

**MASTER APPENDIX B****TABLE 1.7: INVERTEBRATE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: CL = CARAPACE LENGTH, CW = CARAPACE WIDTH, X = SAMPLE TAKEN FOR ISOTOPE ANALYSIS**

Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
USGS-GM-2004-03	4754	DUMBO OCTOPUS	G270	BUCKET 5			
USGS-GM-2004-03	4751	ACESTA?	G148	BUCKET 12			
USGS-GM-2004-03	4745	ALPHEUS SHRIMP	G026	BUCKET 11			
USGS-GM-2004-03	4749	ALPHEUS SHRIMP	G113	SUB, BUCKET 5			
USGS-GM-2004-03	4744	ANENOME (WHITE)	G012	BUCKET 5			
USGS-GM-2004-03	4745	ANENOME (WHITE)	G017	FRONT BASKET			
USGS-GM-2004-03	4745	ANENOME (WHITE)	G018	FRONT BASKET			
USGS-GM-2004-03	4745	ANENOME (WHITE)	G019	FRONT BASKET			
USGS-GM-2004-03	4745	ANENOME (WHITE)	G020	FRONT BASKET			
USGS-GM-2004-03	9017	ANENOME (WHITE)	G180	TRAWL 12'			
USGS-GM-2004-03	9018	ANENOME (WHITE)	G234	TRAWL 12'			
USGS-GM-2004-03	4749	ANTIPATHARIAN (BOTTLE BRUSH)	G117	SUB, BUCKET 12			
USGS-GM-2005-03	56	ANTIPATHES					
USGS-GM-2005-03	11	ATLANTICA ANTIPATHES	G017	TANGLES		X	
USGS-GM-2005-03	11	FURCATA ANTIPATHES	G004	TANGLES		X	
USGS-GM-2005-03	53	FURCATA ANTIPATHES	G006	TANGLES		X	
USGS-GM-2005-03	72	FURCATA	G028	TANGLES		X	
USGS-GM-2004-03	4746	ARROW CRAB	G037	BUCKET 7			
USGS-GM-2004-03	4745	ASTEROID	G016	FRONT BASKET			USED FOR RNA ANALYSIS
USGS-GM-2004-03	4745	ASTEROID	G025	FRONT BASKET			
USGS-GM-2004-03	4744	BAMBOO CORAL	G011	BUCKET 2			
USGS-GM-2004-03	4745	BAMBOO CORAL	G028	BUCKET 2			
USGS-GM-2004-03	9006	BAMBOO CORAL	G051	LONGLINE			
USGS-GM-2005-03	11	BASKET STAR	G001	ANGLING		X	
USGS-GM-2005-03	74	BATHYNECTES CRAB	G034	TRAP		X	PRESERVED
USGS-GM-2005-03	74	BATHYNECTES CRAB	G035	TRAP		X	PRESERVED

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Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
USGS-GM-2005-03	74	BATHYNECTES CRAB	G036	TRAP		X	PRESERVED
USGS-GM-2005-03	74	BATHYNECTES CRAB	G037	TRAP		X	PRESERVED
USGS-GM-2005-03	74	BATHYNECTES CRAB	G038	TRAP		X	PRESERVED
USGS-GM-2005-03	77	BATHYNECTES CRAB	G046	TRAP		X	
USGS-GM-2004-03	4748	BATHYNECTES LONGIMANA	G089	SUB, FISH TRAP			
USGS-GM-2004-03	4750	BATHYNECTES LONGISPINA	G134	FRONT BASKET	CW 52.7	7734	
USGS-GM-2005-03	74	BATHYNECTES ISOPOD	G033	TRAP		X	PRESERVED
USGS-GM-2005-03	75	BATHYNECTES ISOPOD	G042	TRAP			PRESERVED
USGS-GM-2005-03	53	BEBRYCE GORGONIAN FAN	G007	TANGLES		X	
USGS-GM-2005-03	56	BEBRYCE GORGONIAN FAN	G015	TANGLES		X	
USGS-GM-2004-03	4744	BLACK CORAL	G002	YELLOW TISSUE OVER BLACK SKELETON			USED FOR CORAL AGING AND RNA ANALYSIS
USGS-GM-2004-03	4744	BLACK CORAL	G003	YELLOW TISSUE OVER BLACK SKELETON			USED FOR CORAL AGING AND RNA ANALYSIS
USGS-GM-2004-03	4744	BLACK CORAL	G004	ORANGE TISSUE OVER BLACK SKELETON			USED FOR RNA ANALYSIS
USGS-GM-2004-03	4745	BLACK CORAL	G029	BUCKET 2			
USGS-GM-2004-03	4745	BLACK CORAL	G032	BLACK BUCKET 3			USED FOR CORAL AGING
USGS-GM-2004-03	4751	BLACK CORAL	G152	FRONT BASKET BUCKET 5, DRIED			
USGS-GM-2004-03	4752	BLACK CORAL	G251	SPECIMEN			

