APPENDIX M VIBRACORE LABORATORY SAMPLING PARAMETERS

Core number	sample depth	type of sample	Sandy bagged samples	Core tube	Core tube	Core tubes cohesive (silts and Clays)						bagged silts and clays			
		core tube or bagged sample	Sieve and specific gravity	Sandy- density and specific gravity	thermal resistivity if cohesive sediment	density	atterberg	vane shear	specific gravity	UU D2850	Ash and Organic Content	Hydrometer	Atterburg	Specific gravity (and density, if possible)	ash and organic matter
A-1	1-1'6"	bagged sample										X	X	X	X
A-1	1-1'6"	bagged sample										X	X	X	X
A-1 - Dup	0-1'	core tube				X	X	X	X	X	X				
A-1 - Dup	1'5"-2'5"	core tube				X	X	X	X	X	X				
A-1 - Dup	2'6"-3'5"	core tube				X	X	X	X	X	X				
A-1 - Dup	3'6"-5'	core tube		X											
A-1 - Dup	7'-8'	core tube		X											
A-1 - Dup	9'4"-10'4"	core tube		X	**X**										
A-2	2'	bagged sample	X												
A-2	5'-6'	bagged sample	X												
A-2	8'	bagged sample	X												
A-2	9'	bagged sample	X												
A-2 - Dup	3'-4'	core tube		X											
A-2 - Dup	4'-5'	core tube		X											
A-2 - Dup	5'1"-6'1"	core tube		X											
A-2 - Dup	9'1"-9'11"	core tube		X	**X**										
A-2 - Dup	9'11"-10'11"	core tube		X											
A-3	0-1'2"	bagged sample	X												
A-3	1'2"-2'6"	bagged sample	X												
A-3	2'6"-9'4"	bagged sample	X												
A-3 - Dup	1'-2'	core tube		X											
A-3 - Dup	4'1"-5'1"	core tube		X											
A-3 - Dup	6'-7'	core tube		X											
A-3 - Dup	9'-10'	core tube		X	**X**										
A-4	0-6"	bagged sample	X												
A-4	6"-2'	bagged sample										X	X	X	X
A-4	2'-3'6"	core tube				X	X	X	X	X	X				
A-4	3'6"-4'6"	bagged sample										X	X	X	X
A-4	4'6"-6'	bagged sample										X	X	X	X
A-4	6'5"-8'	core tube		X	**X**										
A-4	8'-9'	bagged sample	X												
A-4	9'-10'	core tube		X	**X**										
A-5	0-1'5"	bagged sample	X												
A-5	1'5"-2'	bagged sample	X												
A-5	2'-4'	bagged sample	X												
A-5	4'-5'	core tube		X											
A-5	5'-6'	core tube				X	X	X	X	X	X				
A-5	6'3"-8'	bagged sample	X												
A-5	8'-10'	bagged sample	X												
A-6	0-2'	bagged sample	X												
A-6	2'-3'5"	bagged sample	X												
A-6	3'5"-4'5"	core tube		X											
A-6	4'5"-5'5"	bagged sample	X												
A-6	5'5"-7	bagged sample	X												

Core number	sample depth	type of sample	Sandy bagged samples	Core tube	Core tube	Core tubes cohesive (silts and Clays)						bagged silts and clays			
		core tube or bagged sample	Sieve and specific gravity	Sandy- density and specific gravity	thermal resistivity if cohesive sediment	density	atterberg	vane shear	specific gravity	UU D2850	Ash and Organic Content	Hydrometer	Atterburg	Specific gravity (and density, if possible)	ash and organic matter
A-6	7'-9'	bagged sample	X												
A-6	9'-10'	core tube		X	**X**										
A-7	0-2'	bagged sample	X												
A-7	2'-4'	bagged sample	X												
A-7	4'-6'	bagged sample	X												
A-7	6'-8'6"	bagged sample	X												
A-7	8'6"-10'	bagged sample	X												
