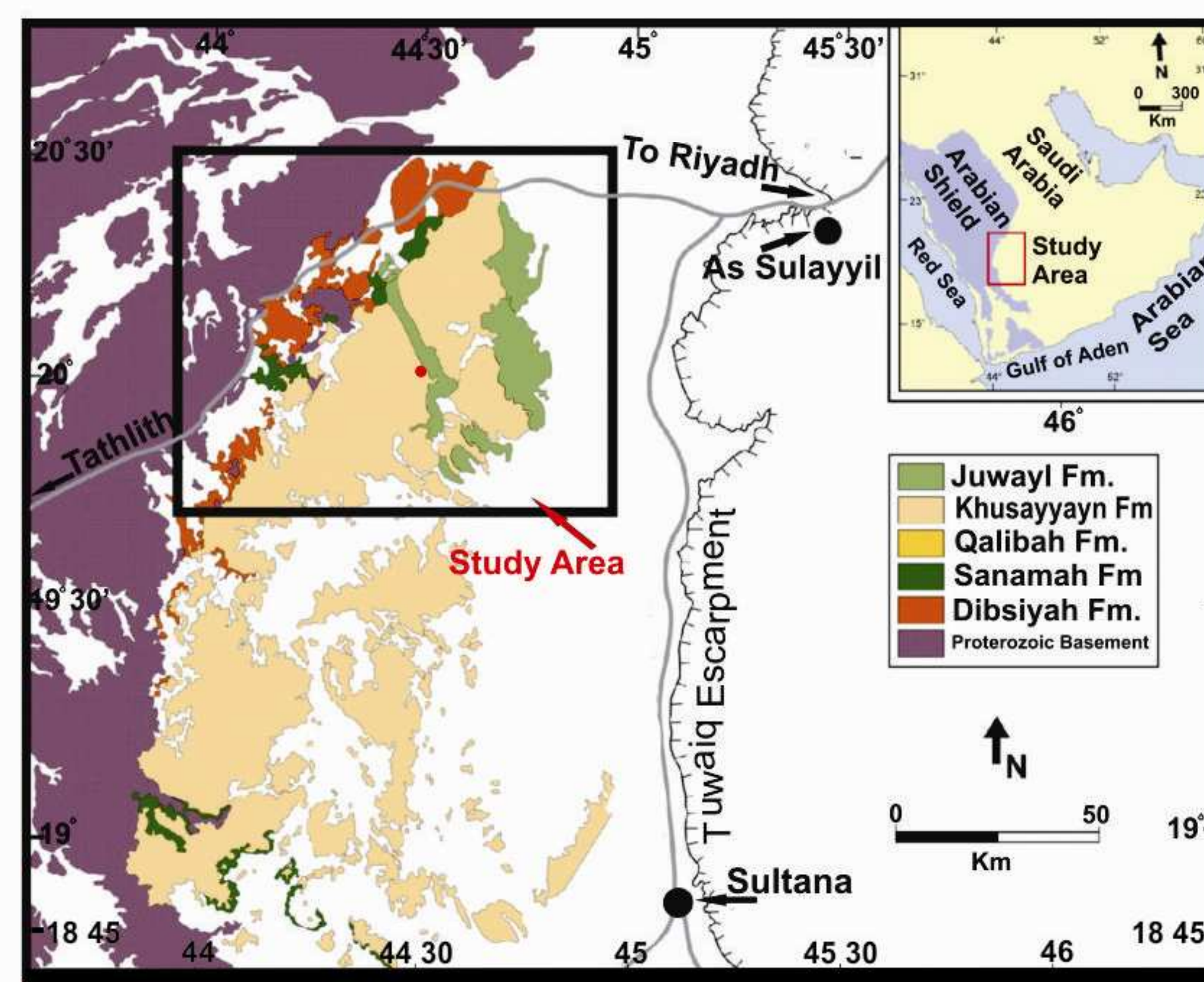




WKH-3, Jabal Duhaim, Khusayyayn Formation
Thickness: 22.15 m, (N 2010 8.96) (E 44 35 21.45)
(Scale: 30%) (Hussain Fahad Al-Ajmi 2012)

Sedimentology, Stratigraphy and Reservoir Quality of The Paleozoic Wajid Sandstone in the SW Saudi Arabia



Total Depth	Color	Litho Facies unit	Grain size						Lithology	Round Sorting	Sedimentary Structure
			C	S	VFS Fs	Ms Cs	Vcs FG	MG CG			
(18)	Y	11 1.75 m						very coarse, macro scale, tabular cross bedded sandstone		4	
(17)		10 0.24 m						medium, horizontally bedded, sandstone		4	
(16)		9						massive, medium grain, sandstone		4	
	Y	0.95 m							3		
(15)		9						gradational sandstone from fine gravel at the base of each set to Coarse grain sandstone, fine to medium scale tabular cross bed.		4	
	Y	8							3		
(14)		0.54m								4	
(13)		0.60m						Coarse grain sandstone, fine to medium scale tabular cross bed.		4	
	Y	8							3		
(12)		0.55m						gradational sandstone from fine gravel at the base of each set to Coarse grain sandstone, fine to medium scale tabular cross bed.		4	
	Y	4.6 m							3		
(11)		0.42m								4	
(10)		0.30m						gradational sandstone from fine gravel at the base of each set to Coarse grain sandstone, fine to medium scale tabular cross bed.		4	
		0.20m							3		
(9)		0.35m						gradational sandstone from fine gravel at the base of each set to Coarse grain sandstone, fine to medium scale tabular cross bed.		4	
		8							3		
(8)		0.35m						gradational sandstone from fine gravel at the base of each set to Coarse grain sandstone, fine to medium scale tabular cross bed.		4	
		0.35m							3		
(7)		0.75m						gradational sandstone from fine gravel at the base of each set to Coarse grain sandstone, fine to medium scale tabular cross bed.		4	
	Y	7							3		
		6						Massive medium, yellow to light brown, calcareous cement sandstone		4	
		0.35 m							5		
		5						Medium to coarse, fine to medium scale, 2D- trough cross bedding		4	
	Y	5 (1.23 m)							4		
		4						Medium to coarse, fine to medium scale, 2D- trough cross bedding		4	
		(0.20 m)							4		
	Y	5.97 m						coarse to very coarse sandstone, partially slumping, macro scale 2D- trough cross bedding		4	
	Y								4		
		3						coarse to very coarse sandstone, partially slumping, macro scale 2D- trough cross bedding		4	
	Y								4		
		5.97 m						coarse to very coarse sandstone, partially slumping, macro scale 2D- trough cross bedding		4	
	Y	3							4		
	Y							coarse to very coarse sandstone, partially slumping, macro scale 2D- trough cross bedding		4	
		3							4		
		5.97 m						coarse to very coarse sandstone, partially slumping, macro scale 2D- trough cross bedding		4	
	Y	3							4		
	Y							coarse to very coarse sandstone, partially slumping, macro scale 2D- trough cross bedding		4	
		3							4		
		2						coarse to very coarse sandstone horizontal to low angle bedding		4	
		0.6 m							4		
		1						coarse to very coarse sandstone horizontal to low angle bedding			
	✓	0.4 m									

LU-7 sandstone, horizontal to low cross angle bedding

[illegible]

LU-8.1 fine and medium sandstone