

Cruise Sampling Report

Cruise ID **Cruise Title** **Cruise Start** **Cruise End** **Vehicle Used**
EX1504L3 *Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3* 8/28/2015 9/3/2015 *Deep Discoverer*

Dive ID **Dive Date** **Dive Site Name**
DIVE02 **8/29/2015** **Keahole Point**

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150830T005000_D2_DIVE02_SPEC01BIO	20150830T005000	BIO	Chrysopathes sp.	Chris Kelley	SNMNH

Lat: 19.802 Lon: -156.126 Depth (m): 389.000 Temp: 8.108 Sal: 34.233 Oxy: 2.487 pH: pH Scale: pCO2:

Size Category: Large WeightInKg: Condition: Excellent

Remarks:

Habitat(s): Pavement-with attached fauna, Rubble Substrate(s): Cobble, Coral Rubble

Comments: Substrate: carbonate.

SubSample: EX1504L3_20150830T005000_D2_DIVE02_SPEC01BIO_S01 Vial #: 44 Sub Sample Repository: OGL

Comment

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150830T014300_D2_DIVE02_SPEC02BIO	20150830T014300	BIO	Keratoisis sp.	Chris Kelley	SNMNH

Lat: 19.802 Lon: -156.126 Depth (m): 393.000 Temp: 8.114 Sal: 34.217 Oxy: 2.482 pH: pH Scale: pCO2:

Size Category: Medium WeightInKg: Condition: Excellent

Remarks:

Habitat(s): Pavement-with attached fauna, Rubble Substrate(s): Cobble, Coral Rubble

Comments: Substrate: carbonate

SubSample: EX1504L3_20150830T014300_D2_DIVE02_SPEC02BIO_S01 Vial #: 45 Sub Sample Repository: OGL

Comment

Commensal ID	Commensal Identification	Repository	Vial #	Vial Repository
EX1504L3_20150830T014300_D2_DIVE02_SPEC02BIO_C01				OGL

Cruise Sampling Report

<i>Cruise ID</i>	<i>Cruise Title</i>	<i>Cruise Start</i>	<i>Cruise End</i>	<i>Vehicle Used</i>
<i>EX1504L3</i>	<i>Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3</i>	<i>8/28/2015</i>	<i>9/3/2015</i>	<i>Deep Discoverer</i>

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository			
EX1504L3_20150830T015700_D2_DIVE02_SPEC03GEO	20150830T015700	GEO	Carbonate	Chris Kelley	OSU			
Lat: 19.802	Lon: -156.126	Depth (m): 388.000	Temp: 8.179	Sal: 34.212	Oxy: 2.550	pH:	pH Scale:	pCO2:
Size Category	Small	WeightInKg	0.8	Condition	Good			
Remarks:								
Habitat(s):	Pavement-with attached fauna, Rubble			Substrate(s):	Cobble, Coral Rubble			
Comments:	Substrate: carbonate							

Cruise Sampling Report

Cruise ID **Cruise Title** **Cruise Start** **Cruise End** **Vehicle Used**
EX1504L3 *Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3* *8/28/2015* *9/3/2015* *Deep Discoverer*

Dive ID **Dive Date** **Dive Site Name**
DIVE03 **8/30/2015** **South Point**

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository			
EX1504L3_20150830T200800_D2_DIVE03_SPEC01GEO	20150830T200800	GEO	Basalt	Chris Kelley	OSU			
Lat: 18.958	Lon: -155.731	Depth (m): 452.000	Temp: 7.401	Sal: 34.226	Oxy: 1.896	pH:	pH Scale:	pCO2:
Size Category	Medium	WeightInKg	2.9	Condition	Excellent			
Remarks:	Basalt Validation Sample							
Habitat(s):	Rock/Ledges , Soft Substrate/Rubble/Rock		Substrate(s):			Bedrock, Boulder, Cobble, Pebble		
Comments:								

