792PhxF	PACHIC HAPLUMBREP, F	2	3	15	792PxbD-2	6.3	-0-	-0-	4.30	0.22	0.40	0.04	2.88	12.8
792PhxF	PACHIC HAPLUMBREP, F	3	15	30	792PxbD-3	6.5	-0-	-0-	1.88	0.15	0.36	0.03	0.87	6.6
792PhxF	PACHIC HAPLUMBREP, F	4	30	60	792PxbD-4	6.4	-0-	-0-	1.59	0.14	0.41	0.04	0.54	4.6
792Pxad	PACH XERUMBR, S-SK,F	1	0	3	792PxbD-1	6.1	-0-	-0-	6.97	0.35	0.44	0.04	6.66	20.1
792Pxad	PACH XERUMBR, S-SK,F	2	3	22	792PxbD-3	6.5	-0-	-0-	1.88	0.15	0.36	0.03	0.87	6.6
792Pxad	PACH XERUMBR, S-SK,F	3	22	39	792PxbD-5	6.6	-0-	-0-	1.32	0.11	0.68	0.03	0.26	6.6
792PxbD	PACHIC XERUMBR,C-L,F	1	0	3	792PxbD-1	6.1	-0-	-0-	6.97	0.35	0.44	0.04	6.66	20.1
792PxbD	PACHIC XERUMBR,C-L,F	2	3	6	792PxbD-2	6.3	-0-	-0-	4.30	0.22	0.40	0.04	2.88	12.8
792PxbD	PACHIC XERUMBR,C-L,F	3	6	22	792PxbD-3	6.5	-0-	-0-	1.88	0.15	0.36	0.03	0.87	6.6
792PxbD	PACHIC XERUMBR,C-L,F	4	22	35	792PxbD-4	6.4	-0-	-0-	1.59	0.14	0.41	0.04	0.54	4.6
792PxbD	PACHIC XERUMBR,C-L,F	5	35	43	792PxbD-5	6.6	-0-	-0-	1.32	0.11	0.68	0.03	0.26	6.6
792PxbD	PACHIC XERUMBR,C-L,F	6	43	60	792PxbD-6	5.8	-0-	-0-	1.20	0.11	0.48	0.03	0.27	5.6
792PxbF	PACH XERUMBR,C-L,F,D	1	0	3	792PxbD-1	6.1	-0-	-0-	6.97	0.35	0.44	0.04	6.66	20.1
792PxbF	PACH XERUMBR,C-L,F,D	2	3	22	792PxbD-3	6.5	-0-	-0-	1.88	0.15	0.36	0.03	0.87	6.6
792PxbF	PACH XERUMBR,C-L,F,D	3	22	39	792PxbD-5	6.6	-0-	-0-	1.32	0.11	0.68	0.03	0.26	6.6
792PxbF	PACH XERUMBR,C-L,F,D	4	39	60	792PxbD-5	6.6	-0-	-0-	1.32	0.11	0.68	0.03	0.26	6.6
792PxdF	PACH XERUMBR, L-SK,F	1	0	3	792PxbD-1	6.1	-0-	-0-	6.97	0.35	0.44	0.04	6.66	20.1
792PxdF	PACH XERUMBR, L-SK,F	2	3	22	792PxbD-3	6.5	-0-	-0-	1.88	0.15	0.36	0.03	0.87	6.6
792PxdF	PACH XERUMBR, L-SK,F	3	22	39	792PxbD-5	6.6	-0-	-0-	1.32	0.11	0.68	0.03	0.26	6.6
792TcfD	TYPIC CRYOFLUVENTS	1	0	2	760311-1B	5.0	0.31	1.28	0.25	0.06	0.15	0.17	4.00	3.2
792TcfD	TYPIC CRYOFLUVENTS	2	2	27	760311-3B	5.3	0.21	1.13	0.40	0.05	0.13	0.08	1.62	2.7
792TcfD	TYPIC CRYOFLUVENTS	3	27	60	760311-4B	5.3	0.28	0.76	0.32	0.16	0.12	0.08	0.96	2.6
792TcoF	TYPIC CRYORTHENTS	1	0	2	792TcoF-1	5.1	-0-	-0-	0.4	0.02	0.11	0.11	1.63	7.9
792TcoF	TYPIC CRYORTHENTS	2	2	17	792TcoF-2	5.4	-0-	-0-	0.4	0.02	0.07	0.09	0.64	6.2
792TcoF	TYPIC CRYORTHENTS	3	17	24	792TcoF-3	5.4	-0-	-0-	0.2	0.02	0.05	0.11	0.64	6.4

