



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

2018

ADDENDUM 1 VISUAL OBSERVATIONS

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)

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Addendum 1A
Macrobenthic Communities
2018 Visual Observations
PLOO and SBOO Stations

Addendum 1A-1

Visual observations from PLOO benthic stations sampled during 2018.

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	B8	8-Jan-18	STN LONG DEG	117		
PLOO	B8	8-Jan-18	STN LONG MIN	20.776		
PLOO	B8	8-Jan-18	STN LAT DEG	32		
PLOO	B8	8-Jan-18	STN LAT MIN	45.499		
PLOO	B8	8-Jan-18	DEPTH METER	89		m
PLOO	B8	8-Jan-18	ARRIVE TIME	939		
PLOO	B8	8-Jan-18	AIR TEMP	17		C
PLOO	B8	8-Jan-18	WIND SPEED	3		kts
PLOO	B8	8-Jan-18	WIND DIR		SW	
PLOO	B8	8-Jan-18	SED_TEMP(1)	12		
PLOO	B8	8-Jan-18	SED_DEPTH(1)	13		cm
PLOO	B8	8-Jan-18	SED_TYPE(1)		Clay and Silt with Fine sand	
PLOO	B8	8-Jan-18	VISIBILITY	5		mi
PLOO	B8	8-Jan-18	WEATHER DESC		Overcast	
PLOO	B8	8-Jan-18	SEA STATE		Calm	
PLOO	B8	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	B8	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	B8	8-Jan-18	WAVE PER	12		sec
PLOO	B8	8-Jan-18	DEPART TIME	953		
PLOO	B8	8-Jan-18	COMMENTS		One Lytechinus pictus removed	
PLOO	B9	8-Jan-18	STN LONG DEG	117		
PLOO	B9	8-Jan-18	STN LONG MIN	21.665		
PLOO	B9	8-Jan-18	STN LAT DEG	32		
PLOO	B9	8-Jan-18	STN LAT MIN	45.343		
PLOO	B9	8-Jan-18	DEPTH METER	112		m
PLOO	B9	8-Jan-18	ARRIVE TIME	921		
PLOO	B9	8-Jan-18	AIR TEMP	17		C
PLOO	B9	8-Jan-18	WIND SPEED	6		kts
PLOO	B9	8-Jan-18	WIND DIR		NW	
PLOO	B9	8-Jan-18	SED_TEMP(1)	11		
PLOO	B9	8-Jan-18	SED_DEPTH(1)	13		cm
PLOO	B9	8-Jan-18	SED_TYPE(1)		Silt and Clay with Fine sand	
PLOO	B9	8-Jan-18	VISIBILITY	5		mi
PLOO	B9	8-Jan-18	WEATHER DESC		Overcast	
PLOO	B9	8-Jan-18	SEA STATE		Calm	
PLOO	B9	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	B9	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	B9	8-Jan-18	WAVE PER	12		sec
PLOO	B9	8-Jan-18	DEPART TIME	936		
PLOO	B9	8-Jan-18	COMMENTS			
PLOO	B10	8-Jan-18	STN LONG DEG	117		
PLOO	B10	8-Jan-18	STN LONG MIN	22.16		
PLOO	B10	8-Jan-18	STN LAT DEG	32		
PLOO	B10	8-Jan-18	STN LAT MIN	45.234		
PLOO	B10	8-Jan-18	DEPTH METER	118		m
PLOO	B10	8-Jan-18	ARRIVE TIME	905		
PLOO	B10	8-Jan-18	AIR TEMP	17		C

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	B10	8-Jan-18	WIND SPEED	5		kts
PLOO	B10	8-Jan-18	WIND DIR		NW	
PLOO	B10	8-Jan-18	SED_TEMP(1)	10		
PLOO	B10	8-Jan-18	SED_DEPTH(1)	9		cm
PLOO	B10	8-Jan-18	SED_TYPE(1)		Silt and Sand with Shell hash	
PLOO	B10	8-Jan-18	VISIBILITY	5		mi
PLOO	B10	8-Jan-18	WEATHER DESC		Overcast	
PLOO	B10	8-Jan-18	SEA STATE		Calm	
PLOO	B10	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	B10	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	B10	8-Jan-18	WAVE PER	12		sec
PLOO	B10	8-Jan-18	DEPART TIME	920		
PLOO	B10	8-Jan-18	COMMENTS			
PLOO	B11	8-Jan-18	STN LONG DEG	117		
PLOO	B11	8-Jan-18	STN LONG MIN	21.36		
PLOO	B11	8-Jan-18	STN LAT DEG	32		
PLOO	B11	8-Jan-18	STN LAT MIN	46.573		
PLOO	B11	8-Jan-18	DEPTH METER	88		m
PLOO	B11	8-Jan-18	ARRIVE TIME	820		
PLOO	B11	8-Jan-18	AIR TEMP	17		C
PLOO	B11	8-Jan-18	WIND SPEED	4		kts
PLOO	B11	8-Jan-18	WIND DIR		NE	
PLOO	B11	8-Jan-18	SED_TEMP(1)	11		
PLOO	B11	8-Jan-18	SED_DEPTH(1)	11		cm
PLOO	B11	8-Jan-18	SED_TYPE(1)		Silt with Sand with Shell hash	
PLOO	B11	8-Jan-18	VISIBILITY	5		mi
PLOO	B11	8-Jan-18	WEATHER DESC		Overcast	
PLOO	B11	8-Jan-18	SEA STATE		Calm	
PLOO	B11	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	B11	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	B11	8-Jan-18	WAVE PER	12		sec
PLOO	B11	8-Jan-18	DEPART TIME	841		
PLOO	B11	8-Jan-18	COMMENTS		Grab failure due to rocky bottom	
PLOO	B12	8-Jan-18	STN LONG DEG	117		
PLOO	B12	8-Jan-18	STN LONG MIN	22.313		
PLOO	B12	8-Jan-18	STN LAT DEG	32		
PLOO	B12	8-Jan-18	STN LAT MIN	46.355		
PLOO	B12	8-Jan-18	DEPTH METER	97		m
PLOO	B12	8-Jan-18	ARRIVE TIME	846		
PLOO	B12	8-Jan-18	AIR TEMP	17		C
PLOO	B12	8-Jan-18	WIND SPEED	4		kts
PLOO	B12	8-Jan-18	WIND DIR		N	
PLOO	B12	8-Jan-18	SED_TEMP(1)	11		
PLOO	B12	8-Jan-18	SED_DEPTH(1)	10		cm
PLOO	B12	8-Jan-18	SED_TYPE(1)		Sand and Silt with Shell hash	
PLOO	B12	8-Jan-18	VISIBILITY	5		mi

