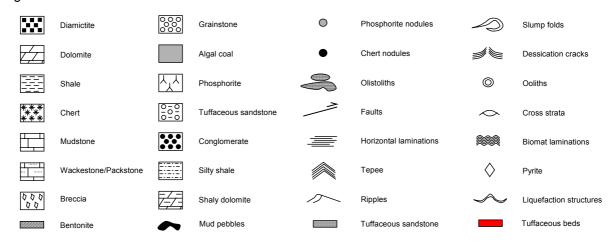
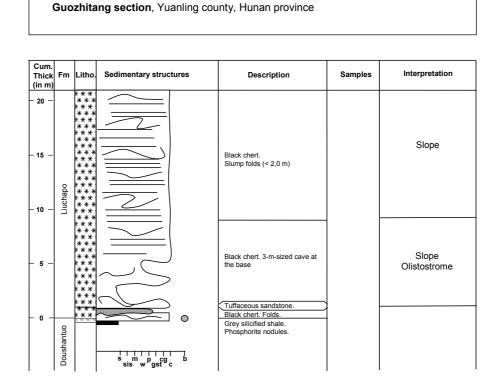
Appendix 4. Detailed stratigraphic columns

In the following pages, the stratigraphic columns are listed in alphabetical order.

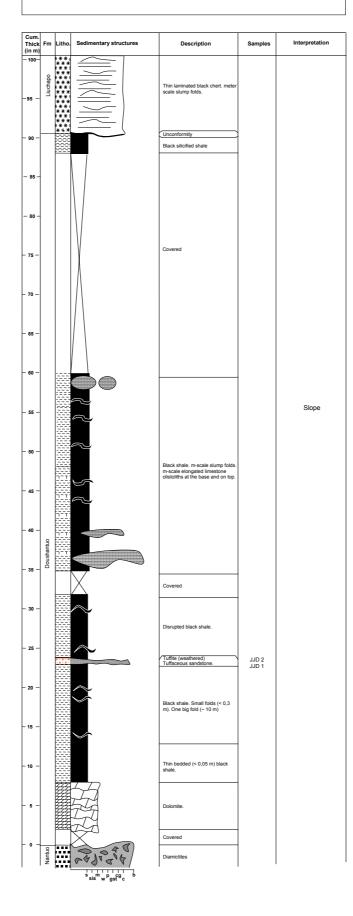
Legende:



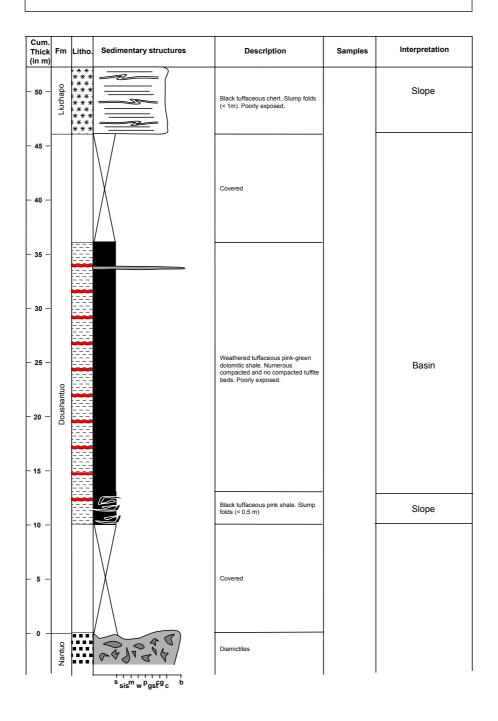
s: shale, sis: silty shale, m: mudstone, w: wackestone, p: packstone, gst: grainstone, cg: conglomerat, c: chert, b: breccia