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository			
EX1504L3_20150830T223300_D2_DIVE03_SPEC02GEO	20150830T223300	GEO	Basalt	Chris Kelley	OSU			
Lat: 18.953	Lon: -155.725	Depth (m): 450.000	Temp: 6.805	Sal: 34.248	Oxy: 1.597	pH:	pH Scale:	pCO2:
Size Category	Medium	WeightInKg	4.1	Condition	Excellent			
Remarks:	Basalt Validation Sample Middle Flow							
Habitat(s):	Rock/Ledges , Soft Substrate/Rubble/Rock		Substrate(s):			Bedrock, Boulder, Cobble, Pebble		
Comments:								

Cruise Sampling Report

Cruise ID **Cruise Title** **Cruise Start** **Cruise End** **Vehicle Used**
EX1504L3 *Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3* *8/28/2015* *9/3/2015* *Deep Discoverer*

Dive ID **Dive Date** **Dive Site Name**
DIVE04 **8/31/2015** **McCall Seamount**

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150831T202700_D2_DIVE04_SPEC01GEO	20150831T202700	GEO	Mn-crusted basalt	Chris Kelley	OSU
Lat: 18.983 Lon: -157.112 Depth (m): #####	Temp: 1.670	Sal: 34.640	Oxy: 3.630	pH: pH Scale:	pCO2:
Size Category: med	WeightInKg: 6.5	Condition: excellent			
Remarks: Vessiculated					
Habitat(s): Rock/Ledges-barren, Soft Substrate/Rubble/Rock			Substrate(s): Bedrock, Boulder, Coarse Sand, Cobble		
Comments:					

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150831T234000_D2_DIVE04_SPEC02BIO	20150831T234000	BIO	Stauropathes sp.	Chris Kelley	SNMNH
Lat: 18.978 Lon: -157.110 Depth (m): #####	Temp: 1.580	Sal: 34.670	Oxy: 3.720	pH: pH Scale:	pCO2:
Size Category: med	WeightInKg:	Condition: excellent			
Remarks:					
Habitat(s): Rock/Ledges-barren, Soft Substrate/Rubble/Rock			Substrate(s): Bedrock, Boulder, Coarse Sand, Cobble		
Comments:					

SubSample: EX1504L3_20150831T234000_D2_DIVE04_SPEC02BIO_S01 **Vial #:** 46 **Sub Sample Repository:** OGL
Comment

Cruise Sampling Report

Cruise ID **Cruise Title** **Cruise Start** **Cruise End** **Vehicle Used**
EX1504L3 **Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3** **8/28/2015** **9/3/2015** **Deep Discoverer**

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150901T000500_D2_DIVE04_SPEC03GEO	20150901T000500	GEO	Mn-crusted basalt	Chris Kelley	OSU
Lat: 18.978 Lon: -157.111 Depth (m): #####	Temp: 1.570	Sal: 34.670	Oxy: 3.760	pH:	pH Scale:
	pCO2:				
Size Category	med	WeightInKg	4.6	Condition	excellent
Remarks:					
Habitat(s):	Rock/Ledges-barren, Soft Substrate/Rubble/Rock	Substrate(s):	Bedrock, Boulder, Coarse Sand, Cobble		
Comments:					

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150901T002300_D2_DIVE04_SPEC04GEO	20150901T002300	GEO	Mn-crusted basalt	Chris Kelley	OSU
Lat: 18.977 Lon: -157.111 Depth (m): #####	Temp: 1.570	Sal: 34.670	Oxy: 3.740	pH:	pH Scale:
	pCO2:				
Size Category	small	WeightInKg	1.1	Condition	excellent
Remarks:	Collected rock only for commensal hydrozoan				
Habitat(s):	Rock/Ledges-barren, Soft Substrate/Rubble/Rock	Substrate(s):	Bedrock, Boulder, Coarse Sand, Cobble		
Comments:					

Commensal ID	Commensal Identification	Repository	Vial #	Vial Repository
EX1504L3_20150901T002300_D2_DIVE04_SPEC04GEO_C01	Hydrozoa	SNMNH	50	OGL
Commensal ID	Commensal Identification	Repository	Vial #	Vial Repository
EX1504L3_20150901T002300_D2_DIVE04_SPEC04GEO_C02	Polychaeta	SNMNH		OGL