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	B12	8-Jan-18	WEATHER DESC		Overcast	
PLOO	B12	8-Jan-18	SEA STATE		Calm	
PLOO	B12	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	B12	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	B12	8-Jan-18	WAVE PER	12		sec
PLOO	B12	8-Jan-18	DEPART TIME	900		
PLOO	B12	8-Jan-18	COMMENTS			
PLOO	E1	12-Jan-18	STN LONG DEG	117		
PLOO	E1	12-Jan-18	STN LONG MIN	18.366		
PLOO	E1	12-Jan-18	STN LAT DEG	32		
PLOO	E1	12-Jan-18	STN LAT MIN	37.516		
PLOO	E1	12-Jan-18	DEPTH METER	88		m
PLOO	E1	12-Jan-18	ARRIVE TIME	1028		
PLOO	E1	12-Jan-18	AIR TEMP	14		C
PLOO	E1	12-Jan-18	WIND SPEED	5		kts
PLOO	E1	12-Jan-18	WIND DIR		S	
PLOO	E1	12-Jan-18	SED_TEMP(1)	12		
PLOO	E1	12-Jan-18	SED_DEPTH(1)	7		cm
PLOO	E1	12-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E1	12-Jan-18	VISIBILITY	1		mi
PLOO	E1	12-Jan-18	WEATHER DESC		Fog	
PLOO	E1	12-Jan-18	SEA STATE		Calm	
PLOO	E1	12-Jan-18	WAVE HEIGHT LOW	3		ft
PLOO	E1	12-Jan-18	WATER COLOR CODE		Blue	
PLOO	E1	12-Jan-18	WAVE PER	12		sec
PLOO	E1	12-Jan-18	DEPART TIME	1041		
PLOO	E1	12-Jan-18	COMMENTS			
PLOO	E2	12-Jan-18	WIND DIR		W	
PLOO	E2	12-Jan-18	SED_TEMP(1)	11		
PLOO	E2	12-Jan-18	SED_DEPTH(1)	8		cm
PLOO	E2	12-Jan-18	SED_TYPE(1)		Clay and Silt with Shell hash	
PLOO	E2	12-Jan-18	VISIBILITY	1		mi
PLOO	E2	12-Jan-18	WEATHER DESC		Fog	
PLOO	E2	12-Jan-18	SEA STATE		Calm	
PLOO	E2	12-Jan-18	WAVE HEIGHT LOW	3		ft
PLOO	E2	12-Jan-18	WATER COLOR CODE		Blue	
PLOO	E2	12-Jan-18	WAVE PER	12		sec
PLOO	E2	12-Jan-18	DEPART TIME	1027		
PLOO	E2	12-Jan-18	COMMENTS			
PLOO	E2	12-Jan-18	STN LONG DEG	117		
PLOO	E2	12-Jan-18	STN LONG MIN	19.099		
PLOO	E2	12-Jan-18	STN LAT DEG	32		
PLOO	E2	12-Jan-18	STN LAT MIN	37.443		
PLOO	E2	12-Jan-18	DEPTH METER	98		m
PLOO	E2	12-Jan-18	ARRIVE TIME	1013		
PLOO	E2	12-Jan-18	AIR TEMP	14		C
PLOO	E2	12-Jan-18	WIND SPEED	3		kts

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E3	12-Jan-18	STN LONG DEG	117		
PLOO	E3	12-Jan-18	STN LONG MIN	20.091		
PLOO	E3	12-Jan-18	STN LAT DEG	32		
PLOO	E3	12-Jan-18	STN LAT MIN	37.29		
PLOO	E3	12-Jan-18	DEPTH METER	110		m
PLOO	E3	12-Jan-18	ARRIVE TIME	953		
PLOO	E3	12-Jan-18	AIR TEMP	14		C
PLOO	E3	12-Jan-18	WIND SPEED	7		kts
PLOO	E3	12-Jan-18	WIND DIR		NW	
PLOO	E3	12-Jan-18	SED_TEMP(1)	12		
PLOO	E3	12-Jan-18	SED_DEPTH(1)	6		cm
PLOO	E3	12-Jan-18	SED_TYPE(1)		Clay and Fine sand with Coarse sand	
PLOO	E3	12-Jan-18	VISIBILITY	1		mi
PLOO	E3	12-Jan-18	WEATHER DESC		Fog	
PLOO	E3	12-Jan-18	SEA STATE		Calm	
PLOO	E3	12-Jan-18	WAVE HEIGHT LOW	3		ft
PLOO	E3	12-Jan-18	WATER COLOR CODE		Blue	
PLOO	E3	12-Jan-18	WAVE PER	12		sec
PLOO	E3	12-Jan-18	DEPART TIME	1009		
PLOO	E3	12-Jan-18	COMMENTS			
PLOO	E5	12-Jan-18	STN LONG DEG	117		
PLOO	E5	12-Jan-18	STN LONG MIN	19.293		
PLOO	E5	12-Jan-18	STN LAT DEG	32		
PLOO	E5	12-Jan-18	STN LAT MIN	38.384		
PLOO	E5	12-Jan-18	DEPTH METER	97		m
PLOO	E5	12-Jan-18	ARRIVE TIME	933		
PLOO	E5	12-Jan-18	AIR TEMP	14		C
PLOO	E5	12-Jan-18	WIND SPEED	10		kts
PLOO	E5	12-Jan-18	WIND DIR		W	
PLOO	E5	12-Jan-18	SED_TEMP(1)	11		
PLOO	E5	12-Jan-18	SED_DEPTH(1)	7		cm
PLOO	E5	12-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E5	12-Jan-18	VISIBILITY	1		mi
PLOO	E5	12-Jan-18	WEATHER DESC		Fog	
PLOO	E5	12-Jan-18	SEA STATE		Calm	
PLOO	E5	12-Jan-18	WAVE HEIGHT LOW	3		ft
PLOO	E5	12-Jan-18	WATER COLOR CODE		Blue	
PLOO	E5	12-Jan-18	WAVE PER	12		sec
PLOO	E5	12-Jan-18	DEPART TIME	948		
PLOO	E5	12-Jan-18	COMMENTS			
PLOO	E7	12-Jan-18	STN LONG DEG	117		
PLOO	E7	12-Jan-18	STN LONG MIN	18.664		
PLOO	E7	12-Jan-18	STN LAT DEG	32		
PLOO	E7	12-Jan-18	STN LAT MIN	38.998		
PLOO	E7	12-Jan-18	DEPTH METER	90		m
PLOO	E7	12-Jan-18	ARRIVE TIME	821		
PLOO	E7	12-Jan-18	AIR TEMP	14		C

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E7	12-Jan-18	WIND SPEED	3		kts
PLOO	E7	12-Jan-18	WIND DIR		W	
PLOO	E7	12-Jan-18	SED_TEMP(1)	12		
PLOO	E7	12-Jan-18	SED_DEPTH(1)	6		cm
PLOO	E7	12-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E7	12-Jan-18	VISIBILITY	1		mi
PLOO	E7	12-Jan-18	WEATHER DESC		Fog	
PLOO	E7	12-Jan-18	SEA STATE		Calm	
PLOO	E7	12-Jan-18	WAVE HEIGHT LOW	3		ft
PLOO	E7	12-Jan-18	WATER COLOR CODE		Blue	
PLOO	E7	12-Jan-18	WAVE PER	12		sec
PLOO	E7	12-Jan-18	DEPART TIME	836		
PLOO	E7	12-Jan-18	COMMENTS			
PLOO	E8	12-Jan-18	STN LONG DEG	117		
PLOO	E8	12-Jan-18	STN LONG MIN	19.344		
PLOO	E8	12-Jan-18	STN LAT DEG	32		
PLOO	E8	12-Jan-18	STN LAT MIN	38.911		
PLOO	E8	12-Jan-18	DEPTH METER	97		m
PLOO	E8	12-Jan-18	ARRIVE TIME	844		
PLOO	E8	12-Jan-18	AIR TEMP	14		C
PLOO	E8	12-Jan-18	WIND SPEED	3		kts
PLOO	E8	12-Jan-18	WIND DIR		S	
PLOO	E8	12-Jan-18	SED_TEMP(1)	12		
PLOO	E8	12-Jan-18	SED_DEPTH(1)	7		cm
PLOO	E8	12-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E8	12-Jan-18	VISIBILITY	1		mi
PLOO	E8	12-Jan-18	WEATHER DESC		Fog	
PLOO	E8	12-Jan-18	SEA STATE		Calm	
PLOO	E8	12-Jan-18	WAVE HEIGHT LOW	3		ft
PLOO	E8	12-Jan-18	WATER COLOR CODE		Blue	
PLOO	E8	12-Jan-18	WAVE PER	12		sec
PLOO	E8	12-Jan-18	DEPART TIME	909		
PLOO	E8	12-Jan-18	COMMENTS		Grab failure due to poor closure	
PLOO	E9	12-Jan-18	STN LONG DEG	117		
PLOO	E9	12-Jan-18	STN LONG MIN	20.08		
PLOO	E9	12-Jan-18	STN LAT DEG	32		
PLOO	E9	12-Jan-18	STN LAT MIN	38.752		
PLOO	E9	12-Jan-18	DEPTH METER	114		m
PLOO	E9	12-Jan-18	ARRIVE TIME	914		
PLOO	E9	12-Jan-18	AIR TEMP	14		C
PLOO	E9	12-Jan-18	WIND SPEED	6		kts
PLOO	E9	12-Jan-18	WIND DIR		W	
PLOO	E9	12-Jan-18	SED_TEMP(1)	11		
PLOO	E9	12-Jan-18	SED_DEPTH(1)	11		cm
PLOO	E9	12-Jan-18	SED_TYPE(1)		Silt and Fine sand with Coarse dark sand	
PLOO	E9	12-Jan-18	VISIBILITY	1		mi