TABLE 8.10 - DELTA pH
(Change in Soil pH)

compname	layernum	laydepl	laydeph	pH1	pH1s	pH2s	pH1n	pH2n
AERIC CRYAQ.,F-L, M	1	0	9	5.10				
AERIC CRYAQ.,F-L, M	2	9	24	5.60				
AERIC CRYAQ.,F-L, M	3	24	60	5.59				
AERIC CRYAQU, S-SK,M	1	0	8	5.0				
AERIC CRYAQU, S-SK,M	2	8	10	5.3				
AERIC CRYAQU, S-SK,M	3	10	60	5.3				
AHART	1	0	18	5.97				
AHART	2	18	31	5.31				
ANDIC CRYUMBREPTS	1	0	11	5.61				
ANDIC CRYUMBREPTS	1	0	9	5.47	4.13	4.33	3.77	3.99
ANDIC CRYUMBREPTS	2	11	24	5.61				
ANDIC CRYUMBREPTS	2	9	16	5.61	4.27	4.45	3.88	4.07
ANDIC CRYUMBREPTS	3	16	26	6.18	4.12	4.38	3.59	4.
ANDIC CRYUMBREPTS	3	24	30	6.18				
AQUEPTS	1	0	18	5.10				
AQUEPTS	2	18	28	5.29				
AQUEPTS	3	28	36	5.60				
AQUEPTS	4	36	60	5.59				
AQUEPTS, FRIGID	1	3	0	5.2				
AQUEPTS, FRIGID	2	0	3	5.3				
AQUEPTS, FRIGID	3	3	9	5.4				
AQUEPTS, FRIGID	4	9	27	5.5				
AQUEPTS, FRIGID	5	27	43	6.0				
AQUIC CRYU	1	0	14	5.0				
AQUIC CRYU	2	14	20	5.2				
AQUIC CRYU	3	20	60	5.3				
AQUIC DYST XEROCHREP	1	0	5	5.64	3.87	4.19	3.39	3.68
AQUIC DYST XEROCHREP	2	5	18	5.29	3.52	3.89	3.03	3.39
AQUIC DYST XEROCHREP	3	18	28	5.07	3.41	3.66	2.97	3.33
AQUIC DYST XEROCHREP	4	28	48	5.11	3.07	3.44	2.36	2.93
AQUIC DYST XEROCHREP	5	48	60	5.36	3.18	3.52	2.62	3.17
AQUOLLS	1	0	15	5.10				
AQUOLLS	2	15	30	5.60				
BALD MOUNTAIN	1	0	9	5.69	3.7	4.23	3.28	3.81
BALD MOUNTAIN	2	9	24	6.18	3.6	4.25	3.19	3.79
BALD MOUNTAIN	3	24	34	6.17	3.61	4.17	3.24	3.77
BALD MOUNTAIN	4	34	48	6.18	3.57	4.21	3.29	3.76
BOROLLS	1	0	15	5.10				
BOROLLS	2	15	30	5.60				
BUCKING	1	0	11	6.34				
BUCKING	2	11	51	6.42				
BUCKING VA	1	0	11	6.34				
BUCKING VA	2	11	29	6.27				
CAGWIN	1	0	13	5.8				
CAGWIN	2	13	34	6.0				
CAGWIN FAM	1	0	5	5.8	3.5	4.	3.	3.7
CAGWIN FAM	2	5	17	6.1	3.3	3.7	2.5	3.6
CAGWIN FAM	3	17	32	6.0	2.7	3.5	1.8	3.3
CAGWIN VAR	1	0	4	5.8				
CAGWIN VAR	2	4	60	6.0				
CANNELL	1	0	7	6.2	3.3	3.8	3.	3.8
CANNELL	2	7	27	6.4	2.4	3.2	2.1	3.1
CANNELL	3	27	50	6.4	2.2	2.9	2.	2.9
CANNELL FA	1	0	7	6.2				
CANNELL FA	2	7	50	6.4				

TABLE 8.10 - DELTA pH
(Change in Soil pH)

