Piceance Basin								
Geologic Period	Phase	Str	Hydrogeologic Unit					
Quaternary	Modern- Glaciation	Alluvium asso rivers	Alluvial Aquifers					
Neogene	Extension	Basalt flows		Volcanics				
	Transition	No strata						
Delagona	Laramide	Uinta Format	Upper Piceance					
				Basin Aquifer				
		Green River Formation	Parachute Creek Member	Mahogany confining unit				
				Lower Piceance				
Paleogene			Anvil Points Member	Basin Aquifer				
			Garden Gulch Member	Green River				
			Douglas Creek Member	confining unit				
		Wasatch Formation		Wasatch- Fort Union Aquifer				
		Fort Union Fo						
Cretaceous	Interior Seaway	roup	Hunter Canyon/ Williams Form Formatation	Mesaverde Aquifer				
		Mesaverde Grou	Mt. Garfield/lles					
		lesave	Formation Lower Mesaverde					
		Σ	Group, undivided					
		Mancos Shale		Mancos confining unit				
		Regional Crei dominated fo hydrogeologi confining uni						
Jurassic	N. Annon and a	Multiple sedimentary units deposited						
Triassic	Mesozoic Sandstones		in the stable continent interior may be					
Permian		present that may form aquifers Ancestral Rocky Mountains event		Colorado Plateaus Regional and Eagle Basin-Central Colorado Trough hydrogeologic units				
Pennsylvanian	Ancestral Rocky Mountains	marine and n formations fo hydrogeologi Central Color present, dep						
Mississippian	Lower Paleozois sadimentary							
Devonian								
Silurian	Paleozoic Carbonates							
Ordovician	Central Colorado Trough may be present depending on location		ado Trough may be					
Cambrian		present depo						
Precambrian	Precambrian	Crystalline ro metamorphio region	Crystalline bedrock					
Table 11b-02-05-01. Piceance Basin stratigraphic chart.								

Piceance Basin									
Geologic Period	Phase	Stratigraphic Unit		Unit Thickness (ft)	Physical Characteristics		Hydrologic Characteristics		
Quaternary	Modern- Glaciation	Alluvium asso	ociated with present rivers	•		Alluvial Aquifers			
Neogene	Extension	Basalt flows				Volcanics			
	Transition	No strata			•				
	Laramide	Uinta Formation		0-1,400	Silty sandstone, siltstone and marlstone	Upper Piceance			
		mation	Parachute Creek Member	500-1,800	Kerogenous, dolomitic marlstone and shale, nahcolite and halite	Basin Aquifer Mahogany			
						confining unit			
Paleogene		ver For				Lower Piceance Basin Aquifer			
		Green River Formation	Anvil Points Member	0-1,870	Shale, fine-grained sandstone and marlstone				
			Garden Gulch Member	0-900	Claystone, siltstone, clay-rich oil shale and marlstone	Green River confining unit			
			Douglas Creek Member	0-900	Siltstone, shale and channel sandstone	comming unit			
	l	Wasatch Formation		About 5,000	Shale, lenticular sandstone, and conglomerate	Wasatch- Fort Union			
		Fort Union Formation		Very thin	Coarse-grained sandstone	Aquifer			
Cretaceous		Group	Hunter Canyon/ Williams Form Formatation	up to 1,400	Interbedded sandstone, mudstone,carbonaceous claystone, shale and Cameo Coal	Mesaverde Aquifer	Target formations for coalbed methane		
		Mesaverde	Mt. Garfield/Iles Formation	up to 400	Interbedded sandstone, siltstone, shale and Pallisade or Cameo-Fairfield Coal				
		Me	Lower Mesaverde Group, undivided	up to 3,000	Sandstone interbedded shale and Anchor Coal				
		Mancos Shal	e	More than 7,000	Mainly shale but Frontier Sandstone may be local aquifer	Mancos confining unit			
		Regional Cretaceous Seaway shale-dominated formations form multiple hydrogeologic units, most are confining units							
Jurassic	Mesozoic	Multiple sedi	imentary units deposited in	n the stable can	tinent interior may be present that may form aquifors				
Triassic	Sandstones	iviuitipie seai	Multiple sedimentary units deposited in the stable continent interior may be present that may form aquifers			Colorado Plateaus			
Permian	Ancestral Rocky	Ancestral Rocky Mountains event marine and non-marine sedimentary formations form multiple hydrogeologic units in the Eagle Basin-Central Colorado Trough and may be present, depending on location							
Pennsylvanian	Mountains								
Mississippian						Central Colorado Trough hydrogeologic units			
Devonian	Dolocasia	Lower Dala	ania andimontary farms !!	oo thot are de	innetty limestone and delegate form wealthing a wife as weapons the the				
Silurian			zoic sedimentary formation Central Colorado Trough m		nantly limestone and dolomite form multiple aquifers preserved in the lepending on location				
Ordovician									
Cambrian									
Precambrian	Precambrian	Crystalline rocks of igneous and metamorphic origin in mountainous region							
	Table 11b-02-05-01. Piceance Basin stratigraphic chart, detailed. Colorado Geological Survey ON-010 Colorado Groundwater Atlas.								
iources: Taylor and others (1986); Freethey and Cordy (1991); Glover and others (1998); Raynolds and Hagadorn (2017)									