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E9	12-Jan-18	WEATHER DESC		Fog	
PLOO	E9	12-Jan-18	SEA STATE		Calm	
PLOO	E9	12-Jan-18	WAVE HEIGHT LOW	3		ft
PLOO	E9	12-Jan-18	WATER COLOR CODE		Blue	
PLOO	E9	12-Jan-18	WAVE PER	12		sec
PLOO	E9	12-Jan-18	DEPART TIME	931		
PLOO	E9	12-Jan-18	COMMENTS			
PLOO	E11	8-Jan-18	STN LONG DEG	117		
PLOO	E11	8-Jan-18	STN LONG MIN	19.43		
PLOO	E11	8-Jan-18	STN LAT DEG	32		
PLOO	E11	8-Jan-18	STN LAT MIN	39.402		
PLOO	E11	8-Jan-18	DEPTH METER	97		m
PLOO	E11	8-Jan-18	ARRIVE TIME	1217		
PLOO	E11	8-Jan-18	AIR TEMP	17		C
PLOO	E11	8-Jan-18	WIND SPEED	2		kts
PLOO	E11	8-Jan-18	WIND DIR		E	
PLOO	E11	8-Jan-18	SED_TEMP(1)	11		
PLOO	E11	8-Jan-18	SED_DEPTH(1)	10		cm
PLOO	E11	8-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E11	8-Jan-18	VISIBILITY	5		mi
PLOO	E11	8-Jan-18	WEATHER DESC		Overcast	
PLOO	E11	8-Jan-18	SEA STATE		Calm	
PLOO	E11	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	E11	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	E11	8-Jan-18	WAVE PER	12		sec
PLOO	E11	8-Jan-18	DEPART TIME	1229		
PLOO	E11	8-Jan-18	COMMENTS			
PLOO	E14	8-Jan-18	STN LONG DEG	117		
PLOO	E14	8-Jan-18	STN LONG MIN	19.493		
PLOO	E14	8-Jan-18	STN LAT DEG	32		
PLOO	E14	8-Jan-18	STN LAT MIN	39.943		
PLOO	E14	8-Jan-18	DEPTH METER	98		m
PLOO	E14	8-Jan-18	ARRIVE TIME	1148		
PLOO	E14	8-Jan-18	AIR TEMP	17		C
PLOO	E14	8-Jan-18	WIND SPEED	0		kts
PLOO	E14	8-Jan-18	WIND DIR		XX	
PLOO	E14	8-Jan-18	SED_TEMP(1)	11		
PLOO	E14	8-Jan-18	SED_DEPTH(1)	13		cm
PLOO	E14	8-Jan-18	SED_TYPE(1)		Silt and Fine sand with Gravel	
PLOO	E14	8-Jan-18	VISIBILITY	5		mi
PLOO	E14	8-Jan-18	WEATHER DESC		Overcast	
PLOO	E14	8-Jan-18	SEA STATE		Calm	
PLOO	E14	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	E14	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	E14	8-Jan-18	WAVE PER	12		sec
PLOO	E14	8-Jan-18	DEPART TIME	1201		
PLOO	E14	8-Jan-18	COMMENTS			

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E15	8-Jan-18	STN LONG DEG	117		
PLOO	E15	8-Jan-18	STN LONG MIN	19.911		
PLOO	E15	8-Jan-18	STN LAT DEG	32		
PLOO	E15	8-Jan-18	STN LAT MIN	39.867		
PLOO	E15	8-Jan-18	DEPTH METER	112		m
PLOO	E15	8-Jan-18	ARRIVE TIME	1202		
PLOO	E15	8-Jan-18	AIR TEMP	17		C
PLOO	E15	8-Jan-18	WIND SPEED	2		kts
PLOO	E15	8-Jan-18	WIND DIR		E	
PLOO	E15	8-Jan-18	SED_TEMP(1)	10		
PLOO	E15	8-Jan-18	SED_DEPTH(1)	10		cm
PLOO	E15	8-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E15	8-Jan-18	VISIBILITY	5		mi
PLOO	E15	8-Jan-18	WEATHER DESC		Overcast	
PLOO	E15	8-Jan-18	SEA STATE		Calm	
PLOO	E15	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	E15	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	E15	8-Jan-18	WAVE PER	12		sec
PLOO	E15	8-Jan-18	DEPART TIME	1214		
PLOO	E15	8-Jan-18	COMMENTS			
PLOO	E17	8-Jan-18	STN LONG DEG	117		
PLOO	E17	8-Jan-18	STN LONG MIN	19.548		
PLOO	E17	8-Jan-18	STN LAT DEG	32		
PLOO	E17	8-Jan-18	STN LAT MIN	40.48		
PLOO	E17	8-Jan-18	DEPTH METER	97		m
PLOO	E17	8-Jan-18	ARRIVE TIME	1134		
PLOO	E17	8-Jan-18	AIR TEMP	17		C
PLOO	E17	8-Jan-18	WIND SPEED	1		kts
PLOO	E17	8-Jan-18	WIND DIR		NW	
PLOO	E17	8-Jan-18	SED_TEMP(1)	11		
PLOO	E17	8-Jan-18	SED_DEPTH(1)	11		cm
PLOO	E17	8-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E17	8-Jan-18	VISIBILITY	5		mi
PLOO	E17	8-Jan-18	WEATHER DESC		Overcast	
PLOO	E17	8-Jan-18	SEA STATE		Calm	
PLOO	E17	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	E17	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	E17	8-Jan-18	WAVE PER	12		sec
PLOO	E17	8-Jan-18	DEPART TIME	1148		
PLOO	E17	8-Jan-18	COMMENTS			
PLOO	E19	8-Jan-18	STN LONG DEG	117		
PLOO	E19	8-Jan-18	STN LONG MIN	19.191		
PLOO	E19	8-Jan-18	STN LAT DEG	32		
PLOO	E19	8-Jan-18	STN LAT MIN	41.041		
PLOO	E19	8-Jan-18	DEPTH METER	89		m
PLOO	E19	8-Jan-18	ARRIVE TIME	1049		
PLOO	E19	8-Jan-18	AIR TEMP	17		C