compname	layernum	laydepl	laydeph	pH1	pH1s	pH2s	pH1n	pH2n
CELIO	1	0	5	5.45	4.02	4.28	3.56	3.73
CELIO	2	5	12	5.75	4.3	4.57	3.71	3.83
CELIO	3	12	30	6.12	4.33	4.65	3.58	3.8
CELIO	4	30	40	6.38	3.35	3.9	2.91	3.54
CELIO VARI	1	0	2	5.45				
CELIO VARI	2	2	10	5.75				
CELIO VARI	3	10	60	6.12				
CHAIX VARI	1	0	10	6.2				
CHAIX VARI	2	10	22	6.4				
CHESAW FAM	1	0	16	6.34				
CHESAW FAM	2	16	30	6.27				
CHUMSTICK FAM	1	0	6	5.46				
CHUMSTICK FAM	2	6	10	5.38				
CHUMSTICK FAM	3	10	17	5.38				
CRYAQUEPTS	1	0	4	4.4				
CRYAQUEPTS	2	4	10	4.7				
CRYAQUEPTS	3	10	15	5.1				
CRYORTHENTS	1	0	21	5.29				
CRYORTHENTS	2	21	39	5.15				
CRYORTHODS	1	0	3	5.1				
CRYORTHODS	2	3	7	5.1				
CRYORTHODS	3	7	27	5.4				
CRYUMBREPTS	1	0	3	5.33				
CRYUMBREPTS	2	3	17	5.44				
CRYUMBREPTS	3	17	60	5.39				
CRYUMBREPTS, WET	1	0	15	5.10				
CRYUMBREPTS, WET	2	15	30	5.29				
CRYUMBREPTS, WET	3	30	60	5.60				
DYS CRYOCHR,S-SK,M,S	1	0	4	5.41				
DYS CRYOCHR,S-SK,M,S	2	4	9	5.14				
DYSTR CRYOCHR, C-L,M	1	0	5	6.2				
DYSTR CRYOCHR, C-L,M	2	5	24	6.4				
DYSTR CRYOCHR, C-L,M	3	24	60	6.4				
DYSTR CRYOCHR, L-S,M	1	0	6	5.56				
DYSTR CRYOCHR, L-S,M	2	6	25	5.62				
DYSTR CRYOCHR, L-S,M	3	25	37	5.51				
DYSTR CRYOCHR, L-S,M	4	37	60	5.12				
DYSTR CRYOCHR,S-SK,M	1	0	4	5.41				
DYSTR CRYOCHR,S-SK,M	2	4	23	5.14				
DYSTR CRYOCHR,S-SK,M	3	23	27	5.20				
DYSTR CRYOCHR,S-SK,M	4	27	40	5.08				
DYSTRIC CRYOCHR, S,M	1	0	7	5.8				
DYSTRIC CRYOCHR, S,M	2	7	24	6.1				
DYSTRIC CRYOCHR, S,M	3	24	28	6.0				
DYSTRIC CRYOCHR, S,M	4	28	40	6.0				
DYSTRIC XEROCHREPTS	1	0	5	6.2				
DYSTRIC XEROCHREPTS	2	5	32	6.4				
ENT XERUMBR, L-SK, F	1	0	18	5.1				
ENT XERUMBR, L-SK, F	2	18	24	5.3				
ENT XERUMBR, L-SK, F	3	24	59	5.4				
ENT XERUMBR,L-SK,M,M	1	0	5	4.72				
ENT XERUMBR,L-SK,M,M	2	5	19	4.95				
ENT XERUMBR,L-SK,M,M	3	19	42	5.28				
ENT XERUMBR,S-SK,M,F	1	0	4	5.2				
ENT XERUMBR,S-SK,M,F	2	4	11	5.1				

TABLE B.10 - DELTA pH
(Change in Soil pH)

compname	layernum	laydepl	laydeph	pH1	pH1s	pH2s	pH1n	pH2n
ENT XERUMBR,S-SK,M,F	3	11	23	5.3				
ENT XERUMBR,S-SK,M,F	4	23	41	5.4				
ENTIC CRYUMBR, C-L,M	1	0	2	5.2				
ENTIC CRYUMBR, C-L,M	2	2	11	5.1				
ENTIC CRYUMBR, C-L,M	3	11	28	5.3				
ENTIC CRYUMBR, C-L,M	4	28	60	5.4				
ENTIC CRYUMBR, M.D.	1	0	4	5.61	3.19	4.81	2.87	3.46
ENTIC CRYUMBR, M.D.	2	4	14	5.55	3.69	3.84	3.03	3.53
ENTIC CRYUMBR, M.D.	3	14	25	5.48	3.66	3.83	2.94	3.5
ENTIC CRYUMBR,L-SK,M	1	0	2	5.2				
ENTIC CRYUMBR,L-SK,M	2	2	11	5.1				
ENTIC CRYUMBR,L-SK,M	3	11	22	5.3				
ENTIC CRYUMBR,L-SK,M	4	22	28	5.4				
ENTIC CRYUMBR,L-SK,M	5	28	60	5.4				
ENTIC CRYUMBR,S-SK,M	1	0	2	5.2				
ENTIC CRYUMBR,S-SK,M	2	2	11	5.1				
ENTIC CRYUMBR,S-SK,M	3	11	28	5.3				
ENTIC CRYUMBR,S-SK,M	4	28	60	5.4				
ENTIC CRYUMBREPTS	1	0	4	4.72	3.24	3.67	2.79	3.26
ENTIC CRYUMBREPTS	2	4	11	4.95	3.58	3.8	3.08	3.44
ENTIC CRYUMBREPTS	3	11	27	5.28	3.65	3.85	3.25	3.53
ENTIC CRYUMBREPTS,D.	1	0	4	5.61				
ENTIC CRYUMBREPTS,D.	2	4	14	5.55				
ENTIC CRYUMBREPTS,D.	3	14	50	5.48				
ENTIC CRYUMBREPTS,D.	4	50	60	5.48				
ENTIC XERU	1	0	8	6.34				
ENTIC XERU	2	8	18	6.42				
ENTIC XERUMBR, S, F	1	0	8	5.1				
ENTIC XERUMBR, S, F	2	8	14	5.3				
ENTIC XERUMBR, S, F	3	14	19	5.4				
ENTIC XERUMBR, S,M,F	1	0	11	5.2				
ENTIC XERUMBR, S,M,F	2	11	26	5.3				
ENTIC XERUMBR, S,M,F	3	26	45	5.4				
ENTIC XERUMBREPTS, F	1	0	18	5.1				
ENTIC XERUMBREPTS, F	2	18	24	5.3				
ENTIC XERUMBREPTS, F	3	24	59	5.4				
FUGAWEE	1	0	13	6.22				
FUGAWEE	2	13	35	6.03				
FUGAWEE VA	1	0	5	6.22				
FUGAWEE VA	2	5	18	6.27				
GEFO	1	0	15	5.45				
GEFO	2	15	60	6.12				
GEFO VARIA	1	0	43	5.45				
GEFO VARIA	2	43	60	6.38				
GERLE	1	0	3	5.33	2.7	3.54	2.13	3.16
GERLE	2	3	12	5.44	3.63	3.78	3.07	3.49
GERLE	3	12	18	5.41	3.65	3.8	3.1	3.55
GERLE	4	18	30	5.41	3.68	3.79	3.11	3.51
GERLE	5	30	41	5.51	3.64	3.76	3.03	3.48
GERLE	6	41	60	5.39	3.23	3.66	2.33	3.39
GERLE F.,B	1	0	10	5.5				
GERLE F.,B	2	10	40	5.6				
GERLE F.,B	3	40	60	5.6				
GERLE F.,D	1	0	10	5.5	3.7	4.1	3.5	3.8
GERLE F.,D	2	10	52	5.6	3.8	4.	3.5	3.8

