

Section: EADD 213

Sheet 1. of 2

Date: 9/12/12

Location: Base

Top

Point



metres	Comments / Interpretation	Grainsize g v c m f v s clay	SEDIMENTARY STRUCTURES	SAMPLE/ PHOTO	Description / Notes
0					lateritic rubble, partly disaggregated zone of mottled red/white/orange clayey siltstone & vt-f clayey sst. Bedding indistinct.
5					Mottled vt-f, weathered clayey sst.
6.4					
10			pale orange to mid orange		
14			white/brown		White to pale brown, claystone to silty claystone. Minor Fe/Mn cemented coarsest in bed near base. Massive to very thin plat laminated.
18.6			Fe/Mn Fe/Mn orange		disaggregated clayey siltstone ± minor vt-f sst.
20			orange		Poorly preserved core. v Friable, vc-m qtz sst ± some larger grains poorly consolidated.
25			orange		Minor clayey interbeds poorly preserved in core
30			orange		mod to poorly sorted granules c-f qtz sst ± clayey matrix subangular to subangular (mostly rounded to sub-r)
34.7			purple/brown brown		bioturbated in places Micaceous, brown, silty, clayey vt-f sst to siltstone.
37.9					vt-f sst to silty vt-f sst. Pale-mid brown apparently massive
39.1					
40.1					
41.6			0.4m core loss Fe/Mn		orange, f-vt friable clayey ferruginous sst. Minor Mn.
43			orange/black		Poorly sorted granule & small pebble to cse sst ± Fe & Mn staining & cement. Irregular Mn cemented clasts. Minor massive siliceous mangite.
45			brown/yellow		Mostly mid yellow/brown, clayey siltstone to silty claystone ± thin vt-f sst intervals.
47.1			brown		
48.6			pale brown orange		Massive claystone to siltstone to basal vt-f sst.
50			core loss		48.6 = 10cm thick Fe & Mn cemented, poorly sorted c-f qtz sst. Orange/black

30.1

metres	Comments / Interpretation	Grainsize g v c m f v s clay	SEDIMENTARY STRUCTURES	SAMPLE/ PHOTO	Description / Notes
50	Samples		50.1	mid brown	sst becomes finer + less bioturbated? upwards → looks more massive
55			55.1 55.2 55.3 55.4 55.5 55.6 55.7 55.8 55.9 56.0	mottled orange brown to white Fe ox Orange yellow	Mottled orange - white clayey stringers. Disturbed, thin bedded to wavy, thinly bedded, m-f sst. Mod sorted, rounded, orange friable, ferruginous sst, poorly sorted, c-fm, clayey matrix. as basal lag.
60	x		58	dk green	Dk green/grey siltstae ± rare fine & coarse interbeds.
65			66 66.9 67.5 68.1 68.7	mid green	mostly siltst mostly sand, f-vf
70			69.5 70.1 70.7 71.3 71.9	71.1	Fm gtz sst ± clay matrix some bioturbation. Horizontal & vertical burrows (clay lined) within some of the sandier beds.
75			75.6 76.2 76.8 77.4 78.0	Kahki	Slightly wavy interbedded green micaceous siltstae to vf sst ± 1-3cm thick interbed of f-fm gtz sst. minor glauconite
80			78.6 79.2 79.8 80.4 81.0 81.6 82.2 82.8 83.4	75.6 Kahki 77.85	Rare 2cm wide flat pebble gtzase siltstae within friable
85	non conformity		83.65	Kahki	well preserved (replaced) bivalves (articulated), 1.5cm diameter @ 78.2m
85.9	basement EoH 85.9	x x x x x x x x x			Clayey siltstae dominant - mm to 2-cm thick sst interbeds & blebs + sst stringers. V rare black wisps ⇒ possible organic matter/coal. Kahki/mid green, micaceous siltstae to vf sst
					← sharp contact Mottled grey-white, weathered micaceous granite