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E19	8-Jan-18	WIND SPEED	0		kts
PLOO	E19	8-Jan-18	WIND DIR		XX	
PLOO	E19	8-Jan-18	SED_TEMP(1)	12		
PLOO	E19	8-Jan-18	SED_DEPTH(1)	10		cm
PLOO	E19	8-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E19	8-Jan-18	VISIBILITY	5		mi
PLOO	E19	8-Jan-18	WEATHER DESC		Overcast	
PLOO	E19	8-Jan-18	SEA STATE		Calm	
PLOO	E19	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	E19	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	E19	8-Jan-18	WAVE PER	12		sec
PLOO	E19	8-Jan-18	DEPART TIME	1101		
PLOO	E19	8-Jan-18	COMMENTS			
PLOO	E20	8-Jan-18	STN LONG DEG	117		
PLOO	E20	8-Jan-18	STN LONG MIN	19.666		
PLOO	E20	8-Jan-18	STN LAT DEG	32		
PLOO	E20	8-Jan-18	STN LAT MIN	40.959		
PLOO	E20	8-Jan-18	DEPTH METER	98		m
PLOO	E20	8-Jan-18	ARRIVE TIME	1102		
PLOO	E20	8-Jan-18	AIR TEMP	17		C
PLOO	E20	8-Jan-18	WIND SPEED	2		kts
PLOO	E20	8-Jan-18	WIND DIR		NW	
PLOO	E20	8-Jan-18	SED_TEMP(1)	12		
PLOO	E20	8-Jan-18	SED_DEPTH(1)	9		cm
PLOO	E20	8-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E20	8-Jan-18	VISIBILITY	5		mi
PLOO	E20	8-Jan-18	WEATHER DESC		Overcast	
PLOO	E20	8-Jan-18	SEA STATE		Calm	
PLOO	E20	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	E20	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	E20	8-Jan-18	WAVE PER	12		sec
PLOO	E20	8-Jan-18	DEPART TIME	1117		
PLOO	E20	8-Jan-18	COMMENTS			
PLOO	E21	8-Jan-18	STN LONG DEG	117		
PLOO	E21	8-Jan-18	STN LONG MIN	19.997		
PLOO	E21	8-Jan-18	STN LAT DEG	32		
PLOO	E21	8-Jan-18	STN LAT MIN	40.887		
PLOO	E21	8-Jan-18	DEPTH METER	115		m
PLOO	E21	8-Jan-18	ARRIVE TIME	1118		
PLOO	E21	8-Jan-18	AIR TEMP	17		C
PLOO	E21	8-Jan-18	WIND SPEED	6		kts
PLOO	E21	8-Jan-18	WIND DIR		N	
PLOO	E21	8-Jan-18	SED_TEMP(1)	11		
PLOO	E21	8-Jan-18	SED_DEPTH(1)	8		cm
PLOO	E21	8-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E21	8-Jan-18	VISIBILITY	5		mi
PLOO	E21	8-Jan-18	WEATHER DESC		Overcast	

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E21	8-Jan-18	SEA STATE		Calm	
PLOO	E21	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	E21	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	E21	8-Jan-18	WAVE PER	12		sec
PLOO	E21	8-Jan-18	DEPART TIME	1132		
PLOO	E21	8-Jan-18	COMMENTS			
PLOO	E23	8-Jan-18	STN LONG DEG	117		
PLOO	E23	8-Jan-18	STN LONG MIN	19.768		
PLOO	E23	8-Jan-18	STN LAT DEG	32		
PLOO	E23	8-Jan-18	STN LAT MIN	41.471		
PLOO	E23	8-Jan-18	DEPTH METER	98		m
PLOO	E23	8-Jan-18	ARRIVE TIME	1035		
PLOO	E23	8-Jan-18	AIR TEMP	17		C
PLOO	E23	8-Jan-18	WIND SPEED	2		kts
PLOO	E23	8-Jan-18	WIND DIR		W	
PLOO	E23	8-Jan-18	SED_TEMP(1)	11		
PLOO	E23	8-Jan-18	SED_DEPTH(1)	11		cm
PLOO	E23	8-Jan-18	SED_TYPE(1)		Silt and Fine sand with Other (see Comments)	
PLOO	E23	8-Jan-18	VISIBILITY	5		mi
PLOO	E23	8-Jan-18	WEATHER DESC		Overcast	
PLOO	E23	8-Jan-18	SEA STATE		Calm	
PLOO	E23	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	E23	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	E23	8-Jan-18	WAVE PER	12		sec
PLOO	E23	8-Jan-18	DEPART TIME	1047		
PLOO	E23	8-Jan-18	COMMENTS		Decomposing organic clumpy crud	
PLOO	E25	8-Jan-18	STN LONG DEG	117		
PLOO	E25	8-Jan-18	STN LONG MIN	20.076		
PLOO	E25	8-Jan-18	STN LAT DEG	32		
PLOO	E25	8-Jan-18	STN LAT MIN	42.387		
PLOO	E25	8-Jan-18	DEPTH METER	98		m
PLOO	E25	8-Jan-18	ARRIVE TIME	1019		
PLOO	E25	8-Jan-18	AIR TEMP	17		C
PLOO	E25	8-Jan-18	WIND SPEED	1		kts
PLOO	E25	8-Jan-18	WIND DIR		W	
PLOO	E25	8-Jan-18	SED_TEMP(1)	11		
PLOO	E25	8-Jan-18	SED_DEPTH(1)	10		cm
PLOO	E25	8-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E25	8-Jan-18	VISIBILITY	5		mi
PLOO	E25	8-Jan-18	WEATHER DESC		Overcast	
PLOO	E25	8-Jan-18	SEA STATE		Calm	
PLOO	E25	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	E25	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	E25	8-Jan-18	WAVE PER	12		sec
PLOO	E25	8-Jan-18	DEPART TIME	1031		
PLOO	E25	8-Jan-18	COMMENTS			

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E26	8-Jan-18	STN LAT MIN	43.824		
PLOO	E26	8-Jan-18	DEPTH METER	97		m
PLOO	E26	8-Jan-18	ARRIVE TIME	1001		
PLOO	E26	8-Jan-18	AIR TEMP	17		C
PLOO	E26	8-Jan-18	WIND SPEED	3		kts
PLOO	E26	8-Jan-18	WIND DIR		SW	
PLOO	E26	8-Jan-18	SED_TEMP(1)	12		
PLOO	E26	8-Jan-18	SED_DEPTH(1)	10		cm
PLOO	E26	8-Jan-18	SED_TYPE(1)		Silt and Fine sand	
PLOO	E26	8-Jan-18	VISIBILITY	5		mi
PLOO	E26	8-Jan-18	WEATHER DESC		Overcast	
PLOO	E26	8-Jan-18	SEA STATE		Calm	
PLOO	E26	8-Jan-18	WAVE HEIGHT LOW	2		ft
PLOO	E26	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	E26	8-Jan-18	WAVE PER	12		sec
PLOO	E26	8-Jan-18	DEPART TIME	1013		
PLOO	E26	8-Jan-18	COMMENTS			
PLOO	E26	8-Jan-18	STN LONG DEG	117		
PLOO	E26	8-Jan-18	STN LONG MIN	20.579		
PLOO	E26	8-Jan-18	STN LAT DEG	32		
PLOO	B9	12-Jul-18	GPS LONGITUDE	117.36116		
PLOO	B9	12-Jul-18	GPS LATITUDE	32.75553		
PLOO	B9	12-Jul-18	DEPTH METER	100		m
PLOO	B9	12-Jul-18	ARRIVE TIME	1133		
PLOO	B9	12-Jul-18	AIR TEMP	22		C
PLOO	B9	12-Jul-18	WIND SPEED	6		kts
PLOO	B9	12-Jul-18	WIND DIR		S	
PLOO	B9	12-Jul-18	SED_TEMP(1)	10		
PLOO	B9	12-Jul-18	SED_DEPTH(1)	10		cm
PLOO	B9	12-Jul-18	SED_TYPE(1)		Silt and clay with fine sand	
PLOO	B9	12-Jul-18	SED_COLOR(1)		Olive Green	
PLOO	B9	12-Jul-18	SED_ODOR(1)		None	
PLOO	B9	12-Jul-18	VISIBILITY	12		mi
PLOO	B9	12-Jul-18	WATER COLOR CODE		Greenish-Blue	
PLOO	B9	12-Jul-18	WEATHER DESC		Partly Cloudy	
PLOO	B9	12-Jul-18	WAVE HEIGHT LOW	3		ft
PLOO	B9	12-Jul-18	WAVE DIR		SW	
PLOO	B9	12-Jul-18	WAVE PER	12		sec
PLOO	B9	12-Jul-18	SEA STATE		Calm	
PLOO	B9	12-Jul-18	DEPART TIME	1144		
PLOO	B9	12-Jul-18	COMMENTS			
PLOO	B12	12-Jul-18	GPS LONGITUDE	117.37182		
PLOO	B12	12-Jul-18	GPS LATITUDE	32.77271		
PLOO	B12	12-Jul-18	DEPTH METER	97		m
PLOO	B12	12-Jul-18	ARRIVE TIME	1100		
PLOO	B12	12-Jul-18	AIR TEMP	21		C

