Mariana Islands
TT192
Sample Descriptions
Dredges 1-28

#8A

Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D3	S.W. Guyuan Ridge										
D3-1	x										Strataform
D3-2											Strataform
D3-3	x	x		x	x	x	x	x			Strataform, layered
D3-4											Strataform, layered
D3-5	x										Strataform, layered
D3-6											Strataform, layered
D3-7											Strataform, layered
D3-8											Strataform, layered
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D8	Poyo Ridge										
D8-1	x			x		x					Mn Sandstone
D8-2								x		x	Mn Sandstone
D8-3											Mn Sandstone
D8-4											Mn Sandstone
D8-5	x							x		x	Mn Sandstone
D8-6											Mn Sandstone
D8-7											Mn Sandstone
D8-8	x										Mn Sandstone
D8-9											Mn Sandstone
D8-10											Mn Sandstone
D8-11											Mn Sandstone
D8-12	x					x		x			Mn Sandstone
D8-13											Mn Sandstone
D8-14											Mn Sandstone
D8-15											Mn Sandstone
D8-16											Mn Sandstone
D8-17											Mn Sandstone
D8-18											Mn Sandstone
D8-19											Mn Sandstone
D8-20	x			x		x	x	x			Crust
D8-21											Mn Sandstone
D8-22											Mn Sandstone
D8-23								x			Mn Sandstone
D8-24											Mn Sandstone
D8-25											Mn Sandstone
D8-26											Mn Sandstone
D8-27											Mn Sandstone
D8-28								x			Mn Sandstone
D8-29											Mn Sandstone
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D11	Cheref Seamount										
D11-1	x							x			Mn Sandstone
D11-2											Mn Sandstone
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D13	Supply Reef										
D13-1	x										Mn Sandstone
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D15	Ahyi Seamount										
D15-1	x				x						Crust
D15-2											Mn Breccia

Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D20	N. W. Urcas Seamount										
D20-1	x					x		x			Strataform
D20-2											Strataform
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D28	Cross Chain Seamount										
D28-1	x				x						Strataform
D28-2								x			Crust
D28-3	x					x					Crust
D28-4	x			x			x	x			Strataform w/crust
D28-5											Strataform
D28-6	x						x	x			Crust
D28-7	x					x					Mn Breccia
D28-8											Crust
D28-9											Crust
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D31	Eifuuku Seamount										Mn sandstone
D31-1	x										
D31-2											
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D33	Kasuga Seamount										
D33-2-1	x								x		Mn Breccia
D33-2-2	x										Mn Breccia
D33-2-3	x					x		X	x		Mn Breccia
D33-2-4											Mn Breccia
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D40	Syoyo Seamount										
D40-1											Mn Breccia
D40-2											Mn Breccia
D40-3	x										Mn Breccia
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D41	N.W. Soyo Ridge										
D41-1											Mn conglomerate
D41-2A									x		Mn Breccia & strataform
D41-2B	x	x	x	x		x					Strataform & Mn Sstn
D41-2C											Strataform
D41-3A									x		Mn Breccia
D41-3B											
D41-3C											
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D44	Sm. Seamount NW of Syoyo Ridge Ichiyo										
D44-1	x	x	x	x							Strataform
D44-2											Basalt
D44-3	x										Mn Breccia
D44-4									x		Pumice
D44-5											Mn Breccia
D44-6											Basalt
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D47	N. Hiyoshi Seamount						Ko-Hiyoshi				
D47-1									x		Mn Breccia
D47-2	x										Mn Breccia
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D51	East Flank Central Hiyoshi Knoll										

Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D51-1	x	x	x	x							Strataform
D51-2											Mn Sandstone
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
Central Hiyoshi Knoll											
D52-1					x						Strataform
D52-2											Strataform
D52-3											Strataform
D52-4	x					x					Strataform
D52-5	x	x	x					x			Strataform
D52-6											Strataform
D52-7										x	Strataform
D52-8											Strataform
D52-9	x										Strataform
D52-10	x								x		Strataform
D52-11	x										Strataform
D52											Mn cementing altered ?
D52-13					x						
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D54	N. Hiyoshi Seamount										
D54-1											Basalt w/Mn Sstn
D54-2	x										Mn sandstone
D54-3											Mn sandstone
D54-4					x						Mn Breccia
D54-5											Mn Breccia
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D55	Fukutoku Seamount										
D55-1											Mn sandstone w/ dense Mn
D55-2											Mn sandstone
D55-3	x	x	x	x							Mn sandstone
D55-4	x					x					Mn sandstone
D55-6											Mn sandstone
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D56	Fukutoku Seamount										
D56-1	x				x					x	Crust
D56-2	x									x	Mn sandstone
D56-3											Mn Breccia
D56-4	x										Crust & strataform
D56-5											Mn sandstone
D56-6											Thin crust
D56-7											Mn sandstone
D56-8											Crust & Strataform
D56-9											Mn sstn & strataform
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D57	S.E. Fukutoku Seamount										
D57-1									x		Mn sandstone
D57-2	x								x		Mn Breccia
D57-3											Mn Breccia
D57-4	x										Mn sandstone
D57-5											Mn Breccia
Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D73	Kita-Io Jima										
D73-1A	x							x			Mn sandstone
D73-1B											Mn sandstone

Sample #	CC	Pt	Au	REE	Sub	Hg	O 2	DPTS	XRD	Paleo	Manganese Type
D73-1C								x	x	x	Mn sandstone
D73-1D	x							x	x		Mn sandstone
D73-1F	x	x	x	x		x					Mn sandstone
D73-1H											Strataform
D73-2	x					x					Crust