

**INTERIM RECEIVING WATERS MONITORING AND  
ASSESSMENT REPORT FOR THE POINT LOMA  
AND SOUTH BAY OCEAN OUTFALLS**

**2020**

**ADDENDA 1-2**

**POINT LOMA WASTEWATER TREATMENT PLANT**  
(ORDER No. R9-2017-0007; NPDES No. CA0107409)

**SOUTH BAY WATER RECLAMATION PLANT**  
(ORDER No. R9-2013-0006 AS AMENDED; NPDES No. CA0109045)

**SOUTH BAY INTERNATIONAL WASTEWATER TREATMENT PLANT**  
(ORDER No. R9-2014-0009 AS AMENDED; NPDES No. CA0108928)



**Addendum 1**  
**Visual Observations**  
**2020**  
**Benthic, Trawl, and Rig Fishing Stations**



## Addendum 1-1A

Visual observations from PLOO benthic stations sampled during 2020.

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	B9	21-Jan-20	BENTHIC REG	ARRIVE TIME	926		
PLOO	B9	21-Jan-20	BENTHIC REG	DEPTH METER	98		m
PLOO	B9	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	B9	21-Jan-20	BENTHIC REG	STN LONG MIN	21.677		
PLOO	B9	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	B9	21-Jan-20	BENTHIC REG	STN LAT MIN	45.369		
PLOO	B9	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	B9	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	B9	21-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	B9	21-Jan-20	BENTHIC REG	WIND SPEED	8		kts
PLOO	B9	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	B9	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	B9	21-Jan-20	BENTHIC REG	WIND DIR		E	
PLOO	B9	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	B9	21-Jan-20	BENTHIC REG	AIR TEMP	13		C
PLOO	B9	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay	
PLOO	B9	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	B9	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	13		cm
PLOO	B9	21-Jan-20	BENTHIC REG	DEPART TIME	934		
PLOO	B9	21-Jan-20	BENTHIC REG	COMMENTS			
PLOO	B12	21-Jan-20	BENTHIC REG	ARRIVE TIME	905		
PLOO	B12	21-Jan-20	BENTHIC REG	DEPTH METER	97		m
PLOO	B12	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	B12	21-Jan-20	BENTHIC REG	STN LONG MIN	22.304		
PLOO	B12	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	B12	21-Jan-20	BENTHIC REG	STN LAT MIN	46.361		
PLOO	B12	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	B12	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	B12	21-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	B12	21-Jan-20	BENTHIC REG	WIND SPEED	7		kts
PLOO	B12	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	B12	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	B12	21-Jan-20	BENTHIC REG	WIND DIR		NE	
PLOO	B12	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	B12	21-Jan-20	BENTHIC REG	AIR TEMP	13		C
PLOO	B12	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand	
PLOO	B12	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	B12	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	8		cm
PLOO	B12	21-Jan-20	BENTHIC REG	DEPART TIME	914		
PLOO	B12	21-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E1	21-Jan-20	BENTHIC REG	ARRIVE TIME	1300		
PLOO	E1	21-Jan-20	BENTHIC REG	DEPTH METER	86		m
PLOO	E1	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E1	21-Jan-20	BENTHIC REG	STN LONG MIN	18.343		

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E1	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E1	21-Jan-20	BENTHIC REG	STN LAT MIN	37.532		
PLOO	E1	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E1	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E1	21-Jan-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E1	21-Jan-20	BENTHIC REG	WIND SPEED	7		kts
PLOO	E1	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E1	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E1	21-Jan-20	BENTHIC REG	WIND DIR		S	
PLOO	E1	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E1	21-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	E1	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay	
PLOO	E1	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E1	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	7		cm
PLOO	E1	21-Jan-20	BENTHIC REG	DEPART TIME	1316		
PLOO	E1	21-Jan-20	BENTHIC REG	COMMENTS		Grab failure due to < 5 cm Penetration	
PLOO	E2	21-Jan-20	BENTHIC REG	ARRIVE TIME	1221		
PLOO	E2	21-Jan-20	BENTHIC REG	DEPTH METER	96		m
PLOO	E2	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E2	21-Jan-20	BENTHIC REG	STN LONG MIN	19.072		
PLOO	E2	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E2	21-Jan-20	BENTHIC REG	STN LAT MIN	37.463		
PLOO	E2	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E2	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E2	21-Jan-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E2	21-Jan-20	BENTHIC REG	WIND SPEED	3		kts
PLOO	E2	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E2	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E2	21-Jan-20	BENTHIC REG	WIND DIR		SE	
PLOO	E2	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E2	21-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	E2	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay with Fine sand	
PLOO	E2	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E2	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	10		cm
PLOO	E2	21-Jan-20	BENTHIC REG	DEPART TIME	1230		
PLOO	E2	21-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E3	21-Jan-20	BENTHIC REG	ARRIVE TIME	1239		
PLOO	E3	21-Jan-20	BENTHIC REG	DEPTH METER	109		m
PLOO	E3	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E3	21-Jan-20	BENTHIC REG	STN LONG MIN	20.075		
PLOO	E3	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E3	21-Jan-20	BENTHIC REG	STN LAT MIN	37.29		
PLOO	E3	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E3	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E3	21-Jan-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E3	21-Jan-20	BENTHIC REG	WIND SPEED	5		kts
PLOO	E3	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E3	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E3	21-Jan-20	BENTHIC REG	WIND DIR		S	
PLOO	E3	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E3	21-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	E3	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay with Sand	
PLOO	E3	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E3	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	6		cm
PLOO	E3	21-Jan-20	BENTHIC REG	DEPART TIME	1249		
PLOO	E3	21-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E5	21-Jan-20	BENTHIC REG	ARRIVE TIME	1203		
PLOO	E5	21-Jan-20	BENTHIC REG	DEPTH METER	96		m
PLOO	E5	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E5	21-Jan-20	BENTHIC REG	STN LONG MIN	19.257		
PLOO	E5	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E5	21-Jan-20	BENTHIC REG	STN LAT MIN	38.383		
PLOO	E5	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E5	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E5	21-Jan-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E5	21-Jan-20	BENTHIC REG	WIND SPEED	5		kts
PLOO	E5	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E5	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E5	21-Jan-20	BENTHIC REG	WIND DIR		SE	
PLOO	E5	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E5	21-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	E5	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay	
PLOO	E5	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E5	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	8		cm
PLOO	E5	21-Jan-20	BENTHIC REG	DEPART TIME	1211		
PLOO	E5	21-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E8	21-Jan-20	BENTHIC REG	ARRIVE TIME	1149		
PLOO	E8	21-Jan-20	BENTHIC REG	DEPTH METER	95		m
PLOO	E8	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E8	21-Jan-20	BENTHIC REG	STN LONG MIN	19.314		
PLOO	E8	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E8	21-Jan-20	BENTHIC REG	STN LAT MIN	38.925		
PLOO	E8	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E8	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E8	21-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E8	21-Jan-20	BENTHIC REG	WIND SPEED	5		kts
PLOO	E8	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E8	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E8	21-Jan-20	BENTHIC REG	WIND DIR		SE	
PLOO	E8	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E8	21-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	E8	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay with Fine sand	
PLOO	E8	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E8	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	9		cm
PLOO	E8	21-Jan-20	BENTHIC REG	DEPART TIME	1157		
PLOO	E8	21-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E11	21-Jan-20	BENTHIC REG	ARRIVE TIME	1133		
PLOO	E11	21-Jan-20	BENTHIC REG	DEPTH METER	95		m
PLOO	E11	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E11	21-Jan-20	BENTHIC REG	STN LONG MIN	19.388		
PLOO	E11	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E11	21-Jan-20	BENTHIC REG	STN LAT MIN	39.391		
PLOO	E11	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E11	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E11	21-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E11	21-Jan-20	BENTHIC REG	WIND SPEED	3		kts
PLOO	E11	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E11	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E11	21-Jan-20	BENTHIC REG	WIND DIR		E	
PLOO	E11	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E11	21-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	E11	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay	
PLOO	E11	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E11	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	7		cm
PLOO	E11	21-Jan-20	BENTHIC REG	DEPART TIME	1141		
PLOO	E11	21-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E14	21-Jan-20	BENTHIC REG	ARRIVE TIME	1115		
PLOO	E14	21-Jan-20	BENTHIC REG	DEPTH METER	97		m
PLOO	E14	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E14	21-Jan-20	BENTHIC REG	STN LONG MIN	19.485		
PLOO	E14	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E14	21-Jan-20	BENTHIC REG	STN LAT MIN	39.935		
PLOO	E14	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E14	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E14	21-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E14	21-Jan-20	BENTHIC REG	WIND SPEED	4		kts
PLOO	E14	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E14	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E14	21-Jan-20	BENTHIC REG	WIND DIR		E	
PLOO	E14	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E14	21-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	E14	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt with Gravel	



## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E14	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E14	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	7		cm
PLOO	E14	21-Jan-20	BENTHIC REG	DEPART TIME	1126		
PLOO	E14	21-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E17	21-Jan-20	BENTHIC REG	ARRIVE TIME	1102		
PLOO	E17	21-Jan-20	BENTHIC REG	DEPTH METER	96		m
PLOO	E17	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E17	21-Jan-20	BENTHIC REG	STN LONG MIN	19.517		
PLOO	E17	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E17	21-Jan-20	BENTHIC REG	STN LAT MIN	40.491		
PLOO	E17	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E17	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E17	21-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E17	21-Jan-20	BENTHIC REG	WIND SPEED	1		kts
PLOO	E17	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E17	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E17	21-Jan-20	BENTHIC REG	WIND DIR		E	
PLOO	E17	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E17	21-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	E17	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay	
PLOO	E17	21-Jan-20	BENTHIC REG	SED_TEMP(1)	13		
PLOO	E17	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	7		cm
PLOO	E17	21-Jan-20	BENTHIC REG	DEPART TIME	1108		
PLOO	E17	21-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E20	21-Jan-20	BENTHIC REG	ARRIVE TIME	1048		
PLOO	E20	21-Jan-20	BENTHIC REG	DEPTH METER	97		m
PLOO	E20	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E20	21-Jan-20	BENTHIC REG	STN LONG MIN	19.655		
PLOO	E20	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E20	21-Jan-20	BENTHIC REG	STN LAT MIN	40.969		
PLOO	E20	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E20	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E20	21-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E20	21-Jan-20	BENTHIC REG	WIND SPEED	6		kts
PLOO	E20	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E20	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E20	21-Jan-20	BENTHIC REG	WIND DIR		E	
PLOO	E20	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E20	21-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	E20	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay	
PLOO	E20	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E20	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	6		cm
PLOO	E20	21-Jan-20	BENTHIC REG	DEPART TIME	1055		
PLOO	E20	21-Jan-20	BENTHIC REG	COMMENTS			

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E23	21-Jan-20	BENTHIC REG	ARRIVE TIME	1031		
PLOO	E23	21-Jan-20	BENTHIC REG	DEPTH METER	96		m
PLOO	E23	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E23	21-Jan-20	BENTHIC REG	STN LONG MIN	19.723		
PLOO	E23	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E23	21-Jan-20	BENTHIC REG	STN LAT MIN	41.462		
PLOO	E23	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E23	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E23	21-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E23	21-Jan-20	BENTHIC REG	WIND SPEED	2		kts
PLOO	E23	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E23	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E23	21-Jan-20	BENTHIC REG	WIND DIR		NE	
PLOO	E23	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E23	21-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	E23	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay	
PLOO	E23	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E23	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	8		cm
PLOO	E23	21-Jan-20	BENTHIC REG	DEPART TIME	1039		
PLOO	E23	21-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E25	21-Jan-20	BENTHIC REG	ARRIVE TIME	1013		
PLOO	E25	21-Jan-20	BENTHIC REG	DEPTH METER	98		m
PLOO	E25	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E25	21-Jan-20	BENTHIC REG	STN LONG MIN	20.039		
PLOO	E25	21-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E25	21-Jan-20	BENTHIC REG	STN LAT MIN	42.384		
PLOO	E25	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E25	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E25	21-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E25	21-Jan-20	BENTHIC REG	WIND SPEED	4		kts
PLOO	E25	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E25	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E25	21-Jan-20	BENTHIC REG	WIND DIR		NE	
PLOO	E25	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E25	21-Jan-20	BENTHIC REG	AIR TEMP	13		C
PLOO	E25	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	E25	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E25	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	9		cm
PLOO	E25	21-Jan-20	BENTHIC REG	DEPART TIME	1022		
PLOO	E25	21-Jan-20	BENTHIC REG	COMMENTS		1x tuna crab	
PLOO	E26	21-Jan-20	BENTHIC REG	ARRIVE TIME	948		
PLOO	E26	21-Jan-20	BENTHIC REG	DEPTH METER	97		m
PLOO	E26	21-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E26	21-Jan-20	BENTHIC REG	STN LONG MIN	20.533		
PLOO	E26	21-Jan-20	BENTHIC REG	STN LAT DEG	32		

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E26	21-Jan-20	BENTHIC REG	STN LAT MIN	43.831		
PLOO	E26	21-Jan-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E26	21-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E26	21-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E26	21-Jan-20	BENTHIC REG	WIND SPEED	5		kts
PLOO	E26	21-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E26	21-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E26	21-Jan-20	BENTHIC REG	WIND DIR		NE	
PLOO	E26	21-Jan-20	BENTHIC REG	VISIBILITY	20		mi
PLOO	E26	21-Jan-20	BENTHIC REG	AIR TEMP	13		C
PLOO	E26	21-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	E26	21-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E26	21-Jan-20	BENTHIC REG	SED_DEPTH(1)	9		cm
PLOO	E26	21-Jan-20	BENTHIC REG	DEPART TIME	956		
PLOO	E26	21-Jan-20	BENTHIC REG	COMMENTS			
PLOO	B8	23-Jan-20	BENTHIC REG	ARRIVE TIME	826		
PLOO	B8	23-Jan-20	BENTHIC REG	DEPTH METER	89		m
PLOO	B8	23-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	B8	23-Jan-20	BENTHIC REG	STN LONG MIN	20.756		
PLOO	B8	23-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	B8	23-Jan-20	BENTHIC REG	STN LAT MIN	45.502		
PLOO	B8	23-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
PLOO	B8	23-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	B8	23-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	B8	23-Jan-20	BENTHIC REG	WIND SPEED	1		kts
PLOO	B8	23-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	B8	23-Jan-20	BENTHIC REG	WEATHER DESC		Haze	
PLOO	B8	23-Jan-20	BENTHIC REG	WIND DIR		NW	
PLOO	B8	23-Jan-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	B8	23-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	B8	23-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	B8	23-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	B8	23-Jan-20	BENTHIC REG	SED_DEPTH(1)	15		cm
PLOO	B8	23-Jan-20	BENTHIC REG	DEPART TIME	831		
PLOO	B8	23-Jan-20	BENTHIC REG	COMMENTS			
PLOO	B10	23-Jan-20	BENTHIC REG	ARRIVE TIME	951		
PLOO	B10	23-Jan-20	BENTHIC REG	DEPTH METER	117		m
PLOO	B10	23-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	B10	23-Jan-20	BENTHIC REG	STN LONG MIN	22.153		
PLOO	B10	23-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	B10	23-Jan-20	BENTHIC REG	STN LAT MIN	45.23		
PLOO	B10	23-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
PLOO	B10	23-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	B10	23-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	B10	23-Jan-20	BENTHIC REG	WIND SPEED	4		kts

**Addendum 1-1A** *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	B10	23-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	B10	23-Jan-20	BENTHIC REG	WEATHER DESC		Haze	
PLOO	B10	23-Jan-20	BENTHIC REG	WIND DIR		NW	
PLOO	B10	23-Jan-20	BENTHIC REG	VISIBILITY	13		mi
PLOO	B10	23-Jan-20	BENTHIC REG	AIR TEMP	15		C
PLOO	B10	23-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	B10	23-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	B10	23-Jan-20	BENTHIC REG	SED_DEPTH(1)	7		cm
PLOO	B10	23-Jan-20	BENTHIC REG	DEPART TIME	959		
PLOO	B10	23-Jan-20	BENTHIC REG	COMMENTS			
PLOO	B11	23-Jan-20	BENTHIC REG	ARRIVE TIME	845		
PLOO	B11	23-Jan-20	BENTHIC REG	DEPTH METER	88		m
PLOO	B11	23-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	B11	23-Jan-20	BENTHIC REG	STN LONG MIN	21.342		
PLOO	B11	23-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	B11	23-Jan-20	BENTHIC REG	STN LAT MIN	46.558		
PLOO	B11	23-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
PLOO	B11	23-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	B11	23-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	B11	23-Jan-20	BENTHIC REG	WIND SPEED	3		kts
PLOO	B11	23-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	B11	23-Jan-20	BENTHIC REG	WEATHER DESC		Haze	
PLOO	B11	23-Jan-20	BENTHIC REG	WIND DIR		W	
PLOO	B11	23-Jan-20	BENTHIC REG	VISIBILITY	13		mi
PLOO	B11	23-Jan-20	BENTHIC REG	AIR TEMP	14		C
PLOO	B11	23-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt with Fine sand	
PLOO	B11	23-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	B11	23-Jan-20	BENTHIC REG	SED_DEPTH(1)	12		cm
PLOO	B11	23-Jan-20	BENTHIC REG	DEPART TIME	936		
PLOO	B11	23-Jan-20	BENTHIC REG	COMMENTS		Grab failure due to < 5 cm Penetration	
PLOO	E7	23-Jan-20	BENTHIC REG	ARRIVE TIME	1135		
PLOO	E7	23-Jan-20	BENTHIC REG	DEPTH METER	88		m
PLOO	E7	23-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E7	23-Jan-20	BENTHIC REG	STN LONG MIN	18.629		
PLOO	E7	23-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E7	23-Jan-20	BENTHIC REG	STN LAT MIN	38.956		
PLOO	E7	23-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
PLOO	E7	23-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	E7	23-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E7	23-Jan-20	BENTHIC REG	WIND SPEED	7		kts
PLOO	E7	23-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E7	23-Jan-20	BENTHIC REG	WEATHER DESC		Haze	
PLOO	E7	23-Jan-20	BENTHIC REG	WIND DIR		SW	
PLOO	E7	23-Jan-20	BENTHIC REG	VISIBILITY	18		mi

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E7	23-Jan-20	BENTHIC REG	AIR TEMP	15		C
PLOO	E7	23-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay with Silt	
PLOO	E7	23-Jan-20	BENTHIC REG	SED_TEMP(1)	13		
PLOO	E7	23-Jan-20	BENTHIC REG	SED_DEPTH(1)	11		cm
PLOO	E7	23-Jan-20	BENTHIC REG	DEPART TIME	1140		
PLOO	E7	23-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E9	23-Jan-20	BENTHIC REG	ARRIVE TIME	1115		
PLOO	E9	23-Jan-20	BENTHIC REG	DEPTH METER	113		m
PLOO	E9	23-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E9	23-Jan-20	BENTHIC REG	STN LONG MIN	20.055		
PLOO	E9	23-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E9	23-Jan-20	BENTHIC REG	STN LAT MIN	38.728		
PLOO	E9	23-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
PLOO	E9	23-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	E9	23-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E9	23-Jan-20	BENTHIC REG	WIND SPEED	8		kts
PLOO	E9	23-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E9	23-Jan-20	BENTHIC REG	WEATHER DESC		Haze	
PLOO	E9	23-Jan-20	BENTHIC REG	WIND DIR		W	
PLOO	E9	23-Jan-20	BENTHIC REG	VISIBILITY	18		mi
PLOO	E9	23-Jan-20	BENTHIC REG	AIR TEMP	15		C
PLOO	E9	23-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt with Sand	
PLOO	E9	23-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E9	23-Jan-20	BENTHIC REG	SED_DEPTH(1)	10		cm
PLOO	E9	23-Jan-20	BENTHIC REG	DEPART TIME	1120		
PLOO	E9	23-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E15	23-Jan-20	BENTHIC REG	ARRIVE TIME	1054		
PLOO	E15	23-Jan-20	BENTHIC REG	DEPTH METER	111		m
PLOO	E15	23-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E15	23-Jan-20	BENTHIC REG	STN LONG MIN	19.907		
PLOO	E15	23-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E15	23-Jan-20	BENTHIC REG	STN LAT MIN	39.875		
PLOO	E15	23-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
PLOO	E15	23-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	E15	23-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E15	23-Jan-20	BENTHIC REG	WIND SPEED	6		kts
PLOO	E15	23-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E15	23-Jan-20	BENTHIC REG	WEATHER DESC		Haze	
PLOO	E15	23-Jan-20	BENTHIC REG	WIND DIR		W	
PLOO	E15	23-Jan-20	BENTHIC REG	VISIBILITY	16		mi
PLOO	E15	23-Jan-20	BENTHIC REG	AIR TEMP	15		C
PLOO	E15	23-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	E15	23-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E15	23-Jan-20	BENTHIC REG	SED_DEPTH(1)	6		cm
PLOO	E15	23-Jan-20	BENTHIC REG	DEPART TIME	1101		

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E15	23-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E19	23-Jan-20	BENTHIC REG	ARRIVE TIME	1036		
PLOO	E19	23-Jan-20	BENTHIC REG	DEPTH METER	89		m
PLOO	E19	23-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E19	23-Jan-20	BENTHIC REG	STN LONG MIN	19.183		
PLOO	E19	23-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E19	23-Jan-20	BENTHIC REG	STN LAT MIN	41.021		
PLOO	E19	23-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
PLOO	E19	23-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	E19	23-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E19	23-Jan-20	BENTHIC REG	WIND SPEED	6		kts
PLOO	E19	23-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E19	23-Jan-20	BENTHIC REG	WEATHER DESC		Haze	
PLOO	E19	23-Jan-20	BENTHIC REG	WIND DIR		W	
PLOO	E19	23-Jan-20	BENTHIC REG	VISIBILITY	16		mi
PLOO	E19	23-Jan-20	BENTHIC REG	AIR TEMP	15		C
PLOO	E19	23-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	E19	23-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E19	23-Jan-20	BENTHIC REG	SED_DEPTH(1)	6		cm
PLOO	E19	23-Jan-20	BENTHIC REG	DEPART TIME	1042		
PLOO	E19	23-Jan-20	BENTHIC REG	COMMENTS			
PLOO	E21	23-Jan-20	BENTHIC REG	ARRIVE TIME	1021		
PLOO	E21	23-Jan-20	BENTHIC REG	DEPTH METER	116		m
PLOO	E21	23-Jan-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E21	23-Jan-20	BENTHIC REG	STN LONG MIN	19.993		
PLOO	E21	23-Jan-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E21	23-Jan-20	BENTHIC REG	STN LAT MIN	40.87		
PLOO	E21	23-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
PLOO	E21	23-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	E21	23-Jan-20	BENTHIC REG	SEA STATE		Choppy	
PLOO	E21	23-Jan-20	BENTHIC REG	WIND SPEED	4		kts
PLOO	E21	23-Jan-20	BENTHIC REG	WATER COLOR CODE		Blue	
PLOO	E21	23-Jan-20	BENTHIC REG	WEATHER DESC		Haze	
PLOO	E21	23-Jan-20	BENTHIC REG	WIND DIR		W	
PLOO	E21	23-Jan-20	BENTHIC REG	VISIBILITY	16		mi
PLOO	E21	23-Jan-20	BENTHIC REG	AIR TEMP	15		C
PLOO	E21	23-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	E21	23-Jan-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E21	23-Jan-20	BENTHIC REG	SED_DEPTH(1)	6		cm
PLOO	E21	23-Jan-20	BENTHIC REG	DEPART TIME	1027		
PLOO	E21	23-Jan-20	BENTHIC REG	COMMENTS			
PLOO	B10	15-Jul-20	BENTHIC REG	ARRIVE TIME	934		
PLOO	B10	15-Jul-20	BENTHIC REG	DEPTH METER	120		m
PLOO	B10	15-Jul-20	BENTHIC REG	STN LONG DEG	117		

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	B10	15-Jul-20	BENTHIC REG	STN LONG MIN	22.198		
PLOO	B10	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	B10	15-Jul-20	BENTHIC REG	STN LAT MIN	45.229		
PLOO	B10	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	B10	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	B10	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	B10	15-Jul-20	BENTHIC REG	WIND SPEED	4		kts
PLOO	B10	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	B10	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	B10	15-Jul-20	BENTHIC REG	WIND DIR		S	
PLOO	B10	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	B10	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	B10	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
PLOO	B10	15-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
PLOO	B10	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
PLOO	B10	15-Jul-20	BENTHIC REG	DEPART TIME	948		
PLOO	B10	15-Jul-20	BENTHIC REG	COMMENTS			
PLOO	B11	15-Jul-20	BENTHIC REG	ARRIVE TIME	843		
PLOO	B11	15-Jul-20	BENTHIC REG	DEPTH METER	88		m
PLOO	B11	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	B11	15-Jul-20	BENTHIC REG	STN LONG MIN	21.353		
PLOO	B11	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	B11	15-Jul-20	BENTHIC REG	STN LAT MIN	46.561		
PLOO	B11	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	B11	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	B11	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	B11	15-Jul-20	BENTHIC REG	WIND SPEED	1		kts
PLOO	B11	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	B11	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	B11	15-Jul-20	BENTHIC REG	WIND DIR		S	
PLOO	B11	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	B11	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	B11	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand with Gravel	
PLOO	B11	15-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	B11	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
PLOO	B11	15-Jul-20	BENTHIC REG	DEPART TIME	911		
PLOO	B11	15-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Rocks/gravel	
PLOO	B12	15-Jul-20	BENTHIC REG	ARRIVE TIME	915		
PLOO	B12	15-Jul-20	BENTHIC REG	DEPTH METER	97		m
PLOO	B12	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	B12	15-Jul-20	BENTHIC REG	STN LONG MIN	22.339		
PLOO	B12	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	B12	15-Jul-20	BENTHIC REG	STN LAT MIN	46.349		
PLOO	B12	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec



## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	B12	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	B12	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	B12	15-Jul-20	BENTHIC REG	WIND SPEED	2		kts
PLOO	B12	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	B12	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	B12	15-Jul-20	BENTHIC REG	WIND DIR		SE	
PLOO	B12	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	B12	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	B12	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Sand	
PLOO	B12	15-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	B12	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
PLOO	B12	15-Jul-20	BENTHIC REG	DEPART TIME	930		
PLOO	B12	15-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E11	15-Jul-20	BENTHIC REG	ARRIVE TIME	1330		
PLOO	E11	15-Jul-20	BENTHIC REG	DEPTH METER	98		m
PLOO	E11	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E11	15-Jul-20	BENTHIC REG	STN LONG MIN	19.462		
PLOO	E11	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E11	15-Jul-20	BENTHIC REG	STN LAT MIN	39.401		
PLOO	E11	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E11	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E11	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E11	15-Jul-20	BENTHIC REG	WIND SPEED	11		kts
PLOO	E11	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	E11	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	E11	15-Jul-20	BENTHIC REG	WIND DIR		S	
PLOO	E11	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	E11	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E11	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
PLOO	E11	15-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
PLOO	E11	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
PLOO	E11	15-Jul-20	BENTHIC REG	DEPART TIME	1341		
PLOO	E11	15-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E14	15-Jul-20	BENTHIC REG	ARRIVE TIME	1255		
PLOO	E14	15-Jul-20	BENTHIC REG	DEPTH METER	98		m
PLOO	E14	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E14	15-Jul-20	BENTHIC REG	STN LONG MIN	19.531		
PLOO	E14	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E14	15-Jul-20	BENTHIC REG	STN LAT MIN	39.958		
PLOO	E14	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E14	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E14	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E14	15-Jul-20	BENTHIC REG	WIND SPEED	12		kts
PLOO	E14	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	E14	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	



## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E14	15-Jul-20	BENTHIC REG	WIND DIR		SE	
PLOO	E14	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	E14	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E14	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
PLOO	E14	15-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
PLOO	E14	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
PLOO	E14	15-Jul-20	BENTHIC REG	DEPART TIME	1313		
PLOO	E14	15-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E15	15-Jul-20	BENTHIC REG	ARRIVE TIME	1315		
PLOO	E15	15-Jul-20	BENTHIC REG	DEPTH METER	114		m
PLOO	E15	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E15	15-Jul-20	BENTHIC REG	STN LONG MIN	19.939		
PLOO	E15	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E15	15-Jul-20	BENTHIC REG	STN LAT MIN	39.914		
PLOO	E15	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E15	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E15	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E15	15-Jul-20	BENTHIC REG	WIND SPEED	9		kts
PLOO	E15	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	E15	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	E15	15-Jul-20	BENTHIC REG	WIND DIR		SW	
PLOO	E15	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	E15	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E15	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
PLOO	E15	15-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
PLOO	E15	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
PLOO	E15	15-Jul-20	BENTHIC REG	DEPART TIME	1324		
PLOO	E15	15-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E17	15-Jul-20	BENTHIC REG	ARRIVE TIME	1241		
PLOO	E17	15-Jul-20	BENTHIC REG	DEPTH METER	98		m
PLOO	E17	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E17	15-Jul-20	BENTHIC REG	STN LONG MIN	19.583		
PLOO	E17	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E17	15-Jul-20	BENTHIC REG	STN LAT MIN	40.482		
PLOO	E17	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E17	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E17	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E17	15-Jul-20	BENTHIC REG	WIND SPEED	6		kts
PLOO	E17	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	E17	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	E17	15-Jul-20	BENTHIC REG	WIND DIR		S	
PLOO	E17	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	E17	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E17	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
PLOO	E17	15-Jul-20	BENTHIC REG	SED_TEMP(1)	11		

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E17	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
PLOO	E17	15-Jul-20	BENTHIC REG	DEPART TIME	1250		
PLOO	E17	15-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E19	15-Jul-20	BENTHIC REG	ARRIVE TIME	1136		
PLOO	E19	15-Jul-20	BENTHIC REG	DEPTH METER	89		m
PLOO	E19	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E19	15-Jul-20	BENTHIC REG	STN LONG MIN	19.237		
PLOO	E19	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E19	15-Jul-20	BENTHIC REG	STN LAT MIN	41.052		
PLOO	E19	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E19	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E19	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E19	15-Jul-20	BENTHIC REG	WIND SPEED	7		kts
PLOO	E19	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	E19	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	E19	15-Jul-20	BENTHIC REG	WIND DIR		S	
PLOO	E19	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	E19	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E19	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
PLOO	E19	15-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E19	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
PLOO	E19	15-Jul-20	BENTHIC REG	DEPART TIME	1152		
PLOO	E19	15-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E20	15-Jul-20	BENTHIC REG	ARRIVE TIME	1153		
PLOO	E20	15-Jul-20	BENTHIC REG	DEPTH METER	98		m
PLOO	E20	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E20	15-Jul-20	BENTHIC REG	STN LONG MIN	19.678		
PLOO	E20	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E20	15-Jul-20	BENTHIC REG	STN LAT MIN	40.951		
PLOO	E20	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E20	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E20	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E20	15-Jul-20	BENTHIC REG	WIND SPEED	8		kts
PLOO	E20	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	E20	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	E20	15-Jul-20	BENTHIC REG	WIND DIR		S	
PLOO	E20	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	E20	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E20	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
PLOO	E20	15-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	E20	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	5		cm
PLOO	E20	15-Jul-20	BENTHIC REG	DEPART TIME	1212		
PLOO	E20	15-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Flipped	
PLOO	E21	15-Jul-20	BENTHIC REG	ARRIVE TIME	1227		

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E21	15-Jul-20	BENTHIC REG	DEPTH METER	118		m
PLOO	E21	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E21	15-Jul-20	BENTHIC REG	STN LONG MIN	20.041		
PLOO	E21	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E21	15-Jul-20	BENTHIC REG	STN LAT MIN	40.893		
PLOO	E21	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E21	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E21	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E21	15-Jul-20	BENTHIC REG	WIND SPEED	8		kts
PLOO	E21	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	E21	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	E21	15-Jul-20	BENTHIC REG	WIND DIR		S	
PLOO	E21	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	E21	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E21	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
PLOO	E21	15-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E21	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
PLOO	E21	15-Jul-20	BENTHIC REG	DEPART TIME	1238		
PLOO	E21	15-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E23	15-Jul-20	BENTHIC REG	ARRIVE TIME	1110		
PLOO	E23	15-Jul-20	BENTHIC REG	DEPTH METER	99		m
PLOO	E23	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E23	15-Jul-20	BENTHIC REG	STN LONG MIN	19.797		
PLOO	E23	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E23	15-Jul-20	BENTHIC REG	STN LAT MIN	41.489		
PLOO	E23	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E23	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E23	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E23	15-Jul-20	BENTHIC REG	WIND SPEED	8		kts
PLOO	E23	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	E23	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	E23	15-Jul-20	BENTHIC REG	WIND DIR		SW	
PLOO	E23	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	E23	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E23	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
PLOO	E23	15-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	E23	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
PLOO	E23	15-Jul-20	BENTHIC REG	DEPART TIME	1133		
PLOO	E23	15-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Flipped	
PLOO	E25	15-Jul-20	BENTHIC REG	ARRIVE TIME	1046		
PLOO	E25	15-Jul-20	BENTHIC REG	DEPTH METER	99		m
PLOO	E25	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E25	15-Jul-20	BENTHIC REG	STN LONG MIN	20.108		
PLOO	E25	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E25	15-Jul-20	BENTHIC REG	STN LAT MIN	42.376		

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E25	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E25	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E25	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E25	15-Jul-20	BENTHIC REG	WIND SPEED	8		kts
PLOO	E25	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	E25	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	E25	15-Jul-20	BENTHIC REG	WIND DIR		SW	
PLOO	E25	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	E25	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E25	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
PLOO	E25	15-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
PLOO	E25	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
PLOO	E25	15-Jul-20	BENTHIC REG	DEPART TIME	1110		
PLOO	E25	15-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Flipped	
PLOO	E26	15-Jul-20	BENTHIC REG	ARRIVE TIME	1027		
PLOO	E26	15-Jul-20	BENTHIC REG	DEPTH METER	97		m
PLOO	E26	15-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E26	15-Jul-20	BENTHIC REG	STN LONG MIN	20.58		
PLOO	E26	15-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E26	15-Jul-20	BENTHIC REG	STN LAT MIN	43.806		
PLOO	E26	15-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
PLOO	E26	15-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E26	15-Jul-20	BENTHIC REG	SEA STATE		Calm	
PLOO	E26	15-Jul-20	BENTHIC REG	WIND SPEED	5		kts
PLOO	E26	15-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
PLOO	E26	15-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
PLOO	E26	15-Jul-20	BENTHIC REG	WIND DIR		SW	
PLOO	E26	15-Jul-20	BENTHIC REG	VISIBILITY	9		mi
PLOO	E26	15-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E26	15-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
PLOO	E26	15-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	E26	15-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
PLOO	E26	15-Jul-20	BENTHIC REG	DEPART TIME	1042		
PLOO	E26	15-Jul-20	BENTHIC REG	COMMENTS			
PLOO	B8	16-Jul-20	BENTHIC REG	ARRIVE TIME	947		
PLOO	B8	16-Jul-20	BENTHIC REG	DEPTH METER	90		m
PLOO	B8	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	B8	16-Jul-20	BENTHIC REG	STN LONG MIN	20.768		
PLOO	B8	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	B8	16-Jul-20	BENTHIC REG	STN LAT MIN	45.482		
PLOO	B8	16-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
PLOO	B8	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	B8	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
PLOO	B8	16-Jul-20	BENTHIC REG	WIND SPEED	6		kts

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	B8	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
PLOO	B8	16-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
PLOO	B8	16-Jul-20	BENTHIC REG	WIND DIR		NW	
PLOO	B8	16-Jul-20	BENTHIC REG	VISIBILITY	12		mi
PLOO	B8	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	B8	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	B8	16-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	B8	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	11		cm
PLOO	B8	16-Jul-20	BENTHIC REG	DEPART TIME	954		
PLOO	B8	16-Jul-20	BENTHIC REG	COMMENTS			
PLOO	B9	16-Jul-20	BENTHIC REG	ARRIVE TIME	929		
PLOO	B9	16-Jul-20	BENTHIC REG	DEPTH METER	99		m
PLOO	B9	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	B9	16-Jul-20	BENTHIC REG	STN LONG MIN	21.695		
PLOO	B9	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	B9	16-Jul-20	BENTHIC REG	STN LAT MIN	45.324		
PLOO	B9	16-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
PLOO	B9	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	B9	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
PLOO	B9	16-Jul-20	BENTHIC REG	WIND SPEED	6		kts
PLOO	B9	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
PLOO	B9	16-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
PLOO	B9	16-Jul-20	BENTHIC REG	WIND DIR		SW	
PLOO	B9	16-Jul-20	BENTHIC REG	VISIBILITY	11		mi
PLOO	B9	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	B9	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	B9	16-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	B9	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	12		cm
PLOO	B9	16-Jul-20	BENTHIC REG	DEPART TIME	938		
PLOO	B9	16-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E1	16-Jul-20	BENTHIC REG	ARRIVE TIME	1333		
PLOO	E1	16-Jul-20	BENTHIC REG	DEPTH METER	87		m
PLOO	E1	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E1	16-Jul-20	BENTHIC REG	STN LONG MIN	18.345		
PLOO	E1	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E1	16-Jul-20	BENTHIC REG	STN LAT MIN	37.521		
PLOO	E1	16-Jul-20	BENTHIC REG	WAVE PER	11-12		sec
PLOO	E1	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	E1	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
PLOO	E1	16-Jul-20	BENTHIC REG	WIND SPEED	6		kts
PLOO	E1	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
PLOO	E1	16-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E1	16-Jul-20	BENTHIC REG	WIND DIR		SW	
PLOO	E1	16-Jul-20	BENTHIC REG	VISIBILITY	14		mi
PLOO	E1	16-Jul-20	BENTHIC REG	AIR TEMP	20		C

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E1	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt with Shell hash	
PLOO	E1	16-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	E1	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	13		cm
PLOO	E1	16-Jul-20	BENTHIC REG	DEPART TIME	1339		
PLOO	E1	16-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E2	16-Jul-20	BENTHIC REG	ARRIVE TIME	1320		
PLOO	E2	16-Jul-20	BENTHIC REG	DEPTH METER	98		m
PLOO	E2	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E2	16-Jul-20	BENTHIC REG	STN LONG MIN	19.094		
PLOO	E2	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E2	16-Jul-20	BENTHIC REG	STN LAT MIN	37.436		
PLOO	E2	16-Jul-20	BENTHIC REG	WAVE PER	11-12		sec
PLOO	E2	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	E2	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
PLOO	E2	16-Jul-20	BENTHIC REG	WIND SPEED	4		kts
PLOO	E2	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
PLOO	E2	16-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E2	16-Jul-20	BENTHIC REG	WIND DIR		SW	
PLOO	E2	16-Jul-20	BENTHIC REG	VISIBILITY	14		mi
PLOO	E2	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E2	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt with Coarse sand	
PLOO	E2	16-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	E2	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
PLOO	E2	16-Jul-20	BENTHIC REG	DEPART TIME	1326		
PLOO	E2	16-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E3	16-Jul-20	BENTHIC REG	ARRIVE TIME	1252		
PLOO	E3	16-Jul-20	BENTHIC REG	DEPTH METER	112		m
PLOO	E3	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E3	16-Jul-20	BENTHIC REG	STN LONG MIN	20.109		
PLOO	E3	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E3	16-Jul-20	BENTHIC REG	STN LAT MIN	37.269		
PLOO	E3	16-Jul-20	BENTHIC REG	WAVE PER	11-12		sec
PLOO	E3	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	E3	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
PLOO	E3	16-Jul-20	BENTHIC REG	WIND SPEED	4		kts
PLOO	E3	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
PLOO	E3	16-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E3	16-Jul-20	BENTHIC REG	WIND DIR		W	
PLOO	E3	16-Jul-20	BENTHIC REG	VISIBILITY	14		mi
PLOO	E3	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E3	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt with Coarse sand	
PLOO	E3	16-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	E3	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
PLOO	E3	16-Jul-20	BENTHIC REG	DEPART TIME	1310		

## Addendum 1-1A *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	E3	16-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Dead shell	
PLOO	E5	16-Jul-20	BENTHIC REG	ARRIVE TIME	1236		
PLOO	E5	16-Jul-20	BENTHIC REG	DEPTH METER	97		m
PLOO	E5	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E5	16-Jul-20	BENTHIC REG	STN LONG MIN	19.275		
PLOO	E5	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E5	16-Jul-20	BENTHIC REG	STN LAT MIN	38.349		
PLOO	E5	16-Jul-20	BENTHIC REG	WAVE PER	11-12		sec
PLOO	E5	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
PLOO	E5	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
PLOO	E5	16-Jul-20	BENTHIC REG	WIND SPEED	9		kts
PLOO	E5	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
PLOO	E5	16-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E5	16-Jul-20	BENTHIC REG	WIND DIR		SW	
PLOO	E5	16-Jul-20	BENTHIC REG	VISIBILITY	14		mi
PLOO	E5	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E5	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	E5	16-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	E5	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	10		cm
PLOO	E5	16-Jul-20	BENTHIC REG	DEPART TIME	1242		
PLOO	E5	16-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E7	16-Jul-20	BENTHIC REG	ARRIVE TIME	1146		
PLOO	E7	16-Jul-20	BENTHIC REG	DEPTH METER	89		m
PLOO	E7	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E7	16-Jul-20	BENTHIC REG	STN LONG MIN	18.664		
PLOO	E7	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E7	16-Jul-20	BENTHIC REG	STN LAT MIN	39.001		
PLOO	E7	16-Jul-20	BENTHIC REG	WAVE PER	11-12		sec
PLOO	E7	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E7	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
PLOO	E7	16-Jul-20	BENTHIC REG	WIND SPEED	6		kts
PLOO	E7	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
PLOO	E7	16-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E7	16-Jul-20	BENTHIC REG	WIND DIR		SW	
PLOO	E7	16-Jul-20	BENTHIC REG	VISIBILITY	12		mi
PLOO	E7	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E7	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	E7	16-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	E7	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
PLOO	E7	16-Jul-20	BENTHIC REG	DEPART TIME	1153		
PLOO	E7	16-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E8	16-Jul-20	BENTHIC REG	ARRIVE TIME	1203		
PLOO	E8	16-Jul-20	BENTHIC REG	DEPTH METER	97		m



## Addendum 1-1A *continued*

Project	Station	date	Type	Parmcode	Value	Text Field	Units
PLOO	E8	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E8	16-Jul-20	BENTHIC REG	STN LONG MIN	19.356		
PLOO	E8	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E8	16-Jul-20	BENTHIC REG	STN LAT MIN	38.904		
PLOO	E8	16-Jul-20	BENTHIC REG	WAVE PER	11-12		sec
PLOO	E8	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E8	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
PLOO	E8	16-Jul-20	BENTHIC REG	WIND SPEED	8		kts
PLOO	E8	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
PLOO	E8	16-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E8	16-Jul-20	BENTHIC REG	WIND DIR		S	
PLOO	E8	16-Jul-20	BENTHIC REG	VISIBILITY	12		mi
PLOO	E8	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E8	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
PLOO	E8	16-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
PLOO	E8	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
PLOO	E8	16-Jul-20	BENTHIC REG	DEPART TIME	1210		
PLOO	E8	16-Jul-20	BENTHIC REG	COMMENTS			
PLOO	E9	16-Jul-20	BENTHIC REG	ARRIVE TIME	1220		
PLOO	E9	16-Jul-20	BENTHIC REG	DEPTH METER	114		m
PLOO	E9	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
PLOO	E9	16-Jul-20	BENTHIC REG	STN LONG MIN	20.09		
PLOO	E9	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
PLOO	E9	16-Jul-20	BENTHIC REG	STN LAT MIN	38.726		
PLOO	E9	16-Jul-20	BENTHIC REG	WAVE PER	11-12		sec
PLOO	E9	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
PLOO	E9	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
PLOO	E9	16-Jul-20	BENTHIC REG	WIND SPEED	10		kts
PLOO	E9	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
PLOO	E9	16-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
PLOO	E9	16-Jul-20	BENTHIC REG	WIND DIR		S	
PLOO	E9	16-Jul-20	BENTHIC REG	VISIBILITY	12		mi
PLOO	E9	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
PLOO	E9	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt with Coarse sand	
PLOO	E9	16-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
PLOO	E9	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	11		cm
PLOO	E9	16-Jul-20	BENTHIC REG	DEPART TIME	1228		
PLOO	E9	16-Jul-20	BENTHIC REG	COMMENTS			



## Addendum 1-1B

Visual observations from SBOO benthic stations sampled during 2020.

Project	Station	Date	Type	Parmcode	Value	Text Field	Untis
SBOO	I1	6-Jan-20	BENTHIC REG	ARRIVE TIME	836		
SBOO	I1	6-Jan-20	BENTHIC REG	DEPTH METER	63		m
SBOO	I1	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I1	6-Jan-20	BENTHIC REG	STN LONG MIN	16.626		
SBOO	I1	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I1	6-Jan-20	BENTHIC REG	STN LAT MIN	28.404		
SBOO	I1	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	I1	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	I1	6-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I1	6-Jan-20	BENTHIC REG	WIND SPEED	7		kts
SBOO	I1	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I1	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	I1	6-Jan-20	BENTHIC REG	WIND DIR		NW	
SBOO	I1	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	I1	6-Jan-20	BENTHIC REG	AIR TEMP	15		C
SBOO	I1	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Fine sand with Sand	
SBOO	I1	6-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	I1	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	7		cm
SBOO	I1	6-Jan-20	BENTHIC REG	DEPART TIME	845		
SBOO	I1	6-Jan-20	BENTHIC REG	COMMENTS			
SBOO	I2	6-Jan-20	BENTHIC REG	ARRIVE TIME	905		
SBOO	I2	6-Jan-20	BENTHIC REG	DEPTH METER	34		m
SBOO	I2	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I2	6-Jan-20	BENTHIC REG	STN LONG MIN	11.924		
SBOO	I2	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I2	6-Jan-20	BENTHIC REG	STN LAT MIN	28.398		
SBOO	I2	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	I2	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	I2	6-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I2	6-Jan-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	I2	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I2	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	I2	6-Jan-20	BENTHIC REG	WIND DIR		W	
SBOO	I2	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	I2	6-Jan-20	BENTHIC REG	AIR TEMP	15		C
SBOO	I2	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Sand	
SBOO	I2	6-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	I2	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	7		cm
SBOO	I2	6-Jan-20	BENTHIC REG	DEPART TIME	916		
SBOO	I3	6-Jan-20	BENTHIC REG	ARRIVE TIME	924		
SBOO	I3	6-Jan-20	BENTHIC REG	DEPTH METER	27		m
SBOO	I3	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I3	6-Jan-20	BENTHIC REG	STN LONG MIN	10.067		
SBOO	I3	6-Jan-20	BENTHIC REG	STN LAT DEG	32		

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	I3	6-Jan-20	BENTHIC REG	STN LAT MIN	28.013		
SBOO	I3	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	I3	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	I3	6-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I3	6-Jan-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	I3	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I3	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	I3	6-Jan-20	BENTHIC REG	WIND DIR		NW	
SBOO	I3	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	I3	6-Jan-20	BENTHIC REG	AIR TEMP	16		C
						Sand with Coarse sand with Shell hash	
SBOO	I3	6-Jan-20	BENTHIC REG	SED_TYPE(1)			
SBOO	I3	6-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	I3	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	8		cm
SBOO	I3	6-Jan-20	BENTHIC REG	DEPART TIME	934		
SBOO	I3	6-Jan-20	BENTHIC REG	COMMENTS		1x Lovenia	
SBOO	I4	6-Jan-20	BENTHIC REG	ARRIVE TIME	941		
SBOO	I4	6-Jan-20	BENTHIC REG	DEPTH METER	20		m
SBOO	I4	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I4	6-Jan-20	BENTHIC REG	STN LONG MIN	8.403		
SBOO	I4	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I4	6-Jan-20	BENTHIC REG	STN LAT MIN	28.292		
SBOO	I4	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	I4	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	I4	6-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I4	6-Jan-20	BENTHIC REG	WIND SPEED	4		kts
SBOO	I4	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I4	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	I4	6-Jan-20	BENTHIC REG	WIND DIR		SW	
SBOO	I4	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	I4	6-Jan-20	BENTHIC REG	AIR TEMP	17		C
						Sand with Coarse sand with Shell hash	
SBOO	I4	6-Jan-20	BENTHIC REG	SED_TYPE(1)			
SBOO	I4	6-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	I4	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	7		cm
SBOO	I4	6-Jan-20	BENTHIC REG	DEPART TIME	956		
SBOO	I4	6-Jan-20	BENTHIC REG	COMMENTS		Grab failure due to Rocks/gravel	
SBOO	I6	6-Jan-20	BENTHIC REG	ARRIVE TIME	1009		
SBOO	I6	6-Jan-20	BENTHIC REG	DEPTH METER	25		m
SBOO	I6	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I6	6-Jan-20	BENTHIC REG	STN LONG MIN	9.786		
SBOO	I6	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I6	6-Jan-20	BENTHIC REG	STN LAT MIN	29.626		
SBOO	I6	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	16	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	16	6-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	16	6-Jan-20	BENTHIC REG	WIND SPEED	3		kts
SBOO	16	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	16	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	16	6-Jan-20	BENTHIC REG	WIND DIR		NW	
SBOO	16	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	16	6-Jan-20	BENTHIC REG	AIR TEMP	17		C
SBOO	16	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Fine red relict sand with Shell hash	
SBOO	16	6-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	16	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	10		cm
SBOO	16	6-Jan-20	BENTHIC REG	DEPART TIME	1025		
SBOO	16	6-Jan-20	BENTHIC REG	COMMENTS		Grab failure due to Premature closure 1x lovenia sp	
SBOO	17	6-Jan-20	BENTHIC REG	ARRIVE TIME	808		
SBOO	17	6-Jan-20	BENTHIC REG	DEPTH METER	51		m
SBOO	17	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	17	6-Jan-20	BENTHIC REG	STN LONG MIN	15.172		
SBOO	17	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	17	6-Jan-20	BENTHIC REG	STN LAT MIN	30.993		
SBOO	17	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	17	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	17	6-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	17	6-Jan-20	BENTHIC REG	WIND SPEED	4		kts
SBOO	17	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Brownish-green	
SBOO	17	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	17	6-Jan-20	BENTHIC REG	WIND DIR		NW	
SBOO	17	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	17	6-Jan-20	BENTHIC REG	AIR TEMP	15		C
SBOO	17	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Fine red relict sand with Shell hash	
SBOO	17	6-Jan-20	BENTHIC REG	SED_TEMP(1)	13		
SBOO	17	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	8		cm
SBOO	17	6-Jan-20	BENTHIC REG	DEPART TIME	824		
SBOO	17	6-Jan-20	BENTHIC REG	COMMENTS			
SBOO	18	6-Jan-20	BENTHIC REG	ARRIVE TIME	1111		
SBOO	18	6-Jan-20	BENTHIC REG	DEPTH METER	36		m
SBOO	18	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	18	6-Jan-20	BENTHIC REG	STN LONG MIN	12.12		
SBOO	18	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	18	6-Jan-20	BENTHIC REG	STN LAT MIN	31.003		
SBOO	18	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	18	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	18	6-Jan-20	BENTHIC REG	SEA STATE		Choppy	
SBOO	18	6-Jan-20	BENTHIC REG	WIND SPEED	4		kts