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	B12	12-Jul-18	WIND SPEED	4		kts
PLOO	B12	12-Jul-18	WIND DIR		SE	
PLOO	B12	12-Jul-18	SED_TEMP(1)	11		
PLOO	B12	12-Jul-18	SED_DEPTH(1)	7		cm
PLOO	B12	12-Jul-18	SED_TYPE(1)		Fine sand with silt and sand	
PLOO	B12	12-Jul-18	SED_COLOR(1)		Olive Green	
PLOO	B12	12-Jul-18	SED_ODOR(1)		None	
PLOO	B12	12-Jul-18	VISIBILITY	12		mi
PLOO	B12	12-Jul-18	WATER COLOR CODE		Greenish-Blue	
PLOO	B12	12-Jul-18	WEATHER DESC		Partly Cloudy	
PLOO	B12	12-Jul-18	WAVE HEIGHT LOW	3		ft
PLOO	B12	12-Jul-18	WAVE DIR		SW	
PLOO	B12	12-Jul-18	WAVE PER	12		sec
PLOO	B12	12-Jul-18	SEA STATE		Calm	
PLOO	B12	12-Jul-18	DEPART TIME	1128		
PLOO	B12	12-Jul-18	COMMENTS			
PLOO	E2	11-Jul-18	GPS LONGITUDE	117.31817		
PLOO	E2	11-Jul-18	GPS LATITUDE	32.62425		
PLOO	E2	11-Jul-18	DEPTH METER	97		m
PLOO	E2	11-Jul-18	ARRIVE TIME	1005		
PLOO	E2	11-Jul-18	AIR TEMP	21		C
PLOO	E2	11-Jul-18	WIND SPEED	8		kts
PLOO	E2	11-Jul-18	WIND DIR		S	
PLOO	E2	11-Jul-18	SED_TEMP(1)	11		
PLOO	E2	11-Jul-18	SED_DEPTH(1)	11		cm
PLOO	E2	11-Jul-18	SED_TYPE(1)		Silt with clay and coarse sand	
PLOO	E2	11-Jul-18	SED_COLOR(1)		Light Brown	
PLOO	E2	11-Jul-18	SED_ODOR(1)		None	
PLOO	E2	11-Jul-18	VISIBILITY	12		mi
PLOO	E2	11-Jul-18	WATER COLOR CODE		Bluish-Green	
PLOO	E2	11-Jul-18	WEATHER DESC		Overcast	
PLOO	E2	11-Jul-18	WAVE HEIGHT LOW	2		ft
PLOO	E2	11-Jul-18	WAVE DIR		NW	
PLOO	E2	11-Jul-18	WAVE PER	3		sec
PLOO	E2	11-Jul-18	SEA STATE		Calm	
PLOO	E2	11-Jul-18	DEPART TIME	1014		
PLOO	E2	11-Jul-18	COMMENTS			
PLOO	E5	11-Jul-18	GPS LONGITUDE	117.3215		
PLOO	E5	11-Jul-18	GPS LATITUDE	32.6397		
PLOO	E5	11-Jul-18	DEPTH METER	97		m
PLOO	E5	11-Jul-18	ARRIVE TIME	949		
PLOO	E5	11-Jul-18	AIR TEMP	22		C
PLOO	E5	11-Jul-18	WIND SPEED	3		kts
PLOO	E5	11-Jul-18	WIND DIR		S	
PLOO	E5	11-Jul-18	SED_TEMP(1)	12		
PLOO	E5	11-Jul-18	SED_DEPTH(1)	7		cm
PLOO	E5	11-Jul-18	SED_TYPE(1)		Silt/Clay	

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E5	11-Jul-18	SED_COLOR(1)		Gray	
PLOO	E5	11-Jul-18	SED_ODOR(1)		None	
PLOO	E5	11-Jul-18	VISIBILITY	14		mi
PLOO	E5	11-Jul-18	WATER COLOR CODE		Bluish-Green	
PLOO	E5	11-Jul-18	WEATHER DESC		Clear	
PLOO	E5	11-Jul-18	WAVE HEIGHT LOW	2		ft
PLOO	E5	11-Jul-18	WAVE DIR		NW	
PLOO	E5	11-Jul-18	WAVE PER	3		sec
PLOO	E5	11-Jul-18	SEA STATE		Calm	
PLOO	E5	11-Jul-18	DEPART TIME	956		
PLOO	E5	11-Jul-18	COMMENTS			
PLOO	E8	26-Jul-18	GPS LONGITUDE	117.3224		
PLOO	E8	26-Jul-18	GPS LATITUDE	32.64842		
PLOO	E8	26-Jul-18	DEPTH METER	97		m
PLOO	E8	26-Jul-18	ARRIVE TIME	1455		
PLOO	E8	26-Jul-18	AIR TEMP	21		C
PLOO	E8	26-Jul-18	WIND SPEED	3		kts
PLOO	E8	26-Jul-18	WIND DIR		E	
PLOO	E8	26-Jul-18	SED_TEMP(1)	14		
PLOO	E8	26-Jul-18	SED_DEPTH(1)	8		cm
PLOO	E8	26-Jul-18	SED_TYPE(1)		Silt/Clay	
PLOO	E8	26-Jul-18	SED_COLOR(1)		Light Brown	
PLOO	E8	26-Jul-18	SED_ODOR(1)		None	
PLOO	E8	26-Jul-18	VISIBILITY	8		mi
PLOO	E8	26-Jul-18	WATER COLOR CODE		Bluish-Green	
PLOO	E8	26-Jul-18	WEATHER DESC		Overcast	
PLOO	E8	26-Jul-18	WAVE HEIGHT LOW	2		ft
PLOO	E8	26-Jul-18	WAVE DIR		SW	
PLOO	E8	26-Jul-18	WAVE PER	9		sec
PLOO	E8	26-Jul-18	SEA STATE		Calm	
PLOO	E8	26-Jul-18	DEPART TIME	1507		
PLOO	E11	31-Jul-18	GPS LONGITUDE	117.32371		
PLOO	E11	31-Jul-18	GPS LATITUDE	32.65684		
PLOO	E11	31-Jul-18	DEPTH METER	97		m
PLOO	E11	31-Jul-18	ARRIVE TIME	1005		
PLOO	E11	31-Jul-18	AIR TEMP	23		C
PLOO	E11	31-Jul-18	WIND SPEED	4		kts
PLOO	E11	31-Jul-18	WIND DIR		S	
PLOO	E11	31-Jul-18	SED_TEMP(1)	11		
PLOO	E11	31-Jul-18	SED_DEPTH(1)	8		cm
PLOO	E11	31-Jul-18	SED_TYPE(1)		Silt/Clay	
PLOO	E11	31-Jul-18	SED_COLOR(1)		Olive Green	
PLOO	E11	31-Jul-18	SED_ODOR(1)		None	
PLOO	E11	31-Jul-18	VISIBILITY	10		mi
PLOO	E11	31-Jul-18	WATER COLOR CODE		Bluish-Green	
PLOO	E11	31-Jul-18	WEATHER DESC		Clear	
PLOO	E11	31-Jul-18	WAVE HEIGHT LOW	2		ft