Cruise Sampling Report

Cruise ID **Cruise Title** **Cruise Start** **Cruise End** **Vehicle Used**
EX1504L3 **Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3** **8/28/2015** **9/3/2015** **Deep Discoverer**

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150901T004700_D2_DIVE04_SPEC05BIO	20150901T004700	BIO	Primnoidae	Chris Kelley	SNMNH
Lat: 18.977 Lon: -157.111 Depth (m): #####	Temp: 1.580	Sal: 34.670	Oxy: 3.710	pH:	pH Scale:
Size Category	med	WeightInKg	Condition	excellent	
Remarks:	Could be Narella bowersi				
Habitat(s):	Rock/Ledges-barren, Soft Substrate/Rubble/Rock	Substrate(s):	Bedrock, Boulder, Coarse Sand, Cobble		
Comments:					

SubSample: EX1504L3_20150901T004700_D2_DIVE04_SPEC05BIO_S01 **Vial #:** 48 **Sub Sample Repository:** OGL
Comment

Commensal ID	Commensal Identification	Repository	Vial #	Vial Repository
EX1504L3_20150901T004700_D2_DIVE04_SPEC05BIO_C01	Ophiuroidea	SNMNH	49	OGL

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150901T005700_D2_DIVE04_SPEC06BIO	20150901T005700	BIO	Schizopathidae	Chris Kelley	SNMNH
Lat: 18.977 Lon: -157.111 Depth (m): #####	Temp: 3.680	Sal: 34.670	Oxy: 1.570	pH:	pH Scale:
Size Category	med	WeightInKg	Condition	excellent	
Remarks:	could be genus Schizopathes				
Habitat(s):	Rock/Ledges-barren, Soft Substrate/Rubble/Rock	Substrate(s):	Bedrock, Boulder, Coarse Sand, Cobble		
Comments:					

SubSample: EX1504L3_20150901T005700_D2_DIVE04_SPEC06BIO_S01 **Vial #:** 47 **Sub Sample Repository:** OGL
Comment

Cruise Sampling Report

Cruise ID **Cruise Title** **Cruise Start** **Cruise End** **Vehicle Used**
 EX1504L3 *Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3* 8/28/2015 9/3/2015 Deep Discoverer

Dive ID **Dive Date** **Dive Site Name**
 DIVE05 9/1/2015 Swordfish Seamount

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150901T191700_D2_DIVE05_SPEC01GEO	20150901T191700	GEO	Basalt	Chris Kelley	OSU

Lat: 18.312 Lon: -158.455 Depth (m): ##### Temp: 3.685 Sal: 34.544 Oxy: 1.799 pH: pH Scale: pCO2:

Size Category: Medium WeightInKg: 6.8 Condition: Excellent

Remarks:

Habitat(s): Rock/Ledges-barren, Soft Substrate/Rubble/Rock **Substrate(s):** Bedrock, Boulder, Coarse Sand, Cobble

Comments: In two pieces.

Commensal ID	Commensal Identification	Repository	Vial #	Vial Repository
EX1504L3_20150901T191700_D2_DIVE05_SPEC01GEO_C01	Ascidiacea	SNMNH	53	OGL

Commensal ID	Commensal Identification	Repository	Vial #	Vial Repository
EX1504L3_20150901T191700_D2_DIVE05_SPEC01GEO_C02	Caenopedina sp.	SNMNH		OGL

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150901T204300_D2_DIVE05_SPEC02BIO	20150901T204300	BIO	Anthomastus sp.	Chris Kelley	SNMNH

Lat: 18.311 Lon: -158.455 Depth (m): ##### Temp: 3.927 Sal: 34.528 Oxy: 1.685 pH: pH Scale: pCO2:

Size Category: Small WeightInKg: Condition: Excellent

Remarks:

Habitat(s): Hard Corals, Rock/Ledges-barren, Soft **Substrate(s):** Bedrock, Boulder, Coarse Sand, Cobble

Comments: Collected with small portion of rock; rock not included in database (only collected for biological specimen)

Cruise Sampling Report

Cruise ID *EX1504L3* **Cruise Title** *Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3* **Cruise Start** *8/28/2015* **Cruise End** *9/3/2015* **Vehicle Used** *Deep Discoverer*

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150901T223400_D2_DIVE05_SPEC03BIO	20150901T223400	BIO	Madrepora oculata	Chris Kelley	SNMNH

Lat: 18.309 Lon: -158.454 Depth (m): 970.000 Temp: Sal: Oxy: pH: pH Scale: pCO2:

Size Category: Medium WeightInKg: Condition: Good

Remarks:

Habitat(s): Rock/Ledges-barren, Soft Substrate/Rubble/Rock Substrate(s): Bedrock, Boulder, Coarse Sand, Cobble

Comments: Server went out during collection. Temperature, Salinity, and Oxygen not recorded

SubSample: EX1504L3_20150901T223400_D2_DIVE05_SPEC03BIO_S01 Vial #: 51 Sub Sample Repository: OGL

Comment

Commensal ID	Commensal Identification	Repository	Vial #	Vial Repository
EX1504L3_20150901T223400_D2_DIVE05_SPEC03BIO_C01				OGL

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150901T224500_D2_DIVE05_SPEC04GEO	20150901T224500	GEO	Carbonate	Chris Kelley	OSU

Lat: 18.309 Lon: -158.454 Depth (m): 969.000 Temp: 4.014 Sal: 34.413 Oxy: 1.629 pH: pH Scale: pCO2:

Size Category: Extra Large WeightInKg: 35 Condition: Excellent

Remarks:

Habitat(s): Rock/Ledges-barren, Soft Substrate/Rubble/Rock Substrate(s): Bedrock, Boulder, Coarse Sand, Cobble

Comments:

Cruise Sampling Report

Cruise ID **Cruise Title** **Cruise Start** **Cruise End** **Vehicle Used**
EX1504L3 **Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3** **8/28/2015** **9/3/2015** **Deep Discoverer**

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository			
EX1504L3_20150901T234400_D2_DIVE05_SPEC05BIO	20150901T234400	BIO	Lanuginellinae	Chris Kelley	SNMNH			
Lat: 18.309	Lon: -158.454	Depth (m): 953.000	Temp: 4.337	Sal: 34.444	Oxy: 1.549	pH:	pH Scale:	pCO2:
Size Category	Extra Large	WeightInKg	Condition	Excellent				
Remarks:	Rossellidae vase							
Habitat(s):	Rock/Ledges-barren, Soft Substrate/Rubble/Rock		Substrate(s): Bedrock, Boulder, Coarse Sand, Cobble					
Comments:	Dried. Subsample 02 will be in alcohol							

SubSample:	EX1504L3_20150901T234400_D2_DIVE05_SPEC05BIO_S01	Vial #:	52	Sub Sample Repository:	OGL
Comment					

Commensal ID	Commensal Identification	Repository	Vial #	Vial Repository
EX1504L3_20150901T234400_D2_DIVE05_SPEC05BIO_C01	Ophiurida	SNMNH		OGL

SubSample:	EX1504L3_20150901T234400_D2_DIVE05_SPEC05BIO_S02	Vial #:		Sub Sample Repository:	
Comment	95% Ethanol aliquot				

Commensal ID	Commensal Identification	Repository	Vial #	Vial Repository
EX1504L3_20150901T234400_D2_DIVE05_SPEC05BIO_C01	Ophiurida	SNMNH		OGL

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository			
EX1504L3_20150902T001800_D2_DIVE05_SPEC06GEO	20150902T001800	GEO	Basalt	Chris Kelley	OSU			
Lat: 18.308	Lon: -158.454	Depth (m): 973.000	Temp: 4.331	Sal: 34.444	Oxy: 1.530	pH:	pH Scale:	pCO2:
Size Category	Medium	WeightInKg	3.2	Condition	Excellent			
Remarks:								
Habitat(s):	Rock/Ledges-barren, Soft Substrate/Rubble/Rock		Substrate(s): Bedrock, Boulder, Coarse Sand, Cobble					
Comments:								