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Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
		BLUE ENCRUSTING		SUB, BLACK			
USGS-GM-2004-03	4748	SPONGE	G098	BUCKET 2			
USGS-GM-2004-03	4751	BRISINGID STARFISH	G145	BUCKET 7			
USGS-GM-2004-03	9004	CALICO CRAB SP. 1 COMMON WHITE	G035	12' OTTER TRAWL	CL 26.9		
USGS-GM-2004-03	4747	ANENOME	G056	BUCKET 7			
USGS-GM-2004-03	9018	CRAB A	G238	TRAWL 12'			
USGS-GM-2004-03	4749	CRINOID	G099	SUB, BUCKET 2			
USGS-GM-2004-03	4749	CRINOID	G100	SUB, BUCKET 2			
USGS-GM-2004-03	4749	CRINOID	G101	SUB, BUCKET 2			
USGS-GM-2004-03	4749	CRINOID	G102	SUB, BUCKET 2			
USGS-GM-2004-03	4749	CRINOID	G103	SUB, BUCKET 2			
USGS-GM-2004-03	4751	CRINOID	G151	BLACK BUCKET 4			
USGS-GM-2004-03	4751	ECHINUS SP. ENCRUSTING COLONIAL TUNICATE	G149	BUCKET 12			
USGS-GM-2004-03	4745	OR BRYOZOAN	G021	BUCKET 4			
USGS-GM-2004-03	4744	EUMUNIDA PICTA	G007	BUCKET 3	CW 30.8		
USGS-GM-2004-03	4747	EUMUNIDA PICTA	G054	BUCKET 10	CL 43.6		
USGS-GM-2004-03	4749	EUMUNIDA PICTA	G108	SUB, BUCKET 9			
USGS-GM-2004-03	4749	EUMUNIDA PICTA	G111	SUB, BUCKET 5	CL 34.7		
USGS-GM-2004-03	4751	EUMUNIDA PICTA	G140	FRONT BASKET	CL 34.7	7736	
USGS-GM-2004-03	4752	EUMUNIDA PICTA	G246	BUCKET 10	CL 33.3		
USGS-GM-2004-03	4753	EUMUNIDA PICTA	G259	BUCKET 1			
USGS-GM-2004-03	4755	FLABERELLID ISOPOD	G271	BUCKET 9			
USGS-GM-2004-03	4746	GASTROPOD	G038	BUCKET 7			
USGS-GM-2004-03	4749	GASTROPOD	G118	SUB, BUCKET 10			
USGS-GM-2004-03	4746	GERYONIDAE CRAB	G049	BUCKET 3			
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G062	OTTER TRAWL (12')	CW 45.4	7616	