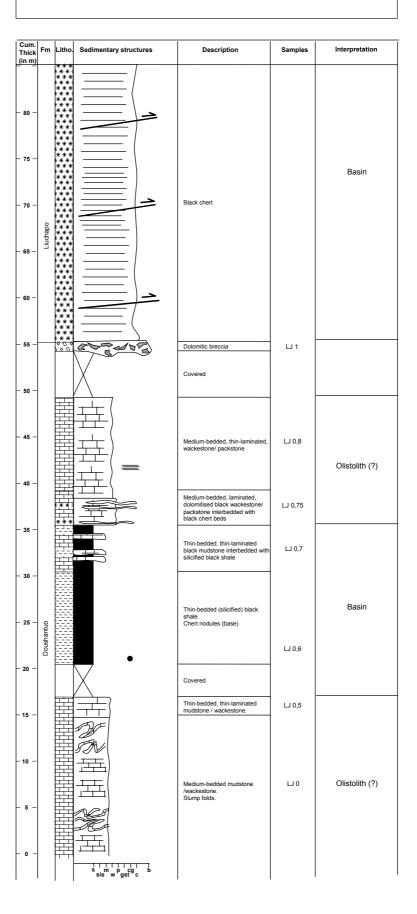
Jinjiadong section, Xupu county, Hunan province



Liuchapo section, Anhua county, Hunan province



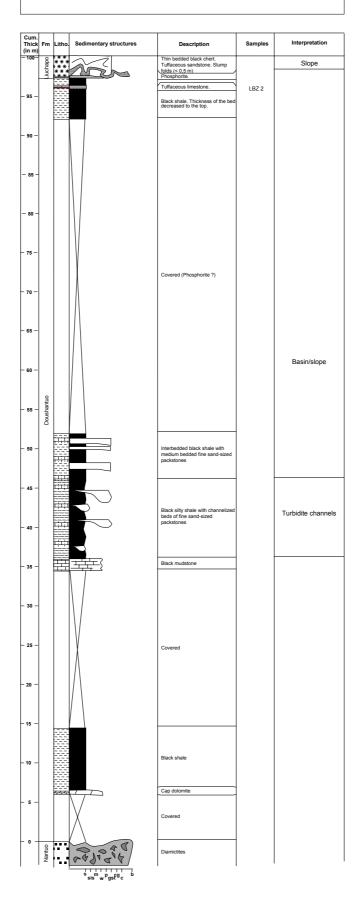




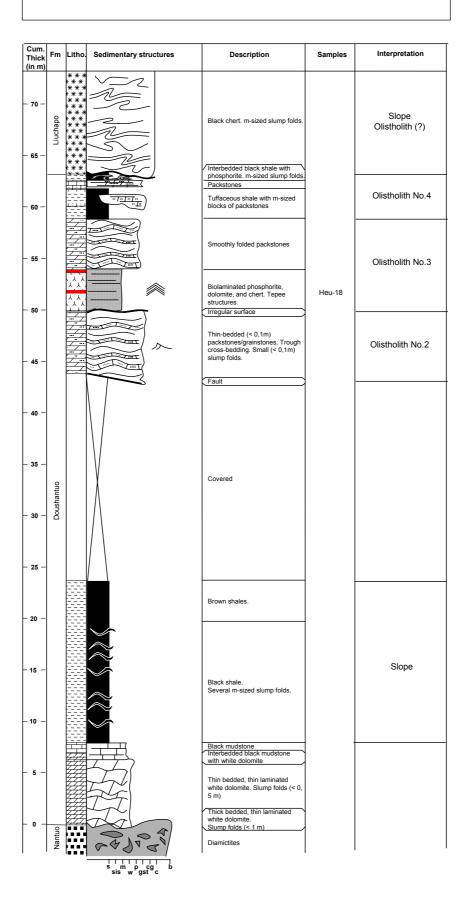
Liujiato section, Yuanling county, Hunan province