A-7	10'-11'	bagged sample	X												
A-7	11'-12'2"	bagged sample	X												
A-7	12'2"-13'3"	bagged sample	X												
A-7	13'3"-14'3"	bagged sample	X												
A-7	14'3"-15'	bagged sample	X												
A-7	15'-15'3"	bagged sample	X												
A-8	0-3'	bagged sample	X												
A-8	3'-5'5"	bagged sample	X												
A-8	5'5"-8'3"	bagged sample	X												
A-8	8'3"-10'	bagged sample	X												
A-8	10'-13'3"	bagged sample	X												
A-8	13'3"-14'3"	bagged sample	X												
A-8	14'3"-15'6"	bagged sample	X												
A-9	0-3'5"	bagged sample	X												
A-9	3'5"-5'5"	bagged sample	X												
A-9	5'5"-9'	bagged sample	X												
A-9	9'-12'5"	bagged sample	X												
A-9	12'5"-15'5"	bagged sample	X												
A-10	0-9"	bagged sample	X												
A-10	9"-2'1"	bagged sample										X	X	X	X
A-10	2'1"-5'	bagged sample	X												
A-10	5'-8'	bagged sample	X												
A-10	8'-9'6"	bagged sample	X												
A-10	9'6"-13'	bagged sample	X												
A-10	13'-15'	bagged sample	X												
A-11	0-2'	bagged sample	X												
A-11	2'-3'	core tube		X											
A-11	3'-4'	bagged sample	X												
A-11	4'-5'	bagged sample										X	X	X	X
A-11	4'-5'	bagged sample										X	X	X	X
A-11	5'-6'	bagged sample	X												
A-11	6'-8'	bagged sample	X												
A-11	8'-9'	core tube		X	**X**										
A-11	9'-10'6"	bagged sample	X												
A-11	10'6"-12'	bagged sample	X												
A-11	12'-13'6"	bagged sample	X												
A-11	13'6-14'6"	core tube		X	**X**										

Core number	sample depth	type of sample	Sandy bagged samples	Core tube	Core tube	Core tubes cohesive (silts and Clays)						bagged silts and clays			
		core tube or bagged sample	Sieve and specific gravity	Sandy- density and specific gravity	thermal resistivity if cohesive sediment	density	atterberg	vane shear	specific gravity	UU D2850	Ash and Organic Content	Hydrometer	Atterburg	Specific gravity (and density, if possible)	ash and organic matter
A-11	13'6-15'4"	bagged sample	X												
A-12	0-1'	bagged sample	X												
A-12	1'-2'	bagged sample	X												
A-12	2'-3'	core tube				X	X	X	X	X	X				
A-12	3'-3'6"	bagged sample	X												
A-12	3'6"-5'	bagged sample	X												
A-12	5'-6'	bagged sample	X												
A-12	6'-7'	core tube		X											
A-12	7'-8'	bagged sample	X												
A-12	8'-9'	bagged sample	X												
A-12	9'-10'	core tube		X	**X**										
A-12	10'"-11'2"	bagged sample	X												
A-12	11'2"-12'1"	bagged sample	X												
A-12	12'1"-12'3"	bagged sample	X												
A-12	12'3"-13'3"	bagged sample	X												
A-12	13'3"-13'3"	bagged sample										X	X	X	X
A-12	13'3"-14'3"	bagged sample										X	X	X	X
A-13	0-1'8"	bagged sample	X												
A-13	1'8"-3'6"	bagged sample	X												
A-13	3'6"-8'	bagged sample	X												
A-13	8'-11'	bagged sample	X												
A-13	11'-14'	bagged sample	X												
A-15	2'	bagged sample										X	X	X	X
A-15	3'	bagged sample	X												
A-15	6'	bagged sample	X												
A-15	10'8"	bagged sample	X												