TABLE B.10 - DELTA pH
(Change in Soil pH)

compname	layernum	laydepl	laydeph	pHi	pH1s	pH2s	pH1n	pH2n
GERLE F.,D	3	52	60	5.6	3.7	3.9	3.3	3.7
GERLE F.MD	1	0	10	5.5				
GERLE F.MD	2	10	30	5.6				
GERLE F.MD	3	30	40	5.6				
GERLE FAMI	1	0	14	5.5				
GERLE FAMI	2	14	26	5.6				
GERLE FAMI	3	26	38	5.6				
GLEAN VARIANT	1	0	12	6.17				
GLEAN VARIANT	2	12	30	6.18				
GLEAN VARIANT	3	30	37	6.18				
HANGTOWN	1	0	3	6.42				
HANGTOWN	2	3	24	6.61				
HANGTOWN	3	24	46	6.52				
HOTAW VARI	1	0	4	6.22				
HOTAW VARI	2	4	38	5.75				
HUMIC CRYAQU, S-SK,M	1	0	12	5.2				
HUMIC CRYAQU, S-SK,M	2	12	23	5.5				
HUMIC CRYAQU, S-SK,M	3	23	60	6.0				
INVILLE	1	0	6	5.83				
INVILLE	2	6	30	5.79				
INVILLE	3	30	60	5.86				
INVILLE F.	1	0	4	6.85				
INVILLE F.	1	0	4	6.85	5.53	6.11	4.98	5.61
INVILLE F.	2	4	19	6.33	4.69	5.17	4.11	4.43
INVILLE F.	3	19	50	6.06	3.94	4.36	3.29	3.78
INVILLE FM	1	0	10	6.85				
INVILLE FM	1	0	10	6.85				
INVILLE FM	2	10	25	6.06				
JORGE	1	0	6	5.86	4.61	4.82	3.9	4.22
JORGE	2	6	13	5.83	4.52	4.8	3.94	4.13
JORGE	3	13	20	5.79	4.4	4.68	3.82	4.03
JORGE	4	20	31	5.81	4.38	4.61	3.84	4.03
JORGE	5	31	41	5.86	4.39	4.58	3.84	4.
JORGE	6	41	47	5.86				
JORGE VARI	1	0	11	5.83				
JORGE VARI	2	11	23	5.81				
JORGE VARI	3	23	35	5.86				
JUMPE FAMILY	1	0	8	6.42	3.57	4.97	4.19	4.58
JUMPE FAMILY	2	8	24	6.61	3.3	3.97	2.78	3.46
JUMPE FAMILY	3	24	48	6.75	2.91	3.73	2.36	3.18
JUMPE FAMILY	4	48	52	6.52	2.7	3.54	2.09	2.89
KRIEST FAM	1	0	5	6.2				
KRIEST FAM	2	5	32	6.4				
LEDFORD	1	0	12	6.34				
LEDFORD	1	0	4	6.34	4.35	4.76	3.7	4.12
LEDFORD	2	4	15	6.34	4.25	4.66	3.68	3.96
LEDFORD	2	12	37	6.34				
LEDFORD	3	37	47	6.27				
LEDFORD	3	15	33	6.27	4.03	4.37	3.53	3.73
LEDFORD	4	33	41	6.42	3.97	4.25	3.4	3.68
LEDFORD	5	41	56	6.20	3.74	4.03	3.3	3.59
LEDFORD FA	1	0	18	6.34				
LEDFORD FA	2	18	36	6.27				
LEDFORD FA	3	36	60	6.42				
LEDFORD VA	1	0	3	6.34				

