Eagle Basin-Central Colorado Trough						
Geologic Period	Phase	Sti	Hydrogeologic Unit			
Quaternary	Modern- Glaciation	Alluvium asso rivers	ociated with present	Alluvial Aquifers		
Neogene	Extension Transition	Basin-fill sediments, volcanic and instrusive rocks form local mountaious		Multiple		
Paleogene	Laramide	Laramide bas multiple aqu and Sand Wa	Multiple			
Cretaceous	Interior Seaway	Sedimentary formations of marine and coastal environments make up a		Multiple		
Jurassic		Sedimentary formations of non- marine continental environments make up a series of sandstone and shale regional hydrogeologic units of Colorado Plateaus and Colorado Piedmont regions		Multiple		
Triassic	Mesozoic					
	Sandstones			Multiple		
Permian	Ancestral Rocky Mountains	Weber Sands Member of N	Weber Aquifer			
		Maroon- Sangre de Cristo Formations		Maroon-Minturn Aquifer		
Pennsylvanian		Minturn Formation	Upper Member-Eagle Valley Formation			
			Middle Member-Eagle Valley Evaporite	Eagle Valley evaporite unit		
			Lower Member			
		Belden Formation		Belden-Molas confining unit		
		Molas Formation				
Mississippian	Paleozoic	Leadville Limestone		Mississippian- Devonian carbonate aquifer		
		Gilman sandstone				
Devonian		Chaffee Group-Dyer Dolomite				
		Parting Form	Parting confining unit			
Silurian	Carbonates					
Ordovician		Freemont Limestone-Harding Sandstone		Ordovician- Cambrian carbonate aquifer		
		Manitou-Dotsero formations				
Cambrian		Gros Ventre Formation		Gros Ventre confining unit		
		Sawatch San	Sawatch Aquifer			
Precambrian	Precambrian	Crystalline rocks of igneous and metamorphic origin in mountainous region		Crystalline bedrock		
Table 11b-01-01. Eagle Basin-Central Colorado Trough stratigraphic chart.						

		Eagle Basin-Central Colorado Trough					
Geologic Period	Phase	St	ratigraphic Unit	Unit Thickness (ft)	Physical Characteristics	Hydrogeologic Unit	
Quaternary	Modern- Glaciation	Alluvium ass	Alluvium associated with present rivers				
Neogene	Extension Transition	Basin-fill sed	Basin-fill sediments, volcanic and instrusive rocks form local mountaious region aquifers				
Paleogene	Laramide	Laramide basin formations form multiple aquifers; include Piceance and Sand Wash basins					
Cretaceous	Interior Seaway	Sedimentary Colorado Pla	v formations of marine and ateaus and Colorado Piedm	ments make up a series of shale-dominated regional hydrogeologic units of	Multiple		
Jurassic	Mesozoic	Sedimentary					
Triassic	Sandstones	units of Colorado Plateaus and Colorado Piedmont regions				Multiple	
		Weber Sandstone- Schoolhouse Member of Maroon Formation		400	Tan cross-bedded and well sorted quartz sandstone	Weber Aquifer Ri	
Permian	Permian	Maroon- Sangre de Cristo Formations		<200 - 15,000	Red, tan, and gray interbedded sandstone, gravelly sandstone, and conglomerate interbedded with mudstone; occasional limestone and dolomite	Maroon-Minturn	Very
Ancest	Ancestral	nation	Upper Member-Eagle Valley Formation		Sandstone, siltstone, limestone in various shades of gray with some red,orange and brown beds	Aquilei	proc
Pennsylvanian	ROCKY Mountains	ırn Forr	Middle Member-Eagle Valley Evaporite	200- >5,000	Pale gray to white gypsum, anhydrite and halite interbedded with gray siltstone, shale, sandstone and limestone	Eagle Valley evaporite unit	Gen sprii
		Mintu	Lower Member		Dark gray, tan and red shale, siltstone and sandstone with rare limestone and dolomite		
		Belden Formation Molas Formation		< 200 - 3,000	Gray to black shale, sandy shale, limestone and dolomite;	Belden-Molas confining unit	Pred wate
					Red to purple siltstone, sandstone, and conglomerate		
Mississippian	Aississippian	Leadville Limestone Gilman sandstone		<400 - 1,200	Bluish-gray limestone and dolomite; paleokarst in upper part locally filled with red to purple siltstone, sandstone and conglomerate of the Molas Formation	Mississippian- Devonian carbonate aquifer	Tran
					Gray sandstone interbedded with dolomite		Jour
Devonian		Chaffee Group-Dyer Dolomite			Gray to black finely crystalline dolomite, often thinly laminated		
	Paleozoic	Parting Formation		<50 - >150	White, pink and gray quartzite and quartz sandstone, sandy dolomite	Parting confining unit	Unit frac
Silurian	Carbonates						
Ordovician Cambrian		Freemont Limestone-Harding Sandstone			Sandstone and limestone	Ordovician-	Turk
		Manitou-Do	tsero formations	<200 - 400	Dolomite, dolomite conglomerate, sandy dolomite, calcareous shale and sandstone and liimestone	carbonate aquifer	Tran
		Gros Ventre Formation		<200 - 400	Shale with subordinate sandstone and carbonate interbeds	Gros Ventre confining unit	Fou
		Sawatch Sandstone		200-800	Quartzitic sandstone and dolomitic sandstone with shale partings, arkosic conglomerate at base	Sawatch Aquifer	Porc
Precambrian	Precambrian	Crystalline rocks of igneous and metamorphic origin in mountainous region					
Table 11b-01-01-	01. Eagle Basin-	Central Color	ado Trough stratigraphic	chart, detailed.	Colorado Geological Survey ON-010 Colorado Groundwater Atlas.		
Sources: Geldon (Taoal: runnzed (TAAD), BOILS (1999), NII KIIdili dilu Scott	(2002); Gelaon (2003), nayiidius aliu nagaudiii (2017)		

Hydrologic	Characteristics
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be the most porous bedrock sedimentary unit in the Upper Colorado er Basin

y thick, heterogenous unit with varying capability to yield water; duction depends of rock type and degree of fracturing

nerally a confining unit but locally yields brackish water to wells and ings

dominanatly shale but limestone and sandstone beds may transmit er

nsmits water through interconnected solution channels and fractures; rce for Glenwood Hot Springs

t is heterogenous and ability to yield water depends on rock type and cturing

nsmits water through interconnected solution channels and fractures

nd only in the deep Sand Wash Basin

osity and permeability depend on cementation and fracturing