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E11	31-Jul-18	WAVE DIR		W	
PLOO	E11	31-Jul-18	WAVE PER	8		sec
PLOO	E11	31-Jul-18	SEA STATE		Calm	
PLOO	E11	31-Jul-18	DEPART TIME	1023		
PLOO	E14	31-Jul-18	GPS LONGITUDE	117.32481		
PLOO	E14	31-Jul-18	GPS LATITUDE	32.66571		
PLOO	E14	31-Jul-18	DEPTH METER	97		m
PLOO	E14	31-Jul-18	ARRIVE TIME	814		
PLOO	E14	31-Jul-18	AIR TEMP	23		C
PLOO	E14	31-Jul-18	WIND SPEED	1		kts
PLOO	E14	31-Jul-18	WIND DIR		SW	
PLOO	E14	31-Jul-18	SED_TEMP(1)	11		
PLOO	E14	31-Jul-18	SED_DEPTH(1)	11		cm
PLOO	E14	31-Jul-18	SED_TYPE(1)		Silt/Clay	
PLOO	E14	31-Jul-18	SED_COLOR(1)		Olive Green	
PLOO	E14	31-Jul-18	SED_ODOR(1)		None	
PLOO	E14	31-Jul-18	VISIBILITY	4		mi
PLOO	E14	31-Jul-18	WATER COLOR CODE		Bluish-Green	
PLOO	E14	31-Jul-18	WEATHER DESC		Partly Cloudy	
PLOO	E14	31-Jul-18	WAVE HEIGHT LOW	2		ft
PLOO	E14	31-Jul-18	WAVE DIR		W	
PLOO	E14	31-Jul-18	WAVE PER	8		sec
PLOO	E14	31-Jul-18	SEA STATE		Calm	
PLOO	E14	31-Jul-18	DEPART TIME	842		
PLOO	E14	31-Jul-18	COMMENTS		SedTox station	
PLOO	E15	31-Jul-18	GPS LONGITUDE	117.33192		
PLOO	E15	31-Jul-18	GPS LATITUDE	32.6647		
PLOO	E15	31-Jul-18	DEPTH METER	114		m
PLOO	E15	31-Jul-18	ARRIVE TIME	843		
PLOO	E15	31-Jul-18	AIR TEMP	23		C
PLOO	E15	31-Jul-18	WIND SPEED	12		kts
PLOO	E15	31-Jul-18	WIND DIR		SW	
PLOO	E15	31-Jul-18	SED_TEMP(1)	12		
PLOO	E15	31-Jul-18	SED_DEPTH(1)	7		cm
PLOO	E15	31-Jul-18	SED_TYPE(1)		Silt/Clay	
PLOO	E15	31-Jul-18	SED_COLOR(1)		Olive Green	
PLOO	E15	31-Jul-18	SED_ODOR(1)		None	
PLOO	E15	31-Jul-18	VISIBILITY	4		mi
PLOO	E15	31-Jul-18	WATER COLOR CODE		Bluish-Green	
PLOO	E15	31-Jul-18	WEATHER DESC		Partly Cloudy	
PLOO	E15	31-Jul-18	WAVE HEIGHT LOW	2		ft
PLOO	E15	31-Jul-18	WAVE DIR		W	
PLOO	E15	31-Jul-18	WAVE PER	8		sec
PLOO	E15	31-Jul-18	SEA STATE		Calm	
PLOO	E15	31-Jul-18	DEPART TIME	917		
PLOO	E15	31-Jul-18	COMMENTS		SedTox station	
PLOO	E17	31-Jul-18	GPS LONGITUDE	117.32569		

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E17	31-Jul-18	GPS LATITUDE	32.67462		
PLOO	E17	31-Jul-18	DEPTH METER	98		m
PLOO	E17	31-Jul-18	ARRIVE TIME	741		
PLOO	E17	31-Jul-18	AIR TEMP	22		C
PLOO	E17	31-Jul-18	WIND SPEED	9		kts
PLOO	E17	31-Jul-18	WIND DIR		W	
PLOO	E17	31-Jul-18	SED_TEMP(1)	11		
PLOO	E17	31-Jul-18	SED_DEPTH(1)	9		cm
PLOO	E17	31-Jul-18	SED_TYPE(1)		Silt and fine sand	
PLOO	E17	31-Jul-18	SED_COLOR(1)		Olive Green	
PLOO	E17	31-Jul-18	SED_ODOR(1)		None	
PLOO	E17	31-Jul-18	VISIBILITY	4		mi
PLOO	E17	31-Jul-18	WATER COLOR CODE		Bluish-Green	
PLOO	E17	31-Jul-18	WEATHER DESC		Partly Cloudy	
PLOO	E17	31-Jul-18	WAVE HEIGHT LOW	2		ft
PLOO	E17	31-Jul-18	WAVE DIR		W	
PLOO	E17	31-Jul-18	WAVE PER	8		sec
PLOO	E17	31-Jul-18	SEA STATE		Calm	
PLOO	E17	31-Jul-18	DEPART TIME	808		
PLOO	E17	31-Jul-18	COMMENTS		SedTox station	
PLOO	E20	12-Jul-18	GPS LONGITUDE	117.32783		
PLOO	E20	12-Jul-18	GPS LATITUDE	32.68279		
PLOO	E20	12-Jul-18	DEPTH METER	95		m
PLOO	E20	12-Jul-18	ARRIVE TIME	1403		
PLOO	E20	12-Jul-18	AIR TEMP	21		C
PLOO	E20	12-Jul-18	WIND SPEED	8		kts
PLOO	E20	12-Jul-18	WIND DIR		S	
PLOO	E20	12-Jul-18	SED_TEMP(1)	11		
PLOO	E20	12-Jul-18	SED_DEPTH(1)	8		cm
PLOO	E20	12-Jul-18	SED_TYPE(1)		Silt/Clay	
PLOO	E20	12-Jul-18	SED_COLOR(1)		Olive Green	
PLOO	E20	12-Jul-18	SED_ODOR(1)		None	
PLOO	E20	12-Jul-18	VISIBILITY	12		mi
PLOO	E20	12-Jul-18	WATER COLOR CODE		Greenish-Blue	
PLOO	E20	12-Jul-18	WEATHER DESC		Partly Cloudy	
PLOO	E20	12-Jul-18	WAVE HEIGHT LOW	3		ft
PLOO	E20	12-Jul-18	WAVE DIR		SW	
PLOO	E20	12-Jul-18	WAVE PER	12		sec
PLOO	E20	12-Jul-18	SEA STATE		Calm	
PLOO	E20	12-Jul-18	DEPART TIME	1431		
PLOO	E20	12-Jul-18	COMMENTS			
PLOO	E23	12-Jul-18	GPS LONGITUDE	117.32953		
PLOO	E23	12-Jul-18	GPS LATITUDE	32.6914		
PLOO	E23	12-Jul-18	DEPTH METER	26		m
PLOO	E23	12-Jul-18	ARRIVE TIME	1344		
PLOO	E23	12-Jul-18	AIR TEMP	21		C
PLOO	E23	12-Jul-18	WIND SPEED	6		kts

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E23	12-Jul-18	WIND DIR		S	
PLOO	E23	12-Jul-18	SED_TEMP(1)	10		
PLOO	E23	12-Jul-18	SED_DEPTH(1)	8		cm
PLOO	E23	12-Jul-18	SED_TYPE(1)		Silt/Clay	
PLOO	E23	12-Jul-18	SED_COLOR(1)		Olive Green	
PLOO	E23	12-Jul-18	SED_ODOR(1)		None	
PLOO	E23	12-Jul-18	VISIBILITY	12		mi
PLOO	E23	12-Jul-18	WATER COLOR CODE		Greenish-Blue	
PLOO	E23	12-Jul-18	WEATHER DESC		Partly Cloudy	
PLOO	E23	12-Jul-18	WAVE HEIGHT LOW	3		ft
PLOO	E23	12-Jul-18	WAVE DIR		SW	
PLOO	E23	12-Jul-18	WAVE PER	12		sec
PLOO	E23	12-Jul-18	SEA STATE		Calm	
PLOO	E23	12-Jul-18	DEPART TIME	1356		
PLOO	E23	12-Jul-18	COMMENTS			
PLOO	E25	12-Jul-18	GPS LONGITUDE	117.334		
PLOO	E25	12-Jul-18	GPS LATITUDE	32.70669		
PLOO	E25	12-Jul-18	DEPTH METER	96		m
PLOO	E25	12-Jul-18	ARRIVE TIME	1327		
PLOO	E25	12-Jul-18	AIR TEMP	21		C
PLOO	E25	12-Jul-18	WIND SPEED	6		kts
PLOO	E25	12-Jul-18	WIND DIR		S	
PLOO	E25	12-Jul-18	SED_TEMP(1)	11		
PLOO	E25	12-Jul-18	SED_DEPTH(1)	9		cm
PLOO	E25	12-Jul-18	SED_TYPE(1)		Silt/Clay	
PLOO	E25	12-Jul-18	SED_COLOR(1)		Olive Green	
PLOO	E25	12-Jul-18	SED_ODOR(1)		None	
PLOO	E25	12-Jul-18	VISIBILITY	12		mi
PLOO	E25	12-Jul-18	WATER COLOR CODE		Greenish-Blue	
PLOO	E25	12-Jul-18	WEATHER DESC		Partly Cloudy	
PLOO	E25	12-Jul-18	WAVE HEIGHT LOW	3		ft
PLOO	E25	12-Jul-18	WAVE DIR		SW	
PLOO	E25	12-Jul-18	WAVE PER	12		sec
PLOO	E25	12-Jul-18	SEA STATE		Calm	
PLOO	E25	12-Jul-18	DEPART TIME	1343		
PLOO	E25	12-Jul-18	COMMENTS			
PLOO	E26	12-Jul-18	GPS LONGITUDE	117.3428		
PLOO	E26	12-Jul-18	GPS LATITUDE	32.7303		
PLOO	E26	12-Jul-18	DEPTH METER	98		m
PLOO	E26	12-Jul-18	ARRIVE TIME	1155		
PLOO	E26	12-Jul-18	AIR TEMP	21		C
PLOO	E26	12-Jul-18	WIND SPEED	4		kts
PLOO	E26	12-Jul-18	WIND DIR		S	
PLOO	E26	12-Jul-18	SED_TEMP(1)	11		
PLOO	E26	12-Jul-18	SED_DEPTH(1)	8		cm
PLOO	E26	12-Jul-18	SED_TYPE(1)		Silt/Clay	
PLOO	E26	12-Jul-18	SED_COLOR(1)		Olive Green	