A-15	13'	bagged sample	X												
A-15	10'8"	bagged sample										X	X	X	X
A-15	14'	bagged sample	X												
A-15 - Dup	1'-2'	core tube				X	X	X	X	X	X				
A-15 - Dup	4'-5'	core tube				X	X	X	X	X	X				
A-15 - Dup	7'-8'	core tube		X											
A-15 - Dup	9'-10'	core tube		X	**X**										
A-15 - Dup	10'"-11'	core tube		X											
A-15 - Dup	11'-12'	core tube		X											
A-15 - Dup	13'-14'	core tube		X											
A-17	1'	bagged sample										X	X	X	X
A-17	3'	bagged sample										X	X	X	X
A-17	5'	bagged sample										X	X	X	X
A-17	6'6"	bagged sample	X												
A-17	11'	bagged sample	X												
A-17	12'	bagged sample	X												
A-17	12'6"	bagged sample	X												
A-17	14'	bagged sample	X												

Core number	sample depth	type of sample	Sandy bagged samples	Core tube	Core tube	Core tubes cohesive (silts and Clays)						bagged silts and clays			
		core tube or bagged sample	Sieve and specific gravity	Sandy- density and specific gravity	thermal resistivity if cohesive sediment	density	atterberg	vane shear	specific gravity	UU D2850	Ash and Organic Content	Hydrometer	Atterburg	Specific gravity (and density, if possible)	ash and organic matter
A-17	15'	bagged sample	X												
A-17 - Dup	1'-2'	core tube				X	X	X	X	X	X				
A-17 - Dup	3'-4'	core tube				X	X	X	X	X	X				
A-17 - Dup	9'-10'	core tube		X	**X**										
A-18	0-5"	bagged sample	X												
A-18	5"-8"	bagged sample										X	X	X	X
A-18	8"-3'6"	bagged sample	X												
A-18	3'6"-4'6"	bagged sample	X												
A-18	4'6"-8'10"	bagged sample	X												
A-18	8'10"-11'6"	bagged sample	X												
A-18	11'6"-14'	bagged sample	X												
A-18	14'-15'3"	bagged sample	X												
A-20	0-2'2"	bagged sample	X												
A-20	2'2"-9'6"	bagged sample	X												
A-20	9'6"-10'1"	bagged sample	X												
A-20	10'1"-15'1"	bagged sample	X												
A-21	0-1'1"	bagged sample	X												
A-21	1'1"-2'	bagged sample	X												
A-21	2'-3'	core tube		X											
A-21	3'-3'8"	bagged sample	X												
A-21	3'8"-4'10"	bagged sample	X												
A-21	4'10'-6'	bagged sample	X												
A-21	6'-7'	core tube		X											
A-21	7'-8'4"	bagged sample	X												
A-21	8'4"-9'4"	core tube		X	**X**										
A-21	9'4"-10'4"	bagged sample	X												
A-21	10'4"-11'4"	bagged sample	X												
A-21	11'4"-12'4"	bagged sample	X												
A-21	12'4"-13'4"	bagged sample	X												
A-21	13'4"-14'4"	bagged sample	X												
A-21	14'4"-15'4"	bagged sample	X												
A-22	1'	bagged sample	X												
A-22	3'	bagged sample	X												
A-22	4'	bagged sample	X												
A-22	7'	bagged sample										X	X	X	X
A-22	8'	bagged sample										X	X	X	X
A-22	9'	bagged sample										X	X	X	X
A-22	10'	bagged sample										X	X	X	X
A-22	11'	bagged sample										X	X	X	X
A-22	13'	bagged sample										X	X	X	X
A-22	15'	bagged sample										X	X	X	X
A-22 - Dup	1'-2'	core tube		X											
A-22 - Dup	4'-5'	core tube		X											
A-22 - Dup	7'6"-8'6"	core tube				X	X	X	X	X	X				