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	18	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	18	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	18	6-Jan-20	BENTHIC REG	WIND DIR		SW	
SBOO	18	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	18	6-Jan-20	BENTHIC REG	AIR TEMP	16		C
SBOO	18	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Sand	
SBOO	18	6-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	18	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	8		cm
SBOO	18	6-Jan-20	BENTHIC REG	DEPART TIME	1122		
SBOO	18	6-Jan-20	BENTHIC REG	COMMENTS		1x Dendraster sp	
SBOO	19	6-Jan-20	BENTHIC REG	ARRIVE TIME	1053		
SBOO	19	6-Jan-20	BENTHIC REG	DEPTH METER	30		m
SBOO	19	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	19	6-Jan-20	BENTHIC REG	STN LONG MIN	10.778		
SBOO	19	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	19	6-Jan-20	BENTHIC REG	STN LAT MIN	30.686		
SBOO	19	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	19	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	19	6-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	19	6-Jan-20	BENTHIC REG	WIND SPEED	10		kts
SBOO	19	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	19	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	19	6-Jan-20	BENTHIC REG	WIND DIR		W	
SBOO	19	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	19	6-Jan-20	BENTHIC REG	AIR TEMP	16		C
SBOO	19	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	19	6-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	19	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	7		cm
SBOO	19	6-Jan-20	BENTHIC REG	DEPART TIME	1103		
SBOO	19	6-Jan-20	BENTHIC REG	COMMENTS			
SBOO	110	6-Jan-20	BENTHIC REG	ARRIVE TIME	1033		
SBOO	110	6-Jan-20	BENTHIC REG	DEPTH METER	20		m
SBOO	110	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	110	6-Jan-20	BENTHIC REG	STN LONG MIN	9.359		
SBOO	110	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	110	6-Jan-20	BENTHIC REG	STN LAT MIN	31		
SBOO	110	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	110	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	110	6-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	110	6-Jan-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	110	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	110	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	110	6-Jan-20	BENTHIC REG	WIND DIR		SW	
SBOO	110	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	110	6-Jan-20	BENTHIC REG	AIR TEMP	17		C

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	110	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Fine sand with Sand	
SBOO	110	6-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	110	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	110	6-Jan-20	BENTHIC REG	DEPART TIME	1048		
SBOO	110	6-Jan-20	BENTHIC REG	COMMENTS		Grab failure due to < 5 cm Penetration	
SBOO	112	6-Jan-20	BENTHIC REG	ARRIVE TIME	1214		
SBOO	112	6-Jan-20	BENTHIC REG	DEPTH METER	28		m
SBOO	112	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	112	6-Jan-20	BENTHIC REG	STN LONG MIN	10.974		
SBOO	112	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	112	6-Jan-20	BENTHIC REG	STN LAT MIN	31.968		
SBOO	112	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	112	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	112	6-Jan-20	BENTHIC REG	SEA STATE		Choppy	
SBOO	112	6-Jan-20	BENTHIC REG	WIND SPEED	12		kts
SBOO	112	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	112	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	112	6-Jan-20	BENTHIC REG	WIND DIR		W	
SBOO	112	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	112	6-Jan-20	BENTHIC REG	AIR TEMP	16		C
SBOO	112	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Sand	
SBOO	112	6-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	112	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	8		cm
SBOO	112	6-Jan-20	BENTHIC REG	DEPART TIME	1226		
SBOO	112	6-Jan-20	BENTHIC REG	COMMENTS			
SBOO	113	6-Jan-20	BENTHIC REG	ARRIVE TIME	1128		
SBOO	113	6-Jan-20	BENTHIC REG	DEPTH METER	38		m
SBOO	113	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	113	6-Jan-20	BENTHIC REG	STN LONG MIN	12.728		
SBOO	113	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	113	6-Jan-20	BENTHIC REG	STN LAT MIN	32.267		
SBOO	113	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	113	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	113	6-Jan-20	BENTHIC REG	SEA STATE		Choppy	
SBOO	113	6-Jan-20	BENTHIC REG	WIND SPEED	12		kts
SBOO	113	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	113	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	113	6-Jan-20	BENTHIC REG	WIND DIR		W	
SBOO	113	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	113	6-Jan-20	BENTHIC REG	AIR TEMP	16		C
SBOO	113	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Fine red relict sand with Shell hash	
SBOO	113	6-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	113	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	11		cm
SBOO	113	6-Jan-20	BENTHIC REG	DEPART TIME	1143		

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	113	6-Jan-20	BENTHIC REG	COMMENTS		Grab failure due to Rocks/gravel	
SBOO	115	6-Jan-20	BENTHIC REG	ARRIVE TIME	1148		
SBOO	115	6-Jan-20	BENTHIC REG	DEPTH METER	31		m
SBOO	115	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	115	6-Jan-20	BENTHIC REG	STN LONG MIN	11.345		
SBOO	115	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	115	6-Jan-20	BENTHIC REG	STN LAT MIN	32.272		
SBOO	115	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	115	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	115	6-Jan-20	BENTHIC REG	SEA STATE		Choppy	
SBOO	115	6-Jan-20	BENTHIC REG	WIND SPEED	12		kts
SBOO	115	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	115	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	115	6-Jan-20	BENTHIC REG	WIND DIR		W	
SBOO	115	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	115	6-Jan-20	BENTHIC REG	AIR TEMP	17		C
SBOO	115	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Sand	
SBOO	115	6-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	115	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	115	6-Jan-20	BENTHIC REG	DEPART TIME	1158		
SBOO	115	6-Jan-20	BENTHIC REG	COMMENTS			
SBOO	116	6-Jan-20	BENTHIC REG	ARRIVE TIME	1159		
SBOO	116	6-Jan-20	BENTHIC REG	DEPTH METER	29		m
SBOO	116	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	116	6-Jan-20	BENTHIC REG	STN LONG MIN	10.979		
SBOO	116	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	116	6-Jan-20	BENTHIC REG	STN LAT MIN	32.271		
SBOO	116	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	116	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	116	6-Jan-20	BENTHIC REG	SEA STATE		Choppy	
SBOO	116	6-Jan-20	BENTHIC REG	WIND SPEED	8		kts
SBOO	116	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	116	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	116	6-Jan-20	BENTHIC REG	WIND DIR		SW	
SBOO	116	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	116	6-Jan-20	BENTHIC REG	AIR TEMP	16		C
SBOO	116	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Sand	
SBOO	116	6-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	116	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	7		cm
SBOO	116	6-Jan-20	BENTHIC REG	DEPART TIME	1213		
SBOO	116	6-Jan-20	BENTHIC REG	COMMENTS		Grab failure due to Rocks/gravel	
SBOO	118	6-Jan-20	BENTHIC REG	ARRIVE TIME	1227		
SBOO	118	6-Jan-20	BENTHIC REG	DEPTH METER	20		m

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	118	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	118	6-Jan-20	BENTHIC REG	STN LONG MIN	9.677		
SBOO	118	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	118	6-Jan-20	BENTHIC REG	STN LAT MIN	32.155		
SBOO	118	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	118	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	118	6-Jan-20	BENTHIC REG	SEA STATE		Choppy	
SBOO	118	6-Jan-20	BENTHIC REG	WIND SPEED	8		kts
SBOO	118	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	118	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	118	6-Jan-20	BENTHIC REG	WIND DIR		W	
SBOO	118	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	118	6-Jan-20	BENTHIC REG	AIR TEMP	17		C
SBOO	118	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Fine sand with Silt	
SBOO	118	6-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	118	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	118	6-Jan-20	BENTHIC REG	DEPART TIME	1237		
SBOO	118	6-Jan-20	BENTHIC REG	COMMENTS		1x hermit crab FID --WE	
SBOO	123	6-Jan-20	BENTHIC REG	ARRIVE TIME	1245		
SBOO	123	6-Jan-20	BENTHIC REG	DEPTH METER	21		m
SBOO	123	6-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	123	6-Jan-20	BENTHIC REG	STN LONG MIN	9.954		
SBOO	123	6-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	123	6-Jan-20	BENTHIC REG	STN LAT MIN	33.061		
SBOO	123	6-Jan-20	BENTHIC REG	WAVE PER	11-12		sec
SBOO	123	6-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
SBOO	123	6-Jan-20	BENTHIC REG	SEA STATE		Choppy	
SBOO	123	6-Jan-20	BENTHIC REG	WIND SPEED	7		kts
SBOO	123	6-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	123	6-Jan-20	BENTHIC REG	WEATHER DESC		Mostly clear	
SBOO	123	6-Jan-20	BENTHIC REG	WIND DIR		W	
SBOO	123	6-Jan-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	123	6-Jan-20	BENTHIC REG	AIR TEMP	17		C
SBOO	123	6-Jan-20	BENTHIC REG	SED_TYPE(1)		Fine sand with Silt	
SBOO	123	6-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	123	6-Jan-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	123	6-Jan-20	BENTHIC REG	DEPART TIME	1258		
SBOO	123	6-Jan-20	BENTHIC REG	COMMENTS		Grab failure due to Premature closure	
SBOO	114	8-Jan-20	BENTHIC REG	ARRIVE TIME	1018		
SBOO	114	8-Jan-20	BENTHIC REG	DEPTH METER	28		m
SBOO	114	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	114	8-Jan-20	BENTHIC REG	STN LONG MIN	11.022		
SBOO	114	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	114	8-Jan-20	BENTHIC REG	STN LAT MIN	32.576		



## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	114	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	114	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	114	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	114	8-Jan-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	114	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	114	8-Jan-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	114	8-Jan-20	BENTHIC REG	WIND DIR		E	
SBOO	114	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	114	8-Jan-20	BENTHIC REG	AIR TEMP	14		C
SBOO	114	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt	
SBOO	114	8-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	114	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	8		cm
SBOO	114	8-Jan-20	BENTHIC REG	DEPART TIME	1026		
SBOO	114	8-Jan-20	BENTHIC REG	COMMENTS			
SBOO	120	8-Jan-20	BENTHIC REG	ARRIVE TIME	926		
SBOO	120	8-Jan-20	BENTHIC REG	DEPTH METER	56		m
SBOO	120	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	120	8-Jan-20	BENTHIC REG	STN LONG MIN	15.419		
SBOO	120	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	120	8-Jan-20	BENTHIC REG	STN LAT MIN	33.425		
SBOO	120	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	120	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	120	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	120	8-Jan-20	BENTHIC REG	WIND SPEED	2		kts
SBOO	120	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	120	8-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
SBOO	120	8-Jan-20	BENTHIC REG	WIND DIR		S	
SBOO	120	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	120	8-Jan-20	BENTHIC REG	AIR TEMP	14		C
SBOO	120	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Sand	
SBOO	120	8-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	120	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	9		cm
SBOO	120	8-Jan-20	BENTHIC REG	DEPART TIME	935		
SBOO	120	8-Jan-20	BENTHIC REG	COMMENTS			
SBOO	121	8-Jan-20	BENTHIC REG	ARRIVE TIME	951		
SBOO	121	8-Jan-20	BENTHIC REG	DEPTH METER	41		m
SBOO	121	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	121	8-Jan-20	BENTHIC REG	STN LONG MIN	13.61		
SBOO	121	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	121	8-Jan-20	BENTHIC REG	STN LAT MIN	33.655		
SBOO	121	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	121	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	121	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	121	8-Jan-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	121	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	



## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	I21	8-Jan-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	I21	8-Jan-20	BENTHIC REG	WIND DIR		S	
SBOO	I21	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	I21	8-Jan-20	BENTHIC REG	AIR TEMP	14		C
SBOO	I21	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Sand and Fine sand	
SBOO	I21	8-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	I21	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	11		cm
SBOO	I21	8-Jan-20	BENTHIC REG	DEPART TIME	1001		
SBOO	I21	8-Jan-20	BENTHIC REG	COMMENTS			
SBOO	I22	8-Jan-20	BENTHIC REG	ARRIVE TIME	1034		
SBOO	I22	8-Jan-20	BENTHIC REG	DEPTH METER	28		m
SBOO	I22	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I22	8-Jan-20	BENTHIC REG	STN LONG MIN	11.097		
SBOO	I22	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I22	8-Jan-20	BENTHIC REG	STN LAT MIN	33.182		
SBOO	I22	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I22	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	I22	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I22	8-Jan-20	BENTHIC REG	WIND SPEED	4		kts
SBOO	I22	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I22	8-Jan-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	I22	8-Jan-20	BENTHIC REG	WIND DIR		E	
SBOO	I22	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	I22	8-Jan-20	BENTHIC REG	AIR TEMP	14		C
SBOO	I22	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Fine sand	
SBOO	I22	8-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	I22	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	8		cm
SBOO	I22	8-Jan-20	BENTHIC REG	DEPART TIME	1043		
SBOO	I22	8-Jan-20	BENTHIC REG	COMMENTS			
SBOO	I27	8-Jan-20	BENTHIC REG	ARRIVE TIME	1052		
SBOO	I27	8-Jan-20	BENTHIC REG	DEPTH METER	28		m
SBOO	I27	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I27	8-Jan-20	BENTHIC REG	STN LONG MIN	11.442		
SBOO	I27	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I27	8-Jan-20	BENTHIC REG	STN LAT MIN	34.434		
SBOO	I27	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I27	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	I27	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I27	8-Jan-20	BENTHIC REG	WIND SPEED	2		kts
SBOO	I27	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I27	8-Jan-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	I27	8-Jan-20	BENTHIC REG	WIND DIR		E	
SBOO	I27	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	I27	8-Jan-20	BENTHIC REG	AIR TEMP	14		C
SBOO	I27	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	127	8-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	127	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	5		cm
SBOO	127	8-Jan-20	BENTHIC REG	DEPART TIME	1102		
SBOO	127	8-Jan-20	BENTHIC REG	COMMENTS			
SBOO	128	8-Jan-20	BENTHIC REG	ARRIVE TIME	859		
SBOO	128	8-Jan-20	BENTHIC REG	DEPTH METER	56		m
SBOO	128	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	128	8-Jan-20	BENTHIC REG	STN LONG MIN	15.801		
SBOO	128	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	128	8-Jan-20	BENTHIC REG	STN LAT MIN	35.617		
SBOO	128	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	128	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	128	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	128	8-Jan-20	BENTHIC REG	WIND SPEED	0		kts
SBOO	128	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	128	8-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
SBOO	128	8-Jan-20	BENTHIC REG	WIND DIR		XX	
SBOO	128	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	128	8-Jan-20	BENTHIC REG	AIR TEMP	14		C
SBOO	128	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay with Gravel	
SBOO	128	8-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	128	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	9		cm
SBOO	128	8-Jan-20	BENTHIC REG	DEPART TIME	908		
SBOO	128	8-Jan-20	BENTHIC REG	COMMENTS			
SBOO	129	8-Jan-20	BENTHIC REG	ARRIVE TIME	832		
SBOO	129	8-Jan-20	BENTHIC REG	DEPTH METER	38		m
SBOO	129	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	129	8-Jan-20	BENTHIC REG	STN LONG MIN	13.363		
SBOO	129	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	129	8-Jan-20	BENTHIC REG	STN LAT MIN	35.651		
SBOO	129	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	129	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	129	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	129	8-Jan-20	BENTHIC REG	WIND SPEED	4		kts
SBOO	129	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	129	8-Jan-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
SBOO	129	8-Jan-20	BENTHIC REG	WIND DIR		N	
SBOO	129	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	129	8-Jan-20	BENTHIC REG	AIR TEMP	13		C
SBOO	129	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt with Fine sand	
SBOO	129	8-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	129	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	7		cm
SBOO	129	8-Jan-20	BENTHIC REG	DEPART TIME	844		
SBOO	129	8-Jan-20	BENTHIC REG	COMMENTS			

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	130	8-Jan-20	BENTHIC REG	ARRIVE TIME	1111		
SBOO	130	8-Jan-20	BENTHIC REG	DEPTH METER	27		m
SBOO	130	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	130	8-Jan-20	BENTHIC REG	STN LONG MIN	11.799		
SBOO	130	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	130	8-Jan-20	BENTHIC REG	STN LAT MIN	35.708		
SBOO	130	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	130	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	130	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	130	8-Jan-20	BENTHIC REG	WIND SPEED	3		kts
SBOO	130	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	130	8-Jan-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	130	8-Jan-20	BENTHIC REG	WIND DIR		E	
SBOO	130	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	130	8-Jan-20	BENTHIC REG	AIR TEMP	14		C
SBOO	130	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt	
SBOO	130	8-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	130	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	130	8-Jan-20	BENTHIC REG	DEPART TIME	1124		
SBOO	130	8-Jan-20	BENTHIC REG	COMMENTS			
SBOO	131	8-Jan-20	BENTHIC REG	ARRIVE TIME	1141		
SBOO	131	8-Jan-20	BENTHIC REG	DEPTH METER	18		m
SBOO	131	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	131	8-Jan-20	BENTHIC REG	STN LONG MIN	10.301		
SBOO	131	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	131	8-Jan-20	BENTHIC REG	STN LAT MIN	35.725		
SBOO	131	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	131	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	131	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	131	8-Jan-20	BENTHIC REG	WIND SPEED	3		kts
SBOO	131	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	131	8-Jan-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	131	8-Jan-20	BENTHIC REG	WIND DIR		E	
SBOO	131	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	131	8-Jan-20	BENTHIC REG	AIR TEMP	15		C
SBOO	131	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt	
SBOO	131	8-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	131	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	5		cm
SBOO	131	8-Jan-20	BENTHIC REG	DEPART TIME	1148		
SBOO	131	8-Jan-20	BENTHIC REG	COMMENTS			
SBOO	133	8-Jan-20	BENTHIC REG	ARRIVE TIME	812		
SBOO	133	8-Jan-20	BENTHIC REG	DEPTH METER	32		m
SBOO	133	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	133	8-Jan-20	BENTHIC REG	STN LONG MIN	14.19		

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	I33	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I33	8-Jan-20	BENTHIC REG	STN LAT MIN	37.415		
SBOO	I33	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I33	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	I33	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I33	8-Jan-20	BENTHIC REG	WIND SPEED	5		kts
SBOO	I33	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I33	8-Jan-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	I33	8-Jan-20	BENTHIC REG	WIND DIR		NE	
SBOO	I33	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	I33	8-Jan-20	BENTHIC REG	AIR TEMP	12		C
SBOO	I33	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
SBOO	I33	8-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	I33	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	9		cm
SBOO	I33	8-Jan-20	BENTHIC REG	DEPART TIME	822		
SBOO	I33	8-Jan-20	BENTHIC REG	COMMENTS		1 Neverita reclusiana	
SBOO	I34	8-Jan-20	BENTHIC REG	ARRIVE TIME	745		
SBOO	I34	8-Jan-20	BENTHIC REG	DEPTH METER	22		m
SBOO	I34	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I34	8-Jan-20	BENTHIC REG	STN LONG MIN	12.942		
SBOO	I34	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I34	8-Jan-20	BENTHIC REG	STN LAT MIN	37.773		
SBOO	I34	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I34	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	I34	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I34	8-Jan-20	BENTHIC REG	WIND SPEED	5		kts
SBOO	I34	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I34	8-Jan-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	I34	8-Jan-20	BENTHIC REG	WIND DIR		NE	
SBOO	I34	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	I34	8-Jan-20	BENTHIC REG	AIR TEMP	11		C
SBOO	I34	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Coarse sand and Fine sand with Shell hash	
SBOO	I34	8-Jan-20	BENTHIC REG	SED_TEMP(1)	14		
SBOO	I34	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	12		cm
SBOO	I34	8-Jan-20	BENTHIC REG	DEPART TIME	759		
SBOO	I34	8-Jan-20	BENTHIC REG	COMMENTS		1 Spisula falcata	
SBOO	I35	8-Jan-20	BENTHIC REG	ARRIVE TIME	1206		
SBOO	I35	8-Jan-20	BENTHIC REG	DEPTH METER	18		m
SBOO	I35	8-Jan-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I35	8-Jan-20	BENTHIC REG	STN LONG MIN	10.914		
SBOO	I35	8-Jan-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I35	8-Jan-20	BENTHIC REG	STN LAT MIN	38.188		
SBOO	I35	8-Jan-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I35	8-Jan-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	I35	8-Jan-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I35	8-Jan-20	BENTHIC REG	WIND SPEED	1		kts
SBOO	I35	8-Jan-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I35	8-Jan-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	I35	8-Jan-20	BENTHIC REG	WIND DIR		E	
SBOO	I35	8-Jan-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	I35	8-Jan-20	BENTHIC REG	AIR TEMP	14		C
SBOO	I35	8-Jan-20	BENTHIC REG	SED_TYPE(1)		Silt	
SBOO	I35	8-Jan-20	BENTHIC REG	SED_TEMP(1)	15		
SBOO	I35	8-Jan-20	BENTHIC REG	SED_DEPTH(1)	11		cm
SBOO	I35	8-Jan-20	BENTHIC REG	DEPART TIME	1218		
SBOO	I35	8-Jan-20	BENTHIC REG	COMMENTS			
SBOO	I1	7-Jul-20	BENTHIC REG	ARRIVE TIME	930		
SBOO	I1	7-Jul-20	BENTHIC REG	DEPTH METER	60		m
SBOO	I1	7-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I1	7-Jul-20	BENTHIC REG	STN LONG MIN	16.626		
SBOO	I1	7-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I1	7-Jul-20	BENTHIC REG	STN LAT MIN	28.413		
SBOO	I1	7-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I1	7-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	I1	7-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I1	7-Jul-20	BENTHIC REG	WIND SPEED	5		kts
SBOO	I1	7-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Blue	
SBOO	I1	7-Jul-20	BENTHIC REG	WEATHER DESC		Fog	
SBOO	I1	7-Jul-20	BENTHIC REG	WIND DIR		S	
SBOO	I1	7-Jul-20	BENTHIC REG	VISIBILITY	4		mi
SBOO	I1	7-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	I1	7-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	I1	7-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	I1	7-Jul-20	BENTHIC REG	SED_DEPTH(1)	5		cm
SBOO	I1	7-Jul-20	BENTHIC REG	DEPART TIME	944		
SBOO	I1	7-Jul-20	BENTHIC REG	COMMENTS			
SBOO	I2	7-Jul-20	BENTHIC REG	ARRIVE TIME	1008		
SBOO	I2	7-Jul-20	BENTHIC REG	DEPTH METER	33		m
SBOO	I2	7-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I2	7-Jul-20	BENTHIC REG	STN LONG MIN	11.962		
SBOO	I2	7-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I2	7-Jul-20	BENTHIC REG	STN LAT MIN	28.406		
SBOO	I2	7-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I2	7-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	I2	7-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I2	7-Jul-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	I2	7-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Blue	
SBOO	I2	7-Jul-20	BENTHIC REG	WEATHER DESC		Fog	
SBOO	I2	7-Jul-20	BENTHIC REG	WIND DIR		S	

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	12	7-Jul-20	BENTHIC REG	VISIBILITY	4		mi
SBOO	12	7-Jul-20	BENTHIC REG	AIR TEMP	19	Sand and Fine sand	C
SBOO	12	7-Jul-20	BENTHIC REG	SED_TYPE(1)			
SBOO	12	7-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	12	7-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
SBOO	12	7-Jul-20	BENTHIC REG	DEPART TIME	1026	Grab failure due to no contact w/ Bottom	
SBOO	12	7-Jul-20	BENTHIC REG	COMMENTS			
SBOO	13	7-Jul-20	BENTHIC REG	ARRIVE TIME	1033		
SBOO	13	7-Jul-20	BENTHIC REG	DEPTH METER	27		m
SBOO	13	7-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	13	7-Jul-20	BENTHIC REG	STN LONG MIN	10.071		
SBOO	13	7-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	13	7-Jul-20	BENTHIC REG	STN LAT MIN	28.029		
SBOO	13	7-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	13	7-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	13	7-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	13	7-Jul-20	BENTHIC REG	WIND SPEED	8		kts
SBOO	13	7-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Blue	
SBOO	13	7-Jul-20	BENTHIC REG	WEATHER DESC		Fog	
SBOO	13	7-Jul-20	BENTHIC REG	WIND DIR		S	
SBOO	13	7-Jul-20	BENTHIC REG	VISIBILITY	4		mi
SBOO	13	7-Jul-20	BENTHIC REG	AIR TEMP	19	Sand and Fine sand	C
SBOO	13	7-Jul-20	BENTHIC REG	SED_TYPE(1)			
SBOO	13	7-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	13	7-Jul-20	BENTHIC REG	SED_DEPTH(1)	10		cm
SBOO	13	7-Jul-20	BENTHIC REG	DEPART TIME	1048		
SBOO	13	7-Jul-20	BENTHIC REG	COMMENTS			
SBOO	14	7-Jul-20	BENTHIC REG	ARRIVE TIME	1054		
SBOO	14	7-Jul-20	BENTHIC REG	DEPTH METER	19		m
SBOO	14	7-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	14	7-Jul-20	BENTHIC REG	STN LONG MIN	8.366		
SBOO	14	7-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	14	7-Jul-20	BENTHIC REG	STN LAT MIN	28.303		
SBOO	14	7-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	14	7-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	14	7-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	14	7-Jul-20	BENTHIC REG	WIND SPEED	7		kts
SBOO	14	7-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Blue	
SBOO	14	7-Jul-20	BENTHIC REG	WEATHER DESC		Fog	
SBOO	14	7-Jul-20	BENTHIC REG	WIND DIR		S	
SBOO	14	7-Jul-20	BENTHIC REG	VISIBILITY	4		mi
SBOO	14	7-Jul-20	BENTHIC REG	AIR TEMP	19	Sand and Fine sand	C
SBOO	14	7-Jul-20	BENTHIC REG	SED_TYPE(1)			

