

Cruise ID	EX2107	Dive ID	DIVE05
Dive Location	Deep Mound 2 - Blake Plateau		

Spec I EX2107__D2_DIVE05_SPEC10WAT (EX2107_D05_10W)

Collection Date: 20211102 **Collection Time:** 182500 **Lat and Long** 30.80512 -77.30664

Collection Reason: eDNA **ROV Box Used** Niskin Bottle 2

Phylum: **Field ID**

Preparation **Depth m:** 1416.7 **Temp C** 4.203

Preservative Longmire's Buffer Solution **Salinity:** 34.987 **Oxygen** 8.194

Repository Info: SNMNH **SubSample Repository:** **Bio Rep Num:**

Submersible Videos: EX2107_VID_20211102T182543Z_ROVAFT_BOTTLE.mov;

FrameGrab Images: EX2107_IMG_20211102T182548Z_ROVAFT_BOTTLE.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Spec I EX2107_20211102T174622_D2_DIVE05_SPEC01WAT (EX2107_D05_01W)

Collection Date: 20211102 **Collection Time:** 174622 **Lat and Long** 30.80470 -77.30666

Collection Reason: eDNA **ROV Box Used** Niskin Bottle 1

Phylum: **Field ID**

Preparation **Depth m:** 508.5 **Temp C** 18.335

Preservative Longmire's Buffer Solution **Salinity:** 36.559 **Oxygen** 6.370

Repository Info: SNMNH **SubSample Repository:** **Bio Rep Num:**

Submersible Videos: EX2107_VID_20211102T174601Z_D05_01W_01.mov;

FrameGrab Images: EX2107_IMG_20211102T174614Z_D05_01W_01.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Cruise ID	EX2107	Dive ID	DIVE05
Dive Location	Deep Mound 2 - Blake Plateau		

Spec I EX2107_20211102T182427_D2_DIVE05_SPEC02WAT (EX2107_D05_02W)

Collection Date: 20211102 **Collection Time:** 182427 **Lat and Long** 30.80512 -77.30664

Collection Reason: eDNA **ROV Box Used** Niskin Bottle 3

Phylum: **Field ID**

Preparation **Depth m:** 1416.7 **Temp C** 4.203

Preservative Longmire's Buffer Solution **Salinity:** 34.987 **Oxygen** 8.194

Repository Info: SNMNH **SubSample Repository:** **Bio Rep Num:**

Submersible Videos: EX2107_VID_20211102T182538Z_D05_02W_08.mov;

FrameGrab Images: EX2107_IMG_20211102T182549Z_D05_02W_08.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Cruise ID	EX2107	Dive ID	DIVE05		
Dive Location	Deep Mound 2 - Blake Plateau				
Spec I	EX2107_20211102T184552_D2_DIVE05_SPEC03GEO		(EX2107_D05_03G)		
Collection Date:	20211102	Collection Time:	184552	Lat and Long	30.80510 -77.30666
Collection Reason:	Characteristic of Site		ROV Box Used	Port Forward Rock Box	
Phylum:		Field ID	Rock with associated fauna		
Preparation	Rinsed and Dried		Depth m:	1416.9	Temp C 4.203
Preservative	Rinsed and Dried		Salinity:	34.987	Oxygen 8.231
Repository Info:	OSU	SubSample Repository:		Bio Rep Num:	
Submersible Videos:	EX2107_VID_20211102T183459Z_ROVHD.mov; EX2107_VID_20211102T184000Z_ROVHD.mov; EX2107_VID_20211102T184325Z_D05_03G_02.mov; EX2107_VID_20211102T184329Z_D05_03G_05.mov; EX2107_VID_20211102T184459Z_CPHD.mov; EX2107_VID_20211102T184459Z_ROVHD.mov; EX2107_VID_20211102T184533Z_D05_03G_02.mov; EX2107_VID_20211102T184533Z_D05_03G_04.mov;				
FrameGrab Images:	EX2107_IMG_20211102T183544Z_ROVHD.jpg; EX2107_IMG_20211102T183810Z_ROVHD.jpg; EX2107_IMG_20211102T183907Z_ROVHD.jpg; EX2107_IMG_20211102T184011Z_ROVHD.jpg; EX2107_IMG_20211102T184147Z_ROVHD.jpg; EX2107_IMG_20211102T184223Z_ROVHD.jpg; EX2107_IMG_20211102T184328Z_ROVHD.jpg; EX2107_IMG_20211102T184333Z_D05_03G_05.jpg; EX2107_IMG_20211102T184347Z_D05_03G_02.jpg; EX2107_IMG_20211102T184352Z_ROVHD.jpg; EX2107_IMG_20211102T184407Z_D05_03G_05.jpg; EX2107_IMG_20211102T184431Z_ROVHD.jpg; EX2107_IMG_20211102T184511Z_ROVHD.jpg; EX2107_IMG_20211102T184515Z_CPHD.jpg; EX2107_IMG_20211102T184526Z_ROVHD.jpg; EX2107_IMG_20211102T184537Z_D05_03G_04.jpg; EX2107_IMG_20211102T184538Z_D05_03G_02.jpg;				
Lab Camera Images:					
Microscope Images:					
Microscope Videos:					

