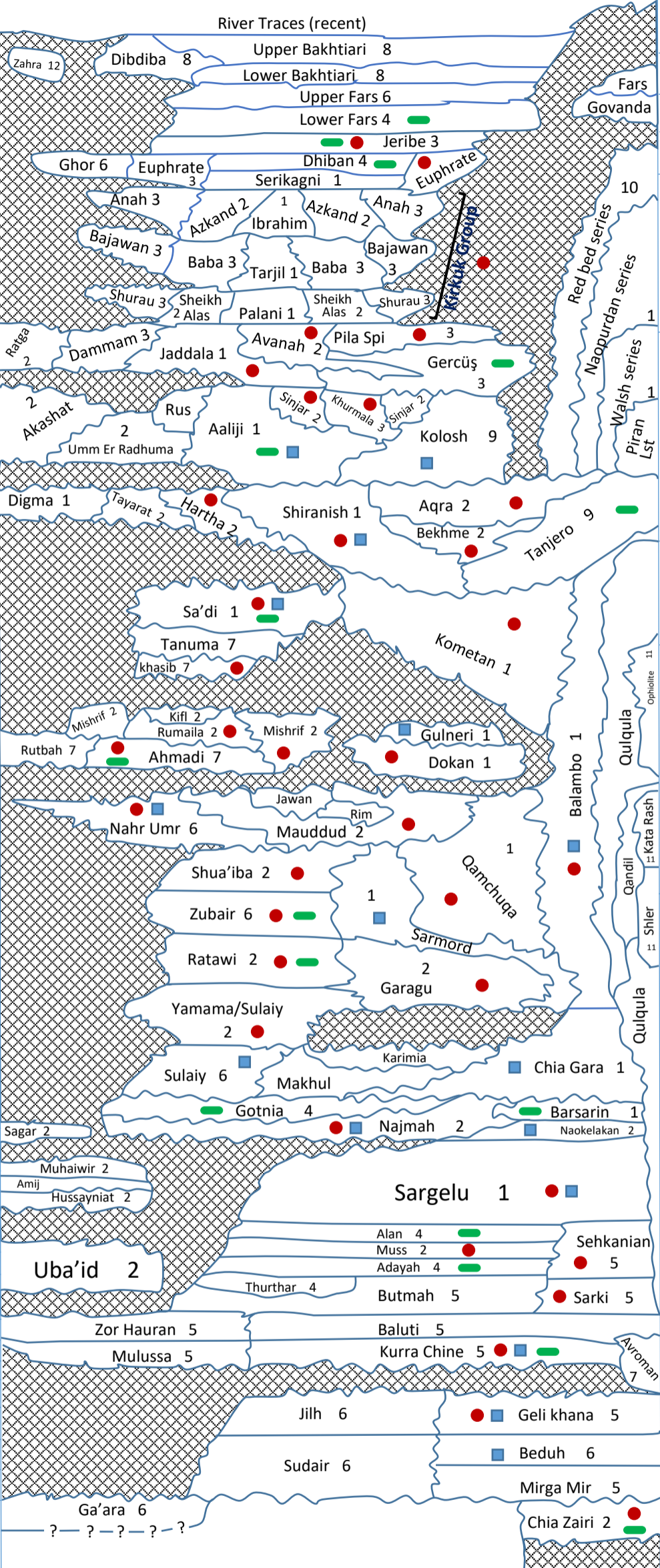


STRATIGRAPHY OF IRAQ

Erathem/ Era	System/ Period	Series/Epoch	AGE MY B.P	Stage/Age	West Desert	ABU JER	Mesopotamian	Foothill	High Folded	Imbricated	Velocity of Eurasian Plate	Direction of Movement	Sea Level	SUB OROGENY	OROGENY															
<b>CENOZOIC</b>	<b>Quaternary</b>	Holocene	0.01		Cenozoic										4.5	N20°E	Regression	Wallachian	Late Alpine											
		Pleistocene			Mesozoic																									
	<b>Neogene</b>	Pliocene	Upper	2.58	Piacenzian	Paleozoic														1.3	N20°E									
			Lower	3.600	Zanclean	Basement																								
		Miocene	Upper	5.33	Messinian	River Traces (recent)																			1.3	N20°E				
			Middle	7.246	Tortonian	Upper Bakhtiari 8																								
			Lower	11.63	Serravallian	Lower Bakhtiari 8																								
	<b>Paleogene</b>	Oligocene		23.03	Burdigalian	Upper Fars 6														1	Cm/Y	N25°W								
				28.1	Chattian	Lower Fars 4																								
				33.9	Rupelian	Ghor 6																								
				37.8	Eocene	Euphrate 3																								
				41.2	Paleocene	Serikagni 1																								
<b>MESOZOIC</b>		Upper		47.8	Priabonian	Anah 3										2.3	N30°E	Transgression	Pyrenean	Middle Alpine										
				56.0	Bartonian	Euphrate 3																								
				59.2	Lutetian	Anah 3																								
				61.6	Ypresian	Euphrate 3																								
				66.0	Thanetian	Serikagni 1																								
	<b>MESOZOIC</b>	Lower		66.0	Selandian	Anah 3										Cm/Y	N30°E		Laramide											
				72.1	Danian	Euphrate 3																								
				77.1	Maastrichtian	Anah 3																								
				83.6	Campanian	Euphrate 3																								
				86.3	Santonian	Anah 3																								
<b>MESOZOIC</b>		Upper		89.8	Coniacian	Euphrate 3										4.2	N70°E		Austrian											
				93.9	Turonian	Euphrate 3																								
				100.5	Cenomanian	Euphrate 3																								
				113.0	Albian	Euphrate 3																								
				125.0	Aptian	Euphrate 3																								
	<b>MESOZOIC</b>	Lower		129.4	Barremian	Euphrate 3										2.9	S85°E		Late Cimmerian	Early Alpine										
				132.9	Hauterivian	Euphrate 3																								
				139.8	Valanginian	Euphrate 3																								
				145.0	Berriasian	Euphrate 3																								
				152.1	Tithonian	Euphrate 3																								
<b>MESOZOIC</b>		Upper		157.3	Kimmeridgian	Euphrate 3										3.9	535°E		Middle Cimmerian											
				163.5	Oxfordian	Euphrate 3																								
				166.1	Callovian	Euphrate 3																								