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	14	7-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	14	7-Jul-20	BENTHIC REG	SED_DEPTH(1)	10		cm
SBOO	14	7-Jul-20	BENTHIC REG	DEPART TIME	1108		
SBOO	14	7-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to < 5 cm Penetration	
SBOO	16	7-Jul-20	BENTHIC REG	ARRIVE TIME	1118		
SBOO	16	7-Jul-20	BENTHIC REG	DEPTH METER	26		m
SBOO	16	7-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	16	7-Jul-20	BENTHIC REG	STN LONG MIN	9.797		
SBOO	16	7-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	16	7-Jul-20	BENTHIC REG	STN LAT MIN	29.607		
SBOO	16	7-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	16	7-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	16	7-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	16	7-Jul-20	BENTHIC REG	WIND SPEED	11		kts
SBOO	16	7-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Blue	
SBOO	16	7-Jul-20	BENTHIC REG	WEATHER DESC		Haze	
SBOO	16	7-Jul-20	BENTHIC REG	WIND DIR		S	
SBOO	16	7-Jul-20	BENTHIC REG	VISIBILITY	6		mi
SBOO	16	7-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	16	7-Jul-20	BENTHIC REG	SED_TYPE(1)		Sand and Fine sand	
SBOO	16	7-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	16	7-Jul-20	BENTHIC REG	SED_DEPTH(1)	10		cm
SBOO	16	7-Jul-20	BENTHIC REG	DEPART TIME	1128		
SBOO	16	7-Jul-20	BENTHIC REG	COMMENTS			
SBOO	17	7-Jul-20	BENTHIC REG	ARRIVE TIME	851		
SBOO	17	7-Jul-20	BENTHIC REG	DEPTH METER	51		m
SBOO	17	7-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	17	7-Jul-20	BENTHIC REG	STN LONG MIN	15.205		
SBOO	17	7-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	17	7-Jul-20	BENTHIC REG	STN LAT MIN	31.008		
SBOO	17	7-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	17	7-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	17	7-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	17	7-Jul-20	BENTHIC REG	WIND SPEED	2		kts
SBOO	17	7-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Blue	
SBOO	17	7-Jul-20	BENTHIC REG	WEATHER DESC		Fog	
SBOO	17	7-Jul-20	BENTHIC REG	WIND DIR		SW	
SBOO	17	7-Jul-20	BENTHIC REG	VISIBILITY	4		mi
SBOO	17	7-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	17	7-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine red relict sand	
SBOO	17	7-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
SBOO	17	7-Jul-20	BENTHIC REG	SED_DEPTH(1)	10		cm
SBOO	17	7-Jul-20	BENTHIC REG	DEPART TIME	910		
SBOO	17	7-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to < 5 cm Penetration	



## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	18	7-Jul-20	BENTHIC REG	ARRIVE TIME	1213		
SBOO	18	7-Jul-20	BENTHIC REG	DEPTH METER	36		m
SBOO	18	7-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	18	7-Jul-20	BENTHIC REG	STN LONG MIN	12.124		
SBOO	18	7-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	18	7-Jul-20	BENTHIC REG	STN LAT MIN	31.005		
SBOO	18	7-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	18	7-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	18	7-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	18	7-Jul-20	BENTHIC REG	WIND SPEED	8		kts
SBOO	18	7-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Blue	
SBOO	18	7-Jul-20	BENTHIC REG	WEATHER DESC		Mostly Clear	
SBOO	18	7-Jul-20	BENTHIC REG	WIND DIR		S	
SBOO	18	7-Jul-20	BENTHIC REG	VISIBILITY	8		mi
SBOO	18	7-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	18	7-Jul-20	BENTHIC REG	SED_TYPE(1)		Sand with Fine sand	
SBOO	18	7-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
SBOO	18	7-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
SBOO	18	7-Jul-20	BENTHIC REG	DEPART TIME	1226		
SBOO	18	7-Jul-20	BENTHIC REG	COMMENTS			
SBOO	19	7-Jul-20	BENTHIC REG	ARRIVE TIME	1156		
SBOO	19	7-Jul-20	BENTHIC REG	DEPTH METER	30		m
SBOO	19	7-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	19	7-Jul-20	BENTHIC REG	STN LONG MIN	10.727		
SBOO	19	7-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	19	7-Jul-20	BENTHIC REG	STN LAT MIN	30.7		
SBOO	19	7-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	19	7-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	19	7-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	19	7-Jul-20	BENTHIC REG	WIND SPEED	10		kts
SBOO	19	7-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Blue	
SBOO	19	7-Jul-20	BENTHIC REG	WEATHER DESC		Mostly Clear	
SBOO	19	7-Jul-20	BENTHIC REG	WIND DIR		S	
SBOO	19	7-Jul-20	BENTHIC REG	VISIBILITY	8		mi
SBOO	19	7-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	19	7-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
SBOO	19	7-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
SBOO	19	7-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	19	7-Jul-20	BENTHIC REG	DEPART TIME	1206		
SBOO	19	7-Jul-20	BENTHIC REG	COMMENTS			
SBOO	110	7-Jul-20	BENTHIC REG	ARRIVE TIME	1136		
SBOO	110	7-Jul-20	BENTHIC REG	DEPTH METER	20		m
SBOO	110	7-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	110	7-Jul-20	BENTHIC REG	STN LONG MIN	9.355		



## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	110	7-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	110	7-Jul-20	BENTHIC REG	STN LAT MIN	31.012		
SBOO	110	7-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	110	7-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	110	7-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	110	7-Jul-20	BENTHIC REG	WIND SPEED	10		kts
SBOO	110	7-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Blue	
SBOO	110	7-Jul-20	BENTHIC REG	WEATHER DESC		Mostly Clear	
SBOO	110	7-Jul-20	BENTHIC REG	WIND DIR		S	
SBOO	110	7-Jul-20	BENTHIC REG	VISIBILITY	7		mi
SBOO	110	7-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	110	7-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand	
SBOO	110	7-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
SBOO	110	7-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	110	7-Jul-20	BENTHIC REG	DEPART TIME	1146		
SBOO	110	7-Jul-20	BENTHIC REG	COMMENTS			
SBOO	122	8-Jul-20	BENTHIC REG	ARRIVE TIME	941		
SBOO	122	8-Jul-20	BENTHIC REG	DEPTH METER	29		m
SBOO	122	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	122	8-Jul-20	BENTHIC REG	STN LONG MIN	11.082		
SBOO	122	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	122	8-Jul-20	BENTHIC REG	STN LAT MIN	33.198		
SBOO	122	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	122	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	122	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	122	8-Jul-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	122	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	122	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	122	8-Jul-20	BENTHIC REG	WIND DIR		S	
SBOO	122	8-Jul-20	BENTHIC REG	VISIBILITY	5		mi
SBOO	122	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	122	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	122	8-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	122	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
SBOO	122	8-Jul-20	BENTHIC REG	DEPART TIME	947		
SBOO	122	8-Jul-20	BENTHIC REG	COMMENTS			
SBOO	123	8-Jul-20	BENTHIC REG	ARRIVE TIME	957		
SBOO	123	8-Jul-20	BENTHIC REG	DEPTH METER	21		m
SBOO	123	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	123	8-Jul-20	BENTHIC REG	STN LONG MIN	9.874		
SBOO	123	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	123	8-Jul-20	BENTHIC REG	STN LAT MIN	33.052		
SBOO	123	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	123	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	123	8-Jul-20	BENTHIC REG	SEA STATE		Calm	

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	I23	8-Jul-20	BENTHIC REG	WIND SPEED	5		kts
SBOO	I23	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I23	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	I23	8-Jul-20	BENTHIC REG	WIND DIR		SW	
SBOO	I23	8-Jul-20	BENTHIC REG	VISIBILITY	5		mi
SBOO	I23	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	I23	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	I23	8-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
SBOO	I23	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	I23	8-Jul-20	BENTHIC REG	DEPART TIME	1006		
SBOO	I23	8-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to < 5 cm Penetration	
SBOO	I27	8-Jul-20	BENTHIC REG	ARRIVE TIME	915		
SBOO	I27	8-Jul-20	BENTHIC REG	DEPTH METER	28		m
SBOO	I27	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I27	8-Jul-20	BENTHIC REG	STN LONG MIN	11.456		
SBOO	I27	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I27	8-Jul-20	BENTHIC REG	STN LAT MIN	34.432		
SBOO	I27	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I27	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	I27	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I27	8-Jul-20	BENTHIC REG	WIND SPEED	3		kts
SBOO	I27	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I27	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	I27	8-Jul-20	BENTHIC REG	WIND DIR		S	
SBOO	I27	8-Jul-20	BENTHIC REG	VISIBILITY	5		mi
SBOO	I27	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	I27	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	I27	8-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	I27	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
SBOO	I27	8-Jul-20	BENTHIC REG	DEPART TIME	928		
SBOO	I27	8-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to < 5 cm Penetration; Grab failure due to < 5 cm Penetration; 1 x Crassispira	
SBOO	I29	8-Jul-20	BENTHIC REG	ARRIVE TIME	840		
SBOO	I29	8-Jul-20	BENTHIC REG	DEPTH METER	37		m
SBOO	I29	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I29	8-Jul-20	BENTHIC REG	STN LONG MIN	13.355		
SBOO	I29	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I29	8-Jul-20	BENTHIC REG	STN LAT MIN	35.681		
SBOO	I29	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I29	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	I29	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I29	8-Jul-20	BENTHIC REG	WIND SPEED	4		kts

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	129	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	129	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	129	8-Jul-20	BENTHIC REG	WIND DIR		S	
SBOO	129	8-Jul-20	BENTHIC REG	VISIBILITY	5		mi
SBOO	129	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	129	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	129	8-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	129	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	129	8-Jul-20	BENTHIC REG	DEPART TIME	847		
SBOO	129	8-Jul-20	BENTHIC REG	COMMENTS		2 x Lovenia cordiformis	
SBOO	130	8-Jul-20	BENTHIC REG	ARRIVE TIME	858		
SBOO	130	8-Jul-20	BENTHIC REG	DEPTH METER	28		m
SBOO	130	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	130	8-Jul-20	BENTHIC REG	STN LONG MIN	11.771		
SBOO	130	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	130	8-Jul-20	BENTHIC REG	STN LAT MIN	35.734		
SBOO	130	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	130	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	130	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	130	8-Jul-20	BENTHIC REG	WIND SPEED	2		kts
SBOO	130	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	130	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	130	8-Jul-20	BENTHIC REG	WIND DIR		S	
SBOO	130	8-Jul-20	BENTHIC REG	VISIBILITY	5		mi
SBOO	130	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	130	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	130	8-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	130	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
SBOO	130	8-Jul-20	BENTHIC REG	DEPART TIME	902		
SBOO	130	8-Jul-20	BENTHIC REG	COMMENTS		Lovenia cordiformis	
SBOO	131	8-Jul-20	BENTHIC REG	ARRIVE TIME	1037		
SBOO	131	8-Jul-20	BENTHIC REG	DEPTH METER	20		m
SBOO	131	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	131	8-Jul-20	BENTHIC REG	STN LONG MIN	10.333		
SBOO	131	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	131	8-Jul-20	BENTHIC REG	STN LAT MIN	35.731		
SBOO	131	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	131	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	131	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	131	8-Jul-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	131	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Brown	
SBOO	131	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	131	8-Jul-20	BENTHIC REG	WIND DIR		SW	
SBOO	131	8-Jul-20	BENTHIC REG	VISIBILITY	5		mi

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	I31	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	I31	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	I31	8-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
SBOO	I31	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	I31	8-Jul-20	BENTHIC REG	DEPART TIME	1040		
SBOO	I31	8-Jul-20	BENTHIC REG	COMMENTS			
SBOO	I33	8-Jul-20	BENTHIC REG	ARRIVE TIME	806		
SBOO	I33	8-Jul-20	BENTHIC REG	DEPTH METER	30		m
SBOO	I33	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I33	8-Jul-20	BENTHIC REG	STN LONG MIN	14.222		
SBOO	I33	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I33	8-Jul-20	BENTHIC REG	STN LAT MIN	37.425		
SBOO	I33	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I33	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	I33	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I33	8-Jul-20	BENTHIC REG	WIND SPEED	4		kts
SBOO	I33	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I33	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	I33	8-Jul-20	BENTHIC REG	WIND DIR		E	
SBOO	I33	8-Jul-20	BENTHIC REG	VISIBILITY	5		mi
SBOO	I33	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	I33	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	I33	8-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	I33	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	I33	8-Jul-20	BENTHIC REG	DEPART TIME	817		
SBOO	I33	8-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Poor Closure	
SBOO	I34	8-Jul-20	BENTHIC REG	ARRIVE TIME	747		
SBOO	I34	8-Jul-20	BENTHIC REG	DEPTH METER	19		m
SBOO	I34	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I34	8-Jul-20	BENTHIC REG	STN LONG MIN	12.947		
SBOO	I34	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I34	8-Jul-20	BENTHIC REG	STN LAT MIN	37.802		
SBOO	I34	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I34	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	I34	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I34	8-Jul-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	I34	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
SBOO	I34	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	I34	8-Jul-20	BENTHIC REG	WIND DIR		SE	
SBOO	I34	8-Jul-20	BENTHIC REG	VISIBILITY	5		mi
SBOO	I34	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	I34	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine red relict sand and Shell hash	
SBOO	I34	8-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	I34	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	10		cm
SBOO	I34	8-Jul-20	BENTHIC REG	DEPART TIME	759		

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	134	8-Jul-20	BENTHIC REG	COMMENTS			
SBOO	135	8-Jul-20	BENTHIC REG	ARRIVE TIME	1123		
SBOO	135	8-Jul-20	BENTHIC REG	DEPTH METER	19		m
SBOO	135	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	135	8-Jul-20	BENTHIC REG	STN LONG MIN	10.9		
SBOO	135	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	135	8-Jul-20	BENTHIC REG	STN LAT MIN	38.174		
SBOO	135	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	135	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	135	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	135	8-Jul-20	BENTHIC REG	WIND SPEED	9		kts
SBOO	135	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Brown	
SBOO	135	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	135	8-Jul-20	BENTHIC REG	WIND DIR		W	
SBOO	135	8-Jul-20	BENTHIC REG	VISIBILITY	10		mi
SBOO	135	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	135	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	135	8-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	135	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
SBOO	135	8-Jul-20	BENTHIC REG	DEPART TIME	1128		
SBOO	135	8-Jul-20	BENTHIC REG	COMMENTS		1 x Crassispira semiinflata	
SBOO	112	9-Jul-20	BENTHIC REG	ARRIVE TIME	1256		
SBOO	112	9-Jul-20	BENTHIC REG	DEPTH METER	29		m
SBOO	112	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	112	9-Jul-20	BENTHIC REG	STN LONG MIN	10.949		
SBOO	112	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	112	9-Jul-20	BENTHIC REG	STN LAT MIN	31.969		
SBOO	112	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	112	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	2		ft
SBOO	112	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	112	9-Jul-20	BENTHIC REG	WIND SPEED	8		kts
SBOO	112	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
SBOO	112	9-Jul-20	BENTHIC REG	WEATHER DESC		Haze	
SBOO	112	9-Jul-20	BENTHIC REG	WIND DIR		SW	
SBOO	112	9-Jul-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	112	9-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	112	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand with Silt	
SBOO	112	9-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
SBOO	112	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	5		cm
SBOO	112	9-Jul-20	BENTHIC REG	DEPART TIME	1303		
SBOO	112	9-Jul-20	BENTHIC REG	COMMENTS			
SBOO	113	9-Jul-20	BENTHIC REG	ARRIVE TIME	1145		
SBOO	113	9-Jul-20	BENTHIC REG	DEPTH METER	38		m
SBOO	113	9-Jul-20	BENTHIC REG	STN LONG DEG	117		

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	113	9-Jul-20	BENTHIC REG	STN LONG MIN	12.723		
SBOO	113	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	113	9-Jul-20	BENTHIC REG	STN LAT MIN	32.248		
SBOO	113	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	113	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	2		ft
SBOO	113	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	113	9-Jul-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	113	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
SBOO	113	9-Jul-20	BENTHIC REG	WEATHER DESC		Haze	
SBOO	113	9-Jul-20	BENTHIC REG	WIND DIR		SW	
SBOO	113	9-Jul-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	113	9-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	113	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine red relict sand	
SBOO	113	9-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
SBOO	113	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
SBOO	113	9-Jul-20	BENTHIC REG	DEPART TIME	1204		
						Grab failure due to Obstructions; Grab failure due to Obstructions; Grab failure due to Obstructions	
SBOO	113	9-Jul-20	BENTHIC REG	COMMENTS			
SBOO	114	9-Jul-20	BENTHIC REG	ARRIVE TIME	1224		
SBOO	114	9-Jul-20	BENTHIC REG	DEPTH METER	29		m
SBOO	114	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	114	9-Jul-20	BENTHIC REG	STN LONG MIN	11.031		
SBOO	114	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	114	9-Jul-20	BENTHIC REG	STN LAT MIN	32.578		
SBOO	114	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	114	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	2		ft
SBOO	114	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	114	9-Jul-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	114	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
SBOO	114	9-Jul-20	BENTHIC REG	WEATHER DESC		Haze	
SBOO	114	9-Jul-20	BENTHIC REG	WIND DIR		W	
SBOO	114	9-Jul-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	114	9-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	114	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	114	9-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
SBOO	114	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
SBOO	114	9-Jul-20	BENTHIC REG	DEPART TIME	1232		
						Grab failure due to Improper Distance/ Time	
SBOO	114	9-Jul-20	BENTHIC REG	COMMENTS			
SBOO	115	9-Jul-20	BENTHIC REG	ARRIVE TIME	1214		
SBOO	115	9-Jul-20	BENTHIC REG	DEPTH METER	32		m
SBOO	115	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	115	9-Jul-20	BENTHIC REG	STN LONG MIN	11.348		

## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	115	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	115	9-Jul-20	BENTHIC REG	STN LAT MIN	32.257		
SBOO	115	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	115	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	2		ft
SBOO	115	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	115	9-Jul-20	BENTHIC REG	WIND SPEED	7		kts
SBOO	115	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
SBOO	115	9-Jul-20	BENTHIC REG	WEATHER DESC		Haze	
SBOO	115	9-Jul-20	BENTHIC REG	WIND DIR		SW	
SBOO	115	9-Jul-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	115	9-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	115	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand	
SBOO	115	9-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
SBOO	115	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	115	9-Jul-20	BENTHIC REG	DEPART TIME	1219		
SBOO	115	9-Jul-20	BENTHIC REG	COMMENTS		1 x Lovenia cordiformis	
SBOO	116	9-Jul-20	BENTHIC REG	ARRIVE TIME	1238		
SBOO	116	9-Jul-20	BENTHIC REG	DEPTH METER	30		m
SBOO	116	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	116	9-Jul-20	BENTHIC REG	STN LONG MIN	10.95		
SBOO	116	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	116	9-Jul-20	BENTHIC REG	STN LAT MIN	32.278		
SBOO	116	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	116	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	2		ft
SBOO	116	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	116	9-Jul-20	BENTHIC REG	WIND SPEED	8		kts
SBOO	116	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
SBOO	116	9-Jul-20	BENTHIC REG	WEATHER DESC		Haze	
SBOO	116	9-Jul-20	BENTHIC REG	WIND DIR		SW	
SBOO	116	9-Jul-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	116	9-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	116	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
SBOO	116	9-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
SBOO	116	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	116	9-Jul-20	BENTHIC REG	DEPART TIME	1242		
SBOO	116	9-Jul-20	BENTHIC REG	COMMENTS			
SBOO	118	9-Jul-20	BENTHIC REG	ARRIVE TIME	1311		
SBOO	118	9-Jul-20	BENTHIC REG	DEPTH METER	20		m
SBOO	118	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	118	9-Jul-20	BENTHIC REG	STN LONG MIN	9.67		
SBOO	118	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	118	9-Jul-20	BENTHIC REG	STN LAT MIN	32.161		
SBOO	118	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	118	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	2		ft
SBOO	118	9-Jul-20	BENTHIC REG	SEA STATE		Calm	



## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	118	9-Jul-20	BENTHIC REG	WIND SPEED	6		kts
SBOO	118	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
SBOO	118	9-Jul-20	BENTHIC REG	WEATHER DESC		Haze	
SBOO	118	9-Jul-20	BENTHIC REG	WIND DIR		SW	
SBOO	118	9-Jul-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	118	9-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	118	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Sand with Silt	
SBOO	118	9-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
SBOO	118	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
SBOO	118	9-Jul-20	BENTHIC REG	DEPART TIME	1315		
SBOO	118	9-Jul-20	BENTHIC REG	COMMENTS			
SBOO	120	9-Jul-20	BENTHIC REG	ARRIVE TIME	1016		
SBOO	120	9-Jul-20	BENTHIC REG	DEPTH METER	55		m
SBOO	120	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	120	9-Jul-20	BENTHIC REG	STN LONG MIN	15.426		
SBOO	120	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	120	9-Jul-20	BENTHIC REG	STN LAT MIN	33.405		
SBOO	120	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	120	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	2		ft
SBOO	120	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	120	9-Jul-20	BENTHIC REG	WIND SPEED	4		kts
SBOO	120	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
SBOO	120	9-Jul-20	BENTHIC REG	WEATHER DESC		Haze	
SBOO	120	9-Jul-20	BENTHIC REG	WIND DIR		W	
SBOO	120	9-Jul-20	BENTHIC REG	VISIBILITY	15		mi
SBOO	120	9-Jul-20	BENTHIC REG	AIR TEMP	18		C
SBOO	120	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Coarse sand	
SBOO	120	9-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
SBOO	120	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	10		cm
SBOO	120	9-Jul-20	BENTHIC REG	DEPART TIME	1023		
SBOO	120	9-Jul-20	BENTHIC REG	COMMENTS			
SBOO	121	9-Jul-20	BENTHIC REG	ARRIVE TIME	1036		
SBOO	121	9-Jul-20	BENTHIC REG	DEPTH METER	43		m
SBOO	121	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	121	9-Jul-20	BENTHIC REG	STN LONG MIN	13.624		
SBOO	121	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	121	9-Jul-20	BENTHIC REG	STN LAT MIN	33.632		
SBOO	121	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	121	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	2		ft
SBOO	121	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	121	9-Jul-20	BENTHIC REG	WIND SPEED	3		kts
SBOO	121	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
SBOO	121	9-Jul-20	BENTHIC REG	WEATHER DESC		Haze	
SBOO	121	9-Jul-20	BENTHIC REG	WIND DIR		SW	
SBOO	121	9-Jul-20	BENTHIC REG	VISIBILITY	15		mi



## Addendum 1-1B *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	I21	9-Jul-20	BENTHIC REG	AIR TEMP	19		C
SBOO	I21	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Coarse sand	
SBOO	I21	9-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
SBOO	I21	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	10		cm
SBOO	I21	9-Jul-20	BENTHIC REG	DEPART TIME	1051	Grab failure due to < 5 cm Penetration; Grab failure due to No contact w/ Bottom	
SBOO	I21	9-Jul-20	BENTHIC REG	COMMENTS			
SBOO	I28	9-Jul-20	BENTHIC REG	ARRIVE TIME	852		
SBOO	I28	9-Jul-20	BENTHIC REG	DEPTH METER	58		m
SBOO	I28	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
SBOO	I28	9-Jul-20	BENTHIC REG	STN LONG MIN	15.872		
SBOO	I28	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
SBOO	I28	9-Jul-20	BENTHIC REG	STN LAT MIN	35.612		
SBOO	I28	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
SBOO	I28	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
SBOO	I28	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
SBOO	I28	9-Jul-20	BENTHIC REG	WIND SPEED	3		kts
SBOO	I28	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
SBOO	I28	9-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
SBOO	I28	9-Jul-20	BENTHIC REG	WIND DIR		N	
SBOO	I28	9-Jul-20	BENTHIC REG	VISIBILITY	11		mi
SBOO	I28	9-Jul-20	BENTHIC REG	AIR TEMP	18		C
SBOO	I28	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt with Coarse sand	
SBOO	I28	9-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
SBOO	I28	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
SBOO	I28	9-Jul-20	BENTHIC REG	DEPART TIME	858		
SBOO	I28	9-Jul-20	BENTHIC REG	COMMENTS			

## Addendum 1-1C

Visual observations from regional benthic stations sampled during 2020.