Cruise ID	EX2107	Dive ID	DIVE05
Dive Location	Deep Mound 2 - Blake Plateau		

Spec I EX2107_20211102T184552_D2_DIVE05_SPEC03GEO_A01 (EX2107_D05_03G_A01)

Collection Date: 20211102 **Collection Time:** 184552 **Lat and Long** 30.80510 -77.30666

Collection Reason: **ROV Box Used**

Phylum: Porifera **Field ID** Porifera

Preparation 95% analytical EtOH **Depth m:** 1416.9 **Temp C** 4.203

Preservative 95% EtOH **Salinity:** 34.987 **Oxygen** 8.231

Repository Info: SNMNH **SubSample Repository:** SNMNH **Bio Rep Num:**

Submersible Videos:

FrameGrab Images:

Lab Camera Images: EX2107_IMG_20211102T184552Z_SMPWLF_D05_03G_A01_L01.jpg;
EX2107_IMG_20211102T184552Z_SMPWLF_D05_03G_A01_L02.jpg;
EX2107_IMG_20211102T184552Z_SMPWLF_D05_03G_A01_L03.jpg;

Microscope Images:

Microscope Videos:

Cruise ID	EX2107	Dive ID	DIVE05
Dive Location	Deep Mound 2 - Blake Plateau		
Spec I	EX2107_20211102T184552_D2_DIVE05_SPEC03GEO_A02	(EX2107_D05_03G_A02)
Collection Date:	20211102	Collection Time:	184552
	Lat and Long	30.80510	-77.30666
Collection Reason:		ROV Box Used	
Phylum:	Porifera	Field ID	Porifera
Preparation	95% analytical EtOH	Depth m:	1416.9
		Temp C	4.203
Preservative	95% EtOH	Salinity:	34.987
		Oxygen	8.231
Repository Info:	SNMNH	SubSample Repository:	
		Bio Rep Num:	
Submersible Videos:			
FrameGrab Images:			
Lab Camera Images:	EX2107_IMG_20211102T184552Z_SMPWLF_D05_03G_A02_L01.jpg; EX2107_IMG_20211102T184552Z_SMPWLF_D05_03G_A02_L02.jpg; EX2107_IMG_20211102T184552Z_SMPWLF_D05_03G_A02_L03.jpg; EX2107_IMG_20211102T184552Z_SMPWLF_D05_03G_A02_L04.jpg; EX2107_IMG_20211102T184552Z_SMPWLF_D05_03G_A02_L05.jpg; EX2107_IMG_20211102T184552Z_SMPWLF_D05_03G_A02_L06.jpg;		
Microscope Images:			
Microscope Videos:			

Cruise ID	EX2107	Dive ID	DIVE05
Dive Location	Deep Mound 2 - Blake Plateau		

Spec I EX2107_20211102T192024_D2_DIVE05_SPEC04BIO (EX2107_D05_04B)

Collection Date: 20211102 **Collection Time:** 192024 **Lat and Long** 30.80504 -77.30677

Collection Reason: Potential Undescribed Species **ROV Box Used** Port Outboard Bio Box

Phylum: Porifera **Field ID** Bolosominae

Preparation 95% analytical EtOH **Depth m:** 1412.5 **Temp C** 4.202

Preservative 95% EtOH **Salinity:** 34.987 **Oxygen** 8.214

Repository Info: SNMNH **SubSample Repository:** SNMNH **Bio Rep Num:**

Submersible Videos:
 EX2107_VID_20211102T191000Z_ROVHD.mov;
 EX2107_VID_20211102T191454Z_D05_04B_04.mov;
 EX2107_VID_20211102T191457Z_D05_04B_05.mov;
 EX2107_VID_20211102T191459Z_CPHD.mov; EX2107_VID_20211102T191459Z_ROVHD.mov;
 EX2107_VID_20211102T191520Z_D05_04B_02.mov;
 EX2107_VID_20211102T191606Z_D05_04B_04.mov;
 EX2107_VID_20211102T191817Z_D05_04B_02.mov;
 EX2107_VID_20211102T191843Z_D05_04B_05.mov;

