



Stratigraphic Column of Jordan

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Phanerozoic Rocks of Jordan

2016

Eon	Era	Period	Epoch/Age	Group	Formation		
Phanerozoic	Cenozoic	Quaternary	Holocene		Dune Sand, Mudflats, Gravels, Wadi Sediments		
			Pleistocene	Bishriyya	Fahda Vesicular Basalt		
				Rimah	Wadi Manasif Basalt		
			Neogene	Pliocene	Asfar	Hassan Scoriaceous	
						Aritayn Volcaniclastics	
		Mahada Basalt					
		Madhala Olivine Phyric Basalt					
		Hashimyya Aphanitic Basalt					
		Miocene	Safawi	Ushayhib Olivine Pyroxene Phyric Basalt			
				Ufayhim Xenolithic Basalt			
				Salaman Flood Basalt			
				Abed Olivine Phyric Basalt			
				Ali Doleritic Basalt			
		Wisad					
		Older Basaltic Units					
		Paleogene	Oligocene		Tayyaba Limestone		
				Eocene	Wadi Shallala Chalk		
					Umm Rijam Chert-Limestone		
			Paleocene		Muwaqqar Chalk Marl		
			Cretaceous	Maastrichtian	Belqa	Al Hisa Phosphorite	
	Campanian			Amman Silicified Limestone			
	Santonian			Wadi Umm Ghudran		Fassu'a Sandstone	
	Coniacian			Ajlun		Khuraj Limestone	Harad Sandstone
	Turonian					Wadi As Sir Limestone	
	Cenomanian					Shua'yb	
		Hummar					
	Fuhays						
	Na'ur Limestone						
	Berrisian-Albian	Kurnub Sandstone					
	Mesozoic	Jurassic	Callovian-Kimmer.	Azab	Mughanniyya Limestone		
			Bathonian		Hamam Sandstone		
			Bajocian		Ramla Sandstone		
			Hettangian - Aalenian		Dhahab Limestone		
		Triassic	Carnian	Zarqa - Ma'in	Silal Sandstone		
			Ladinian		Nimr Limestone		
			Anisian		Hihi Claystone		
			Induan - Olenekian		Abu Ruwais Gypsum		
					Umm Tina Sandstone		
			Iraq Al Amir Sandstone				
	Permian	Guadalupian	Mukheries Sandstone				
	Paleozoic	Silurian	Ludlow - Pridoli	Hamra	Hisban Limestone		
			Llandovery		Ain Musa Sandstone		
		Ordovician	Sandbian - Hirnantian	Khrayim	Dardur Sandstone		
			Darriwilian		Ma'in Sandstone		
			Tremadocian - Dapingian		Umm Irna Sandstone		
		Cambrian	Late	Ram	Mudawwara Sandstone		
			Middle		Dubaydib Sandstone		
			Early		Umm Sahn Sandstone		
					Disi Sandstone		
			Burj Dolomite		Abu Khushayba Sst.		
Salib Arkosic Sandstone							

Precambrian Rocks of Jordan

Eon	Era	Period	Complex	Suite/Group	Unit/Formation
Precambrian	Neo-proterozoic	Tonian - Ediacaran	Araba	Ahaymir Volcanic	Umm Ghaddah
					Mufarqad Conglomerates
					Al Beida Porphyrites
					Abu Sakakin Comendites
					Harun Microgranite
				Feinan - Humrat - Mubarak Granitic	Museimir Effusives
					Composite Dykes of Wadi Rahma
					Es Sail Aplogranite
					Fidan Syenogranite
					Humrat Syenogranite
				Araba Mafic	Mubarak Monzogranite
					Sammaniya Microgranodiorite
					Ghuwayr Volcanics
					Mureihil (Umm Rachel) Diorite
					Qunaia Monzogabbro
			Safi	Haiyala Volcaniclastic	
				Saramuj Conglomerate	
			Aqaba	Yutum Granitic	Abu Jadda Monzogranite
					Imran Monzogranite
					Qara Granite
				Rumman Granodiorite	Ishaar Granodiorite
					Sabil Granodiorite
					Hubayra Diorite
				Urf Porphyritic	Mulghan Granodiorite
					Huneik Monzogranite
					Abyad Granodiorite
					Filk Monzogranite
					Rubeik Granodiorite
					Muheirid Granodiorite
				Darba Tonalitic	Marsad Monzogranite
Barraq Granodiorite					
Waara Granodiorite					
Rahma Foliated	Muhtadi Granodiorite				
	Huwwar Two Mica Granite				
	Taba Monzogranite				
	Es Sadra Granodiorite				
	Umm Saiyala Granite				
	Turban Granite/Granodiorite				
	Abu Radmar Granodiorite				
Naba Monzogranite					
Duheila Hornblending	Qattar Hornblende Gabbro				
Abu Saqa Schist					
Buseinat Gneiss					
Janub Metamorphic					
Abu Barqa Metamorphic	Barraq Granitic Gneiss				

References: Bandel and Khoury, 1981; Ibrahim and McCourt, 1995; Ibrahim et al., 2001; Ibrahim, 1993; Jarrar et al., 2008; Jarrar et al., 2003; Khalil and Muneizel 1992; Masri et al., 2014; Masri, 1988; McCourt and Ibrahim, 1990; Powell et al., 2015; Powell et al., 2014; Powell, 1989 a & b; Rabba et al., 1996; Stephenson and Powell, 2013; Tarawneh et al, 2000.

Chronostratigraphic units are based on the International Chronostratigraphic Chart, v 2016/04 (URL: <http://www.stratigraphy.org/ICSChart/ChronostratChart2016-04.pdf>)