

Depth to Water Table—Golden Area, Colorado, Parts of Denver, Douglas, Jefferson, and Park Counties (Arvada House)

Natural Resources Conservation Service

Web Soil Survey National Cooperative Soil Survey 4/5/2012 Page 1 of 4

Area of Interest (AOI) Map Scale: 1:6,810 if printed on A size (8.5" × 11") sheet. Area of Interest (AOI) Soils Soils Soil Map Units Soil Ratings Image: Soil Map into the soil surveys that comprise your AOI were mapped at 1:24,000 Warning: Soil Map units Soil Map may not be valid at this scale. Soil Ratings Image: Soil Map may not be valid at this scale. Soil 0 Enlargement of maps beyond the scale of mapping and accuracy of soil lin placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale. Plots of 200 Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.incs.usda.gov Cortise Potitical Features Octise Cities Octise Coties PLSS Township and Range Color And Soils PLSS Section Soil Survey Varea Color Hydrologic Units Soil Survey Area Data: Version 7, May 1, 2009 Date(s) aerial images were photographed: 8/30/2005 The orthophoto or other base map on which the soil lines were compiled and digitized photaby. Map Roads Wain Roads Soil Survey Area Data: Version 7, May 1, 2009 Date(s) Bottle Highways Wain Roads Soil Survey Area Data: Version 7, May 1, 2009	Area of Interest (AOI) Map Scale: 1:6,810 if printed on A size (8.5" × 11") sheet. Soils Soil Map Units Soil Ratings Soil Map Units 0 - 25 Soil Map may not be valid at this scale. 2 5 - 50 Enlargement of maps beyond the scale of mapping and accuracy of placement. The maps do not show the small areas of contru- soils that could have been shown at a more detailed scale. 1 00 - 150 Soils that could have been shown at a more detailed scale. 2 > 200 Political Features O Citles Soil Code Political Features Soil Survey Area: Golden Area, Colorado, Parts of Denve Douglas, Jefferson, and Park Counties PLSS Township and Range Survey Area: Golden Area, Colorado, Parts of Denve Douglas, Jefferson, and Park Counties Survey Area: Golden Interset Highways Waring: Soil Map and with the soil lines w compiled and digitized probably differs from the backgroum imagery displayed on the see maps. As a result, some minor of map unit boundaries may be evident.	TION
Area of Interest (ACI) The soil surveys that comprise your AOI were mapped at 1:24,000 Soils Soil Map Units Soil Ratings 0 - 25 0 - 25 Soil Map Units 50 - 100 Enlargement of maps beyond the scale of mapping and accuracy of soil limplacement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale. 100 - 150 Source of Map: Natural Resources Conservation Service 2 > 200 Version Zamerents. Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Correlation Source of Map: Natural Resources Conservation Service • Cities Source of Map: Natural Resources Conservation Service • PLSS Township and Range Survey Area: Golden Area, Colorado, Parts of Denver, Douglas, Jefferson, and Park Counties Survey Area Data: Version 7, May 1, 2009 Date(s) aerial images were photographed: &/30/2005 The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident. Transportation US Routes • Digit Hydrologic Units Major Roads • Us Routes Major Roads • Digit Agior Roads Local Roads	Area of Interest (AOI) The soil surveys that comprise your AOI were mapped at 1: Soils Soil Map Units Soil Ratings 0 - 25 25 - 50 Soil that could have been shown the scale of mapping can cau misunderstanding of the detail of mapping and accuracy of placement. The maps do not show the small areas of contrastillation could have been shown at a more detailed scale. 50 - 100 Please rely on the bar scale on each map sheet for accurat measurements. 100 - 150 Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.go Coordinate System: UTM Zone 13N NADB3 Political Features O Cities Postal Code Soil Survey VRL: http://websoilsurvey.nrcs.usda.go Coordinate System: UTM Zone 13N NADB3 This product is generated from the USDA-NRCS certified da the version date(s) listed below. Soil Survey VRL: Soil Survey VRL: http://websoilsurvey.nrcs.usda.go Coordinate System: UTM Zone 13N NADB3 Ware Features Soil Survey Area: Golden Area, Colorado, Parts of Denve Douglas, Jefferson, and Park Counties Survey Area Data: Version 7, May 1, 2009 Date(s) aerial images were photographed: 8/30/2005 The orthophoto or other base map on which the soil lines w compiled and digitized probably differs from the background in more of map unit boundaries may be evident. Soil Survey Area Data: Version 7, May 1, 2009	.5" × 11") sheet.