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Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G063	OTTER TRAWL (12')	CW 32.6	7617	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G064	OTTER TRAWL (12')	CW 42.1	7618	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G065	OTTER TRAWL (12')	CW 56.4	7619	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G066	OTTER TRAWL (12')	CW 36.3	7620	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G067	OTTER TRAWL (12')	CW 28.2	7621	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G068	OTTER TRAWL (12')	CW 46.1	7622	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G069	OTTER TRAWL (12')	CW 48.4	7623	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G070	OTTER TRAWL (12')	CW 42.1	7624	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G071	OTTER TRAWL (12')	CW 49.6	7625	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G072	OTTER TRAWL (12')	CW 40.5	7626	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G073	OTTER TRAWL (12')	CW 44.7	7627	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G074	OTTER TRAWL (12')	CW 45.7	7628	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G075	OTTER TRAWL (12')	CW 48.3	7629	
USGS-GM-2004-03	9007	GERYONIDAE CRAB	G076	OTTER TRAWL (12')	CW 41.9	7630	
USGS-GM-2004-03	9014	GERYONIDAE CRAB	G120	BENTHIC SLED	CW 47.2	7723	
USGS-GM-2004-03	9014	GERYONIDAE CRAB	G121	BENTHIC SLED	CW 38.4	7724	
USGS-GM-2004-03	9014	GERYONIDAE CRAB	G122	BENTHIC SLED	CW 25.5	7725	
USGS-GM-2004-03	9013	GERYONIDAE CRAB	G125	BENTHIC SLED	CW 40.8	7726	
USGS-GM-2004-03	9013	GERYONIDAE CRAB	G126	BENTHIC SLED	CW 48.3	7727	
USGS-GM-2004-03	9013	GERYONIDAE CRAB	G127	BENTHIC SLED	CW 42.5	7728	
USGS-GM-2004-03	9013	GERYONIDAE CRAB	G128	BENTHIC SLED	CW 35.5	7729	
USGS-GM-2004-03	9013	GERYONIDAE CRAB	G129	BENTHIC SLED	CW 35.4	7730	
USGS-GM-2004-03	9013	GERYONIDAE CRAB	G130	BENTHIC SLED	CW 35.3	7731	
USGS-GM-2004-03	9013	GERYONIDAE CRAB	G131	BENTHIC SLED	CW 34.6	7732	
USGS-GM-2004-03	4750	GERYONIDAE CRAB	G133	BUCKET 11	CW 48.8	7733	
USGS-GM-2004-03	9017	GERYONIDAE CRAB	G154	TRAWL 12'	CW 47.6	7741	
USGS-GM-2004-03	9017	GERYONIDAE CRAB	G155	TRAWL 12'	CW 42.0	7742	
USGS-GM-2004-03	9017	GERYONIDAE CRAB	G156	TRAWL 12'	CW 52.1	7743	
USGS-GM-2004-03	9017	GERYONIDAE CRAB	G157	TRAWL 12'	CW 39.5	7744	
USGS-GM-2004-03	9017	GERYONIDAE CRAB	G158	TRAWL 12'	CW 44.8	7745	

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Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G181	TRAWL 12'	CW 41		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G182	TRAWL 12'	CW 44.6		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G183	TRAWL 12'	CW 41.8		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G184	TRAWL 12'	CW 31.6		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G185	TRAWL 12'	CW 28.7		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G186	TRAWL 12'	CW 39.4		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G187	TRAWL 12'	CW 38.7		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G188	TRAWL 12'	CW 47		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G189	TRAWL 12'	CW 47.6		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G190	TRAWL 12'	CW 45.6		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G191	TRAWL 12'	CW 43.9		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G192	TRAWL 12'	CW 46.1		DISCARD
USGS-GM-2004-03	9018	GERYONIDAE CRAB	G193	TRAWL 12'	CW 26.2		DISCARD
USGS-GM-2005-03	74	GERYONIDAE CRAB	G031	TRAP			PRESERVED
USGS-GM-2005-03	74	GERYONIDAE CRAB	G032	TRAP		X	PRESERVED
USGS-GM-2004-03	4749	GLASS SPONGE GOOSENECK	G112	SUB, BUCKET 2			
USGS-GM-2004-03	4754	BARNACLE	G269	BUCKET 8			
USGS-GM-2004-03	4745	GORGONIAN	G015	FRONT BASKET			USED FOR CORAL AGING AND DNA ANALYSIS
USGS-GM-2004-03	4745	GORGONIAN	G024	BUCKET 6			
USGS-GM-2005-03	53	GORGONIAN (WHITE WITH THIN BRANCHES)	G008	TANGLES		X	
USGS-GM-2004-03	4751	GORGONIAN ATTACHED TO LOPHELIA	G150	BUCKET 6			
USGS-GM-2005-03	72	GORGONIAN FAN (YELLOW)	G021	TANGLES		X	PRESERVED

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## TABLE 1.7: INVERTEBRATE SAMPLES

## USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE

KEY: CL = CARAPACE LENGTH, CW = CARAPACE WIDTH, X = SAMPLE TAKEN FOR ISOTOPE ANALYSIS

Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
		GORGONIAN GROWING ON					
USGS-GM-2004-03	4752	LOPHELIA	G250	BUCKET 10			
USGS-GM-2004-03	4744	GRAPSID CRAB SP. 1	G005	BUCKET 4	CW 28.3		
USGS-GM-2004-03	4744	HERMIT CRAB	G014	BUCKET 5			
USGS-GM-2004-03	9007	HERMIT CRAB	G077	OTTER TRAWL (12')			
USGS-GM-2005-03	53	HYDROID	G010	TANGLES		X	
USGS-GM-2005-03	56	HYDROID	G016	TANGLES		X	
USGS-GM-2004-03	4745	HYDROID	G030	BUCKET 2			
USGS-GM-2005-03	53	LIVE ROCK	G005	TANGLES			
USGS-GM-2005-03	69	LIVE ROCK	G018	TANGLES		X	
USGS-GM-2005-03	75	LOPHELIA	G041	TRAP			PRESERVED
USGS-GM-2005-03	76	LOPHELIA	G047	TRAP			PRESERVED
USGS-GM-2004-03	4744	LOPHELIA	G001	BLACK BUCKET 3			USED FOR DNA ANALYSIS
USGS-GM-2004-03	4746	LOPHELIA	G044	BUCKET 7			
USGS-GM-2004-03	4746	LOPHELIA	G045	BUCKET 6			
USGS-GM-2004-03	4746	LOPHELIA	G046	BUCKET 5			
USGS-GM-2004-03	4746	LOPHELIA	G047	BUCKET 4			
USGS-GM-2004-03	4746	LOPHELIA	G048	BUCKET 3			
				FRONT (BLACK)			
USGS-GM-2004-03	4747	LOPHELIA	G060	BUCKET 1			
				SUB, BLACK			
USGS-GM-2004-03	4748	LOPHELIA	G090	BUCKET 2			
USGS-GM-2004-03	4748	LOPHELIA	G091	SUB, BUCKET 10			
USGS-GM-2004-03	4748	LOPHELIA	G092	SUB, BUCKET 8			
USGS-GM-2004-03	4748	LOPHELIA	G093	SUB, BUCKET 4			
USGS-GM-2004-03	4748	LOPHELIA	G094	SUB, BUCKET 2			
USGS-GM-2004-03	4748	LOPHELIA	G095	SUB, BUCKET 12			
				SUB, FRONT			
USGS-GM-2004-03	4748	LOPHELIA	G096	BASKET			

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Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
USGS-GM-2004-03	4749	LOPHELIA	G104	SUB, BUCKET 2			USED BY KING
USGS-GM-2004-03	4749	LOPHELIA	G105	SUB, BUCKET 12			USED BY KING
USGS-GM-2004-03	4749	LOPHELIA	G106	SUB, BUCKET 10			USED BY KING
USGS-GM-2004-03	4749	LOPHELIA	G107	SUB, BLACK BUCKET 3 BLACK FRONT			USED BY KING
USGS-GM-2004-03	4751	LOPHELIA	G139	UCKET 3 YEARGIN		7735	
USGS-GM-2004-03	4751	LOPHELIA	G141	BUSHMASTER			
USGS-GM-2004-03	4751	LOPHELIA	G142	BUCKET 8			
USGS-GM-2004-03	4751	LOPHELIA	G143	BUCKET 7			
USGS-GM-2004-03	4751	LOPHELIA	G146	BUCKET 1 SUB UNKNOWN			
USGS-GM-2004-03	4751	LOPHELIA	G147	LOCATION			
USGS-GM-2004-03	4752	LOPHELIA	G240	FRONT BASKET BUCKET 2, NO			
USGS-GM-2004-03	4752	LOPHELIA	G242	VOUCHER			
USGS-GM-2004-03	4752	LOPHELIA	G243	BUCKET 11 BUCKET 7, NO			
USGS-GM-2004-03	4752	LOPHELIA	G244	VOUCHER BUCKET 12, RUBBLE, NO			
USGS-GM-2004-03	4752	LOPHELIA	G248	VOUCHER			
USGS-GM-2004-03	4752	LOPHELIA	G249	BUCKET 4, RUBBLE, NO VOUCHER			
USGS-GM-2004-03	4753	LOPHELIA	G260	BUCKET 1			
USGS-GM-2004-03	4753	LOPHELIA	G333	KELLOGG SAMPLER 1&2, NO VOUCHER			