				168.3	Bathonian	Euphrate 3																								
				170.3	Bajocian	Euphrate 3																								
	<b>MESOZOIC</b>	Lower		174.1	Aalenian	Euphrate 3										1.1	S85°E		Early Cimmerian											
				182.7	Toarcian	Euphrate 3																								
				187.7	Pliensbachian	Euphrate 3																								
				190.8	Sinemurian	Euphrate 3																								
				199.3	Hettangian	Euphrate 3																								
<b>MESOZOIC</b>		Upper		201.3	Rhaetian	Euphrate 3										Cm/Y	S85°E													
				208.5	Norian	Euphrate 3																								
				227	Carnian	Euphrate 3																								
				237	Ladinian	Euphrate 3																								
				242	Anisian	Euphrate 3																								
	<b>MESOZOIC</b>	Meddle		247.2	Olenekian	Euphrate 3										1.1	S85°E													
				251.2	Induan	Euphrate 3																								
				251.9	Upper Permian	Euphrate 3																								
				259.1	Middle Permian	Euphrate 3																								
				272.9	Lower Permian	Euphrate 3																								
<b>MESOZOIC</b>		Carboniferous		298.9	Pennsylvanian	Euphrate 3										3.9	535°E		Middle Cimmerian											
				323.2	Mississippian	Euphrate 3																								
				358.9	Upper Devonian	Euphrate 3																								
		<b>MESOZOIC</b>	Devonian		382.7	Upper Devonian	Euphrate 3										1.1	S85°E												
					393.3	Lower Devonian	Euphrate 3																							
				419.2	Pridoli	Euphrate 3																								
				423.0	Ludlow	Euphrate 3																								
				427.4	Wenlock	Euphrate 3																								
	<b>MESOZOIC</b>		Silurian		433.4	Llandovery	Euphrate 3										1.1	S85°E												
					443.8	Upper Silurian	Euphrate 3																							
				458.4	Middle Silurian	Euphrate 3																								
				470.0	Lower Silurian	Euphrate 3																								
				485.4	Furongian	Euphrate 3																								
<b>MESOZOIC</b>		Cambrian		497	Series 3	Euphrate 3										1.1	S85°E													
				509	Series 2	Euphrate 3																								
				521	Terreneuvian	Euphrate 3																								
			541.0			Euphrate 3																								



**Lithology Key**

- Basinal marl, shale & Lst.
- Neritic shoal, shelf Lst.
- Back reef & lagoonal Lst.
- Anhydrite with silt & Lst.
- Alternation calcareous shale dolostone.
- Marine Sst, siltstone & Mixed Clastics.
- Neritic marl, shale & silty shale.
- Continental Sst., A lacustrine clasts.
- Flysch-like clasts.
- Red Bed
- Volcanic intrusive or igneous rock
- Freshwater sand & Lst.

**Reservoir** (Red Circle)

**Source** (Blue Square)

**Seal** (Green Oval)