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8907	8-Jul-20	BENTHIC REG	ARRIVE TIME	1023		
REG 20	8907	8-Jul-20	BENTHIC REG	DEPTH METER	18		m
REG 20	8907	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8907	8-Jul-20	BENTHIC REG	STN LONG MIN	9.816		
REG 20	8907	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8907	8-Jul-20	BENTHIC REG	STN LAT MIN	35.428		
REG 20	8907	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8907	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8907	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8907	8-Jul-20	BENTHIC REG	WIND SPEED	5		kts
REG 20	8907	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Brown	
REG 20	8907	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8907	8-Jul-20	BENTHIC REG	WIND DIR		SW	
REG 20	8907	8-Jul-20	BENTHIC REG	VISIBILITY	5		mi
REG 20	8907	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8907	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
REG 20	8907	8-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
REG 20	8907	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
REG 20	8907	8-Jul-20	BENTHIC REG	DEPART TIME	1028		
REG 20	8907	8-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8911	8-Jul-20	BENTHIC REG	ARRIVE TIME	1052		
REG 20	8911	8-Jul-20	BENTHIC REG	DEPTH METER	24		m
REG 20	8911	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8911	8-Jul-20	BENTHIC REG	STN LONG MIN	11.32		
REG 20	8911	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8911	8-Jul-20	BENTHIC REG	STN LAT MIN	36.872		
REG 20	8911	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8911	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8911	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8911	8-Jul-20	BENTHIC REG	WIND SPEED	9		kts
REG 20	8911	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Brown	
REG 20	8911	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8911	8-Jul-20	BENTHIC REG	WIND DIR		W	
REG 20	8911	8-Jul-20	BENTHIC REG	VISIBILITY	7		mi
REG 20	8911	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8911	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
REG 20	8911	8-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
REG 20	8911	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
REG 20	8911	8-Jul-20	BENTHIC REG	DEPART TIME	1103		
REG 20	8911	8-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Improper Distance/ Time; 1 x Megasurcula carpenteriana	
REG 20	8913	8-Jul-20	BENTHIC REG	ARRIVE TIME	823		
REG 20	8913	8-Jul-20	BENTHIC REG	DEPTH METER	31		m

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8913	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8913	8-Jul-20	BENTHIC REG	STN LONG MIN	14.128		
REG 20	8913	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8913	8-Jul-20	BENTHIC REG	STN LAT MIN	37.306		
REG 20	8913	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8913	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8913	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8913	8-Jul-20	BENTHIC REG	WIND SPEED	5		kts
REG 20	8913	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
REG 20	8913	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8913	8-Jul-20	BENTHIC REG	WIND DIR		SE	
REG 20	8913	8-Jul-20	BENTHIC REG	VISIBILITY	5		mi
REG 20	8913	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8913	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
REG 20	8913	8-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
REG 20	8913	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
REG 20	8913	8-Jul-20	BENTHIC REG	DEPART TIME	827		
REG 20	8913	8-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8914	8-Jul-20	BENTHIC REG	ARRIVE TIME	1112		
REG 20	8914	8-Jul-20	BENTHIC REG	DEPTH METER	20		m
REG 20	8914	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8914	8-Jul-20	BENTHIC REG	STN LONG MIN	11.098		
REG 20	8914	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8914	8-Jul-20	BENTHIC REG	STN LAT MIN	38.079		
REG 20	8914	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8914	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8914	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8914	8-Jul-20	BENTHIC REG	WIND SPEED	8		kts
REG 20	8914	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Brown	
REG 20	8914	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8914	8-Jul-20	BENTHIC REG	WIND DIR		W	
REG 20	8914	8-Jul-20	BENTHIC REG	VISIBILITY	9		mi
REG 20	8914	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8914	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
REG 20	8914	8-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
REG 20	8914	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	10		cm
REG 20	8914	8-Jul-20	BENTHIC REG	DEPART TIME	1116		
REG 20	8914	8-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8915	8-Jul-20	BENTHIC REG	ARRIVE TIME	734		
REG 20	8915	8-Jul-20	BENTHIC REG	DEPTH METER	16		m
REG 20	8915	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8915	8-Jul-20	BENTHIC REG	STN LONG MIN	13.688		
REG 20	8915	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8915	8-Jul-20	BENTHIC REG	STN LAT MIN	38.394		
REG 20	8915	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8915	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8915	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8915	8-Jul-20	BENTHIC REG	WIND SPEED	4		kts
REG 20	8915	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
REG 20	8915	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8915	8-Jul-20	BENTHIC REG	WIND DIR		E	
REG 20	8915	8-Jul-20	BENTHIC REG	VISIBILITY	5		mi
REG 20	8915	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8915	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Sand	
REG 20	8915	8-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
REG 20	8915	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
REG 20	8915	8-Jul-20	BENTHIC REG	DEPART TIME	738		
REG 20	8915	8-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8918	8-Jul-20	BENTHIC REG	ARRIVE TIME	1147		
REG 20	8918	8-Jul-20	BENTHIC REG	DEPTH METER	8		m
REG 20	8918	8-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8918	8-Jul-20	BENTHIC REG	STN LONG MIN	12.266		
REG 20	8918	8-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8918	8-Jul-20	BENTHIC REG	STN LAT MIN	40.345		
REG 20	8918	8-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8918	8-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8918	8-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8918	8-Jul-20	BENTHIC REG	WIND SPEED	8		kts
REG 20	8918	8-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Brown	
REG 20	8918	8-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8918	8-Jul-20	BENTHIC REG	WIND DIR		SW	
REG 20	8918	8-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8918	8-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8918	8-Jul-20	BENTHIC REG	SED_TYPE(1)		Sand with Shell hash	
REG 20	8918	8-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
REG 20	8918	8-Jul-20	BENTHIC REG	SED_DEPTH(1)	10		cm
REG 20	8918	8-Jul-20	BENTHIC REG	DEPART TIME	1152		
REG 20	8918	8-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8901	9-Jul-20	BENTHIC REG	ARRIVE TIME	1246		
REG 20	8901	9-Jul-20	BENTHIC REG	DEPTH METER	29		m
REG 20	8901	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8901	9-Jul-20	BENTHIC REG	STN LONG MIN	11.077		
REG 20	8901	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8901	9-Jul-20	BENTHIC REG	STN LAT MIN	32.051		
REG 20	8901	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8901	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	2		ft
REG 20	8901	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8901	9-Jul-20	BENTHIC REG	WIND SPEED	10		kts
REG 20	8901	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
REG 20	8901	9-Jul-20	BENTHIC REG	WEATHER DESC		Haze	

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8901	9-Jul-20	BENTHIC REG	WIND DIR		SW	
REG 20	8901	9-Jul-20	BENTHIC REG	VISIBILITY	15		mi
REG 20	8901	9-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8901	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand with Silt	
REG 20	8901	9-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
REG 20	8901	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	5		cm
REG 20	8901	9-Jul-20	BENTHIC REG	DEPART TIME	1251		
REG 20	8901	9-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8903	9-Jul-20	BENTHIC REG	ARRIVE TIME	953		
REG 20	8903	9-Jul-20	BENTHIC REG	DEPTH METER	66		m
REG 20	8903	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8903	9-Jul-20	BENTHIC REG	STN LONG MIN	16.201		
REG 20	8903	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8903	9-Jul-20	BENTHIC REG	STN LAT MIN	34.342		
REG 20	8903	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8903	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	2		ft
REG 20	8903	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8903	9-Jul-20	BENTHIC REG	WIND SPEED	2		kts
REG 20	8903	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
REG 20	8903	9-Jul-20	BENTHIC REG	WEATHER DESC		Haze	
REG 20	8903	9-Jul-20	BENTHIC REG	WIND DIR		W	
REG 20	8903	9-Jul-20	BENTHIC REG	VISIBILITY	15		mi
REG 20	8903	9-Jul-20	BENTHIC REG	AIR TEMP	18		C
REG 20	8903	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
REG 20	8903	9-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
REG 20	8903	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
REG 20	8903	9-Jul-20	BENTHIC REG	DEPART TIME	1005		
REG 20	8903	9-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8905	9-Jul-20	BENTHIC REG	ARRIVE TIME	922		
REG 20	8905	9-Jul-20	BENTHIC REG	DEPTH METER	134		m
REG 20	8905	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8905	9-Jul-20	BENTHIC REG	STN LONG MIN	19.527		
REG 20	8905	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8905	9-Jul-20	BENTHIC REG	STN LAT MIN	35.098		
REG 20	8905	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8905	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8905	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8905	9-Jul-20	BENTHIC REG	WIND SPEED	2		kts
REG 20	8905	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-Green	
REG 20	8905	9-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8905	9-Jul-20	BENTHIC REG	WIND DIR		NW	
REG 20	8905	9-Jul-20	BENTHIC REG	VISIBILITY	11		mi
REG 20	8905	9-Jul-20	BENTHIC REG	AIR TEMP	18		C
REG 20	8905	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay	
REG 20	8905	9-Jul-20	BENTHIC REG	SED_TEMP(1)	9		

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8905	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	12		cm
REG 20	8905	9-Jul-20	BENTHIC REG	DEPART TIME	930		
REG 20	8905	9-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8909	9-Jul-20	BENTHIC REG	ARRIVE TIME	838		
REG 20	8909	9-Jul-20	BENTHIC REG	DEPTH METER	73		m
REG 20	8909	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8909	9-Jul-20	BENTHIC REG	STN LONG MIN	16.726		
REG 20	8909	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8909	9-Jul-20	BENTHIC REG	STN LAT MIN	36.102		
REG 20	8909	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8909	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8909	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8909	9-Jul-20	BENTHIC REG	WIND SPEED	2		kts
REG 20	8909	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Blue	
REG 20	8909	9-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8909	9-Jul-20	BENTHIC REG	WIND DIR		E	
REG 20	8909	9-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8909	9-Jul-20	BENTHIC REG	AIR TEMP	18		C
REG 20	8909	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
REG 20	8909	9-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
REG 20	8909	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
REG 20	8909	9-Jul-20	BENTHIC REG	DEPART TIME	843		
REG 20	8909	9-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8912	9-Jul-20	BENTHIC REG	ARRIVE TIME	822		
REG 20	8912	9-Jul-20	BENTHIC REG	DEPTH METER	67		m
REG 20	8912	9-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8912	9-Jul-20	BENTHIC REG	STN LONG MIN	16.565		
REG 20	8912	9-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8912	9-Jul-20	BENTHIC REG	STN LAT MIN	36.966		
REG 20	8912	9-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8912	9-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8912	9-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8912	9-Jul-20	BENTHIC REG	WIND SPEED	4		kts
REG 20	8912	9-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-Blue	
REG 20	8912	9-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8912	9-Jul-20	BENTHIC REG	WIND DIR		NE	
REG 20	8912	9-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8912	9-Jul-20	BENTHIC REG	AIR TEMP	18		C
REG 20	8912	9-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
REG 20	8912	9-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
REG 20	8912	9-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
REG 20	8912	9-Jul-20	BENTHIC REG	DEPART TIME	827		
REG 20	8912	9-Jul-20	BENTHIC REG	COMMENTS			

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8906	13-Jul-20	BENTHIC REG	ARRIVE TIME	1132		
REG 20	8906	13-Jul-20	BENTHIC REG	DEPTH METER	41		m
REG 20	8906	13-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8906	13-Jul-20	BENTHIC REG	STN LONG MIN	13.818		
REG 20	8906	13-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8906	13-Jul-20	BENTHIC REG	STN LAT MIN	35.129		
REG 20	8906	13-Jul-20	BENTHIC REG	WAVE PER	7-8		sec
REG 20	8906	13-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8906	13-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8906	13-Jul-20	BENTHIC REG	WIND SPEED	7		kts
REG 20	8906	13-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
REG 20	8906	13-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
REG 20	8906	13-Jul-20	BENTHIC REG	WIND DIR		E	
REG 20	8906	13-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8906	13-Jul-20	BENTHIC REG	AIR TEMP	20		C
REG 20	8906	13-Jul-20	BENTHIC REG	SED_TYPE(1)		Sand with Coarse sand	
REG 20	8906	13-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
REG 20	8906	13-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
REG 20	8906	13-Jul-20	BENTHIC REG	DEPART TIME	1235		
						First drop used for sed tox 4cm depth; Grab failure due to Flipped; Grab failure due to Flipped; Grab failure due to Flipped; Grab failure due to Flipped; Grab failure due to Flipped	
REG 20	8906	13-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8908	13-Jul-20	BENTHIC REG	ARRIVE TIME	1015		
REG 20	8908	13-Jul-20	BENTHIC REG	DEPTH METER	194		m
REG 20	8908	13-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8908	13-Jul-20	BENTHIC REG	STN LONG MIN	21.431		
REG 20	8908	13-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8908	13-Jul-20	BENTHIC REG	STN LAT MIN	35.97		
REG 20	8908	13-Jul-20	BENTHIC REG	WAVE PER	7-8		sec
REG 20	8908	13-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8908	13-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8908	13-Jul-20	BENTHIC REG	WIND SPEED	6		kts
REG 20	8908	13-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
REG 20	8908	13-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
REG 20	8908	13-Jul-20	BENTHIC REG	WIND DIR		E	
REG 20	8908	13-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8908	13-Jul-20	BENTHIC REG	AIR TEMP	21		C
REG 20	8908	13-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt with Fine sand	
REG 20	8908	13-Jul-20	BENTHIC REG	SED_TEMP(1)	9		
REG 20	8908	13-Jul-20	BENTHIC REG	SED_DEPTH(1)	14		cm
REG 20	8908	13-Jul-20	BENTHIC REG	DEPART TIME	1058		
REG 20	8910	13-Jul-20	BENTHIC REG	ARRIVE TIME	923		



## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8910	13-Jul-20	BENTHIC REG	DEPTH METER	169		m
REG 20	8910	13-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8910	13-Jul-20	BENTHIC REG	STN LONG MIN	20.604		
REG 20	8910	13-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8910	13-Jul-20	BENTHIC REG	STN LAT MIN	36.533		
REG 20	8910	13-Jul-20	BENTHIC REG	WAVE PER	7-8		sec
REG 20	8910	13-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8910	13-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8910	13-Jul-20	BENTHIC REG	WIND SPEED	7		kts
REG 20	8910	13-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
REG 20	8910	13-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
REG 20	8910	13-Jul-20	BENTHIC REG	WIND DIR		E	
REG 20	8910	13-Jul-20	BENTHIC REG	VISIBILITY	9		mi
REG 20	8910	13-Jul-20	BENTHIC REG	AIR TEMP	21		C
REG 20	8910	13-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand	
REG 20	8910	13-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
REG 20	8910	13-Jul-20	BENTHIC REG	SED_DEPTH(1)	11		cm
REG 20	8910	13-Jul-20	BENTHIC REG	DEPART TIME	1004		
REG 20	8910	13-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8916	13-Jul-20	BENTHIC REG	ARRIVE TIME	821		
REG 20	8916	13-Jul-20	BENTHIC REG	DEPTH METER	189		m
REG 20	8916	13-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8916	13-Jul-20	BENTHIC REG	STN LONG MIN	21.284		
REG 20	8916	13-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8916	13-Jul-20	BENTHIC REG	STN LAT MIN	38.526		
REG 20	8916	13-Jul-20	BENTHIC REG	WAVE PER	7-8		sec
REG 20	8916	13-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8916	13-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8916	13-Jul-20	BENTHIC REG	WIND SPEED	2		kts
REG 20	8916	13-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
REG 20	8916	13-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
REG 20	8916	13-Jul-20	BENTHIC REG	WIND DIR		NE	
REG 20	8916	13-Jul-20	BENTHIC REG	VISIBILITY	9		mi
REG 20	8916	13-Jul-20	BENTHIC REG	AIR TEMP	21		C
REG 20	8916	13-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand	
REG 20	8916	13-Jul-20	BENTHIC REG	SED_TEMP(1)	9		
REG 20	8916	13-Jul-20	BENTHIC REG	SED_DEPTH(1)	12		cm
REG 20	8916	13-Jul-20	BENTHIC REG	DEPART TIME	910		
REG 20	8943	13-Jul-20	BENTHIC REG	ARRIVE TIME	1325		
REG 20	8943	13-Jul-20	BENTHIC REG	DEPTH METER	19		m
REG 20	8943	13-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8943	13-Jul-20	BENTHIC REG	STN LONG MIN	10.265		
REG 20	8943	13-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8943	13-Jul-20	BENTHIC REG	STN LAT MIN	36.069		
REG 20	8943	13-Jul-20	BENTHIC REG	WAVE PER	7-8		sec



## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8943	13-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8943	13-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8943	13-Jul-20	BENTHIC REG	WIND SPEED	9		kts
REG 20	8943	13-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
REG 20	8943	13-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
REG 20	8943	13-Jul-20	BENTHIC REG	WIND DIR		E	
REG 20	8943	13-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8943	13-Jul-20	BENTHIC REG	AIR TEMP	21		C
REG 20	8943	13-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt	
REG 20	8943	13-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
REG 20	8943	13-Jul-20	BENTHIC REG	SED_DEPTH(1)	5		cm
REG 20	8943	13-Jul-20	BENTHIC REG	DEPART TIME	1352		
REG 20	8943	13-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Flipped	
REG 20	8920	14-Jul-20	BENTHIC REG	ARRIVE TIME	811		
REG 20	8920	14-Jul-20	BENTHIC REG	DEPTH METER	270		m
REG 20	8920	14-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8920	14-Jul-20	BENTHIC REG	STN LONG MIN	22.444		
REG 20	8920	14-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8920	14-Jul-20	BENTHIC REG	STN LAT MIN	40.727		
REG 20	8920	14-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
REG 20	8920	14-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8920	14-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8920	14-Jul-20	BENTHIC REG	WIND SPEED	2		kts
REG 20	8920	14-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
REG 20	8920	14-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8920	14-Jul-20	BENTHIC REG	WIND DIR		W	
REG 20	8920	14-Jul-20	BENTHIC REG	VISIBILITY	6		mi
REG 20	8920	14-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8920	14-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt	
REG 20	8920	14-Jul-20	BENTHIC REG	SED_TEMP(1)	9		
REG 20	8920	14-Jul-20	BENTHIC REG	SED_DEPTH(1)	13		cm
REG 20	8920	14-Jul-20	BENTHIC REG	DEPART TIME	911		
REG 20	8920	14-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Flipped	
REG 20	8930	14-Jul-20	BENTHIC REG	ARRIVE TIME	1002		
REG 20	8930	14-Jul-20	BENTHIC REG	DEPTH METER	83		m
REG 20	8930	14-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8930	14-Jul-20	BENTHIC REG	STN LONG MIN	20.103		
REG 20	8930	14-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8930	14-Jul-20	BENTHIC REG	STN LAT MIN	45.242		
REG 20	8930	14-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
REG 20	8930	14-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8930	14-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8930	14-Jul-20	BENTHIC REG	WIND SPEED	7		kts

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8930	14-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
REG 20	8930	14-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8930	14-Jul-20	BENTHIC REG	WIND DIR		S	
REG 20	8930	14-Jul-20	BENTHIC REG	VISIBILITY	6		mi
REG 20	8930	14-Jul-20	BENTHIC REG	AIR TEMP	20		C
REG 20	8930	14-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt	
REG 20	8930	14-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
REG 20	8930	14-Jul-20	BENTHIC REG	SED_DEPTH(1)	12		cm
REG 20	8930	14-Jul-20	BENTHIC REG	DEPART TIME	1025		
REG 20	8930	14-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8938	14-Jul-20	BENTHIC REG	ARRIVE TIME	1108		
REG 20	8938	14-Jul-20	BENTHIC REG	DEPTH METER	28		m
REG 20	8938	14-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8938	14-Jul-20	BENTHIC REG	STN LONG MIN	16.403		
REG 20	8938	14-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8938	14-Jul-20	BENTHIC REG	STN LAT MIN	51.48		
REG 20	8938	14-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
REG 20	8938	14-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8938	14-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8938	14-Jul-20	BENTHIC REG	WIND SPEED	7		kts
REG 20	8938	14-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
REG 20	8938	14-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8938	14-Jul-20	BENTHIC REG	WIND DIR		SE	
REG 20	8938	14-Jul-20	BENTHIC REG	VISIBILITY	6		mi
REG 20	8938	14-Jul-20	BENTHIC REG	AIR TEMP	21		C
REG 20	8938	14-Jul-20	BENTHIC REG	SED_TYPE(1)		Sand with Fine sand	
REG 20	8938	14-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
REG 20	8938	14-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
REG 20	8938	14-Jul-20	BENTHIC REG	DEPART TIME	1139		
REG 20	8938	14-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8939	14-Jul-20	BENTHIC REG	ARRIVE TIME	1153		
REG 20	8939	14-Jul-20	BENTHIC REG	DEPTH METER	65		m
REG 20	8939	14-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8939	14-Jul-20	BENTHIC REG	STN LONG MIN	17.286		
REG 20	8939	14-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8939	14-Jul-20	BENTHIC REG	STN LAT MIN	55.169		
REG 20	8939	14-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
REG 20	8939	14-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8939	14-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8939	14-Jul-20	BENTHIC REG	WIND SPEED	4		kts
REG 20	8939	14-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
REG 20	8939	14-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
REG 20	8939	14-Jul-20	BENTHIC REG	WIND DIR		S	
REG 20	8939	14-Jul-20	BENTHIC REG	VISIBILITY	8		mi
REG 20	8939	14-Jul-20	BENTHIC REG	AIR TEMP	21		C

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8939	14-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
REG 20	8939	14-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
REG 20	8939	14-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
REG 20	8939	14-Jul-20	BENTHIC REG	DEPART TIME	1203		
REG 20	8939	14-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8940	14-Jul-20	BENTHIC REG	ARRIVE TIME	1214		
REG 20	8940	14-Jul-20	BENTHIC REG	DEPTH METER	108		m
REG 20	8940	14-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8940	14-Jul-20	BENTHIC REG	STN LONG MIN	18.59		
REG 20	8940	14-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8940	14-Jul-20	BENTHIC REG	STN LAT MIN	55.18		
REG 20	8940	14-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
REG 20	8940	14-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8940	14-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8940	14-Jul-20	BENTHIC REG	WIND SPEED	8		kts
REG 20	8940	14-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
REG 20	8940	14-Jul-20	BENTHIC REG	WEATHER DESC		Mostly clear	
REG 20	8940	14-Jul-20	BENTHIC REG	WIND DIR		S	
REG 20	8940	14-Jul-20	BENTHIC REG	VISIBILITY	8		mi
REG 20	8940	14-Jul-20	BENTHIC REG	AIR TEMP	20		C
REG 20	8940	14-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt and Coarse sand with Shell hash	
REG 20	8940	14-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
REG 20	8940	14-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
REG 20	8940	14-Jul-20	BENTHIC REG	DEPART TIME	1256		
REG 20	8940	14-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Rocks/gravel; Grab failure due to Heavily Canted; Grab failure due to Heavily Canted	
REG 20	8949	14-Jul-20	BENTHIC REG	ARRIVE TIME	936		
REG 20	8949	14-Jul-20	BENTHIC REG	DEPTH METER	83		m
REG 20	8949	14-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8949	14-Jul-20	BENTHIC REG	STN LONG MIN	20.014		
REG 20	8949	14-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8949	14-Jul-20	BENTHIC REG	STN LAT MIN	45.025		
REG 20	8949	14-Jul-20	BENTHIC REG	WAVE PER	9-10		sec
REG 20	8949	14-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8949	14-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8949	14-Jul-20	BENTHIC REG	WIND SPEED	0		kts
REG 20	8949	14-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
REG 20	8949	14-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8949	14-Jul-20	BENTHIC REG	WIND DIR		XX	
REG 20	8949	14-Jul-20	BENTHIC REG	VISIBILITY	6		mi
REG 20	8949	14-Jul-20	BENTHIC REG	AIR TEMP	20		C
REG 20	8949	14-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt	
REG 20	8949	14-Jul-20	BENTHIC REG	SED_TEMP(1)	10		

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8949	14-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
REG 20	8949	14-Jul-20	BENTHIC REG	DEPART TIME	957		
REG 20	8949	14-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Heavily Canted	
REG 20	8919	16-Jul-20	BENTHIC REG	ARRIVE TIME	1127		
REG 20	8919	16-Jul-20	BENTHIC REG	DEPTH METER	68		m
REG 20	8919	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8919	16-Jul-20	BENTHIC REG	STN LONG MIN	17.411		
REG 20	8919	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8919	16-Jul-20	BENTHIC REG	STN LAT MIN	40.496		
REG 20	8919	16-Jul-20	BENTHIC REG	WAVE PER	11-12		sec
REG 20	8919	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8919	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8919	16-Jul-20	BENTHIC REG	WIND SPEED	8		kts
REG 20	8919	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
REG 20	8919	16-Jul-20	BENTHIC REG	WEATHER DESC		Partly cloudy	
REG 20	8919	16-Jul-20	BENTHIC REG	WIND DIR		SW	
REG 20	8919	16-Jul-20	BENTHIC REG	VISIBILITY	12		mi
REG 20	8919	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
REG 20	8919	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt with Coarse sand	
REG 20	8919	16-Jul-20	BENTHIC REG	SED_TEMP(1)	13		
REG 20	8919	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
REG 20	8919	16-Jul-20	BENTHIC REG	DEPART TIME	1133		
REG 20	8919	16-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8921	16-Jul-20	BENTHIC REG	ARRIVE TIME	810		
REG 20	8921	16-Jul-20	BENTHIC REG	DEPTH METER	116		m
REG 20	8921	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8921	16-Jul-20	BENTHIC REG	STN LONG MIN	20.011		
REG 20	8921	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8921	16-Jul-20	BENTHIC REG	STN LAT MIN	40.918		
REG 20	8921	16-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8921	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
REG 20	8921	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8921	16-Jul-20	BENTHIC REG	WIND SPEED	6		kts
REG 20	8921	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
REG 20	8921	16-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8921	16-Jul-20	BENTHIC REG	WIND DIR		S	
REG 20	8921	16-Jul-20	BENTHIC REG	VISIBILITY	11		mi
REG 20	8921	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
REG 20	8921	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay	
REG 20	8921	16-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
REG 20	8921	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
REG 20	8921	16-Jul-20	BENTHIC REG	DEPART TIME	835		
REG 20	8921	16-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Flipped; Grab failure due to Flipped	

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8922	16-Jul-20	BENTHIC REG	ARRIVE TIME	847		
REG 20	8922	16-Jul-20	BENTHIC REG	DEPTH METER	185		m
REG 20	8922	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8922	16-Jul-20	BENTHIC REG	STN LONG MIN	20.815		
REG 20	8922	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8922	16-Jul-20	BENTHIC REG	STN LAT MIN	41.078		
REG 20	8922	16-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8922	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
REG 20	8922	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8922	16-Jul-20	BENTHIC REG	WIND SPEED	6		kts
REG 20	8922	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
REG 20	8922	16-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8922	16-Jul-20	BENTHIC REG	WIND DIR		SW	
REG 20	8922	16-Jul-20	BENTHIC REG	VISIBILITY	11		mi
REG 20	8922	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
REG 20	8922	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
REG 20	8922	16-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
REG 20	8922	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	15		cm
REG 20	8922	16-Jul-20	BENTHIC REG	DEPART TIME	858		
REG 20	8922	16-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8924	16-Jul-20	BENTHIC REG	ARRIVE TIME	1102		
REG 20	8924	16-Jul-20	BENTHIC REG	DEPTH METER	85		m
REG 20	8924	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8924	16-Jul-20	BENTHIC REG	STN LONG MIN	19.205		
REG 20	8924	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8924	16-Jul-20	BENTHIC REG	STN LAT MIN	42.112		
REG 20	8924	16-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8924	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8924	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8924	16-Jul-20	BENTHIC REG	WIND SPEED	6		kts
REG 20	8924	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
REG 20	8924	16-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8924	16-Jul-20	BENTHIC REG	WIND DIR		SW	
REG 20	8924	16-Jul-20	BENTHIC REG	VISIBILITY	12		mi
REG 20	8924	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
REG 20	8924	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
REG 20	8924	16-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
REG 20	8924	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	10		cm
REG 20	8924	16-Jul-20	BENTHIC REG	DEPART TIME	1108		
REG 20	8924	16-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8925	16-Jul-20	BENTHIC REG	ARRIVE TIME	1033		
REG 20	8925	16-Jul-20	BENTHIC REG	DEPTH METER	67		m
REG 20	8925	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8925	16-Jul-20	BENTHIC REG	STN LONG MIN	18.055		