Soil Map Units Warning: Soil Map nay not be valid at this scale. Soil Ratings Financial Soil Map Dunits Soil Ratings Soil Map Units Soil Ratings Call Soil Map Dunits Soil Ratings Soil Map Dunits Soil Ratings Soil Map Dunits Soil Soil Map Dunits Enlargement of maps beyond the scale of mapping and accuracy of soil limplacement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale. Soil Soil Doil 100 - 150 Tob - 200 Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: UTM Zone 13N NAD63 Postal Code Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Postal Code Soil Survey Varea: PLSS Section Soil Survey Varea: Maper Peatures Streams and Canals Streams and Canals Survey Area Soil Hydrologic Units Transportation Transportation Major Roads Warning: Soil Map may not be valid at this scale. Major Roads Local Roads	Soil Map Units Warning: Soil Map may not be valid at this scale. Soil Ratings Interstate Highways 0 - 25 Soil Actions 25 - 50 Soil Not Soil Map on the back ground in a special of mapping and accuracy of placement. The maps do not show the small areas of contrasolit soils that could have been shown at a more detailed scale. 50 - 100 Please rely on the bar scale on each map sheet for accurat measurements. 100 - 150 Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.go Coordinate System: UTI Zone 13N NAD83 Political Features Cities Postal Code Soil Survey Area: Golden Area, Colorado, Parts of Denve Douglas, Jefferson, and Park Counties Survey Area Data: Version 7, May 1, 2009 Date(s) aerial images were photographed: 8/30/2005 The orthophoto or other base map on which the soil lines w compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor of map unit boundaries may be evident. Transportation Waire Readia Maire Radis Maire Radis Vis Routes Major Roads Local Roads Local Roads	vere mapped at 1:24,00
Soil Ratings Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale. 9 50 - 100 9 100 - 150 9 100 - 150 9 200 Political Features 9 Cities 9 Postal Code 9 PLSS Township and Range 9 PLSS Township and Range 9 PLSS Section Water Features Streams and Canals 7 Streams and Canals 9 Streams and Canals 9 Nutles 9 Natures 9 Natures 9 Streams and Canals 9 Interstate Highways 9 US Routes 9 Major Roads 9 Local Roads	Soil Ratings 0 25 0 0 25 50 0 25 50 0 0 0 25 50 50 100 100 100 150 200 Political Features Cities Source of Map: Postal Code Soil Survey URL: PLSS Township and Range Streams and Canals Streams and Canals Source of Map: Vestor Features Streams and Canals Railis Interstate Highways US Routes US Routes Major Roads US Routes Major Roads Local Roads	s scale.
Image: Construction of the set of t	Image: Construction of the set of t	f mapping can cause
25 - 50 picket features 0 100 - 150 150 - 200 Source of Map: Natural Resources Conservation Service Velitical Features Ordinasting and Range 0 Cities 1 Postal Code 1 PLSS Township and Range 2 PLSS Section Veter Features Streams and Canals 3 Streams and Canals 4 Rails 7 Interstate Highways VUS Routes Major Roads 2 Local Roads	25 - 50 soils that could have been shown at a more detailed scale. 50 - 100 soils that could have been shown at a more detailed scale. 100 - 150 Please rely on the bar scale on each map sheet for accurat measurements. > 200 Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.go Coordinate System: UTM Zone 13N NAD83 Political Features Ottiss • Cities This product is generated from the USDA-NRCS certified da the version date(s) listed below. Soil Survey VRL: NAD83 Postal Code Soil Survey Area: Golden Area, Colorado, Parts of Denve Douglas, Jefferson, and Park Counties Survey Area Data: Version 7, May 1, 2009 Date(s) aerial images were photographed: 8/30/2005 The orthophoto or other base map on which the soil lines w compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor of map unit boundaries may be evident. Transportation Rails Wair Roads US Routes Major Roads Local Roads	and accuracy of soil line
50 - 100 Please rely on the bar scale on each map sheet for accurate map measurements. 150 - 200 > 200 Political Features Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: UTM Zone 13N NAD83 Political Features This product is generated from the USDA-NRCS certified data as or the version date(s) listed below. Postal Code Soil Survey Area: Golden Area, Colorado, Parts of Denver, Douglas, Jefferson, and Park Counties PLSS Section Date(s) aerial images were photographed: 8/30/2005 Water Features Streams and Canals Streams and Canals Date(s) aerial images were photographed: 8/30/2005 Transportation The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident. Transportation Wajor Roads Wajor Roads Local Roads	50 - 100 Please rely on the bar scale on each map sheet for accural measurements. 100 - 150 Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.go Coordinate System: UTM Zone 13N NAD83 Political Features This product is generated from the USDA-NRCS certified da the version date(s) listed below. Postal Code Soil Survey Area: Golden Area, Colorado, Parts of Denve Douglas, Jefferson, and Park Counties Survey Area Data: Version 7, May 1, 2009 PLSS Township and Range Survey Area: To orthophoto or other base map on which the soil lines w compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor of map unit boundaries may be evident. Transportation He Rails ✓ US Routes ✓ US Routes ✓ Local Roads	re detailed scale.