Core number	sample depth	type of sample	Sandy bagged samples	Core tube	Core tube	Core tubes cohesive (silts and Clays)						bagged silts and clays			
		core tube or bagged sample	Sieve and specific gravity	Sandy- density and specific gravity	thermal resistivity if cohesive sediment	density	atterberg	vane shear	specific gravity	UU D2850	Ash and Organic Content	Hydrometer	Atterburg	Specific gravity (and density, if possible)	ash and organic matter
A-22 - Dup	8'6"-9'6"	core tube			**X**	X	X	X	X	X	X				
A-24	6"-8"	bagged sample	X												
A-24	2'1"	bagged sample	X												
A-24	3'	bagged sample										X	X	X	X
A-24	5'11"	bagged sample										X	X	X	X
A-24	7'6"	bagged sample										X	X	X	X
A-24	9'11"	bagged sample										X	X	X	X
A-24	11'7"	bagged sample										X	X	X	X
A-24	12'6"	bagged sample										X	X	X	X
A-24	13'5"	bagged sample										X	X	X	X
A-24	15'10"	bagged sample										X	X	X	X
A-24 - Dup	1'-2'	core tube				X	X	X	X	X	X				
A-24 - Dup	2'6"-3'6"	core tube				X	X	X	X	X	X				
A-24 - Dup	5'-6'	core tube				X	X	X	X	X	X				
A-24 - Dup	8'-9'	core tube				X	X	X	X	X	X				
A-24 - Dup	9'-10'	core tube			**X**	X	X	X	X	X	X				
A-24 - Dup	10'7"-11'6"	core tube				X	X	X	X	X	X				
A-24 - Dup	11'6"-12'6"	core tube				X	X	X	X	X	X				
A-24 - Dup	14'-15'	core tube				X	X	X	X	X	X				
P-01	1'	bagged sample	X												
P-01	2'6"	bagged sample	X												
P-01	3'6"	bagged sample	X												
P-01	5'	bagged sample	X												
P-01	6'6"	bagged sample	X												
P-01	8'	bagged sample										X	X	X	X
P-01	10'	bagged sample										X	X	X	X
P-01	11'6"	bagged sample										X	X	X	X
P-01	13'	bagged sample										X	X	X	X
P-01	14'6"	bagged sample	X												
P-01 - Dup	0-1'	core tube		X											
P-01 - Dup	1'-2'	core tube		X											
P-01 - Dup	2'-3'	core tube		X											
P-01 - Dup	4'-5'	core tube		X											
P-01 - Dup	5'6"-6'6"	core tube		X											
P-01 - Dup	7'-8'	core tube		X											
P-01 - Dup	8'-9'	core tube			**X**	X	X	X	X	X	X				
P-01 - Dup	9'-10'	core tube				X	X	X	X	X	X				
P-02	0-1'	bagged sample										X	X	X	X
P-02	0-1'	bagged sample										X	X	X	X
P-02	1'-2'	bagged sample										X	X	X	X
P-02	1'-2'	bagged sample										X	X	X	X
P-02	2'-3'	core tube				X	X	X	X	X	X				
P-02	3'-4'	bagged sample										X	X	X	X
P-02	3'-4'	bagged sample										X	X	X	X

Core number	sample depth	type of sample	Sandy bagged samples	Core tube	Core tube	Core tubes cohesive (silts and Clays)						bagged silts and clays			
		core tube or bagged sample	Sieve and specific gravity	Sandy- density and specific gravity	thermal resistivity if cohesive sediment	density	atterberg	vane shear	specific gravity	UU D2850	Ash and Organic Content	Hydrometer	Atterburg	Specific gravity (and density, if possible)	ash and organic matter
P-02	4'-5'	bagged sample	X												
P-02	5'-6'	core tube		X											
P-02	6'-7'	bagged sample	X												
P-02	7'-8'	bagged sample	X												
P-02	8'-8'6"	bagged sample	X												
P-02	8'6"-9'6"	core tube		X	**X**										
P-02	9'6"-10'6"	bagged sample	X												