FrameGrab Images:
 EX2107_IMG_20211102T191017Z_ROVHD.jpg; EX2107_IMG_20211102T191105Z_ROVHD.jpg;
 EX2107_IMG_20211102T191119Z_ROVHD.jpg; EX2107_IMG_20211102T191221Z_ROVHD.jpg;
 EX2107_IMG_20211102T191406Z_ROVHD.jpg; EX2107_IMG_20211102T191505Z_ROVHD.jpg;
 EX2107_IMG_20211102T191507Z_D05_04B_05.jpg;
 EX2107_IMG_20211102T191519Z_D05_04B_04.jpg;
 EX2107_IMG_20211102T191532Z_D05_04B_02.jpg; EX2107_IMG_20211102T191605Z_CPHD.jpg;
 EX2107_IMG_20211102T191607Z_ROVHD.jpg;
 EX2107_IMG_20211102T191624Z_D05_04B_04.jpg;
 EX2107_IMG_20211102T191830Z_D05_04B_02.jpg;
 EX2107_IMG_20211102T191853Z_D05_04B_05.jpg;
 EX2107_IMG_20211102T192025Z_ROVHD.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Cruise ID	EX2107	Dive ID	DIVE05		
Dive Location	Deep Mound 2 - Blake Plateau				
Spec I	EX2107_20211102T192024_D2_DIVE05_SPEC04BIO_A01		(EX2107_D05_04B_A01)
Collection Date:	20211102	Collection Time:	192024	Lat and Long	30.80504 -77.30677
Collection Reason:		ROV Box Used			
Phylum:	Arthropoda	Field ID	Paguroidea		
Preparation	95% analytical EtOH	Depth m:	1412.5	Temp C	4.202
Preservative	95% EtOH	Salinity:	34.987	Oxygen	8.214
Repository Info:	SNMNH	SubSample Repository:	SNMNH	Bio Rep Num:	
Submersible Videos:					
FrameGrab Images:					
Lab Camera Images:	EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A01_L01.jpg; EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A01_L02.jpg; EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A01_L03.jpg; EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A01_L04.jpg; EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A01_L05.jpg;				
Microscope Images:					
Microscope Videos:					

Cruise ID	EX2107	Dive ID	DIVE05
Dive Location	Deep Mound 2 - Blake Plateau		

Spec I EX2107_20211102T192024_D2_DIVE05_SPEC04BIO_A02 (EX2107_D05_04B_A02)

Collection Date: 20211102 **Collection Time:** 192024 **Lat and Long** 30.80504 -77.30677

Collection Reason: **ROV Box Used**

Phylum: Annelida **Field ID** Polychaeta

Preparation Formalin **Depth m:** 1412.5 **Temp C** 4.202

Preservative 5% Formalin **Salinity:** 34.987 **Oxygen** 8.214

Repository Info: SNMNH **SubSample Repository:** SNMNH **Bio Rep Num:**

Submersible Videos:

FrameGrab Images:

Lab Camera Images: EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A02_L01.jpg;
EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A02_L02.jpg;
EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A02_L03.jpg;
EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A02_L04.jpg;

Microscope Images:

Microscope Videos:

Cruise ID	EX2107	Dive ID	DIVE05		
Dive Location	Deep Mound 2 - Blake Plateau				
Spec I	EX2107_20211102T192024_D2_DIVE05_SPEC04BIO_A03		(EX2107_D05_04B_A03)
Collection Date:	20211102	Collection Time:	192024	Lat and Long	30.80504 -77.30677
Collection Reason:		ROV Box Used			
Phylum:	Arthropoda	Field ID	Amphipoda		
Preparation	95% analytical EtOH	Depth m:	1412.5	Temp C	4.202
Preservative	95% EtOH	Salinity:	34.987	Oxygen	8.214
Repository Info:	SNMNH	SubSample Repository:	SNMNH	Bio Rep Num:	
Submersible Videos:					
FrameGrab Images:					
Lab Camera Images:	EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A03_L01.jpg; EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A03_L02.jpg; EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A03_L03.jpg; EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A03_L04.jpg; EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A03_L05.jpg; EX2107_IMG_20211102T192024Z_SMPWLF_D05_04B_A03_L06.jpg;				
Microscope Images:					
Microscope Videos:					