Addendum 1A-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	E26	12-Jul-18	SED_ODOR(1)		None	
PLOO	E26	12-Jul-18	VISIBILITY	12		mi
PLOO	E26	12-Jul-18	WATER COLOR CODE		Greenish-Blue	
PLOO	E26	12-Jul-18	WEATHER DESC		Partly Cloudy	
PLOO	E26	12-Jul-18	WAVE HEIGHT LOW	3		ft
PLOO	E26	12-Jul-18	WAVE DIR		SW	
PLOO	E26	12-Jul-18	WAVE PER	12		sec
PLOO	E26	12-Jul-18	SEA STATE		Calm	
PLOO	E26	12-Jul-18	DEPART TIME	1206		
PLOO	E26	12-Jul-18	COMMENTS			

Addendum 1A-2

Visual observations from SBOO benthic stations sampled during 2018.

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I1	3-Jan-18	STN LONG DEG	117		
SBOO	I1	3-Jan-18	STN LONG MIN	16.613		
SBOO	I1	3-Jan-18	STN LAT DEG	32		
SBOO	I1	3-Jan-18	STN LAT MIN	28.402		
SBOO	I1	3-Jan-18	DEPTH METER	61		m
SBOO	I1	3-Jan-18	ARRIVE TIME	904		
SBOO	I1	3-Jan-18	AIR TEMP	16		C
SBOO	I1	3-Jan-18	WIND SPEED	0		kts
SBOO	I1	3-Jan-18	WIND DIR		XX	
SBOO	I1	3-Jan-18	SED_TEMP(1)	14		
SBOO	I1	3-Jan-18	SED_DEPTH(1)	6		cm
SBOO	I1	3-Jan-18	SED_TYPE(1)		Silt with Fine sand	
SBOO	I1	3-Jan-18	VISIBILITY	6		mi
SBOO	I1	3-Jan-18	WEATHER DESC		Haze	
SBOO	I1	3-Jan-18	SEA STATE		Calm	
SBOO	I1	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I1	3-Jan-18	WATER COLOR CODE		Blue	
SBOO	I1	3-Jan-18	WAVE PER	15		sec
SBOO	I1	3-Jan-18	DEPART TIME	915		
SBOO	I1	3-Jan-18	COMMENTS			
SBOO	I2	3-Jan-18	SED_TYPE(1)		Fine sand with Silt	
SBOO	I2	3-Jan-18	VISIBILITY	2		mi
SBOO	I2	3-Jan-18	WEATHER DESC		Haze	
SBOO	I2	3-Jan-18	SEA STATE		Calm	
SBOO	I2	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I2	3-Jan-18	WATER COLOR CODE		Blue	
SBOO	I2	3-Jan-18	WAVE PER	15		sec
SBOO	I2	3-Jan-18	DEPART TIME	940		
SBOO	I2	3-Jan-18	COMMENTS			
SBOO	I2	3-Jan-18	STN LONG DEG	117		
SBOO	I2	3-Jan-18	STN LONG MIN	11.951		
SBOO	I2	3-Jan-18	STN LAT DEG	32		
SBOO	I2	3-Jan-18	STN LAT MIN	28.397		
SBOO	I2	3-Jan-18	DEPTH METER	35		m
SBOO	I2	3-Jan-18	ARRIVE TIME	933		
SBOO	I2	3-Jan-18	AIR TEMP	16		C
SBOO	I2	3-Jan-18	WIND SPEED	0		kts
SBOO	I2	3-Jan-18	WIND DIR		XX	
SBOO	I2	3-Jan-18	SED_TEMP(1)	15		
SBOO	I2	3-Jan-18	SED_DEPTH(1)	7		cm
SBOO	I3	3-Jan-18	STN LONG DEG	117		
SBOO	I3	3-Jan-18	STN LONG MIN	10.088		
SBOO	I3	3-Jan-18	STN LAT DEG	32		
SBOO	I3	3-Jan-18	STN LAT MIN	28.034		
SBOO	I3	3-Jan-18	DEPTH METER	29		m
SBOO	I3	3-Jan-18	ARRIVE TIME	950		
SBOO	I3	3-Jan-18	AIR TEMP	16		C

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I3	3-Jan-18	WIND SPEED	4		kts
SBOO	I3	3-Jan-18	WIND DIR		W	
SBOO	I3	3-Jan-18	SED_TEMP(1)	16		
SBOO	I3	3-Jan-18	SED_DEPTH(1)	9		cm
SBOO	I3	3-Jan-18	SED_TYPE(1)		Fine sand with	
SBOO	I3	3-Jan-18	VISIBILITY	2		mi
SBOO	I3	3-Jan-18	WEATHER DESC		Haze	
SBOO	I3	3-Jan-18	SEA STATE		Calm	
SBOO	I3	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I3	3-Jan-18	WATER COLOR CODE		Green	
SBOO	I3	3-Jan-18	WAVE PER	15		sec
SBOO	I3	3-Jan-18	DEPART TIME	959		
SBOO	I3	3-Jan-18	COMMENTS		One lovenia heart urchin	
SBOO	I4	3-Jan-18	STN LONG DEG	117		
SBOO	I4	3-Jan-18	STN LONG MIN	8.424		
SBOO	I4	3-Jan-18	STN LAT DEG	32		
SBOO	I4	3-Jan-18	STN LAT MIN	28.292		
SBOO	I4	3-Jan-18	DEPTH METER	21		m
SBOO	I4	3-Jan-18	ARRIVE TIME	1006		
SBOO	I4	3-Jan-18	AIR TEMP	16		C
SBOO	I4	3-Jan-18	WIND SPEED	1		kts
SBOO	I4	3-Jan-18	WIND DIR		NE	
SBOO	I4	3-Jan-18	SED_TEMP(1)	16		
SBOO	I4	3-Jan-18	SED_DEPTH(1)	14		cm
SBOO	I4	3-Jan-18	SED_TYPE(1)		Fine sand and Sand	
SBOO	I4	3-Jan-18	VISIBILITY	2		mi
SBOO	I4	3-Jan-18	WEATHER DESC		Haze	
SBOO	I4	3-Jan-18	SEA STATE		Calm	
SBOO	I4	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I4	3-Jan-18	WATER COLOR CODE		Green	
SBOO	I4	3-Jan-18	WAVE PER	15		sec
SBOO	I4	3-Jan-18	DEPART TIME	1017		
SBOO	I4	3-Jan-18	COMMENTS			
SBOO	I6	3-Jan-18	STN LONG DEG	117		
SBOO	I6	3-Jan-18	STN LONG MIN	9.799		
SBOO	I6	3-Jan-18	STN LAT DEG	32		
SBOO	I6	3-Jan-18	STN LAT MIN	29.62		
SBOO	I6	3-Jan-18	DEPTH METER	26		m
SBOO	I6	3-Jan-18	ARRIVE TIME	1025		
SBOO	I6	3-Jan-18	AIR TEMP	16		C
SBOO	I6	3-Jan-18	WIND SPEED	0		kts
SBOO	I6	3-Jan-18	WIND DIR		XX	
SBOO	I6	3-Jan-18	SED_TEMP(1)	16		
SBOO	I6	3-Jan-18	SED_DEPTH(1)	10		cm
SBOO	I6	3-Jan-18	SED_TYPE(1)		Sand with Fine red relict sand	
SBOO	I6	3-Jan-18	VISIBILITY	2		mi
SBOO	I6	3-Jan-18	WEATHER DESC		Haze	