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Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
USGS-GM-2004-03	4753	LOPHELIA	G334	KELLOGG SAMPLER 3&4, NO VOUCHER			
USGS-GM-2004-03	4753	LOPHELIA	G335	KELLOGG SAMPLER 5&6, NO VOUCHER			
USGS-GM-2004-03	4753	LOPHELIA	G336	KELLOGG SAMPLER 7&8, NO VOUCHER			
USGS-GM-2004-03	4753	LOPHELIA	G337	KELLOGG SAMPLER 9&10, NO VOUCHER			
USGS-GM-2004-03	4746	LOPHELIA ASSOCIATED SHRIMP	G039	BUCKET 5			
USGS-GM-2004-03	4746	LOPHELIA ASSOCIATED SHRIMP	G040	BUCKET 5			
USGS-GM-2004-03	4746	LOPHELIA ASSOCIATED SHRIMP	G041	BUCKET 5			
USGS-GM-2004-03	4746	LOPHELIA ASSOCIATED SHRIMP	G042	BUCKET 5			
USGS-GM-2004-03	4746	LOPHELIA ASSOCIATED SHRIMP	G043	BUCKET 5			
USGS-GM-2004-03	4746	LOPHELIA ASSOCIATED SHRIMP	G050	BUCKET 7			



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Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
		LOPHELIA					
		W/ATTACHED		YEARGIN			
USGS-GM-2004-03	4747	GASTROPODS	G052	BUSHMASTER			
USGS-GM-2004-03	4744	MAJID CRAB SP. 1	G006	BUCKET 1	CW 30.8		
USGS-GM-2004-03	9004	MAJID CRAB SP. 2	G033	12' OTTER TRAWL	CL 68.6		
USGS-GM-2004-03	9018	MAJIDAE B	G236	TRAWL 12'	CL 24.9		
USGS-GM-2004-03	9018	MAJIDAE B	G237	TRAWL 12'	CL 15.7		
USGS-GM-2004-03	9007	MUNIDA SP.	G079	OTTER TRAWL (12')	CL 1.41	7632	
USGS-GM-2004-03	9007	MUNIDA SP.	G080	OTTER TRAWL (12')	CL 1.34	7633	
USGS-GM-2004-03	9007	MUNIDA SP.	G081	OTTER TRAWL (12')	CL 1.41	7634	
USGS-GM-2004-03	9007	MUNIDA SP.	G082	OTTER TRAWL (12')	CL 1.82	7635	
USGS-GM-2004-03	9007	MUNIDA SP.	G083	OTTER TRAWL (12')	CL 1.55	7636	
USGS-GM-2004-03	9017	MUNIDA SP.	G174	TRAWL 12'			
USGS-GM-2004-03	9017	MUNIDA SP.	G175	TRAWL 12'			
USGS-GM-2004-03	9017	MUNIDA SP.	G176	TRAWL 12'			
USGS-GM-2004-03	9007	MUNIDA SP.	G078	OTTER TRAWL (12')	CL 1.24	7631	
USGS-GM-2004-03	4752	MUNIDA SP. 4	G247	BUCKET 11			
USGS-GM-2004-03	4754	MUNIDA SP. 5	G266	BUCKET 7			
USGS-GM-2004-03	9004	MUNIDA SP.1	G036	12' OTTER TRAWL	CL 12.7		
USGS-GM-2004-03	4752	MUNIDA SPS 3	G245	BUCKET 10, PHOTO			
USGS-GM-2004-03	4753	MUNIDAE SP. 3	G252	BUCKET 1			
USGS-GM-2004-03	4753	MUNIDAE SP. 3	G253	BUCKET 1			
USGS-GM-2004-03	9007	MUNIDOPSIS SP.	G086	OTTER TRAWL (12')			
USGS-GM-2004-03	9007	NEPHROPIDAE	G085	OTTER TRAWL (12')			
USGS-GM-2004-03	9014	NEPHROPIDAE	G123	BENTHIC SLED			
		NOVADINII					
USGS-GM-2004-03	4747	ANTILLENIS	G057	FRONT BASKET			
USGS-GM-2004-03	4750	OCTOPUS	G136	BUCKET 3			