Cruise Sampling Report

<i>Cruise ID</i>	<i>Cruise Title</i>	<i>Cruise Start</i>	<i>Cruise End</i>	<i>Vehicle Used</i>
<i>EX1504L3</i>	<i>Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3</i>	<i>8/28/2015</i>	<i>9/3/2015</i>	<i>Deep Discoverer</i>

Commensal ID	Commensal Identification	Repository	Vial #	Vial Repository
EX1504L3_20150902T001800_D2_DIVE05_SPEC06GEO_C01	Cnidaria	SNMNH		OGL

Cruise Sampling Report

Cruise ID **Cruise Title** **Cruise Start** **Cruise End** **Vehicle Used**
EX1504L3 *Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3* *8/28/2015* *9/3/2015* *Deep Discoverer*

Dive ID **Dive Date** **Dive Site Name**
DIVE06 **9/2/2015** **Ellis Seamount**

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150902T200800_D2_DIVE06_SPEC01GEO	20150902T200800	GEO	Mn-crusted basalt	Chris Kelley	OSU
Lat: 19.231 Lon: -157.612 Depth (m): #####	Temp: 1.980	Sal: 34.640	Oxy: 3.050	pH: pH Scale:	pCO2:
Size Category: Small	WeightInKg: 1	Condition: Excellent			
Remarks:					
Habitat(s): Rock/Ledges-barren, Soft Substrate/Rubble/Rock			Substrate(s): Bedrock, Boulder, Coarse Sand, Cobble		
Comments:					

Commensal ID	Commensal Identification	Repository	Vial #	Vial Repository
EX1504L3_20150902T200800_D2_DIVE06_SPEC01GEO_C01				OGL

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository
EX1504L3_20150902T222100_D2_DIVE06_SPEC02GEO	20150902T222100	GEO	Mn-crusted basalt	Chris Kelley	OSU
Lat: 19.229 Lon: -157.613 Depth (m): #####	Temp: 1.980	Sal: 34.640	Oxy: 3.000	pH: pH Scale:	pCO2:
Size Category: Medium	WeightInKg: 8	Condition: Excellent			
Remarks:					
Habitat(s): Rock/Ledges-barren, Soft Substrate/Rubble/Rock			Substrate(s): Bedrock, Boulder, Coarse Sand, Cobble		
Comments:					

Cruise Sampling Report

Cruise ID *EX1504L3* **Cruise Title** *Hohonu Moana: Exploring the Deep Waters off Hawai'i Leg 3* **Cruise Start** *8/28/2015* **Cruise End** *9/3/2015* **Vehicle Used** *Deep Discoverer*

Specimen ID	Collection Time	Type	Scientific Name	Identified By:	Repository			
EX1504L3_20150903T002000_D2_DIVE06_SPEC03BIO	20150903T002000	BIO	Isididae	Chris Kelley	SNMNH			
Lat: <input type="text"/>	Lon: <input type="text"/>	Depth (m): <input type="text"/>	Temp: <input type="text"/>	Sal: <input type="text"/>	Oxy: <input type="text"/>	pH: <input type="text"/>	pH Scale: <input type="text"/>	pCO2: <input type="text"/>
Size Category	<input type="text" value="Medium"/>	WeightInKg	Condition	<input type="text" value="Fair"/>				
Remarks:								
Habitat(s):	<input type="text" value="Rock/Ledges-barren, Soft Substrate/Rubble/Rock"/>			Substrate(s):	<input type="text" value="Bedrock, Boulder, Coarse Sand, Cobble"/>			
Comments:	<input type="text" value="No metadata. This sample was found on ROV after the ROV surfaced."/>							

SubSample: **Vial #:** **Sub Sample Repository:**

Comment