Cum. Thick (in m)	Fm	itho.	Sedimentary structures	Description	Samples	Interpretation
- 70 — - 65 —	* * * * * *	*** *** *** *** *** ***		Black chert. Limestone pebbles Slump folds. Meter scale caves	LCP 18	Olistostrome
- 65 -	*) *) *)	* * * * * * * * * * * * * * * * * * * *		Black chert		
- 60 —	*****	* ** * * * * * * * * * * * * * * *		Thin laminated, tuffaceous black chert. Slump folds (<1,0 m).		Slope
55 —	hap *	* * * * * * * *		Fine-upward-graded tuffaceous sandstone. Conglomerate at the	LCP 2,5 LCP 0	
		** ***		base. Black chert.		
- 50 -		***	\times	Covered		
) *	* * * * * * *		Black chert		
- 45 —				Covered		
- 40 —		> 0 0 > 0 0 > 0 0	() J O T O T O	Tectonic breccia		
- 35 - 30 - 25				Covered		
20 —	Doushantuo			Thin bedded, laminated tuffaceous shale		
- 15 —						
- 10 —			V	Covered		
- 5 —						
- 0	Nantuo		491 4 A	Diamictites		

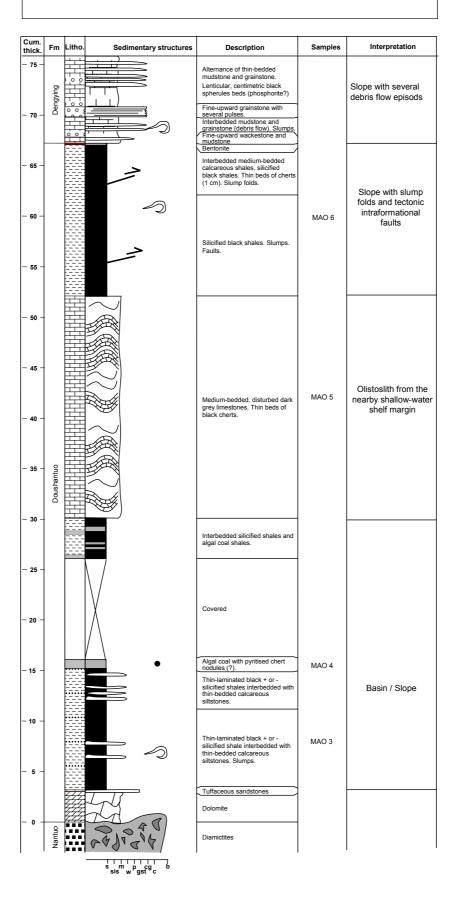
Longbizui section, Guizhang county, Hunan province

