2001134

Data Repository

Bullen et al.

		FT/Sand/PMAG Samples	Formation	Paleocurrent	Predominant Sedimentary Features	Depositional Setting
	200	212-1 017 016			*fine to medium-grained poorly-sorted sandstone-	Playa margin
Stratigraphic Thickness (m)	4 4 4	015 014	Dzhel'dysu		no seementary reactions	
	4 150 4	012				
	4	009 008			*soft, multicolored mudstone with abundant gyspum-rich layers 2 m> *0.5 m gypsiferous bed	
	4 100 4 4	007			*a general decrease in gypsum up-section- increase in mudstones	
	4 4 4	006				
	50 4	005 004			*massive, pink-red gypsiferous mudstone	
	4 4 4	003	mudstone       siltstone       sandstone       pebble lag       nodular siltst.       sheet sand       ygysum       rt       paleosol       calcrete		<ul> <li>*grey-green gypsiferous mudstone, platy</li> <li>*1.5 m gypsiferous with weathered top</li> <li>*0.2 m gypsiferous bed</li> <li>*pink-red gypsiferous mudstone</li> </ul>	Playa
	15	001	nodule	J	l	I





		Paleocurrent						
	900		F1/Sand/PMAG Samples	Formation		Predominant Sedimentary Features	Setting	
			₩ 97MBS-3 060			*predominant conglomerate beds with highly scoured bases and well rounded clasts		
	-		059 058 D,E,F					
	850		058 A,B,C			* alternating red/brown mud with thin beds of medium- to fine-grained sandstone, and grey, resistant paleosol horizons		
Stratigraphic Thickness (m)	800		057 056				Longitudinally	
			055	Lower Chu		*5 m thick, coarse pebbly conglomerate with rounded clasts <10 cm in diameter	drained, multi- channel, mixed- load braided river system	
	750		054 ★ 97MBS-10			*Cycles of poorly-sorted medium- to fine-grained sandstone which grade up into coarse sand and pebbly conglomerate		
		<u>MM</u> ura array	053			*diamictite beds, 1-2 m thick. Poorly sorted, clasts are generally sub- rounded		
			052			*5-7 m sandstone packages are encapsulated by thick and homogeneous red/brown mudstone *sandstones contain sub- rounded clasts <8 cm in diameter		
	700	 2001	050			*mudstones are interlayered with thin white carbonate layers, which are hard, resistant and poorly sorted		
			049					
			048					







			FT/Sand/PMAG Samples	Formation	Paleocurrent	Predominant Sedimentary Features	Depositional Setting
	1800		116			*rare deposition of brown, siltstone and fine-grained sandstone	
(u		114			*an increase in coarse conglomerate with subrounded to rounded clasts. Conglomerate beds punctuate amalgamated sandstone beds (10-20 m).		
			112				
c Thickness (		1 111 1 110			*good channel scours *2 m deep river channel with coarse		
Stratigraphic			109	Upper Chu	N = 26	covered section	Alluvial Fan
			108			*prominent conglomerate bed (2 m) grades up into medium sandstone	
			105			*interbeds of laminated mudstone, coarse sandstone, and pebbly conglomerate. Some trough x-strata.	
			103				
		V	104			covered section	
			102				

		FT/Sand/PMAG Samples	Formation	Paleocurrent	Predominant Sedimentary Features	Depositional Setting
	2000		Sharpyldak	8 3 20-200	*Cliff-forming congloerate *predominently clast supported, amalgamated conglomerate beds up to 50 m thick without break. *good pebble imbrication	
	1950					
Stratigraphic Thickness (m)	1900	107 123 122 121 120 119	Upper Chu		*fine-grained, poorly sorted, matrix- supported massive red siltstone *Pebble stringers, small channel scours, and some pebble imbrication	Proximal Alluvial Fan
	1000	118		345	coarse-granned peoply sandstone punctuated by coarse, grey conglomerate, with well rounded pebbles.	
	1800	117 116				