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Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
		ORANGE BRITTLE					
USGS-GM-2004-03	9018	STAR	G231	TRAWL 12'			
		ORANGE BRITTLE					
USGS-GM-2004-03	9018	STAR	G232	TRAWL 12'			
		ORANGE BRITTLE					
USGS-GM-2004-03	9018	STAR	G233	TRAWL 12'			
		ORANGE					
USGS-GM-2004-03	9017	BRITTLESTAR	G177	TRAWL 12'			
		ORANGE					
USGS-GM-2004-03	9017	BRITTLESTAR	G178	TRAWL 12'			
		ORANGE					
USGS-GM-2004-03	9017	BRITTLESTAR	G179	TRAWL 12'			
USGS-GM-2004-03	4750	ORANGE SEASTAR	G132	BUCKET 10			
		PARCHMENT		SUB, BLACK			
USGS-GM-2004-03	4749	POLYCHAETE	G119	BUCKET 3			
USGS-GM-2004-03	4745	PENAEID SHRIMP	G027	BUCKET 11			
USGS-GM-2004-03	4744	PENCIL URCHIN	G008	BUCKET 7			
USGS-GM-2004-03	4747	PENCIL URCHIN	G059	BUCKET 8			
				SUB, BLACK			
USGS-GM-2004-03	4748	PENCIL URCHIN	G097	BUCKET 2			
USGS-GM-2005-03	77	PENCIL URCHIN	G043	TRAP		X	
USGS-GM-2005-03	77	PENCIL URCHIN	G044	TRAP			PRESERVED
USGS-GM-2005-03	77	PENCIL URCHIN	G045	TRAP			PRESERVED
USGS-GM-2004-03	4754	PINK SEA STAR	G268	BUCKET 3			
USGS-GM-2004-03	4745	POLYCHAETE	G022	BUCKET 10			
USGS-GM-2004-03	4745	POLYCHAETE	G031	BUCKET 10			
USGS-GM-2004-03	9006	POLYCHAETE	G061	LONGLINE			
		POLYCHEALIDAE					
USGS-GM-2004-03	4755	LOBSTER	G272	BUCKET 9			
USGS-GM-2004-03	9007	POLYCHELIDAE (1)	G084	OTTER TRAWL (12')			

**MASTER APPENDIX B****TABLE 1.7: INVERTEBRATE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: CL = CARAPACE LENGTH, CW = CARAPACE WIDTH, X = SAMPLE TAKEN FOR ISOTOPE ANALYSIS**

Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
USGS-GM-2004-03	9007	POLYCHELIDAE (2)	G087	OTTER TRAWL (12')			
USGS-GM-2004-03	9004	PORTUNID CRAB SP. 1	G034	12' OTTER TRAWL	CL 39		
USGS-GM-2005-03	53	PURPLE GORGONIAN FAN	G009	TANGLES		X	
USGS-GM-2005-03	56	PURPLE GORGONIAN FAN	G013	TANGLES		X	
USGS-GM-2005-03	72	PURPLE GORGONIAN FAN	G022	TANGLES			PRESERVED
USGS-GM-2004-03	9007	PURPLE SEA CUCUMBER	G088	OTTER TRAWL (12')			
USGS-GM-2004-03	4753	PYCNOGONID	G254	BUCKET 1			
USGS-GM-2004-03	9018	RANILLIDAE RED CRAB W/BLACK CLAWS	G235	TRAWL 12'			
USGS-GM-2004-03	4747		G053	FISH TRAP			
USGS-GM-2005-03	72	RED GORGONIAN FAN RED SEA WHIP	G023	TANGLES			PRESERVED
USGS-GM-2005-03	11	GORGONIAN RED SEA WHIP	G003	TANGLES		X	
USGS-GM-2005-03	72	GORGONIAN	G020	TANGLES		X	PRESERVED
USGS-GM-2004-03	4754	RED SHRIMP RED THESEA	G267	BUCKET 7			
USGS-GM-2005-03	56	GORGONIAN FAN	G014	TANGLES		X	
USGS-GM-2004-03	9014	ROCHINIA CRASSA	G124	BENTHIC SLED			
USGS-GM-2004-03	4750	SEA CUCUMER	G135	BUCKET 11			
USGS-GM-2004-03	4747	SEA STAR	G055	BUCKET 4			
USGS-GM-2005-03	74	SHRIMP	G040	TRAP			PRESERVED
USGS-GM-2004-03	4749	SHRIMP (UNKNOWN)	G114	SUB, BUCKET 1			
USGS-GM-2004-03	4749	SHRIMP (UNKNOWN)	G115	SUB, BUCKET 9			