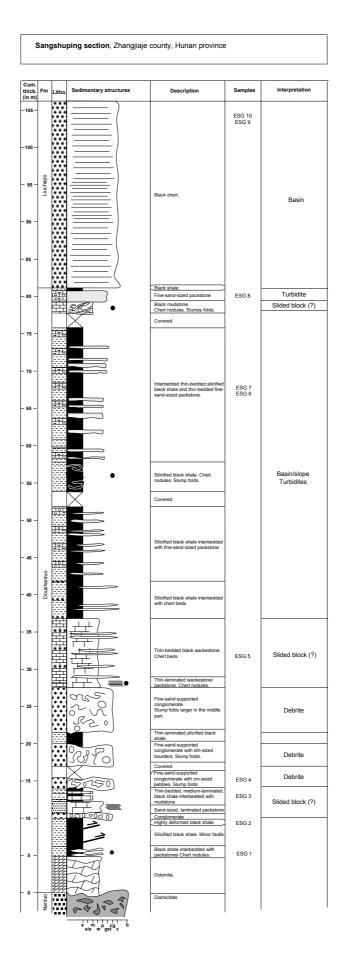


Luoyixi section, Luoyixi city, Hunan province

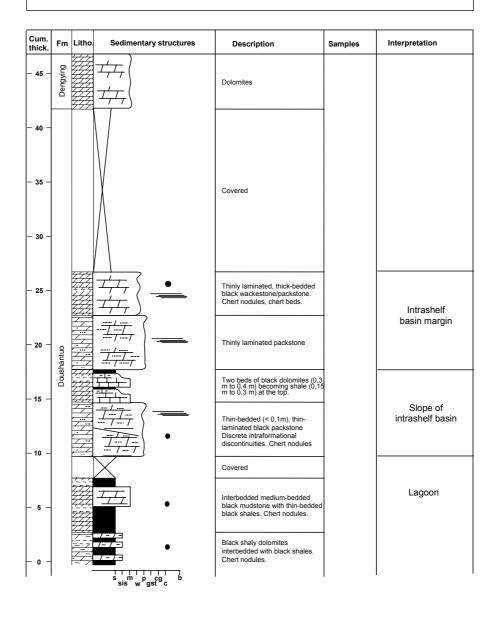


Maoping section, Zigui county, Hubei province



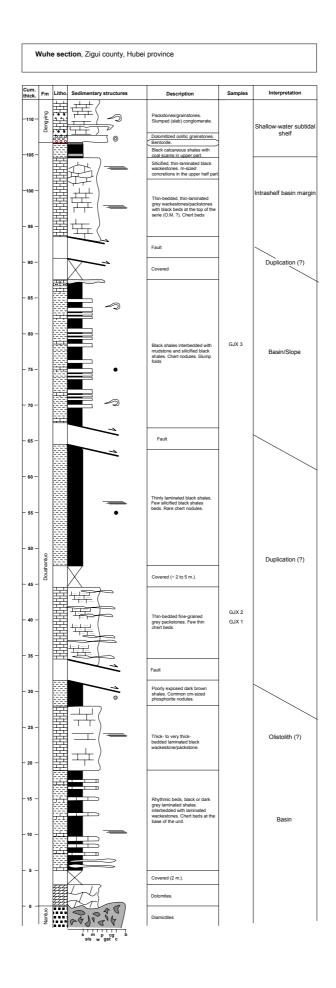


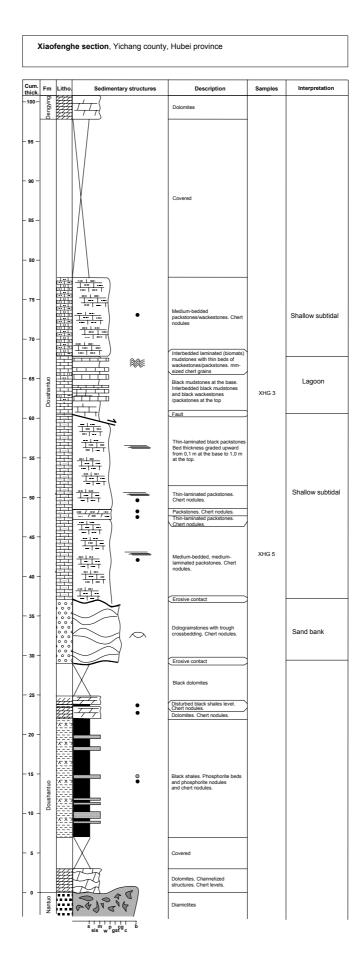
Neo-Tianjiayuanzi section, Yichang county, Hubei province



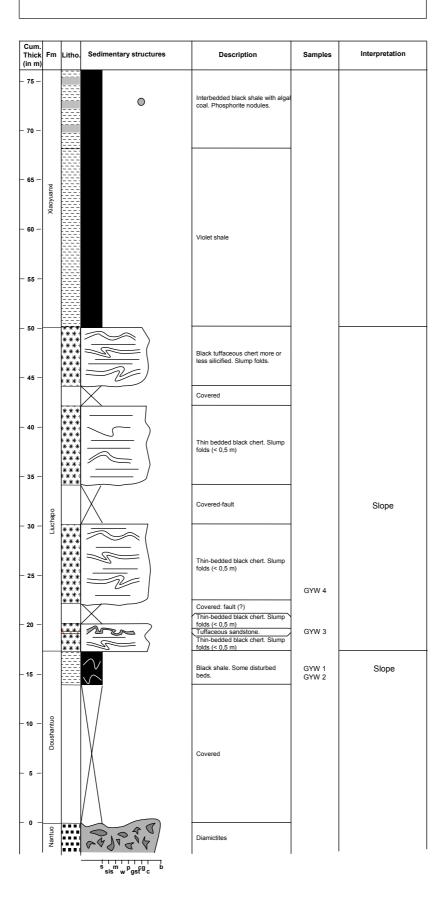
Wuhe section, Taijiang county, Guizhou province

