MINERALOGY CLAY FRACTION OF 13 PELICAN-5 SAMPLES F6409 Pelican 5

Sample	2746.5m		2750m		2869m		2881m		3098.5m		3109m		3155.5m	
<2µm fract. %:	6		5		3		1		10		5		11	
Mineralogy:	K	D	Q	D	ML	D	ML	D	B	D	ML	D	B	D
	ML	A	K	SD	K	SD	M	A-SD	ML	A-SD	Q	SD	ML	A-SD
	Q	A	ML	A	M	A	K	A-SD	M	A	B	A	M	A
	M	A	M	A	Q	Tr-A	Q	Tr	Q	A	M	A	K	A
	Sm*	A	Sm+	A					K	A	K	Tr	Q	A
	B	Tr-A	B	Tr					Sm*	Tr-A	F?	Tr	C	Tr
	F'?	Tr	F'	Tr									F?	Tr

Sample	3159m		3194m		3198m		3442.5m		3447m		3617m	
<2µm fract. %:	10		11		11		11		13		2	
Mineralogy:	M	D	ML	CD	ML	D	ML	D	ML	D	M	D
	Q	SD	M	CD	B	A-SD	M	A-SD	K	SD	Q	SD
	K	A	Q	A	M	A	K	A-SD	M	A	K	A
	B	A	K	A	Q	A	Q	A	Q	A	ML	A
	ML	A	B	A	K	A	C	Tr	B	Tr-A	B	A
	C	Tr	C	Tr	C	Tr	F	Tr	C	Tr	F	Tr
	F?	Tr	F?	Tr	F?	Tr			F	Tr	C	F

In these instances it was not possible to tell whether the smectite was interstratified

Mineral Key

Barite
Chlorite
F Feldspar (plag., -albite)
F' K feldspar
Kaolinite
Mica/illite
. Randomly-interstratified mixed-layer smectite-illite with approx. equal proportions of the two layer types.
Quartz
s Smectite
Sm+ Smectite with appreciable interstratification of illite layers.

SEMIQUANTITATIVE ABBREVIATIONS:

D = Dominant. Used for the component apparently most abundant, regardless of its probable percentage level.

CD = Co-dominant. Used for two (or more) predominating components, both or all of which are judged to be present in roughly equal amounts.

SD = Sub-dominant. The next most abundant component(s) providing its percentage level is judged above about 20.

A = Accessory. Components judged to be present between the levels of roughly 5 and 20%.

Tr = Trace. Components judged to be below about 5%.