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Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
USGS-GM-2004-03	4749	SHRIMP (UNKNOWN)	G116	SUB, BUCKET 12			
USGS-GM-2004-03	4753	SHRIMP IN LOPHELIA	G255	BUCKET 1			
USGS-GM-2004-03	4753	SHRIMP IN LOPHELIA	G256	BUCKET 1			
USGS-GM-2004-03	4753	SHRIMP IN LOPHELIA	G257	BUCKET 1			
USGS-GM-2004-03	4753	SHRIMP IN LOPHELIA	G258	BUCKET 1			
				VOUCHER, 12'			
USGS-GM-2004-03	9017	SHRIMP SP. A	G159	TRAWL			
				VOUCHER, 12'			
USGS-GM-2004-03	9017	SHRIMP SP. A	G160	TRAWL			
USGS-GM-2004-03	9017	SHRIMP SP. A	G161	TRAWL 12'		7746	
USGS-GM-2004-03	9017	SHRIMP SP. A	G162	TRAWL 12'		7747	
USGS-GM-2004-03	9017	SHRIMP SP. A	G163	TRAWL 12'		7748	
USGS-GM-2004-03	9017	SHRIMP SP. A	G164	TRAWL 12'		7749	
USGS-GM-2004-03	9017	SHRIMP SP. A	G165	TRAWL 12'		7750	
USGS-GM-2004-03	9017	SHRIMP SP. A	G166	TRAWL 12'		7751	
USGS-GM-2004-03	9017	SHRIMP SP. A	G167	TRAWL 12'		7752	
USGS-GM-2004-03	9017	SHRIMP SP. A	G168	TRAWL 12'		7753	
USGS-GM-2004-03	9017	SHRIMP SP. A	G169	TRAWL 12'		7754	
USGS-GM-2004-03	9017	SHRIMP SP. A	G170	TRAWL 12'		7755	
USGS-GM-2004-03	9017	SHRIMP SP. A	G171	TRAWL 12'		7756	
USGS-GM-2004-03	9017	SHRIMP SP. A	G172	TRAWL 12'		7757	
USGS-GM-2004-03	9017	SHRIMP SP. A	G173	TRAWL 12'		7759	
USGS-GM-2004-03	9018	SHRIMP SP. A	G194	TRAWL 12'		7774	
USGS-GM-2004-03	9018	SHRIMP SP. A	G195	TRAWL 12'		7775	
USGS-GM-2004-03	9018	SHRIMP SP. A	G196	TRAWL 12'		7776	
USGS-GM-2004-03	9018	SHRIMP SP. A	G197	TRAWL 12'		7777	
USGS-GM-2004-03	9018	SHRIMP SP. A	G198	TRAWL 12'		7778	
USGS-GM-2004-03	9018	SHRIMP SP. A	G199	TRAWL 12'		7779	
USGS-GM-2004-03	9018	SHRIMP SP. A	G200	TRAWL 12'		7780	
USGS-GM-2004-03	9018	SHRIMP SP. A	G201	TRAWL 12'		7781	

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Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
USGS-GM-2004-03	9018	SHRIMP SP. A	G202	TRAWL 12'		7782	
USGS-GM-2004-03	9018	SHRIMP SP. A	G203	TRAWL 12'		7783	
USGS-GM-2004-03	9018	SHRIMP SP. A	G204	TRAWL 12'		7784	
USGS-GM-2004-03	9018	SHRIMP SP. A	G205	TRAWL 12'		7785	
USGS-GM-2004-03	9018	SHRIMP SP. A	G206	TRAWL 12'		7786	
USGS-GM-2004-03	9018	SHRIMP SP. A	G207	TRAWL 12'		7787	
USGS-GM-2004-03	9018	SHRIMP SP. A	G208	TRAWL 12'		7788	
USGS-GM-2004-03	9018	SHRIMP SP. B	G209	TRAWL 12'			VOUCHER
USGS-GM-2004-03	9018	SHRIMP SP. B	G210	TRAWL 12'			VOUCHER
USGS-GM-2004-03	9018	SHRIMP SP. B	G211	TRAWL 12'		7789	
USGS-GM-2004-03	9018	SHRIMP SP. B	G212	TRAWL 12'		7790	
USGS-GM-2004-03	9018	SHRIMP SP. B	G213	TRAWL 12'		7791	
USGS-GM-2004-03	9018	SHRIMP SP. B	G214	TRAWL 12'		7792	
USGS-GM-2004-03	9018	SHRIMP SP. B	G215	TRAWL 12'		7793	
USGS-GM-2004-03	9018	SHRIMP SP. B	G216	TRAWL 12'		7794	
USGS-GM-2004-03	9018	SHRIMP SP. B	G217	TRAWL 12'		7795	
USGS-GM-2004-03	9018	SHRIMP SP. B	G218	TRAWL 12'		7796	
USGS-GM-2004-03	9018	SHRIMP SP. B	G219	TRAWL 12'		7797	
USGS-GM-2004-03	9018	SHRIMP SP. B	G220	TRAWL 12'		7798	
USGS-GM-2004-03	9018	SHRIMP SP. B	G221	TRAWL 12'		7799	
USGS-GM-2004-03	9018	SHRIMP SP. B	G222	TRAWL 12'		7800	
USGS-GM-2004-03	9018	SHRIMP SP. B	G223	TRAWL 12'		7801	
USGS-GM-2004-03	9018	SHRIMP SP. B	G224	TRAWL 12'		7802	
USGS-GM-2004-03	9018	SHRIMP SP. B	G225	TRAWL 12'		7803	
USGS-GM-2004-03	9018	SHRIMP SP. B	G226	TRAWL 12'		7804	
USGS-GM-2004-03	9018	SHRIMP SP. B	G227	TRAWL 12'		7805	
USGS-GM-2004-03	9018	SHRIMP SP. B	G228	TRAWL 12'		7806	
USGS-GM-2004-03	9018	SHRIMP SP. B	G229	TRAWL 12'		7807	
USGS-GM-2004-03	9018	SHRIMP SP. B	G230	TRAWL 12'		7808	
USGS-GM-2004-03	4752	SHRIMP SP. C	G241	BUCKET 5			