Cum. Thick (in m)	Fm	Litho.	Sedimentary structures	Description	Samples	Interpretation
75 —	Liuchapo	*** *** *** *** ***		Thin-bedded black cherts		Basin/slope
70		777		Bentonite	_	
70 — 65 —				Medium- to thick-bedded black (bio?)-Jaminated dolomitized wackestone/mudstone. Chert nodules. Dessication cracks. Irregular surface on top	W 6	Olistolith
60 —				Interbedded black shales, carbonaceous fine sand-sized	-	
				packstones and mudstones. More shales on the top. Black shales		
55 —				Thick-bedded, packstones		
	Doushantuo			Nodular, medium-bedded, thin-laminated silicified shales Very thinly laminated,	W 5	
	Ishai	╞╧┇╤┥		Very thinly laminated, thick-bedded, light grey packstone		
50 -	Dou		Δ	Covered Medium-bedded black shales		
45 —			\times	Covered		
- 40 —				Thin-bedded, thin-laminated black shales. Weathered. Ball debit.		Basin/slope
40 -				Silty black shales	W 3	
			\times	Covered		
- 35 —				Normal-graded fine sand-sized packstones interbedded with black shale	W 4 W 2	
- 30			•	Medium-bedded, thin-laminated black shales. Chert nodules.	W 1	
				Covered		
25 —				Thin-bedded, deformed black shales		
20 -						
15 —						
10 —				Thin-bedded, thin-laminated black shales		
5 —						
0 -				Grupped		
	I		s m pgfg b	Covered	1	





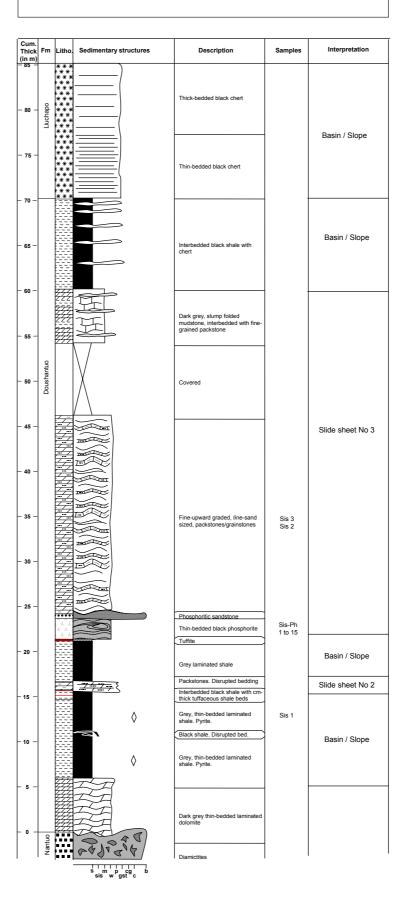
Xiaoyuanxi section, Anhua county, Hunan province



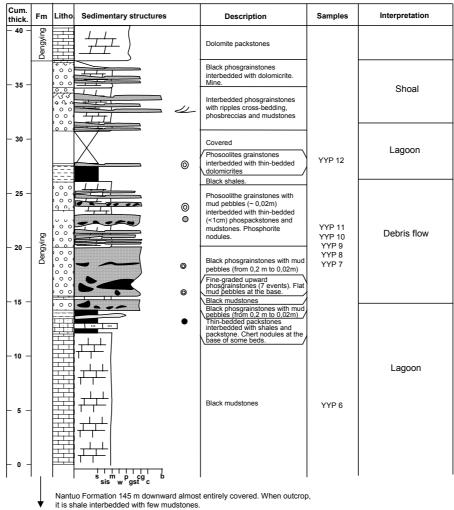
Xikou section, Jiangkou county, Guizhou province