100 - 150 measurements. 150 - 200 Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: UTM Zone 13N NAD83 Political Features This product is generated from the USDA-NRCS certified data as o the version date(s) listed below. Postal Code Soil Survey Area: Golden Area, Colorado, Parts of Denver, Douglas, Jefferson, and Park Counties Survey Area Data: Version 7, May 1, 2009 PLSS Township and Range Survey Area: Golden Area, Colorado, Parts of Denver, Douglas, Jefferson, and Park Counties Survey Area Data: Version 7, May 1, 2009 Water Features Streams and Canals Streams and Canals imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident. Transportation US Routes Major Roads Local Roads	100 - 150 measurements. 150 - 200 Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.go Coordinate System: UTM Zone 13N NAD83 Political Features This product is generated from the USDA-NRCS certified date the version date(s) listed below. Postal Code Soil Survey Area: Golden Area, Colorado, Parts of Denve Douglas, Jefferson, and Park Counties Survey Area Data: Version 7, May 1, 2009 PLSS Township and Range Survey Area: Golden Area, Colorado, Parts of Denve Douglas, Jefferson, and Park Counties Survey Area Data: Version 7, May 1, 2009 Water Features Streams and Canals Surgery Hydrologic Units The orthophoto or other base map on which the soil lines w compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor of map unit boundaries may be evident. Interstate Highways US Routes Major Roads Major Roads Local Roads Local Roads	sheet for accurate ma
 150 - 200 200 Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: UTM Zone 13N NAD83 Political Features Cities Postal Code PLSS Township and Range PLSS Section Vater Features Streams and Canals 8-Digit Hydrologic Units Transportation Rails Interstate Highways US Routes Major Roads Local Roads 	150 - 200 Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.go Coordinate System: UTM Zone 13N NAD83 Political Features This product is generated from the USDA-NRCS certified da the version date(s) listed below. Postal Code Soil Survey Area: Golden Area, Colorado, Parts of Denve Douglas, Jefferson, and Park Counties PLSS Township and Range Survey Area: Version 7, May 1, 2009 PLSS Section Date(s) aerial images were photographed: 8/30/2005 Water Features The orthophoto or other base map on which the soil lines w compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor of map unit boundaries may be evident. Transportation Rails Wurder Reades Major Roads Local Roads Local Roads	
> 200 Web Soli Survey OKE: Interstate Highways > 200 Coordinate System: UTM Zone 13N NAD83 Postal Code This product is generated from the USDA-NRCS certified data as of the version date(s) listed below. PLSS Township and Range Soil Survey Area: Golden Area, Colorado, Parts of Denver, Douglas, Jefferson, and Park Counties Streams and Canals Streams and Canals Date(s) aerial images were photographed: 8/30/2005 Transportation Transportation The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident. Major Roads Major Roads Local Roads Local Roads	> 200 Web Soli Survey ORE: Inttp://websolisturvey.hrcs.usda.go Coordinate System: UTM Zone 13N NAD83 Cities This product is generated from the USDA-NRCS certified date the version date(s) listed below. PlsS Township and Range Soil Survey Area: PLSS Township and Range Survey Area: PLSS Township and Range Survey Area Data: Version 7, May 1, 2009 Date(s) aerial images were photographed: 8-Digit Hydrologic Units The orthophoto or other base map on which the soil lines w compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor of map unit boundaries may be evident. Transportation US Routes Major Roads Major Roads Local Roads Local Roads	Conservation Service
Political Features This product is generated from the USDA-NRCS certified data as of the version date(s) listed below. Image: Plass Township and Range Soil Survey Area: Golden Area, Colorado, Parts of Denver, Douglas, Jefferson, and Park Counties Image: Plass Section Date(s) aerial images were photographed: 8/30/2005 Water Features: Version and Canals Date(s) aerial images were photographed: 8/30/2005 Image: Plass and Canals The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident. Image: Plass Result Rails Image: Version Context Versite Highways Image: Versite Highways Versite Highways Image: Versite Kighways Versite Kighways Versite Kighways Versite Kighways	Political F=Jures This product is generated from the USDA-NRCS certified day the version date(s) listed below. Image: Postal Code Image: Soil Survey Area: Golden Area, Colorado, Parts of Deny Douglas, Jefferson, and Park Counties Image: Version 7, May 1, 2009 Image: Date(s) aerial images were photographed: 8/30/2005 Verse: The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor of map unit boundaries may be evident. Image: Rails Image: US Routes Image: US Routes Image: Major Roads Image: Local Roads	AD83
