Colorado Plateaus Region									
Geologic Period	Phase	Stratigraphic Unit		Hydrogeologic Unit					
Quaternary	Modern- Glaciation	Alluvium associated with present rivers		Alluvial Aquifers					
	Extension	Basalt flows and small intrusives		Volcanics					
Neogene		Browns Park Formation		Browns Park					
	Transition	Bishop Conglomerate		Bishop Aquifer					
Paleogene	Laramide	Laramide bas multiple aqui Piceance and	Multiple units						
	Interior Seaway		Mancos Shale-Prairie Canyon Member	Mancos confining					
		Group	Niobrara Formation						
Cretaceous		Mancos	Montezuma Valley-Blue Hill-Coon Springs-Bridge Creek-Graneros	unit					
		Dakota Sandstone		Dakota Aquifar					
		Burro Canyon Formation							
Jurassic	Mesozoic Sandstones	mation	Morrison Formation: Brushy Basin Member	Morrison confining unit					
		Morrison Fo	Morrison Formation: Saltwash Member	Morrison Aquifer					
		San Rafael Group	Curtis-Stump-Wanakah Formations	Curtis-Stump confining unit					
			Entrada Sandstone	Entrada Aquifer					
			Carmel Formation	Carmel confining unit					
		ו Group	Navajo Sandstone						
		Canyor	Kayenta Formation	Navajo Aquifer					
		Glen (Wingate Sandstone						
Triassic		Chinle Formation		Chinle confining unit					
Permian		Moenkopi-State Bridge Formations		State Bridge unit					
· · · · · ·	Ancestral	Ancestral Rocky Mountains event							
Pennsylvanian	Rocky Mountains	marine and n formations fo the Eagle Bas Trough and P	Multiple units						
Mississippian		Lower Paleoz							
Devonian	D.I.	formations th limestone an							
Silurian	Paleozoic Innectone and dolorine form matchine aquifers preserved in the Eagle Basin- Carbonates Central Colorado Trough and Paradox Basin may be present depending on location		Lower Paleozoic carbonate aquifers						
Ordovician									
Cambrian									
Precambrian	Precambrian	Crystalline rocks of igneous and metamorphic origin in the Crysta mountainous region bedr							
Table 11a.03-01 C	olorado Plateau	is region strat	igraphic chart						

Colorado Plateaus Region									
Geologic Period	Phase	Sti	ratigraphic Unit	Unit Thickness (ft)	Physical Characteristics	Hydrogeologic Unit	Hydrologic Characteristics		
Quaternary	Modern- Glaciation	Alluvium ass	ociated with present rivers			Alluvial Aquifers			
Neogene	Extension	Basalt flows	asalt flows and small intrusives		Basalt flows, mafic, intermediate, and felsic intrusives	Volcanics			
	Extension	Browns Park Formation			Loosely cemented tuffaceous sandstone and conglomerate	Browns Park Aquifer			
Paleogene	Transition	Bishop Conglomerate			Conglomerate and ash flow tuff				
	Laramide	Laramide basin formations form multiple aquifers; include San Juan, Piceance and Sand Wash basins				Multiple units			
Cretaceous		9	Mancos Shale-Prairie Canyon Member		Shales interbedded with minor sandstone and limestone		Sandstone layers might yield limited water		
		s Grou	Niobrara Formation	1,000-10,000 e	Calcareous shale and limestone	Mancos confining			
	Interior Seaway	Manco	Montezuma Valley-Blue Hill-Coon Springs-Bridge Creek-Graneros		Shale, interlaminated siltstone, and thin-bedded sandstone	unit			
		Dakota Sandstone		0-300	Fine to coarse grained cross-bedded sandstone, conglomerate, siltstone, mudstone, carbonaceous shale and coal	Dakota Aquifer	Statewide regional bedrock aquifer that yields some water to stock and domestic wells and springs but can be very productive when fractured		
		Burro Canyon Formation		0-250	Conglomerate, sandstone and shale				
Jurassic	Mesozoic Sandstones	nation	Morrison Formation: Brushy Basin Member	400-500	Shale interbedded with minor sandstone	Morrison confining unit			
		Morrison Forr	Morrison Formation: Saltwash Member	~300	Medium grained sandstone interbedded with red shale	Morrison Aquifer	Yields small quantities to stock and domestic wells		
		dnc	Curtis-Stump-Wanakah Formations	<120	Siltstone interbeded with shale and fine-grained sandstone with some limestone and gypsum	Curtis-Stump confining unit			
		San Rafael Gr	Entrada Sandstone	15-170	Buff to grayish-white cross-bedded sandstones	Entrada Aquifer	Widespread aquifer throughout the Colorado Plateau region that potentially holds a considerable amount of water		
			Carmel Formation	0-40	Siltstone and mudstone interbedded with fine-grained sandstone	Carmel confining unit			
		Glen Canyon Group	Navajo Sandstone	0-125	Fine-grained, cross-bedded quartz sandstone		Small to moderate amounts from fractures to stock and domestic wells		
			Kayenta Formation	0-200	Sandstone interbedded with siltstone and thin-bedded shale	Navajo Aquifer			
			Wingate Sandstone	0-400	Medium grained, poorly cemented, cross-bedded sandstone				
Triassic		Chinle Formation		>420	Reddish-brown silty sandstone and siltstone with pink limestone and brown to green siltstone	Chinle confining unit	Yields small quantities where fractured to stock and domestic wells		
Permian		Moenkopi-State Bridge Formations		<200 - >400	Mudstone interbedded with minor sandstone	State Bridge unit	Yields small quantities to stock and domestic wells		
	Ancestral Rocky	Ancestral Ro	Rocky Mountains event marine and non-marine sedimentary formations form multiple aquifers in the Eagle Basin-		Multiple units				
Pennsylvanian	Mountains	Central Colorado Trough and Paradox Basin							
Mississippian Devonian									
Silurian	Paleozoic	Lower Paleo	oic sedimentary formation	ns that are domi	inantly limestone and dolomite form multiple aquifers preserved in the	Lower Paleozoic carbonate aquifers			
Ordovician	carbonates	Eagle Basin-C	entrai Colorado Trough ar.	iu Paradox Basi	n may be present depending on location				
Cambrian									
Precambrian	Precambrian	Crystalline rocks of igneous and metamorphic origin in the mountainous region				Crystalline bedrock			
Table 11a-03-01. (Table 11a-03-01. Colorado Plateaus region stratigraphic chart, detailed. Colorado Geological Survey ON-010 Colorado Groundwater Atlas.								
ources: Whittleid and others (1983); Ackerman and Rush (1984); Craigg and others (1990); Dam and others (1990); Freethey and Cordy (1991); Geldon (2003); Raynolds and Hagadorn (2017)									