P-02	10'6"-11'6"	bagged sample	X												
P-02	11'6"-12'6"	bagged sample	X												
P-02	12'6"-13'2"	bagged sample	X												
P-03	6"	bagged sample	X												
P-03	3'	bagged sample										X	X	X	X
P-03	4'	bagged sample										X	X	X	X
P-03	6'	bagged sample										X	X	X	X
P-03	8'	bagged sample										X	X	X	X
P-03	9'	bagged sample										X	X	X	X
P-03	10'	bagged sample										X	X	X	X
P-03	10'8"	bagged sample										X	X	X	X
P-03 - Dup	0-1'	core tube		X											
P-03 - Dup	2'6"-3'6"	core tube				X	X	X	X	X	X				
P-03 - Dup	3'6"-4'6"	core tube				X	X	X	X	X	X				
P-03 - Dup	6'-7'	core tube				X	X	X	X	X	X				
P-03 - Dup	8'-9'	core tube			**X**	X	X	X	X	X	X				
P-03 - Dup	9'-9'1"	core tube				X	X	X	X	X	X				
P-03 - Dup	10-10'10"	core tube				X	X	X	X	X	X				
P-03 - Dup	10'10"-11'6"	core tube				X	X	X	X	X	X				
P-04	6"	bagged sample										X	X	X	X
P-04	1'6"	bagged sample										X	X	X	X
P-04	3'	bagged sample										X	X	X	X
P-04	5'	bagged sample										X	X	X	X
P-04	7'	bagged sample										X	X	X	X
P-04	8'	bagged sample										X	X	X	X
P-04	9'	bagged sample										X	X	X	X
P-04	10'	bagged sample										X	X	X	X
P-04 - Dup	6"-1'6"	core tube				X	X	X	X	X	X				
P-04 - Dup	3'-4'	core tube				X	X	X	X	X	X				
P-04 - Dup	5'-6'	core tube				X	X	X	X	X	X				
P-04 - Dup	7'-8'	core tube				X	X	X	X	X	X				
P-04 - Dup	9'-10'	core tube			**X**	X	X	X	X	X	X				
P-04 - Dup	10'-11'	core tube				X	X	X	X	X	X				
P-04 - Dup	11'1"-12'1"	core tube				X	X	X	X	X	X				
P-05	0-1'	bagged sample										X	X	X	X
P-05	1'-2'	bagged sample										X	X	X	X
P-05	2'-3'	bagged sample										X	X	X	X

Core number	sample depth	type of sample	Sandy bagged samples	Core tube	Core tube	Core tubes cohesive (silts and Clays)						bagged silts and clays			
		core tube or bagged sample	Sieve and specific gravity	Sandy- density and specific gravity	thermal resistivity if cohesive sediment	density	atterberg	vane shear	specific gravity	UU D2850	Ash and Organic Content	Hydrometer	Atterburg	Specific gravity (and density, if possible)	ash and organic matter
P-05	2'-3'6"	core tube				X	X	X	X	X	X				
P-05	3'-4'	bagged sample										X	X	X	X
P-05	4'-5'	bagged sample										X	X	X	X
P-05	5'-6'	bagged sample										X	X	X	X
P-05	6'-7'	bagged sample										X	X	X	X
P-05	6'-7'6"	core tube				X	X	X	X	X	X				
P-05	7'-8'	bagged sample										X	X	X	X
P-05	8'-9'	bagged sample										X	X	X	X
P-05	9'-10'	bagged sample										X	X	X	X
P-05	10'-10'10'	bagged sample										X	X	X	X
P-05	10'10"-12'	bagged sample	X												
P-05	12'-13'6"	bagged sample	X												
P-05	13'-14'	core tube				X	X	X	X	X	X				
P-05	13'6"-15'2"	bagged sample	X												
P-06	0-1'1"	bagged sample	X												
P-06	1'1"-2'4"	bagged sample	X												
P-06	2'4"-4'6"	bagged sample	X												
P-06	4'6"-5'6"	bagged sample	X												
P-06	5'1"-6'	core tube		X											
P-06	5'6"-9'	bagged sample	X												
P-06	9'-10'6"	bagged sample	X												
P-06	10'6"-12'1"	bagged sample	X												
P-07	0-1'6"	bagged sample	X												