TABLE 8.10 - DELTA pH
(Change in Soil pH)

compname	layernum	laydepl	laydeph	pHi	pH1s	pH2s	pH1n	pH2n
LEDFORD VA	2	3	28	6.34				
LEDMOUNT VARIANT	1	0	4	5.1				
LEDMOUNT VARIANT	2	4	19	5.1				
LIT MOL HAP,L-SK,M,F	1	0	8	5.2				
LIT MOL HAP,L-SK,M,F	1	0	6	5.2				
LIT MOL HAP,L-SK,M,F	2	6	10	5.2				
LIT MOL HAP,L-SK,M,F	2	8	18	5.2				
LIT XERORTH,S-SK,M,F	1	0	2	5.1				
LIT XERORTH,S-SK,M,F	2	2	12	5.4				
LIT XERUMBR,L-SK,M,F	1	0	3	5.2				
LIT XERUMBR,L-SK,M,F	2	3	8	5.2				
LIT XERUMBR,L-SK,M,M	1	0	10	5.2				
LIT XERUMBR,L-SK,M,M	2	10	15	5.2				
LITH CRYOCHR, L-SK,M	1	0	4	5.46				
LITH CRYOCHR, L-SK,M	2	4	15	5.38				
LITH CRYOCHR,L-SK,M	1	0	5	5.70				
LITH CRYOCHR,L-SK,M	2	5	17	5.70				
LITH CRYOPSAMMENTS,M	1	0	6	5.70				
LITH CRYOPSAMMENTS,M	2	6	17	5.71				
LITH CRYUMBR, L-SK,M	1	0	4	5.2				
LITH CRYUMBR, L-SK,M	1	0	4	5.2				
LITH CRYUMBR, L-SK,M	2	4	10	5.2				
LITH CRYUMBR, L-SK,M	2	4	18	5.2				
LITH CRYUMBR, S-SK,M	1	0	7	5.2				
LITH CRYUMBR, S-SK,M	2	7	13	5.2				
LITH XERUMB,L-SK,M,F	1	0	7	5.2				
LITH XERUMB,L-SK,M,F	2	7	17	5.2				
LITHIC CRYOCHR, L, M	1	0	4	5.55				
LITHIC CRYOCHR, L, M	2	4	15	5.71				
LITHIC CRYOPSAMMENTS	1	0	4	5.00	3.67	3.88	3.17	3.54
LITHIC CRYOPSAMMENTS	2	4	9	5.13	3.83	4.	3.42	3.66
LITHIC CRYOPSAMMENTS	3	9	19	5.49	3.73	3.89	3.34	3.6
LITHIC CRYORTHENTS	1	0	2	5.55				
LITHIC CRYORTHENTS	2	2	17	5.71				
LITHIC CRYUMBR, L, M	1	0	9	5.2				
LITHIC CRYUMBR, L, M	1	0	2	5.2				
LITHIC CRYUMBR, L, M	2	2	9	5.2				
LITHIC CRYUMBR, L, M	2	9	18	5.2				
LITHIC CRYUMBREPTS	1	0	5	5.0				
LITHIC CRYUMBREPTS	1	0	3	5.0	3.8	4.2	3.7	4.
LITHIC CRYUMBREPTS	2	3	12	5.2	3.9	4.3	3.6	4.
LITHIC CRYUMBREPTS	3	12	19	5.3	4.	4.5	3.7	4.1
LITHIC XEROPSAMMENTS	1	0	6	5.55	3.17	3.79	2.7	3.37
LITHIC XEROPSAMMENTS	1	0	5	5.55				
LITHIC XEROPSAMMENTS	2	5	15	5.70				
LITHIC XEROPSAMMENTS	2	6	13	5.70	3.55	3.89	2.95	3.47
LITHIC XEROPSAMMENTS	3	13	19	5.71	3.38	3.78	2.9	3.36
LITHIC XERUMBR,L,M,F	1	0	9	5.2				
LITHIC XERUMBR,L,M,F	2	9	12	5.2				
LITHIC XERUMBR,S,M,F	1	0	2	5.1				
LITHIC XERUMBR,S,M,F	2	2	5	5.2				
LITHIC XERUMBREPTS	1	0	10	5.37				
LITHIC XERUMBREPTS	1	0	7	5.37				
LITHIC XERUMBREPTS	2	7	17	5.15				
LITHIC XERUMBREPTS	2	10	13	5.15				