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8925	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8925	16-Jul-20	BENTHIC REG	STN LAT MIN	42.845		
REG 20	8925	16-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8925	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8925	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8925	16-Jul-20	BENTHIC REG	WIND SPEED	8		kts
REG 20	8925	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
REG 20	8925	16-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8925	16-Jul-20	BENTHIC REG	WIND DIR		S	
REG 20	8925	16-Jul-20	BENTHIC REG	VISIBILITY	12		mi
REG 20	8925	16-Jul-20	BENTHIC REG	AIR TEMP	21		C
REG 20	8925	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
REG 20	8925	16-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
REG 20	8925	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
REG 20	8925	16-Jul-20	BENTHIC REG	DEPART TIME	1047		
REG 20	8925	16-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8926	16-Jul-20	BENTHIC REG	ARRIVE TIME	1014		
REG 20	8926	16-Jul-20	BENTHIC REG	DEPTH METER	87		m
REG 20	8926	16-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8926	16-Jul-20	BENTHIC REG	STN LONG MIN	19.712		
REG 20	8926	16-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8926	16-Jul-20	BENTHIC REG	STN LAT MIN	42.862		
REG 20	8926	16-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8926	16-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8926	16-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8926	16-Jul-20	BENTHIC REG	WIND SPEED	7		kts
REG 20	8926	16-Jul-20	BENTHIC REG	WATER COLOR CODE		Greenish-blue	
REG 20	8926	16-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8926	16-Jul-20	BENTHIC REG	WIND DIR		S	
REG 20	8926	16-Jul-20	BENTHIC REG	VISIBILITY	12		mi
REG 20	8926	16-Jul-20	BENTHIC REG	AIR TEMP	20		C
REG 20	8926	16-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay and Silt	
REG 20	8926	16-Jul-20	BENTHIC REG	SED_TEMP(1)	11		
REG 20	8926	16-Jul-20	BENTHIC REG	SED_DEPTH(1)	9		cm
REG 20	8926	16-Jul-20	BENTHIC REG	DEPART TIME	1022		
REG 20	8926	16-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8934	21-Jul-20	BENTHIC REG	ARRIVE TIME	842		
REG 20	8934	21-Jul-20	BENTHIC REG	DEPTH METER	491		m
REG 20	8934	21-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8934	21-Jul-20	BENTHIC REG	STN LONG MIN	24.718		
REG 20	8934	21-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8934	21-Jul-20	BENTHIC REG	STN LAT MIN	49.104		
REG 20	8934	21-Jul-20	BENTHIC REG	WAVE PER	7-8		sec
REG 20	8934	21-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
REG 20	8934	21-Jul-20	BENTHIC REG	SEA STATE		Calm	



## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8934	21-Jul-20	BENTHIC REG	WIND SPEED	4		kts
REG 20	8934	21-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
REG 20	8934	21-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8934	21-Jul-20	BENTHIC REG	WIND DIR		SE	
REG 20	8934	21-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8934	21-Jul-20	BENTHIC REG	AIR TEMP	18		C
REG 20	8934	21-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay with Silt	
REG 20	8934	21-Jul-20	BENTHIC REG	SED_TEMP(1)	6		
REG 20	8934	21-Jul-20	BENTHIC REG	SED_DEPTH(1)	14		cm
REG 20	8934	21-Jul-20	BENTHIC REG	DEPART TIME	1028		
REG 20	8934	21-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Premature closure; Grab failure due to Premature closure	
REG 20	8936	21-Jul-20	BENTHIC REG	ARRIVE TIME	1051		
REG 20	8936	21-Jul-20	BENTHIC REG	DEPTH METER	292		m
REG 20	8936	21-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8936	21-Jul-20	BENTHIC REG	STN LONG MIN	22.695		
REG 20	8936	21-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8936	21-Jul-20	BENTHIC REG	STN LAT MIN	50.399		
REG 20	8936	21-Jul-20	BENTHIC REG	WAVE PER	7-8		sec
REG 20	8936	21-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
REG 20	8936	21-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8936	21-Jul-20	BENTHIC REG	WIND SPEED	0		kts
REG 20	8936	21-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
REG 20	8936	21-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8936	21-Jul-20	BENTHIC REG	WIND DIR		XX	
REG 20	8936	21-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8936	21-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8936	21-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay with Silt	
REG 20	8936	21-Jul-20	BENTHIC REG	SED_TEMP(1)	8		
REG 20	8936	21-Jul-20	BENTHIC REG	SED_DEPTH(1)	12		cm
REG 20	8936	21-Jul-20	BENTHIC REG	DEPART TIME	1156		
REG 20	8936	21-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Premature closure; Grab failure due to Washed; Grab failure due to Premature closure	
REG 20	8937	21-Jul-20	BENTHIC REG	ARRIVE TIME	1211		
REG 20	8937	21-Jul-20	BENTHIC REG	DEPTH METER	137		m
REG 20	8937	21-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8937	21-Jul-20	BENTHIC REG	STN LONG MIN	21.082		
REG 20	8937	21-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8937	21-Jul-20	BENTHIC REG	STN LAT MIN	50.726		
REG 20	8937	21-Jul-20	BENTHIC REG	WAVE PER	7-8		sec
REG 20	8937	21-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8937	21-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8937	21-Jul-20	BENTHIC REG	WIND SPEED	1		kts
REG 20	8937	21-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
REG 20	8937	21-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8937	21-Jul-20	BENTHIC REG	WIND DIR		S	
REG 20	8937	21-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8937	21-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8937	21-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt and Gravel with Shell hash	
REG 20	8937	21-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
REG 20	8937	21-Jul-20	BENTHIC REG	SED_DEPTH(1)	8		cm
REG 20	8937	21-Jul-20	BENTHIC REG	DEPART TIME	1228		
REG 20	8937	21-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8944	21-Jul-20	BENTHIC REG	ARRIVE TIME	1334		
REG 20	8944	21-Jul-20	BENTHIC REG	DEPTH METER	7		m
REG 20	8944	21-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8944	21-Jul-20	BENTHIC REG	STN LONG MIN	15.511		
REG 20	8944	21-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8944	21-Jul-20	BENTHIC REG	STN LAT MIN	47.149		
REG 20	8944	21-Jul-20	BENTHIC REG	WAVE PER	7-8		sec
REG 20	8944	21-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	4		ft
REG 20	8944	21-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8944	21-Jul-20	BENTHIC REG	WIND SPEED	3		kts
REG 20	8944	21-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
REG 20	8944	21-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8944	21-Jul-20	BENTHIC REG	WIND DIR		S	
REG 20	8944	21-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8944	21-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8944	21-Jul-20	BENTHIC REG	SED_TYPE(1)		Sand	
REG 20	8944	21-Jul-20	BENTHIC REG	SED_TEMP(1)	14		
REG 20	8944	21-Jul-20	BENTHIC REG	SED_DEPTH(1)	7		cm
REG 20	8944	21-Jul-20	BENTHIC REG	DEPART TIME	1400		
REG 20	8923	22-Jul-20	BENTHIC REG	ARRIVE TIME	849		
REG 20	8923	22-Jul-20	BENTHIC REG	DEPTH METER	523		m
REG 20	8923	22-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8923	22-Jul-20	BENTHIC REG	STN LONG MIN	27.534		
REG 20	8923	22-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8923	22-Jul-20	BENTHIC REG	STN LAT MIN	41.389		
REG 20	8923	22-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8923	22-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8923	22-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8923	22-Jul-20	BENTHIC REG	WIND SPEED	5		kts
REG 20	8923	22-Jul-20	BENTHIC REG	WATER COLOR CODE		Blue	
REG 20	8923	22-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8923	22-Jul-20	BENTHIC REG	WIND DIR		SE	



## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8923	22-Jul-20	BENTHIC REG	VISIBILITY	8		mi
REG 20	8923	22-Jul-20	BENTHIC REG	AIR TEMP	18		C
REG 20	8923	22-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay with Silt	
REG 20	8923	22-Jul-20	BENTHIC REG	SED_TEMP(1)	6		
REG 20	8923	22-Jul-20	BENTHIC REG	SED_DEPTH(1)	13		cm
REG 20	8923	22-Jul-20	BENTHIC REG	DEPART TIME	1021	Grab failure due to Premature closure Grab failure due to Washed	
REG 20	8923	22-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8927	22-Jul-20	BENTHIC REG	ARRIVE TIME	1044		
REG 20	8927	22-Jul-20	BENTHIC REG	DEPTH METER	460		m
REG 20	8927	22-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8927	22-Jul-20	BENTHIC REG	STN LONG MIN	24.357		
REG 20	8927	22-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8927	22-Jul-20	BENTHIC REG	STN LAT MIN	43.011		
REG 20	8927	22-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8927	22-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8927	22-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8927	22-Jul-20	BENTHIC REG	WIND SPEED	2		kts
REG 20	8927	22-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
REG 20	8927	22-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8927	22-Jul-20	BENTHIC REG	WIND DIR		S	
REG 20	8927	22-Jul-20	BENTHIC REG	VISIBILITY	8		mi
REG 20	8927	22-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8927	22-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay with Silt	
REG 20	8927	22-Jul-20	BENTHIC REG	SED_TEMP(1)	7		
REG 20	8927	22-Jul-20	BENTHIC REG	SED_DEPTH(1)	14		cm
REG 20	8927	22-Jul-20	BENTHIC REG	DEPART TIME	1123		
REG 20	8927	22-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8928	22-Jul-20	BENTHIC REG	ARRIVE TIME	1140		
REG 20	8928	22-Jul-20	BENTHIC REG	DEPTH METER	223		m
REG 20	8928	22-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8928	22-Jul-20	BENTHIC REG	STN LONG MIN	21.326		
REG 20	8928	22-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8928	22-Jul-20	BENTHIC REG	STN LAT MIN	43.088		
REG 20	8928	22-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8928	22-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8928	22-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8928	22-Jul-20	BENTHIC REG	WIND SPEED	6		kts
REG 20	8928	22-Jul-20	BENTHIC REG	WATER COLOR CODE		Bluish-green	
REG 20	8928	22-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8928	22-Jul-20	BENTHIC REG	WIND DIR		SE	
REG 20	8928	22-Jul-20	BENTHIC REG	VISIBILITY	8		mi
REG 20	8928	22-Jul-20	BENTHIC REG	AIR TEMP	18		C
REG 20	8928	22-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay with Silt	

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8928	22-Jul-20	BENTHIC REG	SED_TEMP(1)	9		
REG 20	8928	22-Jul-20	BENTHIC REG	SED_DEPTH(1)	14		cm
REG 20	8928	22-Jul-20	BENTHIC REG	DEPART TIME	1218		
REG 20	8928	22-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to Premature closure	
REG 20	8932	22-Jul-20	BENTHIC REG	ARRIVE TIME	1245		
REG 20	8932	22-Jul-20	BENTHIC REG	DEPTH METER	89		m
REG 20	8932	22-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8932	22-Jul-20	BENTHIC REG	STN LONG MIN	21.123		
REG 20	8932	22-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8932	22-Jul-20	BENTHIC REG	STN LAT MIN	47.379		
REG 20	8932	22-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8932	22-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8932	22-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8932	22-Jul-20	BENTHIC REG	WIND SPEED	1		kts
REG 20	8932	22-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
REG 20	8932	22-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8932	22-Jul-20	BENTHIC REG	WIND DIR		S	
REG 20	8932	22-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8932	22-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8932	22-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay with Silt with Fine sand	
REG 20	8932	22-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
REG 20	8932	22-Jul-20	BENTHIC REG	SED_DEPTH(1)	13		cm
REG 20	8932	22-Jul-20	BENTHIC REG	DEPART TIME	1257		
REG 20	8932	22-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8933	22-Jul-20	BENTHIC REG	ARRIVE TIME	1304		
REG 20	8933	22-Jul-20	BENTHIC REG	DEPTH METER	80		m
REG 20	8933	22-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8933	22-Jul-20	BENTHIC REG	STN LONG MIN	20.359		
REG 20	8933	22-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8933	22-Jul-20	BENTHIC REG	STN LAT MIN	48.035		
REG 20	8933	22-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8933	22-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8933	22-Jul-20	BENTHIC REG	SEA STATE		Confused swell	
REG 20	8933	22-Jul-20	BENTHIC REG	WIND SPEED	13		kts
REG 20	8933	22-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
REG 20	8933	22-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8933	22-Jul-20	BENTHIC REG	WIND DIR		W	
REG 20	8933	22-Jul-20	BENTHIC REG	VISIBILITY	10		mi
REG 20	8933	22-Jul-20	BENTHIC REG	AIR TEMP	19		C
REG 20	8933	22-Jul-20	BENTHIC REG	SED_TYPE(1)		Clay with Silt	
REG 20	8933	22-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
REG 20	8933	22-Jul-20	BENTHIC REG	SED_DEPTH(1)	13		cm
REG 20	8933	22-Jul-20	BENTHIC REG	DEPART TIME	1320		
REG 20	8933	22-Jul-20	BENTHIC REG	COMMENTS			

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8929	29-Jul-20	BENTHIC REG	ARRIVE TIME	851		
REG 20	8929	29-Jul-20	BENTHIC REG	DEPTH METER	7		m
REG 20	8929	29-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8929	29-Jul-20	BENTHIC REG	STN LONG MIN	15.552		
REG 20	8929	29-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8929	29-Jul-20	BENTHIC REG	STN LAT MIN	45.217		
REG 20	8929	29-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8929	29-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8929	29-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8929	29-Jul-20	BENTHIC REG	WIND SPEED	0		kts
REG 20	8929	29-Jul-20	BENTHIC REG	WATER COLOR CODE		Blue	
REG 20	8929	29-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8929	29-Jul-20	BENTHIC REG	WIND DIR		XX	
REG 20	8929	29-Jul-20	BENTHIC REG	VISIBILITY	8		mi
REG 20	8929	29-Jul-20	BENTHIC REG	AIR TEMP	17		C
REG 20	8929	29-Jul-20	BENTHIC REG	SED_TYPE(1)		Fine sand	
REG 20	8929	29-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
REG 20	8929	29-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
REG 20	8929	29-Jul-20	BENTHIC REG	DEPART TIME	903		
REG 20	8929	29-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8931	29-Jul-20	BENTHIC REG	ARRIVE TIME	821		
REG 20	8931	29-Jul-20	BENTHIC REG	DEPTH METER	74		m
REG 20	8931	29-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8931	29-Jul-20	BENTHIC REG	STN LONG MIN	19.742		
REG 20	8931	29-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8931	29-Jul-20	BENTHIC REG	STN LAT MIN	47.26		
REG 20	8931	29-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8931	29-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8931	29-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8931	29-Jul-20	BENTHIC REG	WIND SPEED	4		kts
REG 20	8931	29-Jul-20	BENTHIC REG	WATER COLOR CODE		Blue	
REG 20	8931	29-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8931	29-Jul-20	BENTHIC REG	WIND DIR		SW	
REG 20	8931	29-Jul-20	BENTHIC REG	VISIBILITY	8		mi
REG 20	8931	29-Jul-20	BENTHIC REG	AIR TEMP	18		C
REG 20	8931	29-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt and Clay	
REG 20	8931	29-Jul-20	BENTHIC REG	SED_TEMP(1)	10		
REG 20	8931	29-Jul-20	BENTHIC REG	SED_DEPTH(1)	13		cm
REG 20	8931	29-Jul-20	BENTHIC REG	DEPART TIME	836		
REG 20	8931	29-Jul-20	BENTHIC REG	COMMENTS			
REG 20	8946	29-Jul-20	BENTHIC REG	ARRIVE TIME	1053		
REG 20	8946	29-Jul-20	BENTHIC REG	DEPTH METER	15		m
REG 20	8946	29-Jul-20	BENTHIC REG	STN LONG DEG	117		
REG 20	8946	29-Jul-20	BENTHIC REG	STN LONG MIN	11.135		

## Addendum 1-1C *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
REG 20	8946	29-Jul-20	BENTHIC REG	STN LAT DEG	32		
REG 20	8946	29-Jul-20	BENTHIC REG	STN LAT MIN	39.266		
REG 20	8946	29-Jul-20	BENTHIC REG	WAVE PER		13-15	sec
REG 20	8946	29-Jul-20	BENTHIC REG	WAVE HEIGHT LOW	3		ft
REG 20	8946	29-Jul-20	BENTHIC REG	SEA STATE		Calm	
REG 20	8946	29-Jul-20	BENTHIC REG	WIND SPEED	4		kts
REG 20	8946	29-Jul-20	BENTHIC REG	WATER COLOR CODE		Green	
REG 20	8946	29-Jul-20	BENTHIC REG	WEATHER DESC		Overcast	
REG 20	8946	29-Jul-20	BENTHIC REG	WIND DIR		SW	
REG 20	8946	29-Jul-20	BENTHIC REG	VISIBILITY	8		mi
REG 20	8946	29-Jul-20	BENTHIC REG	AIR TEMP	18		C
REG 20	8946	29-Jul-20	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand	
REG 20	8946	29-Jul-20	BENTHIC REG	SED_TEMP(1)	12		
REG 20	8946	29-Jul-20	BENTHIC REG	SED_DEPTH(1)	6		cm
REG 20	8946	29-Jul-20	BENTHIC REG	DEPART TIME	1115		
REG 20	8946	29-Jul-20	BENTHIC REG	COMMENTS		Grab failure due to < 5 cm Penetration Grab failure due to Washed	

## Addendum 1-2A

Visual observations from PLOO trawl stations sampled during 2020.

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	SD7	16-Jan-20	AIR TEMP	13		C
PLOO	SD7	16-Jan-20	WIND SPEED	4		kts
PLOO	SD7	16-Jan-20	WIND DIR		NE	
PLOO	SD7	16-Jan-20	START LONG DEG	117		
PLOO	SD7	16-Jan-20	START LONG MIN	18.348		
PLOO	SD7	16-Jan-20	START LAT DEG	32		
PLOO	SD7	16-Jan-20	START LAT MIN	35.033		
PLOO	SD7	16-Jan-20	START DEPTH METER	97		m
PLOO	SD7	16-Jan-20	END LONG DEG	117		
PLOO	SD7	16-Jan-20	END LONG MIN	18.503		
PLOO	SD7	16-Jan-20	END LAT DEG	32		
PLOO	SD7	16-Jan-20	END LAT MIN	35.285		
PLOO	SD7	16-Jan-20	END DEPTH METER	97		m
PLOO	SD7	16-Jan-20	DEPTH METER	97		m
PLOO	SD7	16-Jan-20	COMMENTS			
PLOO	SD7	16-Jan-20	VISIBILITY	6		mi
PLOO	SD7	16-Jan-20	WEATHER DESC		Overcast	
PLOO	SD7	16-Jan-20	SEA STATE		Choppy	
PLOO	SD7	16-Jan-20	WAVE HEIGHT LOW	4		ft
PLOO	SD7	16-Jan-20	WATER COLOR CODE		Blue	
PLOO	SD7	16-Jan-20	WAVE PER	13-15		sec
PLOO	SD8	16-Jan-20	AIR TEMP	12		C
PLOO	SD8	16-Jan-20	WIND SPEED	6		kts
PLOO	SD8	16-Jan-20	WIND DIR		N	
PLOO	SD8	16-Jan-20	START LONG DEG	117		
PLOO	SD8	16-Jan-20	START LONG MIN	19.265		
PLOO	SD8	16-Jan-20	START LAT DEG	32		
PLOO	SD8	16-Jan-20	START LAT MIN	37.397		
PLOO	SD8	16-Jan-20	START DEPTH METER	98		m
PLOO	SD8	16-Jan-20	END LONG DEG	117		
PLOO	SD8	16-Jan-20	END LONG MIN	19.447		
PLOO	SD8	16-Jan-20	END LAT DEG	32		
PLOO	SD8	16-Jan-20	END LAT MIN	37.577		
PLOO	SD8	16-Jan-20	END DEPTH METER	99		m
PLOO	SD8	16-Jan-20	DEPTH METER	98		m
PLOO	SD8	16-Jan-20	COMMENTS			
PLOO	SD8	16-Jan-20	VISIBILITY	6		mi
PLOO	SD8	16-Jan-20	WEATHER DESC		Overcast	
PLOO	SD8	16-Jan-20	SEA STATE		Choppy	
PLOO	SD8	16-Jan-20	WAVE HEIGHT LOW	4		ft
PLOO	SD8	16-Jan-20	WATER COLOR CODE		Blue	
PLOO	SD8	16-Jan-20	WAVE PER	13-15		sec
PLOO	SD10	16-Jan-20	AIR TEMP	12		C
PLOO	SD10	16-Jan-20	WIND SPEED	13		kts
PLOO	SD10	16-Jan-20	WIND DIR		NE	
PLOO	SD10	16-Jan-20	START LONG DEG	117		

**Addendum 1-2A** *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	SD10	16-Jan-20	START LONG MIN	19.421		
PLOO	SD10	16-Jan-20	START LAT DEG	32		
PLOO	SD10	16-Jan-20	START LAT MIN	38.991		
PLOO	SD10	16-Jan-20	START DEPTH METER	86		m
PLOO	SD10	16-Jan-20	END LONG DEG	117		
PLOO	SD10	16-Jan-20	END LONG MIN	19.573		
PLOO	SD10	16-Jan-20	END LAT DEG	32		
PLOO	SD10	16-Jan-20	END LAT MIN	39.235		
PLOO	SD10	16-Jan-20	END DEPTH METER	84		m
PLOO	SD10	16-Jan-20	DEPTH METER	85		m
PLOO	SD10	16-Jan-20	COMMENTS		Red tuna crab present; 246 kg total haul weight	
PLOO	SD10	16-Jan-20	VISIBILITY	6		mi
PLOO	SD10	16-Jan-20	WEATHER DESC		Overcast	
PLOO	SD10	16-Jan-20	SEA STATE		Choppy	
PLOO	SD10	16-Jan-20	WAVE HEIGHT LOW	4		ft
PLOO	SD10	16-Jan-20	WATER COLOR CODE		Blue	
PLOO	SD10	16-Jan-20	WAVE PER	13-15		sec
PLOO	SD12	14-Jan-20	AIR TEMP	14		C
PLOO	SD12	14-Jan-20	WIND SPEED	6		kts
PLOO	SD12	14-Jan-20	WIND DIR		NW	
PLOO	SD12	14-Jan-20	START LONG DEG	117		
PLOO	SD12	14-Jan-20	START LONG MIN	19.832		
PLOO	SD12	14-Jan-20	START LAT DEG	32		
PLOO	SD12	14-Jan-20	START LAT MIN	40.652		
PLOO	SD12	14-Jan-20	START DEPTH METER	107		m
PLOO	SD12	14-Jan-20	END LONG DEG	117		
PLOO	SD12	14-Jan-20	END LONG MIN	19.811		
PLOO	SD12	14-Jan-20	END LAT DEG	32		
PLOO	SD12	14-Jan-20	END LAT MIN	40.901		
PLOO	SD12	14-Jan-20	END DEPTH METER	103		m
PLOO	SD12	14-Jan-20	DEPTH METER	105		m
PLOO	SD12	14-Jan-20	COMMENTS		Red Tuna Crab Present; 360 kg total haul weight	
PLOO	SD12	14-Jan-20	VISIBILITY	11		mi
PLOO	SD12	14-Jan-20	WEATHER DESC		Overcast	
PLOO	SD12	14-Jan-20	SEA STATE		Choppy	
PLOO	SD12	14-Jan-20	WAVE HEIGHT LOW	5		ft
PLOO	SD12	14-Jan-20	WATER COLOR CODE		Blue	
PLOO	SD12	14-Jan-20	WAVE PER	13-15		sec
PLOO	SD13	14-Jan-20	AIR TEMP	13		C
PLOO	SD13	14-Jan-20	WIND SPEED	1		kts
PLOO	SD13	14-Jan-20	WIND DIR		NE	
PLOO	SD13	14-Jan-20	START LONG DEG	117		
PLOO	SD13	14-Jan-20	START LONG MIN	20.177		
PLOO	SD13	14-Jan-20	START LAT DEG	32		
PLOO	SD13	14-Jan-20	START LAT MIN	42.703		