P-07	1'6"-3'	bagged sample	X												
P-07	3'-4'	core tube		X											
P-07	3'-4'6"	bagged sample	X												
P-07	4'6"-6'	bagged sample	X												
P-07	5'1"-6'	core tube		X											
P-07	6'-7'6"	bagged sample	X												
P-07	7'6"-9'	bagged sample	X												
P-07	9'-10'	core tube			**X**	X	X	X	X	X	X				
P-07	9'-10'6"	bagged sample										X	X	X	X
P-07	10'6"-12'	bagged sample										X	X	X	X
P-08	0-1'	bagged sample	X												
P-08	1'-2'	bagged sample	X												
P-08	2'-3'	core tube		X											
P-08	3'-4'	bagged sample	X												
P-08	4'-5'	bagged sample	X												
P-08	5'-6'	bagged sample	X												
P-08	6'-7'	core tube		X											
P-08	7'5"-8'3"	bagged sample	X												
P-08	8'-9'3"	core tube		X	**X**										
P-08	9'9"-11"	bagged sample	X												
P-08	11"-12"	bagged sample	X												

Core number	sample depth	type of sample	Sandy bagged samples	Core tube	Core tube	Core tubes cohesive (silts and Clays)						bagged silts and clays			
		core tube or bagged sample	Sieve and specific gravity	Sandy- density and specific gravity	thermal resistivity if cohesive sediment	density	atterberg	vane shear	specific gravity	UU D2850	Ash and Organic Content	Hydrometer	Atterburg	Specific gravity (and density, if possible)	ash and organic matter
P-08	12"-13'6"	bagged sample	X												
P-09	0-1'6"	bagged sample	X												
P-09	1'5"-3'	bagged sample	X												
P-09	2'-3'	core tube		X											
P-09	3'-4'5"	bagged sample	X												
P-09	4'5"-6'	bagged sample	X												
P-09	5'-6'	core tube		X											
P-09	6'-7'5"	bagged sample	X												
P-09	7'5"-8'5"	bagged sample	X												
P-09	8'5"-10'	core tube			**X**	X	X	X	X	X	X				
P-09	8'5"-10'	bagged sample										X	X	X	X
P-09	10'-11'	bagged sample										X	X	X	X
P-09	11"-12"	bagged sample										X	X	X	X
P-09	12'-13'	bagged sample										X	X	X	X
P-09	13'-14'	bagged sample										X	X	X	X
P-09	14'-15'	bagged sample										X	X	X	X
P-10	0-1'	bagged sample										X	X	X	X
P-10	1'-2'	bagged sample										X	X	X	X
P-10	2'-3'	core tube				X	X	X	X	X	X				
P-10	3'-3'6"	bagged sample										X	X	X	X
P-10	3'6"-4'6"	bagged sample	X												
P-10	4'6"-5'6"	bagged sample	X												
P-10	5'6"-6'	bagged sample	X												
P-10	6'-7'	core tube				X	X	X	X	X	X				
P-10	7'-8'3"	bagged sample										X	X	X	X
P-10	8'3"-9'	bagged sample										X	X	X	X
P-10	9'-10'	core tube			**X**	X	X	X	X	X	X				
P-10	10'-11'	bagged sample	X												
P-10	11"-12"	bagged sample	X												
P-10	12'9"-14"	bagged sample	X												
P-10	14"-15'15"	bagged sample										X	X	X	X

Core number	sample depth	type of sample	Sandy bagged samples	Core tube	Core tube	Core tubes cohesive (silts and Clays)						bagged silts and clays			
		core tube or bagged sample	Sieve and specific gravity	Sandy- density and specific gravity	thermal resistivity if cohesive sediment	density	atterberg	vane shear	specific gravity	UU D2850	Ash and Organic Content	Hydrometer	Atterburg	Specific gravity (and density, if possible)	ash and organic matter