TABLE 8.10 - DELTA pH
(Change in Soil pH)

compname	layernum	laydepl	laydeph	pH1	pH1s	pH2s	pH1n	pH2n
LORACK	1	0	8	5.83				
LORACK	2	8	56	5.86				
LORACK VAR	1	0	7	5.83				
LORACK VAR	2	7	25	5.86				
LORACK VAR	3	25	36	5.86				
LUMBERLY	1	0	10	5.41				
LUMBERLY	2	10	33	5.51				
MEISS	1	0	9	5.1	3.8	4.2	3.7	3.9
MEISS	2	9	19	5.5	4.	4.4	3.6	3.9
MONACHE	1	0	23	5.0				
MONACHE	2	23	36	5.3				
MONACHE	3	36	60	5.3				
MONACHE VARIANT	1	0	16	5.10	3.86	4.19	3.6	4.15
MONACHE VARIANT	2	16	26	5.29	3.65	4.02	3.41	3.58
MONACHE VARIANT	3	26	37	5.60	3.84	4.05	3.37	3.59
MONACHE VARIANT	4	37	60	5.59	3.98	4.08	3.38	3.54
NANNY FAMILY	1	0	6	4.71	3.85	4.21	3.47	3.82
NANNY FAMILY	2	6	16	5.24	3.78	4.13	3.49	3.67
NANNY FAMILY	3	16	27	5.21	3.46	3.86	2.9	3.46
NANNY FAMILY	4	27	47	5.36	3.34	3.81	2.76	3.4
NANNY FAMILY	5	47	60	5.36	3.01	3.61	2.33	3.11
NOTNED	1	0	4	6.63	4.48	5.13	3.9	4.58
NOTNED	2	4	16	6.85	3.98	4.42	3.51	3.8
NOTNED	3	16	35	6.48	3.67	3.93	3.03	3.58
NOTNED	4	35	46	6.08	3.49	3.75	2.63	3.41
NOTNED	5	46	54	6.12	3.63	3.81	2.86	3.52
NOTNED	6	54	60	6.08	3.62	3.81	3.06	3.54
ORTHENTS	1	0	2	5.00				
ORTHENTS	2	2	6	5.13				
ORTHENTS	3	6	36	5.13				
PACH CRYOBOR, L-SK,M	1	0	22	5.10				
PACH CRYOBOR, L-SK,M	2	22	60	5.60				
PACH XERUMBR, L-SK,F	1	0	3	6.1				
PACH XERUMBR, L-SK,F	2	3	22	6.5				
PACH XERUMBR, L-SK,F	3	22	39	6.6				
PACH XERUMBR, S-SK,F	1	0	3	6.1				
PACH XERUMBR, S-SK,F	2	3	22	6.5				
PACH XERUMBR, S-SK,F	3	22	39	6.6				
PACH XERUMBR,C-L,F,D	1	0	3	6.1				
PACH XERUMBR,C-L,F,D	2	3	22	6.5				
PACH XERUMBR,C-L,F,D	3	22	39	6.6				
PACH XERUMBR,C-L,F,D	4	39	60	6.6				
PACHIC HAPLUMBREP, F	1	0	3	6.1				
PACHIC HAPLUMBREP, F	2	3	15	6.3				
PACHIC HAPLUMBREP, F	3	15	30	6.5				
PACHIC HAPLUMBREP, F	4	30	60	6.4				
PACHIC XERUMBR,C-L,F	1	0	3	6.1				
PACHIC XERUMBR,C-L,F	2	3	6	6.3				
PACHIC XERUMBR,C-L,F	3	6	22	6.5				
PACHIC XERUMBR,C-L,F	4	22	35	6.4				
PACHIC XERUMBR,C-L,F	5	35	43	6.6				
PACHIC XERUMBR,C-L,F	6	43	60	5.8				
SEQUOIA MEADOW	1?	0	8	5.0	3.1	3.6	2.9	3.4
SEQUOIA MEADOW	28	8	18	5.2	2.9	3.5	2.1	3.4
SEQUOIA MEADOW	38	18	30	5.3	3.1	3.6	2.8	3.5

TABLE B.10 - DELTA pH
(Change in Soil pH)