Cum. Thick (in m)			Sedimentary structures	Description	Samples	Interpretation
	iuchapoo	* * * * * * * * * * * * * * *		Black cherts		Basin
- 25 -	L.	× * * 1 * * * * 	0000 000 0000 0000 0000 0000 0000 0000 0000	Micrite-supported breccias with cm-sized chert clasts.	XIK 6	Basin/slope
				Purple shales. Algae. Interbedded (fine) sand-sized	XIK 5	
				packstones and mudstones. Climbing ripples. Trough crossbedding	XIK 4	Olistolith
- 20 -				Erosive surface		Sliding surface
				Mudstones, shales interbedded with thin- to thick-bedded (fine) sand-sized packstones	XIK 3	Turbidite
	0			Grey silty shales		Basin/slope
- 15 -	Doushantuo			m-sized, lenticular beds of sand- sized packstone		Olistolith
	sno			Highly deformed shale surface		Sliding surface
- 10 -	D		-	Black shales		
			/ / / / / /	Interbedded black shales with thin- to medium-bedded fine sand-sized packstone. Thin beds of green tuffaceous (?) shales. Few medium-bedded packstones		Basin/slope
- 5 -		##		_ interbedded with shales		
			HA I	Thin-bedded, thinly laminated dolomites Large-bedded dolomites. Calcite-filled cavities. Slump		
- 0 -	Nantuo		491944	folds. Tuffaceous shales Diamictites		
			s m p cg b sis w gst c			

Xixi section, Louxi county, Hunan province



Yangjiaping section, Shimen county, Hunan province



Yanwutan section, Yuanling county, Hunan province

Cum. Thick	Fm	Litho.	Sedimentary structures	Description	Samples	Interpretation
(in m)		* * *		Tuffaceous sandstone		
- 65 -		* * *				
		* * * * * * * * *				
	od	***	-20-			
	Liuchapo	* * *		Slump folded black chert. m-sized		Olistastroma
- 60 -	Ē	* * *		dolomite blocks.		Olistostrome
		* * * * * * * * *				
		* * *	2			
- 55 -		***		Tuffaceous sandstone Black shale		
		••••		Matrix-supported conglomerate		
		•••	COLLEY			
- 50 -		É7				
				This headed also see list		
				Thin-bedded, plan-parallel laminated wackestone /		
- 45 -		E,	/ / / (packstone. Disorganized beds.		
		E				
		··· Z				
		000	/			
- 40 -		000				
		000				Slide sheet No 3
- 35 -		000				
				Medium-bedded dolo-grainstone		
		000		with trough cross-bedding.		
	tuo	000		Smoothly folded.		
- 30 -	Doushantuo		\searrow)			
	Dou	000	\mathbf{k}		YWT 1	
		000				
- 25 -						
25				Black mudstone interbedded		
				with grainstone. Black shale		
		000		Grainstone with cross-stratas		
- 20 -		000				
				Interbedded black shale with silty black shale and thin levels of		
- 15 -		* * *		(phos-) packstone. Small intraformational folds.		
				Intraformational discrete discontinuities		
		* * *				Slope
						Siope
- 10 -		***		Black shale. Chert nodules and		
				chert levels at the top. Thickness of the chert levels upwarded to		
				the top.		
				Conglomerat with chert clasts		
- 5 -				Black shale. Chert nodules and chert levels at the top. Thickness		
		<u>7</u> 7		of the chert levels upwarded to the top. 2 Tuffites.		
			4-74	Delemite		
- 0 -	ō	777	A A A	Dolomite.		
	Nantuo		2412-16			
	z			Diamictites		l

Yunmaxi section, Anhua county, Hunan province