 Cities Postal Code PLSS Township and Range PLSS Township and Range PLSS Section Streams and Canals 8-Digit Hydrologic Units Transportation Rails Interstate Highways US Routes Major Roads Local Roads 	 Cities Postal Code PLSS Township and Range PLSS Township and Range PLSS Section Streams and Canals 8-Digit Hydrologic Units Transportation Rails Interstate Highways US Routes Major Roads Local Roads the version date(s) listed below. Soil Survey Area: Golden Area, Colorado, Parts of Denve Douglas, Jefferson, and Park Counties Soil Survey Area Data: Version 7, May 1, 2009 Date(s) aerial images were photographed: 8/30/2005 The orthophoto or other base map on which the soil lines w compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor of map unit boundaries may be evident. 	NRCS certified data as
Soil Survey Area: Golden Area, Colorado, Parts of Denver, Douglas, Jefferson, and Park Counties PLSS Township and Range Survey Area Data: PLSS Section Date(s) aerial images were photographed: 8-Digit Hydrologic Units Transportation Rails Interstate Highways US Routes Major Roads Major Roads Local Roads	Soil Survey Area: Golden Area, Colorado, Parts of Denvi PLSS Township and Douglas, Jefferson, and Park Counties Range Survey Area Data: PLSS Section Date(s) aerial images were photographed: 8-Digit Hydrologic Units The orthophoto or other base map on which the soil lines w compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor of map unit boundaries may be evident. Transportation Interstate Highways VUS Routes Major Roads Local Roads Local Roads	
Range Survey Area Data: Version 7, May 1, 2009 PLSS Section Date(s) aerial images were photographed: 8/30/2005 Water Features Streams and Canals The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident. Transportation Interstate Highways US Routes Major Roads Local Roads Local Roads	Range Survey Area Data: Version 7, May 1, 2009 PLSS Section Date(s) aerial images were photographed: 8/30/2005 Water Features Streams and Canals The orthophoto or other base map on which the soil lines w compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor of map unit boundaries may be evident. Transportation Interstate Highways US Routes Major Roads Local Roads Local Roads	lo, Parts of Denver,
PLSS Section Date(s) aerial images were photographed: 8/30/2005 Water Features Streams and Canals The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident. Transportation Rails VIS Routes US Routes Major Roads Local Roads	PLSS Section Date(s) aerial images were photographed: 8/30/2005 Water Features Streams and Canals The orthophoto or other base map on which the soil lines were photographed: 8/30/2005 8-Digit Hydrologic Units The orthophoto or other base map on which the soil lines were photographed: 8/30/2005 Transportation Rails Streams and Canals Streams and Canals Water Features Najor Roads Streams and Canals Streams and Canals Interstate Highways US Routes Streams Incal Roads Local Roads Streams)09
Water Features The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident. Transportation Rails V Interstate Highways V US Routes Major Roads Local Roads	Water Features Streams and Canals The orthophoto or other base map on which the soil lines w compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor of map unit boundaries may be evident. Transportation Rails V Interstate Highways V US Routes Major Roads Local Roads	: 8/30/2005
 Streams and Canals Streams and Canals 8-Digit Hydrologic Units Transportation Rails Interstate Highways US Routes Major Roads Local Roads 	 Streams and Canals Streams and Canals 8-Digit Hydrologic Units Transportation Rails Interstate Highways US Routes Major Roads Local Roads 	ch the soil lines were
Transportation Interstate Highways VIS Routes Major Roads Local Roads	Transportation Interstate Highways US Routes Major Roads Local Roads	m the background
Interstate Highways VIS Routes Major Roads Local Roads	Interstate Highways Wajor Roads Local Roads	
 Interstate Highways US Routes Major Roads Local Roads 	Interstate Highways US Routes Major Roads Local Roads	
 US Routes Major Roads Local Roads 	Weissale Highways US Routes Major Roads Local Roads	
Major Roads	Major Roads Local Roads	
Local Roads	Local Roads	