**Addendum 1-2A** *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	SD13	14-Jan-20	START DEPTH METER	98		m
PLOO	SD13	14-Jan-20	END LONG DEG	117		
PLOO	SD13	14-Jan-20	END LONG MIN	20.327		
PLOO	SD13	14-Jan-20	END LAT DEG	32		
PLOO	SD13	14-Jan-20	END LAT MIN	42.969		
PLOO	SD13	14-Jan-20	END DEPTH METER	102		m
PLOO	SD13	14-Jan-20	DEPTH METER	100		m
PLOO	SD13	14-Jan-20	COMMENTS		Red Tuna Crab Present; 340 kg total haul weight	
PLOO	SD13	14-Jan-20	VISIBILITY	11		mi
PLOO	SD13	14-Jan-20	WEATHER DESC		Overcast	
PLOO	SD13	14-Jan-20	SEA STATE		Choppy	
PLOO	SD13	14-Jan-20	WAVE HEIGHT LOW	5		ft
PLOO	SD13	14-Jan-20	WATER COLOR CODE		Blue	
PLOO	SD13	14-Jan-20	WAVE PER	13-15		sec
PLOO	SD14	14-Jan-20	AIR TEMP	12		C
PLOO	SD14	14-Jan-20	WIND SPEED	6		kts
PLOO	SD14	14-Jan-20	WIND DIR		NE	
PLOO	SD14	14-Jan-20	START LONG DEG	117		
PLOO	SD14	14-Jan-20	START LONG MIN	20.955		
PLOO	SD14	14-Jan-20	START LAT DEG	32		
PLOO	SD14	14-Jan-20	START LAT MIN	44.286		
PLOO	SD14	14-Jan-20	START DEPTH METER	101		m
PLOO	SD14	14-Jan-20	END LONG DEG	117		
PLOO	SD14	14-Jan-20	END LONG MIN	21.101		
PLOO	SD14	14-Jan-20	END LAT DEG	32		
PLOO	SD14	14-Jan-20	END LAT MIN	44.497		
PLOO	SD14	14-Jan-20	END DEPTH METER	100		m
PLOO	SD14	14-Jan-20	DEPTH METER	100		m
PLOO	SD14	14-Jan-20	COMMENTS		Red Tuna Crab present; 295 kg total haul weight	
PLOO	SD14	14-Jan-20	VISIBILITY	11		mi
PLOO	SD14	14-Jan-20	WEATHER DESC		Overcast	
PLOO	SD14	14-Jan-20	SEA STATE		Choppy	
PLOO	SD14	14-Jan-20	WAVE HEIGHT LOW	5		ft
PLOO	SD14	14-Jan-20	WATER COLOR CODE		Blue	
PLOO	SD14	14-Jan-20	WAVE PER	13-15		sec
PLOO	SD7	7-Jul-20	AIR TEMP	20		C
PLOO	SD7	7-Jul-20	WIND SPEED	3		kts
PLOO	SD7	7-Jul-20	WIND DIR		S	
PLOO	SD7	7-Jul-20	START LONG DEG	117		
PLOO	SD7	7-Jul-20	START LONG MIN	18.283		
PLOO	SD7	7-Jul-20	START LAT DEG	32		
PLOO	SD7	7-Jul-20	START LAT MIN	34.867		
PLOO	SD7	7-Jul-20	START DEPTH METER	98		m
PLOO	SD7	7-Jul-20	END LONG DEG	117		
PLOO	SD7	7-Jul-20	END LONG MIN	18.447		



**Addendum 1-2A** *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	SD7	7-Jul-20	END LAT DEG	32		
PLOO	SD7	7-Jul-20	END LAT MIN	35.151		
PLOO	SD7	7-Jul-20	END DEPTH METER	98		m
PLOO	SD7	7-Jul-20	DEPTH METER	98		m
PLOO	SD7	7-Jul-20	COMMENTS			
PLOO	SD7	7-Jul-20	VISIBILITY	12		mi
PLOO	SD7	7-Jul-20	WEATHER DESC		Partly Cloudy	
PLOO	SD7	7-Jul-20	SEA STATE		Calm	
PLOO	SD7	7-Jul-20	WAVE HEIGHT LOW	5		ft
PLOO	SD7	7-Jul-20	WATER COLOR CODE		Bluish-Green	
PLOO	SD7	7-Jul-20	WAVE PER	13-15		sec
PLOO	SD8	7-Jul-20	AIR TEMP	20		C
PLOO	SD8	7-Jul-20	WIND SPEED	5		kts
PLOO	SD8	7-Jul-20	WIND DIR		SE	
PLOO	SD8	7-Jul-20	START LONG DEG	117		
PLOO	SD8	7-Jul-20	START LONG MIN	19.219		
PLOO	SD8	7-Jul-20	START LAT DEG	32		
PLOO	SD8	7-Jul-20	START LAT MIN	37.367		
PLOO	SD8	7-Jul-20	START DEPTH METER	99		m
PLOO	SD8	7-Jul-20	END LONG DEG	117		
PLOO	SD8	7-Jul-20	END LONG MIN	19.386		
PLOO	SD8	7-Jul-20	END LAT DEG	32		
PLOO	SD8	7-Jul-20	END LAT MIN	37.573		
PLOO	SD8	7-Jul-20	END DEPTH METER	99		m
PLOO	SD8	7-Jul-20	DEPTH METER	99		m
PLOO	SD8	7-Jul-20	COMMENTS			
PLOO	SD8	7-Jul-20	VISIBILITY	12		mi
PLOO	SD8	7-Jul-20	WEATHER DESC		Partly Cloudy	
PLOO	SD8	7-Jul-20	SEA STATE		Calm	
PLOO	SD8	7-Jul-20	WAVE HEIGHT LOW	5		ft
PLOO	SD8	7-Jul-20	WATER COLOR CODE		Bluish-Green	
PLOO	SD8	7-Jul-20	WAVE PER	13-15		sec
PLOO	SD10	9-Jul-20	AIR TEMP	18		C
PLOO	SD10	9-Jul-20	WIND SPEED	3		kts
PLOO	SD10	9-Jul-20	WIND DIR		NW	
PLOO	SD10	9-Jul-20	START LONG DEG	117		
PLOO	SD10	9-Jul-20	START LONG MIN	19.42		
PLOO	SD10	9-Jul-20	START LAT DEG	32		
PLOO	SD10	9-Jul-20	START LAT MIN	39.06		
PLOO	SD10	9-Jul-20	START DEPTH METER	98		m
PLOO	SD10	9-Jul-20	END LONG DEG	117		
PLOO	SD10	9-Jul-20	END LONG MIN	19.614		
PLOO	SD10	9-Jul-20	END LAT DEG	32		
PLOO	SD10	9-Jul-20	END LAT MIN	39.245		
PLOO	SD10	9-Jul-20	END DEPTH METER	101		m
PLOO	SD10	9-Jul-20	DEPTH METER	100		m



**Addendum 1-2A** *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	SD10	9-Jul-20	COMMENTS		Trawl net on bottom for 12 min 30 secs according to pressure sensor	
PLOO	SD10	9-Jul-20	VISIBILITY	9		mi
PLOO	SD10	9-Jul-20	WEATHER DESC		Overcast	
PLOO	SD10	9-Jul-20	SEA STATE		Calm	
PLOO	SD10	9-Jul-20	WAVE HEIGHT LOW	3		ft
PLOO	SD10	9-Jul-20	WATER COLOR CODE		Green	
PLOO	SD10	9-Jul-20	WAVE PER	10-Sep		sec
PLOO	SD12	8-Jul-20	AIR TEMP	19		C
PLOO	SD12	8-Jul-20	WIND SPEED	7		kts
PLOO	SD12	8-Jul-20	WIND DIR		S	
PLOO	SD12	8-Jul-20	START LONG DEG	117		
PLOO	SD12	8-Jul-20	START LONG MIN	19.808		
PLOO	SD12	8-Jul-20	START LAT DEG	32		
PLOO	SD12	8-Jul-20	START LAT MIN	40.629		
PLOO	SD12	8-Jul-20	START DEPTH METER	107		m
PLOO	SD12	8-Jul-20	END LONG DEG	117		
PLOO	SD12	8-Jul-20	END LONG MIN	19.805		
PLOO	SD12	8-Jul-20	END LAT DEG	32		
PLOO	SD12	8-Jul-20	END LAT MIN	40.883		
PLOO	SD12	8-Jul-20	END DEPTH METER	106		m
PLOO	SD12	8-Jul-20	DEPTH METER	106		m
PLOO	SD12	8-Jul-20	COMMENTS		106m for 13 min 40 sec	
PLOO	SD12	8-Jul-20	VISIBILITY	9		mi
PLOO	SD12	8-Jul-20	WEATHER DESC		Clear	
PLOO	SD12	8-Jul-20	SEA STATE		Choppy	
PLOO	SD12	8-Jul-20	WAVE HEIGHT LOW	4		ft
PLOO	SD12	8-Jul-20	WATER COLOR CODE		Blue	
PLOO	SD12	8-Jul-20	WAVE PER	13-15		sec
PLOO	SD13	8-Jul-20	AIR TEMP	20		C
PLOO	SD13	8-Jul-20	WIND SPEED	0		kts
PLOO	SD13	8-Jul-20	WIND DIR			
PLOO	SD13	8-Jul-20	START LONG DEG	117		
PLOO	SD13	8-Jul-20	START LONG MIN	20.076		
PLOO	SD13	8-Jul-20	START LAT DEG	32		
PLOO	SD13	8-Jul-20	START LAT MIN	42.652		
PLOO	SD13	8-Jul-20	START DEPTH METER	95		m
PLOO	SD13	8-Jul-20	END LONG DEG	117		
PLOO	SD13	8-Jul-20	END LONG MIN	20.228		
PLOO	SD13	8-Jul-20	END LAT DEG	32		
PLOO	SD13	8-Jul-20	END LAT MIN	42.873		
PLOO	SD13	8-Jul-20	END DEPTH METER	98		m
PLOO	SD13	8-Jul-20	DEPTH METER	96		m
PLOO	SD13	8-Jul-20	COMMENTS		95m for 12min 10 sec	
PLOO	SD13	8-Jul-20	VISIBILITY	9		mi

## Addendum 1-2A *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	SD13	8-Jul-20	WEATHER DESC		Overcast	
PLOO	SD13	8-Jul-20	SEA STATE		Choppy	
PLOO	SD13	8-Jul-20	WAVE HEIGHT LOW	4		ft
PLOO	SD13	8-Jul-20	WATER COLOR CODE		Blue	
PLOO	SD13	8-Jul-20	WAVE PER	13-15		sec
PLOO	SD14	8-Jul-20	AIR TEMP	20		C
PLOO	SD14	8-Jul-20	WIND SPEED	0		kts
PLOO	SD14	8-Jul-20	WIND DIR			
PLOO	SD14	8-Jul-20	START LONG DEG	117		
PLOO	SD14	8-Jul-20	START LONG MIN	20.871		
PLOO	SD14	8-Jul-20	START LAT DEG	32		
PLOO	SD14	8-Jul-20	START LAT MIN	44.141		
PLOO	SD14	8-Jul-20	START DEPTH METER	100		m
PLOO	SD14	8-Jul-20	END LONG DEG	117		
PLOO	SD14	8-Jul-20	END LONG MIN	21.019		
PLOO	SD14	8-Jul-20	END LAT DEG	32		
PLOO	SD14	8-Jul-20	END LAT MIN	44.454		
PLOO	SD14	8-Jul-20	END DEPTH METER	101		m
PLOO	SD14	8-Jul-20	DEPTH METER	100		m
PLOO	SD14	8-Jul-20	COMMENTS		100m for 12min 20 sec	
PLOO	SD14	8-Jul-20	VISIBILITY	9		mi
PLOO	SD14	8-Jul-20	WEATHER DESC		Overcast	
PLOO	SD14	8-Jul-20	SEA STATE		Choppy	
PLOO	SD14	8-Jul-20	WAVE HEIGHT LOW	4		ft
PLOO	SD14	8-Jul-20	WATER COLOR CODE		Blue	
PLOO	SD14	8-Jul-20	WAVE PER	13-15		sec

## Addendum 1-2B

Visual observations from SBOO trawl stations sampled during 2020.

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	SD15	17-Jan-20	AIR TEMP	13		C
SBOO	SD15	17-Jan-20	WIND SPEED	9		kts
SBOO	SD15	17-Jan-20	WIND DIR		E	
SBOO	SD15	17-Jan-20	START LONG DEG	117		
SBOO	SD15	17-Jan-20	START LONG MIN	10.454		
SBOO	SD15	17-Jan-20	START LAT DEG	32		
SBOO	SD15	17-Jan-20	START LAT MIN	28.297		
SBOO	SD15	17-Jan-20	START DEPTH METER	28		m
SBOO	SD15	17-Jan-20	END LONG DEG	117		
SBOO	SD15	17-Jan-20	END LONG MIN	10.534		
SBOO	SD15	17-Jan-20	END LAT DEG	32		
SBOO	SD15	17-Jan-20	END LAT MIN	28.507		
SBOO	SD15	17-Jan-20	END DEPTH METER	28		m
SBOO	SD15	17-Jan-20	DEPTH METER	28		m
SBOO	SD15	17-Jan-20	COMMENTS			
SBOO	SD15	17-Jan-20	VISIBILITY	4		mi
SBOO	SD15	17-Jan-20	WEATHER DESC		Overcast	
SBOO	SD15	17-Jan-20	SEA STATE		Choppy	
SBOO	SD15	17-Jan-20	WAVE HEIGHT LOW	4		ft
SBOO	SD15	17-Jan-20	WATER COLOR CODE		Green	
SBOO	SD15	17-Jan-20	WAVE PER	13-15		sec
SBOO	SD16	17-Jan-20	AIR TEMP	12		C
SBOO	SD16	17-Jan-20	WIND SPEED	3		kts
SBOO	SD16	17-Jan-20	WIND DIR		E	
SBOO	SD16	17-Jan-20	START LONG DEG	117		
SBOO	SD16	17-Jan-20	START LONG MIN	10.74		
SBOO	SD16	17-Jan-20	START LAT DEG	32		
SBOO	SD16	17-Jan-20	START LAT MIN	31.011		
SBOO	SD16	17-Jan-20	START DEPTH METER	30		m
SBOO	SD16	17-Jan-20	END LONG DEG	117		
SBOO	SD16	17-Jan-20	END LONG MIN	10.864		
SBOO	SD16	17-Jan-20	END LAT DEG	32		
SBOO	SD16	17-Jan-20	END LAT MIN	31.249		
SBOO	SD16	17-Jan-20	END DEPTH METER	29		m
SBOO	SD16	17-Jan-20	DEPTH METER	30		m
SBOO	SD16	17-Jan-20	COMMENTS			
SBOO	SD16	17-Jan-20	VISIBILITY	4		mi
SBOO	SD16	17-Jan-20	WEATHER DESC		Rain	
SBOO	SD16	17-Jan-20	SEA STATE		Choppy	
SBOO	SD16	17-Jan-20	WAVE HEIGHT LOW	4		ft
SBOO	SD16	17-Jan-20	WATER COLOR CODE		Green	
SBOO	SD16	17-Jan-20	WAVE PER	13-15		sec
SBOO	SD17	17-Jan-20	AIR TEMP	13		C
SBOO	SD17	17-Jan-20	WIND SPEED	5		kts
SBOO	SD17	17-Jan-20	WIND DIR		E	
SBOO	SD17	17-Jan-20	START LONG DEG	117		

**Addendum 1-2B** *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	SD17	17-Jan-20	START LONG MIN	11.265		
SBOO	SD17	17-Jan-20	START LAT DEG	32		
SBOO	SD17	17-Jan-20	START LAT MIN	31.775		
SBOO	SD17	17-Jan-20	START DEPTH METER	30		m
SBOO	SD17	17-Jan-20	END LONG DEG	117		
SBOO	SD17	17-Jan-20	END LONG MIN	11.321		
SBOO	SD17	17-Jan-20	END LAT DEG	32		
SBOO	SD17	17-Jan-20	END LAT MIN	32.087		
SBOO	SD17	17-Jan-20	END DEPTH METER	31		m
SBOO	SD17	17-Jan-20	DEPTH METER	30		m
SBOO	SD17	17-Jan-20	COMMENTS			
SBOO	SD17	17-Jan-20	VISIBILITY	4		mi
SBOO	SD17	17-Jan-20	WEATHER DESC		Partly Cloudy	
SBOO	SD17	17-Jan-20	SEA STATE		Choppy	
SBOO	SD17	17-Jan-20	WAVE HEIGHT LOW	4		ft
SBOO	SD17	17-Jan-20	WATER COLOR CODE		Green	
SBOO	SD17	17-Jan-20	WAVE PER	13-15		sec
SBOO	SD18	10-Jan-20	AIR TEMP	12		C
SBOO	SD18	10-Jan-20	WIND SPEED	10		kts
SBOO	SD18	10-Jan-20	WIND DIR		N	
SBOO	SD18	10-Jan-20	START LONG DEG	117		
SBOO	SD18	10-Jan-20	START LONG MIN	11.378		
SBOO	SD18	10-Jan-20	START LAT DEG	32		
SBOO	SD18	10-Jan-20	START LAT MIN	32.472		
SBOO	SD18	10-Jan-20	START DEPTH METER	32		m
SBOO	SD18	10-Jan-20	END LONG DEG	117		
SBOO	SD18	10-Jan-20	END LONG MIN	11.388		
SBOO	SD18	10-Jan-20	END LAT DEG	32		
SBOO	SD18	10-Jan-20	END LAT MIN	32.871		
SBOO	SD18	10-Jan-20	END DEPTH METER	32		m
SBOO	SD18	10-Jan-20	DEPTH METER	32		m
SBOO	SD18	10-Jan-20	COMMENTS			
SBOO	SD18	10-Jan-20	VISIBILITY	11		mi
SBOO	SD18	10-Jan-20	WEATHER DESC		Clear	
SBOO	SD18	10-Jan-20	SEA STATE		Calm	
SBOO	SD18	10-Jan-20	WAVE HEIGHT LOW	6		ft
SBOO	SD18	10-Jan-20	WATER COLOR CODE		Blue	
SBOO	SD18	10-Jan-20	WAVE PER	9-10		sec
SBOO	SD19	10-Jan-20	AIR TEMP	13		C
SBOO	SD19	10-Jan-20	WIND SPEED	5		kts
SBOO	SD19	10-Jan-20	WIND DIR		N	
SBOO	SD19	10-Jan-20	START LONG DEG	117		
SBOO	SD19	10-Jan-20	START LONG MIN	11.063		
SBOO	SD19	10-Jan-20	START LAT DEG	32		
SBOO	SD19	10-Jan-20	START LAT MIN	33.485		
SBOO	SD19	10-Jan-20	START DEPTH METER	29		m
SBOO	SD19	10-Jan-20	END LONG DEG	117		

**Addendum 1-2B** *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	SD19	10-Jan-20	END LONG MIN	11.283		
SBOO	SD19	10-Jan-20	END LAT DEG	32		
SBOO	SD19	10-Jan-20	END LAT MIN	33.718		
SBOO	SD19	10-Jan-20	END DEPTH METER	31		m
SBOO	SD19	10-Jan-20	DEPTH METER	30		m
SBOO	SD19	10-Jan-20	COMMENTS			
SBOO	SD19	10-Jan-20	VISIBILITY	11		mi
SBOO	SD19	10-Jan-20	WEATHER DESC		Clear	
SBOO	SD19	10-Jan-20	SEA STATE		Calm	
SBOO	SD19	10-Jan-20	WAVE HEIGHT LOW	6		ft
SBOO	SD19	10-Jan-20	WATER COLOR CODE		Blue	
SBOO	SD19	10-Jan-20	WAVE PER	9-10		sec
SBOO	SD20	10-Jan-20	AIR TEMP	13		C
SBOO	SD20	10-Jan-20	WIND SPEED	2		kts
SBOO	SD20	10-Jan-20	WIND DIR		NW	
SBOO	SD20	10-Jan-20	START LONG DEG	117		
SBOO	SD20	10-Jan-20	START LONG MIN	11.399		
SBOO	SD20	10-Jan-20	START LAT DEG	32		
SBOO	SD20	10-Jan-20	START LAT MIN	34.648		
SBOO	SD20	10-Jan-20	START DEPTH METER	28		m
SBOO	SD20	10-Jan-20	END LONG DEG	117		
SBOO	SD20	10-Jan-20	END LONG MIN	11.633		
SBOO	SD20	10-Jan-20	END LAT DEG	32		
SBOO	SD20	10-Jan-20	END LAT MIN	34.99		
SBOO	SD20	10-Jan-20	END DEPTH METER	29		m
SBOO	SD20	10-Jan-20	DEPTH METER	28		m
SBOO	SD20	10-Jan-20	COMMENTS			
SBOO	SD20	10-Jan-20	VISIBILITY	11		mi
SBOO	SD20	10-Jan-20	WEATHER DESC		Clear	
SBOO	SD20	10-Jan-20	SEA STATE		Calm	
SBOO	SD20	10-Jan-20	WAVE HEIGHT LOW	6		ft
SBOO	SD20	10-Jan-20	WATER COLOR CODE		Blue	
SBOO	SD20	10-Jan-20	WAVE PER	9-10		sec
SBOO	SD21	10-Jan-20	AIR TEMP	13		C
SBOO	SD21	10-Jan-20	WIND SPEED	5		kts
SBOO	SD21	10-Jan-20	WIND DIR		NW	
SBOO	SD21	10-Jan-20	START LONG DEG	117		
SBOO	SD21	10-Jan-20	START LONG MIN	12.682		
SBOO	SD21	10-Jan-20	START LAT DEG	32		
SBOO	SD21	10-Jan-20	START LAT MIN	36.965		
SBOO	SD21	10-Jan-20	START DEPTH METER	29		m
SBOO	SD21	10-Jan-20	END LONG DEG	117		
SBOO	SD21	10-Jan-20	END LONG MIN	12.841		
SBOO	SD21	10-Jan-20	END LAT DEG	32		
SBOO	SD21	10-Jan-20	END LAT MIN	37.18		
SBOO	SD21	10-Jan-20	END DEPTH METER	28		m
SBOO	SD21	10-Jan-20	DEPTH METER	28		m

**Addendum 1-2B** *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	SD21	10-Jan-20	COMMENTS			
SBOO	SD21	10-Jan-20	VISIBILITY	11		mi
SBOO	SD21	10-Jan-20	WEATHER DESC		Clear	
SBOO	SD21	10-Jan-20	SEA STATE		Calm	
SBOO	SD21	10-Jan-20	WAVE HEIGHT LOW	6		ft
SBOO	SD21	10-Jan-20	WATER COLOR CODE		Blue	
SBOO	SD21	10-Jan-20	WAVE PER	9-10		sec
SBOO	SD15	6-Jul-20	AIR TEMP	18		C
SBOO	SD15	6-Jul-20	WIND SPEED	1		kts
SBOO	SD15	6-Jul-20	WIND DIR		S	
SBOO	SD15	6-Jul-20	START LONG DEG	117		
SBOO	SD15	6-Jul-20	START LONG MIN	10.442		
SBOO	SD15	6-Jul-20	START LAT DEG	32		
SBOO	SD15	6-Jul-20	START LAT MIN	28.244		
SBOO	SD15	6-Jul-20	START DEPTH METER	27		m
SBOO	SD15	6-Jul-20	END LONG DEG	117		
SBOO	SD15	6-Jul-20	END LONG MIN	10.581		
SBOO	SD15	6-Jul-20	END LAT DEG	32		
SBOO	SD15	6-Jul-20	END LAT MIN	28.543		
SBOO	SD15	6-Jul-20	END DEPTH METER	28		m
SBOO	SD15	6-Jul-20	DEPTH METER	28		m
SBOO	SD15	6-Jul-20	COMMENTS		,	
SBOO	SD15	6-Jul-20	VISIBILITY	4		mi
SBOO	SD15	6-Jul-20	WEATHER DESC		Fog	
SBOO	SD15	6-Jul-20	SEA STATE		Choppy	
SBOO	SD15	6-Jul-20	WAVE HEIGHT LOW	4		ft
SBOO	SD15	6-Jul-20	WATER COLOR CODE		Green	
SBOO	SD15	6-Jul-20	WAVE PER	9-10		sec
SBOO	SD16	6-Jul-20	AIR TEMP	18		C
SBOO	SD16	6-Jul-20	WIND SPEED	2		kts
SBOO	SD16	6-Jul-20	WIND DIR		S	
SBOO	SD16	6-Jul-20	START LONG DEG	117		
SBOO	SD16	6-Jul-20	START LONG MIN	10.694		
SBOO	SD16	6-Jul-20	START LAT DEG	32		
SBOO	SD16	6-Jul-20	START LAT MIN	30.952		
SBOO	SD16	6-Jul-20	START DEPTH METER	29		m
SBOO	SD16	6-Jul-20	END LONG DEG	117		
SBOO	SD16	6-Jul-20	END LONG MIN	10.799		
SBOO	SD16	6-Jul-20	END LAT DEG	32		
SBOO	SD16	6-Jul-20	END LAT MIN	31.215		
SBOO	SD16	6-Jul-20	END DEPTH METER	28		m
SBOO	SD16	6-Jul-20	DEPTH METER	28		m
SBOO	SD16	6-Jul-20	COMMENTS			
SBOO	SD16	6-Jul-20	VISIBILITY	4		mi
SBOO	SD16	6-Jul-20	WEATHER DESC		Fog	
SBOO	SD16	6-Jul-20	SEA STATE		Confused	
SBOO	SD16	6-Jul-20	WAVE HEIGHT LOW	4		ft