Cruise ID	EX2107	Dive ID	DIVE05
Dive Location	Deep Mound 2 - Blake Plateau		

Spec I EX2107_20211102T202043_D2_DIVE05_SPEC05BIO (EX2107_D05_05B)

Collection Date: 20211102 **Collection Time:** 202043 **Lat and Long** 30.80488 -77.30737

Collection Reason: New or Unusual Morphotype **ROV Box Used** Port Inboard Bio Box

Phylum: Cnidaria **Field ID** Calibelemnon

Preparation 95% analytical EtOH **Depth m:** 1393.6 **Temp C** 4.199

Preservative 95% EtOH **Salinity:** 34.988 **Oxygen** 8.222

Repository Info: SNMNH **SubSample Repository:** SNMNH **Bio Rep Num:**

Submersible Videos:
 EX2107_VID_20211102T201459Z_ROVHD.mov;
 EX2107_VID_20211102T201904Z_D05_05B_04.mov;
 EX2107_VID_20211102T201912Z_D05_05B_02.mov;
 EX2107_VID_20211102T201915Z_D05_05B_01.mov;
 EX2107_VID_20211102T202000Z_CPHD.mov; EX2107_VID_20211102T202000Z_ROVHD.mov;
 EX2107_VID_20211102T202019Z_D05_05B_04.mov;
 EX2107_VID_20211102T202023Z_D05_05B_02.mov;

FrameGrab Images:
 EX2107_IMG_20211102T201150Z_ROVHD.jpg; EX2107_IMG_20211102T201526Z_ROVHD.jpg;
 EX2107_IMG_20211102T201546Z_ROVHD.jpg; EX2107_IMG_20211102T201643Z_ROVHD.jpg;
 EX2107_IMG_20211102T201905Z_ROVHD.jpg;
 EX2107_IMG_20211102T201917Z_D05_05B_04.jpg;
 EX2107_IMG_20211102T201930Z_D05_05B_02.jpg;
 EX2107_IMG_20211102T201940Z_D05_05B_01.jpg;
 EX2107_IMG_20211102T201942Z_ROVHD.jpg; EX2107_IMG_20211102T202014Z_ROVHD.jpg;
 EX2107_IMG_20211102T202022Z_D05_05B_04.jpg; EX2107_IMG_20211102T202030Z_CPHD.jpg;
 EX2107_IMG_20211102T202033Z_D05_05B_02.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Cruise ID	EX2107	Dive ID	DIVE05		
Dive Location	Deep Mound 2 - Blake Plateau				
Spec I	EX2107_20211102T203007_D2_DIVE05_SPEC06BIO		(EX2107_D05_06B)		
Collection Date:	20211102	Collection Time:	203007	Lat and Long	30.80489 -77.30742
Collection Reason:	Connectivity Study		ROV Box Used	Starboard Outboard Bio Box	
Phylum:	Cnidaria	Field ID	Paramuricea		
Preparation	95% analytical EtOH		Depth m:	1390.9	Temp C 4.200
Preservative	95% EtOH		Salinity:	34.987	Oxygen 8.185
Repository Info:	SNMNH	SubSample Repository:	SNMNH	Bio Rep Num:	
Submersible Videos:	EX2107_VID_20211102T202740Z_D05_06B_02.mov; EX2107_VID_20211102T202745Z_D05_06B_05.mov; EX2107_VID_20211102T202920Z_D05_06B_05.mov; EX2107_VID_20211102T202923Z_D05_06B_02.mov;				
FrameGrab Images:	EX2107_IMG_20211102T202533Z_ROVHD.jpg; EX2107_IMG_20211102T202616Z_ROVHD.jpg; EX2107_IMG_20211102T202719Z_ROVHD.jpg; EX2107_IMG_20211102T202747Z_ROVHD.jpg; EX2107_IMG_20211102T202749Z_D05_06B_02.jpg; EX2107_IMG_20211102T202749Z_D05_06B_05.jpg; EX2107_IMG_20211102T202839Z_ROVHD.jpg; EX2107_IMG_20211102T202928Z_D05_06B_05.jpg; EX2107_IMG_20211102T202936Z_D05_06B_02.jpg;				
Lab Camera Images:					
Microscope Images:					
Microscope Videos:					