compname	layernum	laydepl	laydeph	pH1	pH1s	pH2s	pH1n	pH2n
SEQUOIA MEADOW	48	30	60	5.3	2.9	3.5	2.5	3.5
SIRRETTA	1	0	6	6.23	4.12	4.56	3.72	4.16
SIRRETTA	2	6	24	6.37	3.68	4.03	3.16	3.56
SIRRETTA	3	24	28	6.37	3.56	3.93	3.02	3.48
SIRRETTA F	1	0	1	5.41	3.54	4.07	3.13	3.67
SIRRETTA F	2	1	7	5.14	3.49	3.81	3.06	3.47
SIRRETTA F	3	7	30	5.19	3.59	3.85	3.13	3.54
SIRRETTA F	4	30	45	5.20	3.54	3.78	3.14	3.5
SIRRETTA F	5	45	60	5.08	3.42	3.7	3.01	3.41
SMOKEY	1	0	4	5.46				
SMOKEY	1	0	3	5.46	3.81	4.19	3.41	3.76
SMOKEY	2	3	16	5.38	3.78	4.	3.28	3.67
SMOKEY	2	4	14	5.38				
SMOKEY	3	16	34	5.19	3.42	3.72	2.78	3.42
SMOKEY	3	14	24	5.19				
SMOKEY VAR	1	0	3	5.46				
SMOKEY VAR	2	3	34	5.38				
SMOKEY VAR	3	34	47	5.19				
STECUM FAMILY	1	0	9	5.29	3.5	3.83	3.13	3.5
STECUM FAMILY	2	9	16	5.36	3.93	4.05	3.55	3.73
STECUM FAMILY	3	16	23	5.15	3.86	4.	3.5	3.65
STECUM FAMILY	4	23	31	5.12	3.77	3.95	3.48	3.62
STECUM FAMILY	5	31	44	5.21	3.3	3.66	2.87	3.38
STECUM FAMILY	6	44	60	5.41	3.04	3.58	2.3	3.16
TAHOMA	1	0	2	6.22	5.	5.4	4.4	4.87
TAHOMA	2	2	8	6.03	4.7	5.02	4.13	4.47
TAHOMA	3	8	14	6.27	4.49	4.82	3.82	4.25
TAHOMA	4	14	25	5.75	4.11	4.43	3.36	3.84
TAHOMA	5	25	41	6.16	4.2	4.43	3.41	3.79
TAHOMA VAR	1	0	14	6.22				
TAHOMA VAR	2	14	48	6.16				
TALLAC	1	0	6	5.9	3.8	4.2	3.4	3.9
TALLAC	1	0	29	5.9				
TALLAC	2	29	60	6.1				
TALLAC	2	6	16	6.1	4.	4.4	3.6	3.9
TALLAC	3	16	22	6.1	3.9	4.2	3.3	3.8
TALLAC	4	22	41	6.1	3.8	4.	3.2	3.8
TALLAC	5	41	60	6.1	3.3	3.8	2.2	3.7
TALLAC F.	1	0	7	5.9				
TALLAC F.	2	7	30	6.1				
TALLAC F.	3	30	60	6.1				
TALLAC VAR	1	0	3	5.9				
TALLAC VAR	2	3	23	6.1				
TALLAC VAR	3	23	38	6.1				
TINKER	1	0	5	5.15	3.9	4.17	3.39	3.8
TINKER	1	0	18	5.15				
TINKER	2	5	21	5.11	3.99	4.18	3.6	3.67
TINKER	2	18	36	5.01				
TINKER	3	36	41	5.58				
TINKER	3	21	33	5.01	4.	4.09	3.62	3.65
TINKER	4	33	45	5.00	3.94	3.99	3.58	3.63
TINKER	5	45	60	5.58	3.74	3.88	3.42	3.6
TOEM	1	0	3	6.0	2.4	3.4	2.1	3.3
TOEM	2	3	19	5.7	2.7	3.5	2.2	3.4
TYP CRYORTH,S-SK,M,S	1	0	3	6.0				

TABLE B.10 - DELTA pH
(Change in Soil pH)