## Addendum 1-2B *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	SD16	6-Jul-20	WATER COLOR CODE		Green	
SBOO	SD16	6-Jul-20	WAVE PER	9-10		sec
SBOO	SD17	6-Jul-20	AIR TEMP	19		C
SBOO	SD17	6-Jul-20	WIND SPEED	4		kts
SBOO	SD17	6-Jul-20	WIND DIR		SE	
SBOO	SD17	6-Jul-20	START LONG DEG	117		
SBOO	SD17	6-Jul-20	START LONG MIN	11.281		
SBOO	SD17	6-Jul-20	START LAT DEG	32		
SBOO	SD17	6-Jul-20	START LAT MIN	31.794		
SBOO	SD17	6-Jul-20	START DEPTH METER	29		m
SBOO	SD17	6-Jul-20	END LONG DEG	117		
SBOO	SD17	6-Jul-20	END LONG MIN	11.247		
SBOO	SD17	6-Jul-20	END LAT DEG	32		
SBOO	SD17	6-Jul-20	END LAT MIN	32.136		
SBOO	SD17	6-Jul-20	END DEPTH METER	30		m
SBOO	SD17	6-Jul-20	DEPTH METER	30		m
SBOO	SD17	6-Jul-20	COMMENTS			
SBOO	SD17	6-Jul-20	VISIBILITY	4		mi
SBOO	SD17	6-Jul-20	WEATHER DESC		Fog	
SBOO	SD17	6-Jul-20	SEA STATE		Choppy	
SBOO	SD17	6-Jul-20	WAVE HEIGHT LOW	4		ft
SBOO	SD17	6-Jul-20	WATER COLOR CODE		Green	
SBOO	SD17	6-Jul-20	WAVE PER	9-10		sec
SBOO	SD18	6-Jul-20	AIR TEMP	20		C
SBOO	SD18	6-Jul-20	WIND SPEED	4		kts
SBOO	SD18	6-Jul-20	WIND DIR		SE	
SBOO	SD18	6-Jul-20	START LONG DEG	117		
SBOO	SD18	6-Jul-20	START LONG MIN	11.366		
SBOO	SD18	6-Jul-20	START LAT DEG	32		
SBOO	SD18	6-Jul-20	START LAT MIN	32.534		
SBOO	SD18	6-Jul-20	START DEPTH METER	28		m
SBOO	SD18	6-Jul-20	END LONG DEG	117		
SBOO	SD18	6-Jul-20	END LONG MIN	11.397		
SBOO	SD18	6-Jul-20	END LAT DEG	32		
SBOO	SD18	6-Jul-20	END LAT MIN	32.848		
SBOO	SD18	6-Jul-20	END DEPTH METER	29		m
SBOO	SD18	6-Jul-20	DEPTH METER	28		m
SBOO	SD18	6-Jul-20	COMMENTS			
SBOO	SD18	6-Jul-20	VISIBILITY	4		mi
SBOO	SD18	6-Jul-20	WEATHER DESC		Partly Cloudy	
SBOO	SD18	6-Jul-20	SEA STATE		Choppy	
SBOO	SD18	6-Jul-20	WAVE HEIGHT LOW	4		ft
SBOO	SD18	6-Jul-20	WATER COLOR CODE		Green	
SBOO	SD18	6-Jul-20	WAVE PER	9-10		sec
SBOO	SD19	6-Jul-20	AIR TEMP	20		C
SBOO	SD19	6-Jul-20	WIND SPEED	8		kts
SBOO	SD19	6-Jul-20	WIND DIR		S	



**Addendum 1-2B** *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	SD19	6-Jul-20	START LONG DEG	117		
SBOO	SD19	6-Jul-20	START LONG MIN	11.018		
SBOO	SD19	6-Jul-20	START LAT DEG	32		
SBOO	SD19	6-Jul-20	START LAT MIN	33.396		
SBOO	SD19	6-Jul-20	START DEPTH METER	28		m
SBOO	SD19	6-Jul-20	END LONG DEG	117		
SBOO	SD19	6-Jul-20	END LONG MIN	11.144		
SBOO	SD19	6-Jul-20	END LAT DEG	32		
SBOO	SD19	6-Jul-20	END LAT MIN	33.662		
SBOO	SD19	6-Jul-20	END DEPTH METER	28		m
SBOO	SD19	6-Jul-20	DEPTH METER	28		m
SBOO	SD19	6-Jul-20	COMMENTS			
SBOO	SD19	6-Jul-20	VISIBILITY	4		mi
SBOO	SD19	6-Jul-20	WEATHER DESC		Overcast	
SBOO	SD19	6-Jul-20	SEA STATE		Choppy	
SBOO	SD19	6-Jul-20	WAVE HEIGHT LOW	4		ft
SBOO	SD19	6-Jul-20	WATER COLOR CODE		Green	
SBOO	SD19	6-Jul-20	WAVE PER	9-10		sec
SBOO	SD20	7-Jul-20	AIR TEMP	19		C
SBOO	SD20	7-Jul-20	WIND SPEED	0		kts
SBOO	SD20	7-Jul-20	WIND DIR			
SBOO	SD20	7-Jul-20	START LONG DEG	117		
SBOO	SD20	7-Jul-20	START LONG MIN	11.382		
SBOO	SD20	7-Jul-20	START LAT DEG	32		
SBOO	SD20	7-Jul-20	START LAT MIN	34.662		
SBOO	SD20	7-Jul-20	START DEPTH METER	27		m
SBOO	SD20	7-Jul-20	END LONG DEG	117		
SBOO	SD20	7-Jul-20	END LONG MIN	11.577		
SBOO	SD20	7-Jul-20	END LAT DEG	32		
SBOO	SD20	7-Jul-20	END LAT MIN	34.919		
SBOO	SD20	7-Jul-20	END DEPTH METER	28		m
SBOO	SD20	7-Jul-20	DEPTH METER	28		m
SBOO	SD20	7-Jul-20	COMMENTS		14 minutes on bottom	
SBOO	SD20	7-Jul-20	VISIBILITY	5		mi
SBOO	SD20	7-Jul-20	WEATHER DESC		Overcast	
SBOO	SD20	7-Jul-20	SEA STATE		Calm	
SBOO	SD20	7-Jul-20	WAVE HEIGHT LOW	3		ft
SBOO	SD20	7-Jul-20	WATER COLOR CODE		Green	
SBOO	SD20	7-Jul-20	WAVE PER	13-15		sec
SBOO	SD21	7-Jul-20	AIR TEMP	20		C
SBOO	SD21	7-Jul-20	WIND SPEED	1		kts
SBOO	SD21	7-Jul-20	WIND DIR		S	
SBOO	SD21	7-Jul-20	START LONG DEG	117		
SBOO	SD21	7-Jul-20	START LONG MIN	12.675		
SBOO	SD21	7-Jul-20	START LAT DEG	32		
SBOO	SD21	7-Jul-20	START LAT MIN	36.956		
SBOO	SD21	7-Jul-20	START DEPTH METER	29		m

**Addendum 1-2B** *continued*

<b>PROJECT</b>	<b>STATION</b>	<b>DATE</b>	<b>PARMCODE</b>	<b>VALUE</b>	<b>TEXT_FIELD</b>	<b>UNITS</b>
SBOO	SD21	7-Jul-20	END LONG DEG	117		
SBOO	SD21	7-Jul-20	END LONG MIN	12.798		
SBOO	SD21	7-Jul-20	END LAT DEG	32		
SBOO	SD21	7-Jul-20	END LAT MIN	37.256		
SBOO	SD21	7-Jul-20	END DEPTH METER	27		m
SBOO	SD21	7-Jul-20	DEPTH METER	28		m
SBOO	SD21	7-Jul-20	COMMENTS		14 minutes on bottom from pressure probe. Kelp in trawl	
SBOO	SD21	7-Jul-20	VISIBILITY	5		mi
SBOO	SD21	7-Jul-20	WEATHER DESC		Overcast	
SBOO	SD21	7-Jul-20	SEA STATE		Calm	
SBOO	SD21	7-Jul-20	WAVE HEIGHT LOW	3		ft
SBOO	SD21	7-Jul-20	WATER COLOR CODE		Green	
SBOO	SD21	7-Jul-20	WAVE PER	13-15		sec

## Addendum 1-3A

Visual observations from PLOO trawl zones and rig fish stations sampled during 2020.

Project	Station	Date	Type	Parameters	Value	Text Field	Units
PLOO	TFZONE1	14-Oct-20	TB LIVER	STN LONG DEG	117		
PLOO	TFZONE1	14-Oct-20	TB LIVER	STN LONG MIN	19.766		
PLOO	TFZONE1	14-Oct-20	TB LIVER	STN LAT DEG	32		
PLOO	TFZONE1	14-Oct-20	TB LIVER	STN LAT MIN	40.043		
PLOO	TFZONE1	14-Oct-20	TB LIVER	DEPTH METER	104		m
PLOO	TFZONE1	14-Oct-20	TB LIVER	START TIME	818		
PLOO	TFZONE1	14-Oct-20	TB LIVER	END TIME	900		
PLOO	TFZONE1	14-Oct-20	TB LIVER	WATER COLOR CODE		Blue Green	
PLOO	TFZONE1	14-Oct-20	TB LIVER	SEA STATE		Light chop	
PLOO	TFZONE1	14-Oct-20	TB LIVER	WAVE HEIGHT LOW	3		ft
PLOO	TFZONE1	14-Oct-20	TB LIVER	WAVE PER	13		sec
PLOO	TFZONE1	14-Oct-20	TB LIVER	WIND SPEED	8		kts
PLOO	TFZONE1	14-Oct-20	TB LIVER	WIND DIR		SE	
PLOO	TFZONE1	14-Oct-20	TB LIVER	COMMENTS		Foggy; Pacific sanddab	
PLOO	TFZONE2	14-Oct-20	TB LIVER	STN LONG DEG	117		
PLOO	TFZONE2	14-Oct-20	TB LIVER	STN LONG MIN	20.281		
PLOO	TFZONE2	14-Oct-20	TB LIVER	STN LAT DEG	32		
PLOO	TFZONE2	14-Oct-20	TB LIVER	STN LAT MIN	42.839		
PLOO	TFZONE2	14-Oct-20	TB LIVER	DEPTH METER	100		m
PLOO	TFZONE2	14-Oct-20	TB LIVER	START TIME	930		
PLOO	TFZONE2	14-Oct-20	TB LIVER	END TIME	1005		
PLOO	TFZONE2	14-Oct-20	TB LIVER	WATER COLOR CODE		Brown Green	
PLOO	TFZONE2	14-Oct-20	TB LIVER	SEA STATE		Calm	
PLOO	TFZONE2	14-Oct-20	TB LIVER	WAVE HEIGHT LOW	13		ft
PLOO	TFZONE2	14-Oct-20	TB LIVER	WAVE PER	13		sec
PLOO	TFZONE2	14-Oct-20	TB LIVER	WIND SPEED	4		kts
PLOO	TFZONE2	14-Oct-20	TB LIVER	WIND DIR		S	
PLOO	TFZONE2	14-Oct-20	TB LIVER	COMMENTS		Partly cloudy; Visibility 8mi	
PLOO	TFZONE3	14-Oct-20	TB LIVER	STN LONG DEG	117		
PLOO	TFZONE3	14-Oct-20	TB LIVER	STN LONG MIN	19.379		
PLOO	TFZONE3	14-Oct-20	TB LIVER	STN LAT DEG	32		
PLOO	TFZONE3	14-Oct-20	TB LIVER	STN LAT MIN	37.541		
PLOO	TFZONE3	14-Oct-20	TB LIVER	DEPTH METER	102		m
PLOO	TFZONE3	14-Oct-20	TB LIVER	START TIME	1045		
PLOO	TFZONE3	14-Oct-20	TB LIVER	END TIME	1213		
PLOO	TFZONE3	14-Oct-20	TB LIVER	WATER COLOR CODE		Green Blue	
PLOO	TFZONE3	14-Oct-20	TB LIVER	SEA STATE		Calm	
PLOO	TFZONE3	14-Oct-20	TB LIVER	WAVE HEIGHT LOW	3		ft
PLOO	TFZONE3	14-Oct-20	TB LIVER	WAVE PER	13		sec
PLOO	TFZONE3	14-Oct-20	TB LIVER	WIND SPEED	1		kts
PLOO	TFZONE3	14-Oct-20	TB LIVER	WIND DIR		NW	
PLOO	TFZONE3	14-Oct-20	TB LIVER	COMMENTS		Foggy; Vis 1mi	
PLOO	TFZONE4	14-Oct-20	TB LIVER	STN LONG DEG	117		
PLOO	TFZONE4	14-Oct-20	TB LIVER	STN LONG MIN	18.403		
PLOO	TFZONE4	14-Oct-20	TB LIVER	STN LAT DEG	32		

**Addendum 1-3A** *continued*

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
PLOO	TFZONE4	14-Oct-20	TB LIVER	STN LAT MIN	35.113		
PLOO	TFZONE4	14-Oct-20	TB LIVER	DEPTH METER	96		m
PLOO	TFZONE4	14-Oct-20	TB LIVER	START TIME	1226		
PLOO	TFZONE4	14-Oct-20	TB LIVER	END TIME	1346		
PLOO	TFZONE4	14-Oct-20	TB LIVER	WATER COLOR CODE		Green Blue	
PLOO	TFZONE4	14-Oct-20	TB LIVER	SEA STATE		Calm	
PLOO	TFZONE4	14-Oct-20	TB LIVER	WAVE HEIGHT LOW	3		ft
PLOO	TFZONE4	14-Oct-20	TB LIVER	WAVE PER	13		sec
PLOO	TFZONE4	14-Oct-20	TB LIVER	WIND SPEED	1		kts
PLOO	TFZONE4	14-Oct-20	TB LIVER	WIND DIR		NW Foggy; Vis <1mi	
PLOO	TFZONE4	14-Oct-20	TB LIVER	COMMENTS			
PLOO	RF1	15-Oct-20	TB MUSCLE	STN LONG DEG	117		
PLOO	RF1	15-Oct-20	TB MUSCLE	STN LONG MIN	19.412		
PLOO	RF1	15-Oct-20	TB MUSCLE	STN LAT DEG	32		
PLOO	RF1	15-Oct-20	TB MUSCLE	STN LAT MIN	39.9256		
PLOO	RF1	15-Oct-20	TB MUSCLE	DEPTH METER	100		m
PLOO	RF1	15-Oct-20	TB MUSCLE	START TIME	805		
PLOO	RF1	15-Oct-20	TB MUSCLE	END TIME	840		
PLOO	RF1	15-Oct-20	TB MUSCLE	WATER COLOR CODE		Blue	
PLOO	RF1	15-Oct-20	TB MUSCLE	SEA STATE		Calm	
PLOO	RF1	15-Oct-20	TB MUSCLE	WAVE HEIGHT LOW	4		ft
PLOO	RF1	15-Oct-20	TB MUSCLE	WAVE PER	14		sec
PLOO	RF1	15-Oct-20	TB MUSCLE	WIND SPEED	2		kts
PLOO	RF1	15-Oct-20	TB MUSCLE	WIND DIR		SE	
PLOO	RF1	15-Oct-20	TB MUSCLE	COMMENTS			
PLOO	RF2	15-Oct-20	TB MUSCLE	STN LONG DEG	117		
PLOO	RF2	15-Oct-20	TB MUSCLE	STN LONG MIN	22.117		
PLOO	RF2	15-Oct-20	TB MUSCLE	STN LAT DEG	32		
PLOO	RF2	15-Oct-20	TB MUSCLE	STN LAT MIN	45.876		
PLOO	RF2	15-Oct-20	TB MUSCLE	DEPTH METER	95		m
PLOO	RF2	15-Oct-20	TB MUSCLE	START TIME	920		
PLOO	RF2	15-Oct-20	TB MUSCLE	END TIME	1000		
PLOO	RF2	15-Oct-20	TB MUSCLE	WATER COLOR CODE		Blue	
PLOO	RF2	15-Oct-20	TB MUSCLE	SEA STATE		Calm	
PLOO	RF2	15-Oct-20	TB MUSCLE	WAVE HEIGHT LOW	4		ft
PLOO	RF2	15-Oct-20	TB MUSCLE	WAVE PER	14		sec
PLOO	RF2	15-Oct-20	TB MUSCLE	WIND SPEED	5		kts
PLOO	RF2	15-Oct-20	TB MUSCLE	WIND DIR		SE	
PLOO	RF2	15-Oct-20	TB MUSCLE	COMMENTS			

## Addendum 1-3B

Visual observations from SBOO trawl zones and rig fish stations sampled during 2020.

Project	Station	Date	Type	Parmcode	Value	Text Field	Units
SBOO	RF3	12-Oct-20	TB MUSCLE	WAVE PER	6		sec
SBOO	RF3	12-Oct-20	TB MUSCLE	STN LONG DEG	117		
SBOO	RF3	12-Oct-20	TB MUSCLE	STN LONG MIN	10.997		
SBOO	RF3	12-Oct-20	TB MUSCLE	STN LAT DEG	32		
SBOO	RF3	12-Oct-20	TB MUSCLE	STN LAT MIN	32.23		
SBOO	RF3	12-Oct-20	TB MUSCLE	DEPTH METER	29		m
SBOO	RF3	12-Oct-20	TB MUSCLE	WIND SPEED	20		fts
SBOO	RF3	12-Oct-20	TB MUSCLE	WIND DIR		W	
SBOO	RF3	12-Oct-20	TB MUSCLE	START TIME	1230		
SBOO	RF3	12-Oct-20	TB MUSCLE	END TIME	1330		
				WATER COLOR			
SBOO	RF3	12-Oct-20	TB MUSCLE	CODE		Green	
SBOO	RF3	12-Oct-20	TB MUSCLE	SEA STATE		Light chop	
SBOO	RF3	12-Oct-20	TB MUSCLE	WAVE HEIGHT LOW	4		ft
						Wye structure;	
						Very windy	
SBOO	RF3	12-Oct-20	TB MUSCLE	COMMENTS			
SBOO	RF4	21-Oct-20	TB MUSCLE	STN LONG DEG	117		
SBOO	RF4	21-Oct-20	TB MUSCLE	STN LONG MIN	18.043		
SBOO	RF4	21-Oct-20	TB MUSCLE	STN LAT DEG	32		
SBOO	RF4	21-Oct-20	TB MUSCLE	STN LAT MIN	26.834		
SBOO	RF4	21-Oct-20	TB MUSCLE	DEPTH METER	30		m
SBOO	RF4	21-Oct-20	TB MUSCLE	START TIME	843		
SBOO	RF4	21-Oct-20	TB MUSCLE	END TIME	1100		
				WATER COLOR			
SBOO	RF4	21-Oct-20	TB MUSCLE	CODE		Green	
SBOO	RF4	21-Oct-20	TB MUSCLE	SEA STATE		Calm	
SBOO	RF4	21-Oct-20	TB MUSCLE	WAVE HEIGHT LOW	3		ft
SBOO	RF4	21-Oct-20	TB MUSCLE	WAVE PER	13		sec
SBOO	RF4	21-Oct-20	TB MUSCLE	WIND SPEED	3		fts
SBOO	RF4	21-Oct-20	TB MUSCLE	WIND DIR		NW	
SBOO	RF4	21-Oct-20	TB MUSCLE	COMMENTS			

## **Addendum 2**

### **Real-Time Oceanographic Mooring Systems**

#### **2020 Supplemental Information**





## Addendum 2-1

Summary of manual QA/QC review findings, including major sensor problems and data quality issues for the PLOO and SBOO RTOMS. Gaps in data resulted during time periods data were not collected or flagged as bad or suspect.

Parameter	Site	Depths	Time Period	Problem	Action Taken
Nitrate + nitrite	PLOO and SBOO	1, 26 m	All 2020	SUNA sensors displayed initial negative values, noise, or linear upward drift through deployment	When possible, drift corrected data based on water sample results and zero offset. If not possible to correct, flagged data as suspect
Nitrate + nitrite	PLOO	89 m	5/14 - 9/29/20	SUNA sensor jumped out of reasonable range, flatlined, showed large noise and step changes in data	Data qualified as bad or suspect and not reported
Chlorophyll a, CDOM, turbidity	PLOO and SBOO	All	All 2020	ECO triplet sensors displayed intermittent noise and negative data through deployments, and impacted by biofouling and electrical issues	Data qualified as bad or suspect during these intermittent periods and not reported
Chlorophyll a, turbidity	PLOO and SBOO	All	All 2020	ECO triplet sensors improperly configured for narrow oceanic range	No data available >~30 µg/L for chlorophyll or >~10 NTU for turbidity
ADCP	PLOO	Varied seasonally	All 2020	Intermittent poor signal strength from mid and deep depths, particularly during seasonal thermoclines	Data not reported from impacted depth bins
Salinity	SBOO	10 m	5/16 - 2/17/20	MicroCAT sensor displayed excess noise and low values outside of range from CTD validation casts	Data qualified as suspect and not reported
Salinity	PLOO	45 m	2/10 - 4/6/20; 6/15 - 9/29/20	MicroCAT sensor displayed excess noise and low values outside of expected range	Data qualified as suspect and not reported
BOD	PLOO	89 m	1/9 - 6/1/20; 8/11 - 9/29/20	Uvilux sensor jumped high without corresponding change in any other parameters, flatlined to zero, then displayed excessive noise for remainder of deployment	Data qualified as suspect and not reported
Total pH, DO, salinity, temp.	PLOO	30 m	2/10 - 9/29/20	SeapHox sensor lost communication, and not recovered after PLOO mooring broke free	No data collected
Total pH, DO, salinity, temp.	SBOO	1 m	9/23 - 2/17/20	SeapHox sensor lost power, and unable to fix problem remotely	No data collected
DO, salinity, temp.	SBOO	18 m	7/10 - 12/17/20	MicroCAT sensor lost communication, likely due to sheared controller connector	No data collected
BOD, Chlorophyll a, CDOM, turbidity	PLOO	30 m	7/11 - 9/29/20	Mid mooring controller failed and lost communication with remaining sensors	No data collected
All	PLOO	All	2/14 - 3/4/20	Gap in real-time data record due to cell modem failure	Missing data for time period
All	SBOO	26 m	8/16 - 12/17/20	Bottom mooring controller reported data intermittently with many gaps in data record	Missing most data for time period

## Addendum 2-2

Data qualifier definitions for QC data flags. Follows national data standards for summary real-time data flagging (US IOOS 2017), and post-processing data flagging (ARGO 2020).

QC_Flag	Designation	Use
1	Pass/good	For data reviewed both automatically and manually
2	Provisional/unreviewed	For data that is not reviewed or unable to validate; or passed automated test only
3	Suspect/questionable	Failed automated test but not unreasonable (such as climatology test) or manually flagged as possible instrument drift (such as due to biofouling)
4	Bad	Failed automated test (such as out of range test) or manually flagged as clearly bad (such as due to instrument malfunction)
5	Value changed/drift-corrected	Used only in post-processing. Values have been corrected based on new information, such as water sample results to correct for drift or new calibration factors. For data use purposes, this flag can be treated as a "pass." Original data are also retained separately.
9	Missing	Placeholder to show missing real-time data; may be able to be filled in later by downloaded data after mooring recovery

## Addendum 2-3

Ranges used for automated QC data flagging for each parameter for the gross range test. Ranges were defined by manufacturers for each sensor configuration.

Parameter	Units	Min	Max	Qualifer to assign if outside of min/max
BOD equivalent	mg/L	0	50	4
CDOM - ECO triplet	ppb	0	375	4
Chl - ECO triplet	µg/L	0	30	4
xCO <sub>2</sub>	ppm	0	2000	4
NO <sub>3</sub> (Nitrate + Nitrite)	µM	0	3000	4
NTU (Turbidity)	NTU	0	10	4
O <sub>2</sub> (DO)	mg/L	0.1	20	4
pH (total; both internal and external)	total pH	6.5	9	4
Salinity (Sal)	PSU	2	42	4
Temperature (Temp)	degC	-2.5	35	4

## Addendum 2-4

Annual ranges used for automated QC data flagging for each parameter, site, and depth for the climatological range test. Temperature, salinity, DO, and pH ranges were based on the minimum and maximum values recorded at each site and depth range where the sensors were found to be functional and in reasonable agreement with historical CTD ranges from the City's quarterly surveys. BOD ranges were based on the maximum value observed from all deployments, since that is a new parameter and historical data were not available. CDOM ranges were based on maximum of multiple readings recorded at the PLOO mooring due to proximity to plume. Chlorophyll a and turbidity ranges were based on the maximum sensor range for the ECO triplet. Nitrate ranges were based on values observed at both moorings where the sensors were found to be functional, and verified in a reasonable range compared to nearshore data collected by the California Cooperative Oceanic Fisheries Investigations (see: <https://calcofi.org>). Ranges for xCO<sub>2</sub> were based on values observed at both moorings, where the phytoplankton bloom in spring 2020 resulted in lower xCO<sub>2</sub> values than prior years, and comparable to ranges recorded by the closest NOAA/SIO carbon program mooring (CCE2, see: <https://www.pmel.noaa.gov/c02/story/CCE2>).

Parameter	Units	PLOO RTOMS										SBOO RTOMS						Qualifier to assign if outside of site/ depth range
		1 m		Mid depths		Bottom depth (>85 m)		1 m		Mid depths		Bottom depth (>25 m)		Min	Max	Min	Max	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max					
BOD equivalent	mg/L	—	—	0	10	0	10	0	10	—	—	—	—	0	10	0	10	3
CDOM-ECO triplet	ppb	0	50	0	50	0	50	0	50	0	50	0	50	0	50	0	50	3
Chl-ECO triplet	µg/L	0	30	0	30	0	30	0	30	0	30	0	30	0	30	0	30	3
xCO <sub>2</sub>	ppm	50	600	NA	NA	NA	NA	NA	NA	50	600	NA	NA	NA	NA	NA	NA	3
NO <sub>3</sub> (Nitrate + Nitrite)	µM	0	39	NA	NA	0	39	0	39	0	39	NA	NA	0	39	0	39	3
NTU (Turbidity)	NTU	0	10	0	10	0	10	0	10	0	10	0	10	0	10	0	10	3
O <sub>2</sub> (DO)	mg/L	5.5	24.0	3.0	9.5	2.0	7.5	2.0	7.5	5.5	24.0	3.0	11.0	2.5	11.0	2.5	11.0	3
pH (total; both internal and external)	total pH	7.6	8.9	7.5	8.1	7.5	8.1	7.5	8.1	7.6	8.7	NA	NA	7.4	8.1	7.4	8.1	3
Sal (Salinity)	PSU	32.0	34.0	32.3	34.0	32.5	34.0	32.5	34.0	31.2	34.0	32.0	34.0	33.0	34.0	33.0	34.0	3
Temp (Temperature)	degC	12	27	9	27	9	27	9	15	12	27	10	26	9	19	9	19	3