

APPENDIX V

**SUMMARY TABLE OF X-RAY DIFFRACTION
DATA FOR TERRIGENOUS CLAYS**

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TABLE 1
CLAY MINERALS IN STREAM SAMPLES

	KAOLINITE	ILLITE	ILLITE I/S MIXED LAYERS	HYDROMICA VERMICULITE & V MIXED LAYERS	SMECTITE
TACHALBADGA CK. (NMRS 1)	***	-	***	-	*
EMMAGEN CK. (NMRS 2)	**	**	-	***	-
MYALL CK. (NMRS 3)	**	**	-	***	-
OLIVER CK. (NMRS 4)	**	**	-	***	-
NOAH CK. (NMRS 5)	**	**	-	***	-
COOPER CK. (NMRS 6)	**	**	-	***	-
DAINTREE RIVER	***	-	***	-	*

TABLE 2
CLAY MINERALS IN NEARSHORE SURFACE SAMPLES

	KAOLINITE	ILLITE	SMECTITE, S/I MIXED LAYERS & LARGE D-SPACING MATERIAL
V26	***	**	**
V25	***	**	**
V23/3	**	**	***
V24	**	**	***
V22	**	**	***
V20	**	*	***
V21	**	**	***
V27	**	**	***
V28	**	**	***

Note : abundant ***
common **
rare *
absent -

TABLE 3
CLAY MINERALS IN V20

DEPTH (M)	KAOLINITE	ILLITE	SMECTITE S/I MIXED LAYERS	BEIDELLITE/ KAOLINITE MIXED LAYERS
0.00	**	*	***	-
0.95	**	*	***	-
1.49	***	**	**	-
Pre - Holocene surface				
1.62	***	***	-	*
1.79	**	***	-	*
(Mica/illite)				

TABLE 4
CLAY MINERALS IN V28

DEPTH (M)	KAOLINITE	ILLITE	SMECTITE S/I MIXED LAYERS	BEIDELLITE/ KAOLINITE MIXED LAYERS
0.00	**	**	***	-
0.47	**	*	***	-
0.63	**	*	***	-
0.82	**	**	***	-
Pre - Holocene surface				
1.03	***	*	-	***

Note : abundant ***
common **
rare *
absent -