compname	layernum	laydepl	laydeph	pH1	pH1s	pH2s	pH1n	pH2n
TYP CRYORTH,S-SK,M,S	2	3	7	5.7				
TYP XERUMBR,L-SK,M,F	1	0	10	4.71				
TYP XERUMBR,L-SK,M,F	1	0	8	4.71				
TYP XERUMBR,L-SK,M,F	1	0	10	5.79				
TYP XERUMBR,L-SK,M,F	2	10	24	5.82				
TYP XERUMBR,L-SK,M,F	2	10	18	5.24				
TYP XERUMBR,L-SK,M,F	2	8	21	5.21				
TYP XERUMBR,L-SK,M,F	3	18	40	5.36				
TYPIC CRYAQU, C-L, M	1	0	4	5.10				
TYPIC CRYAQU, C-L, M	2	4	14	5.60				
TYPIC CRYAQU, C-L, M	3	14	18	5.60				
TYPIC CRYAQU, C-L, M	4	18	47	5.60				
TYPIC CRYOFLU, C-L,M	1	0	8	5.0				
TYPIC CRYOFLU, C-L,M	2	8	35	5.2				
TYPIC CRYOFLU, C-L,M	3	35	60	5.3				
TYPIC CRYOFLU,S-SK,M	1	0	6	5.0				
TYPIC CRYOFLU,S-SK,M	1	0	11	5.0				
TYPIC CRYOFLU,S-SK,M	2	11	15	5.3				
TYPIC CRYOFLU,S-SK,M	2	6	17	5.3				
TYPIC CRYOFLU,S-SK,M	3	17	60	5.3				
TYPIC CRYOFLU,S-SK,M	3	15	35	5.3				
TYPIC CRYOFLUV, S, M	1	0	8	5.0				
TYPIC CRYOFLUV, S, M	2	8	31	5.3				
TYPIC CRYOFLUV, S, M	3	31	60	5.3				
TYPIC CRYOFLUVENTS	1	0	2	5.0				
TYPIC CRYOFLUVENTS	2	2	27	5.3				
TYPIC CRYOFLUVENTS	3	27	60	5.3				
TYPIC CRYOPSAMMENT,M	1	0	3	5.55				
TYPIC CRYOPSAMMENT,M	2	3	22	5.71				
TYPIC CRYOPSAMMENT,M	3	22	41	5.71				
TYPIC CRYORTH,S-SK,M	1	0	4	5.55				
TYPIC CRYORTH,S-SK,M	1	0	5	5.55				
TYPIC CRYORTH,S-SK,M	2	4	9	5.55				
TYPIC CRYORTH,S-SK,M	2	5	10	5.71				
TYPIC CRYORTH,S-SK,M	3	10	44	5.71				
TYPIC CRYORTH,S-SK,M	3	9	40	5.70				
TYPIC CRYORTHENTS	1	0	2	5.1				
TYPIC CRYORTHENTS	2	2	17	5.4				
TYPIC CRYORTHENTS	3	17	24	5.4				
TYPIC CRYUMBR,L-SK,M	1	0	8	5.1				
TYPIC CRYUMBR,L-SK,M	1	0	13	5.1				
TYPIC CRYUMBR,L-SK,M	2	13	29	5.3				
TYPIC CRYUMBR,L-SK,M	2	8	21	5.4				
TYPIC CRYUMBR,L-SK,M	3	21	28	5.4				
TYPIC CRYUMBR,L-SK,M	3	29	41	5.4				
TYPIC HAPL	1	0	14	6.18				
TYPIC HAPL	2	14	26	6.18				
TYPIC HAPL	3	26	39	6.18				
TYPIC XERUMBREPTS	1	0	5	5.79	4.	4.59	3.63	3.9
TYPIC XERUMBREPTS	2	5	10	5.76	4.17	4.58	3.68	3.88
TYPIC XERUMBREPTS	3	10	22	5.82	3.99	4.46	3.54	3.75
TYPIC XERUMBREPTS	4	22	39	5.62	3.64	3.91	3.03	3.52
TYPIC XERUMBREPTS	5	39	60	5.50	2.81	3.58	2.07	3.09
ULTIC HAPL, L-SK,M,F	1	0	10	6.1				
ULTIC HAPLO,L-SK,M,F	2	10	18	6.3				

TABLE 8.10 - DELTA pH
(Change in Soil pH)

compname	layernum	laydepl	laydeph	pH1	pH1s	pH2s	pH1n	pH2n
ULTIC HAPLO,L-SK,M,F	3	18	28	6.4				
UMBREPTS	1	0	12	5.33				
UMBREPTS	2	12	20	5.41				
UMBREPTS	3	20	60	5.41				
UMPA	1	0	3	5.56				
UMPA	2	3	16	5.62				
UMPA	3	16	24	5.51				
UMPA FAMILY	1	0	6	5.56	4.32	4.79	3.97	4.39
UMPA FAMILY	2	6	18	5.62	3.84	4.2	3.41	3.72
UMPA FAMILY	3	18	32	5.51	3.78	4.06	3.4	3.66
UMPA FAMILY	4	32	48	5.28	3.61	3.85	3.35	3.52
UMPA FAMILY	5	48	60	5.12	3.45	3.76	3.11	3.4
WACA	1	0	3	5.7	4.7	5.3	4.6	5.
WACA	1	0	12	5.7				
WACA	2	12	32	5.7				
WACA	2	3	8	5.9	4.7	5.3	4.5	5.
WACA	3	8	16	5.7	4.5	5.	4.4	4.7
WACA	4	16	27	5.5	4.3	4.8	4.1	4.5
WINDY	1	0	7	5.97				
WINDY	1	0	6	5.97	4.81	5.19	3.96	4.1
WINDY	2	6	17	5.80	4.54	5.07	3.93	4.01
WINDY	2	7	16	5.57				
WINDY	3	16	60	5.31				
WINDY	3	17	35	5.57	4.11	4.37	3.63	3.71
WINDY	4	35	46	5.31	3.98	4.15	3.53	3.6
WINDY F.,D	1	0	7	5.97				
WINDY F.,D	2	7	15	5.80				
WINDY F.,D	3	15	52	5.80				
WINDY F.,M	1	0	5	5.97				
WINDY F.,M	2	5	15	5.80				
WINDY F.,M	3	15	29	5.57				
WINTONER F	1	0	5	6.45	4.85	5.63	4.28	4.83
WINTONER F	2	5	13	5.94	4.1	4.59	3.54	3.92
WINTONER F	3	13	22	6.09	3.94	4.32	3.34	3.72
WINTONER F	4	22	36	6.08	3.65	4.03	2.9	3.51
WINTONER F	5	36	60	5.99	3.64	3.95	2.79	3.44
WOODSEYE V	1	0	14	5.46				
XERORTHENTS	1	0	60	5.41				
XERUMBREPTS	1	0	14	5.0				
XERUMBREPTS	2	14	51	5.3				
XERUMBREPTS	3	51	60	5.3				