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Golden Area, Colorado, Parts of Denver, Douglas, Jefferson, and Park Counties (CO641)						
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI		
26	Denver clay loam, 2 to 5 percent slopes	>200	11.3	5.3%		
27	Denver clay loam, 5 to 9 percent slopes	>200	26.1	12.4%		
29	Denver-Kutch clay loams, 5 to 9 percent slopes	>200	2.1	1.0%		
31	Denver-Kutch-Midway clay loams, 9 to 25 percent slopes	>200	69.3	32.8%		
42	Englewood clay loam, 2 to 5 percent slopes	>200	0.1	0.0%		
74	Lebsack clay loam, saline, 0 to 2 percent slopes	168	97.4	46.2%		
149	Standley-Nunn gravelly clay loams, 0 to 5 percent slopes	>200	4.8	2.3%		
Totals for Area of Interest			210.9	100.0%		

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Component" returns the attribute value associated with the component with the highest percent composition in the map unit. If more than one component shares the highest percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher attribute value should be returned in the case of a percent composition tie.

The result returned by this aggregation method may or may not represent the dominant condition throughout the map unit.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Lower

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

Interpret Nulls as Zero: No

This option indicates if a null value for a component should be converted to zero before aggregation occurs. This will be done only if a map unit has at least one component where this value is not null.

Beginning Month: January

Ending Month: December