Cruise ID	EX2107	Dive ID	DIVE05
Dive Location	Deep Mound 2 - Blake Plateau		

Spec I EX2107_20211102T203007_D2_DIVE05_SPEC06BIO_A01 (EX2107_D05_06B_A01)

Collection Date: 20211102 **Collection Time:** 203007 **Lat and Long** 30.80489 -77.30742

Collection Reason: **ROV Box Used**

Phylum: Echinodermata **Field ID** Asteroschema

Preparation 95% analytical EtOH **Depth m:** 1390.9 **Temp C** 4.200

Preservative 95% EtOH **Salinity:** 34.987 **Oxygen** 8.185

Repository Info: SNMNH **SubSample Repository:** SNMNH **Bio Rep Num:**

Submersible Videos:

FrameGrab Images:

Lab Camera Images:

Microscope Images:

Microscope Videos:

Spec I EX2107_20211102T203447_D2_DIVE05_SPEC07WAT (EX2107_D05_07W)

Collection Date: 20211102 **Collection Time:** 203447 **Lat and Long** 30.80480 -77.30753

Collection Reason: eDNA **ROV Box Used** Niskin Bottle 4

Phylum: **Field ID**

Preparation **Depth m:** 1386.7 **Temp C** 4.199

Preservative Longmire's Buffer Solution **Salinity:** 34.989 **Oxygen** 8.177

Repository Info: SNMNH **SubSample Repository:** **Bio Rep Num:**

Submersible Videos: EX2107_VID_20211102T203422Z_D05_07W_08.mov;

FrameGrab Images: EX2107_IMG_20211102T203429Z_D05_07W_08.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Cruise ID	EX2107	Dive ID	DIVE05
Dive Location	Deep Mound 2 - Blake Plateau		

Spec I EX2107_20211102T205026_D2_DIVE05_SPEC08BIO (EX2107_D05_08B)

Collection Date: 20211102 **Collection Time:** 205026 **Lat and Long** 30.80481 -77.30754

Collection Reason: Potential Undescribed Species **ROV Box Used** Port Inboard Bio Box

Phylum: Echinodermata **Field ID** Mediaster

Preparation 95% analytical EtOH **Depth m:** 1385.7 **Temp C** 4.200

Preservative 95% EtOH **Salinity:** 34.988 **Oxygen** 8.212

Repository Info: SNMNH **SubSample Repository:** SNMNH **Bio Rep Num:**

Submersible Videos:
EX2107_VID_20211102T204000Z_ROVHD.mov;
EX2107_VID_20211102T204333Z_D05_08B_02.mov;
EX2107_VID_20211102T204459Z_CPHD.mov; EX2107_VID_20211102T204459Z_ROVHD.mov;
EX2107_VID_20211102T204833Z_D05_08B_05.mov;

FrameGrab Images:
EX2107_IMG_20211102T204118Z_ROVHD.jpg; EX2107_IMG_20211102T204141Z_ROVHD.jpg;
EX2107_IMG_20211102T204401Z_ROVHD.jpg;
EX2107_IMG_20211102T204403Z_D05_08B_02.jpg; EX2107_IMG_20211102T204608Z_CPHD.jpg;
EX2107_IMG_20211102T204644Z_ROVHD.jpg;
EX2107_IMG_20211102T204706Z_D05_08B_02.jpg;
EX2107_IMG_20211102T204738Z_D05_08B_02.jpg;
EX2107_IMG_20211102T204853Z_D05_08B_05.jpg;
EX2107_IMG_20211102T204932Z_D05_08B_05.jpg;
EX2107_IMG_20211102T205006Z_D05_08B_05.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Cruise ID	EX2107	Dive ID	DIVE05		
Dive Location	Deep Mound 2 - Blake Plateau				
Spec I	EX2107_20211102T213046_D2_DIVE05_SPEC09WAT		(EX2107_D05_09W)		
Collection Date:	20211102	Collection Time:	213046	Lat and Long	30.80423 -77.30846
Collection Reason:	eDNA		ROV Box Used	Niskin Bottle 5	
Phylum:		Field ID			
Preparation			Depth m:	1355.1	Temp C 4.197
Preservative	Longmire's Buffer Solution		Salinity:	34.987	Oxygen 8.211
Repository Info:	SNMNH	SubSample Repository:			Bio Rep Num:
Submersible Videos:	EX2107_VID_20211102T213020Z_D05_09W_08.mov;				
FrameGrab Images:	EX2107_IMG_20211102T213033Z_D05_09W_08.jpg;				
Lab Camera Images:					
Microscope Images:					
Microscope Videos:					