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Cruise	Station	Taxon	Specimen #	Gear	Length mm	Sample?	Comments
USGS-GM-2005-03	72	SMALL DIADEMA	G029	TANGLES	Small	X	
USGS-GM-2004-03	4745	SPONGE (WHITE)	G023	BUCKET 10			
USGS-GM-2005-03	72	SPONGE A	G024	TANGLES		X	PRESERVED
USGS-GM-2005-03	72	SPONGE B	G025	TANGLES		X	PRESERVED
USGS-GM-2005-03	72	SPONGE C	G026	TANGLES		X	PRESERVED
USGS-GM-2005-03	72	SPONGE D	G027	TANGLES		X	PRESERVED
USGS-GM-2004-03	4750	SQUID	G137	BUCKET 9			
USGS-GM-2005-03	72	STARFISH	G030	TANGLES			PRESERVED
		STENORHHYNCHUS					
USGS-GM-2005-03	53	CRAB	G011	TANGLES		X	
		STENORHHYNCHUS					
USGS-GM-2005-03	53	CRAB	G012	TANGLES	MBINED WITH G011 F		
USGS-GM-2004-03	4751	TAN SPONGE	G138	BUCKET 4			
		THIN BRANCHING					
USGS-GM-2005-03	11	THESEA GORGONIAN	G002	TANGLES		X	
		THIN BRANCHING					
USGS-GM-2005-03	72	THESEA GORGONIAN	G019	TANGLES		X	PRESERVED
USGS-GM-2004-03	4744	TOP SHELL	G013	BUCKET 5			
USGS-GM-2004-03	4744	TOP SHELL LIVE	G009	BUCKET 8	21.4		
		TOP SHELL WITH					
USGS-GM-2004-03	4744	HERMIT	G010	BUCKET 8	23.1		
				BLACK FRONT			
USGS-GM-2004-03	4751	TUBE WORM	G153	BUCKET 4			
USGS-GM-2004-03	9018	TUBE WORM	G239	TRAWL 12'			
USGS-GM-2004-03	4747	WHITE ANENOME	G058	BUCKET 3			
USGS-GM-2004-03	4751	WHITE ANENOME	G144	BUCKET 1			
USGS-GM-2004-03	4749	WHITE GALATHEID	G109	SUB, BUCKET 5			
USGS-GM-2004-03	4749	WHITE GALATHEID	G110	SUB, BUCKET 5			

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<b>Cruise</b>	<b>Station</b>	<b>Taxon</b>	<b>Specimen #</b>	<b>Gear</b>	<b>Length mm</b>	<b>Sample?</b>	<b>Comments</b>
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**MASTER APPENDIX B****TABLE 1.7: INVERTEBRATE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: CL = CARAPACE LENGTH, CW = CARAPACE WIDTH, X = SAMPLE TAKEN FOR ISOTOPE ANALYSIS**

<b>Cruise</b>	<b>Station</b>	<b>Taxon</b>	<b>Specimen #</b>	<b>Gear</b>	<b>Length mm</b>	<b>Sample?</b>	<b>Comments</b>
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