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I6	3-Jan-18	SEA STATE		Calm	
SBOO	I6	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I6	3-Jan-18	WATER COLOR CODE		Green	
SBOO	I6	3-Jan-18	WAVE PER	15		sec
SBOO	I6	3-Jan-18	DEPART TIME	1033		
SBOO	I6	3-Jan-18	COMMENTS		One lovenia heart urchin	
SBOO	I7	3-Jan-18	STN LONG DEG	117		
SBOO	I7	3-Jan-18	STN LONG MIN	15.186		
SBOO	I7	3-Jan-18	STN LAT DEG	32		
SBOO	I7	3-Jan-18	STN LAT MIN	30.992		
SBOO	I7	3-Jan-18	DEPTH METER	52		m
SBOO	I7	3-Jan-18	ARRIVE TIME	824		
SBOO	I7	3-Jan-18	AIR TEMP	16		C
SBOO	I7	3-Jan-18	WIND SPEED	6		kts
SBOO	I7	3-Jan-18	WIND DIR		W	
SBOO	I7	3-Jan-18	SED_TEMP(1)	14		
SBOO	I7	3-Jan-18	SED_DEPTH(1)	10		cm
SBOO	I7	3-Jan-18	SED_TYPE(1)		Fine sand with Fine red relict sand	
SBOO	I7	3-Jan-18	VISIBILITY	2		mi
SBOO	I7	3-Jan-18	WEATHER DESC		Haze	
SBOO	I7	3-Jan-18	SEA STATE		Calm	
SBOO	I7	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I7	3-Jan-18	WATER COLOR CODE		Green	
SBOO	I7	3-Jan-18	WAVE PER	15		sec
SBOO	I7	3-Jan-18	DEPART TIME	845		
SBOO	I7	3-Jan-18	COMMENTS		Grab failure due to poor closure	
SBOO	I8	3-Jan-18	STN LONG DEG	117		
SBOO	I8	3-Jan-18	STN LONG MIN	12.107		
SBOO	I8	3-Jan-18	STN LAT DEG	32		
SBOO	I8	3-Jan-18	STN LAT MIN	31.001		
SBOO	I8	3-Jan-18	DEPTH METER	37		m
SBOO	I8	3-Jan-18	ARRIVE TIME	1118		
SBOO	I8	3-Jan-18	AIR TEMP	16		C
SBOO	I8	3-Jan-18	WIND SPEED	1		kts
SBOO	I8	3-Jan-18	WIND DIR		SE	
SBOO	I8	3-Jan-18	SED_TEMP(1)	15		
SBOO	I8	3-Jan-18	SED_DEPTH(1)	9		cm
SBOO	I8	3-Jan-18	SED_TYPE(1)		Fine sand and Silt with Clay	
SBOO	I8	3-Jan-18	VISIBILITY	2		mi
SBOO	I8	3-Jan-18	WEATHER DESC		Haze	
SBOO	I8	3-Jan-18	SEA STATE		Calm	
SBOO	I8	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I8	3-Jan-18	WATER COLOR CODE		Bluish-Green	
SBOO	I8	3-Jan-18	WAVE PER	15		sec
SBOO	I8	3-Jan-18	DEPART TIME	1128		
SBOO	I8	3-Jan-18	COMMENTS			

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I9	3-Jan-18	STN LONG DEG	117		
SBOO	I9	3-Jan-18	STN LONG MIN	10.76		
SBOO	I9	3-Jan-18	STN LAT DEG	32		
SBOO	I9	3-Jan-18	STN LAT MIN	30.714		
SBOO	I9	3-Jan-18	DEPTH METER	30		m
SBOO	I9	3-Jan-18	ARRIVE TIME	1059		
SBOO	I9	3-Jan-18	AIR TEMP	16		C
SBOO	I9	3-Jan-18	WIND SPEED	2		kts
SBOO	I9	3-Jan-18	WIND DIR		E	
SBOO	I9	3-Jan-18	SED_TEMP(1)	15		
SBOO	I9	3-Jan-18	SED_DEPTH(1)	9		cm
SBOO	I9	3-Jan-18	SED_TYPE(1)		Fine sand and Silt with Clay	
SBOO	I9	3-Jan-18	VISIBILITY	2		mi
SBOO	I9	3-Jan-18	WEATHER DESC		Haze	
SBOO	I9	3-Jan-18	SEA STATE		Calm	
SBOO	I9	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I9	3-Jan-18	WATER COLOR CODE		Green	
SBOO	I9	3-Jan-18	WAVE PER	15		sec
SBOO	I9	3-Jan-18	DEPART TIME	1112		
SBOO	I9	3-Jan-18	COMMENTS			
SBOO	I10	3-Jan-18	STN LONG DEG	117		
SBOO	I10	3-Jan-18	STN LONG MIN	9.376		
SBOO	I10	3-Jan-18	STN LAT DEG	32		
SBOO	I10	3-Jan-18	STN LAT MIN	31.007		
SBOO	I10	3-Jan-18	DEPTH METER	21		m
SBOO	I10	3-Jan-18	ARRIVE TIME	1043		
SBOO	I10	3-Jan-18	AIR TEMP	16		C
SBOO	I10	3-Jan-18	WIND SPEED	0		kts
SBOO	I10	3-Jan-18	WIND DIR		XX	
SBOO	I10	3-Jan-18	SED_TEMP(1)	16		
SBOO	I10	3-Jan-18	SED_DEPTH(1)	9		cm
SBOO	I10	3-Jan-18	SED_TYPE(1)		Fine sand and Silt with Clay	
SBOO	I10	3-Jan-18	VISIBILITY	2		mi
SBOO	I10	3-Jan-18	WEATHER DESC		Haze	
SBOO	I10	3-Jan-18	SEA STATE		Calm	
SBOO	I10	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I10	3-Jan-18	WATER COLOR CODE		Green	
SBOO	I10	3-Jan-18	WAVE PER	15		sec
SBOO	I10	3-Jan-18	DEPART TIME	1056		
SBOO	I10	3-Jan-18	COMMENTS			
SBOO	I12	3-Jan-18	STN LONG DEG	117		
SBOO	I12	3-Jan-18	STN LONG MIN	10.977		
SBOO	I12	3-Jan-18	STN LAT DEG	32		
SBOO	I12	3-Jan-18	STN LAT MIN	31.959		
SBOO	I12	3-Jan-18	DEPTH METER	30		m
SBOO	I12	3-Jan-18	ARRIVE TIME	1212		
SBOO	I12	3-Jan-18	AIR TEMP	16		C

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I12	3-Jan-18	WIND SPEED	0		kts
SBOO	I12	3-Jan-18	WIND DIR		XX	
SBOO	I12	3-Jan-18	SED_TEMP(1)	15		
SBOO	I12	3-Jan-18	SED_DEPTH(1)	7		cm
SBOO	I12	3-Jan-18	SED_TYPE(1)		Sand with Fine sand	
SBOO	I12	3-Jan-18	VISIBILITY	1		mi
SBOO	I12	3-Jan-18	WEATHER DESC		Fog	
SBOO	I12	3-Jan-18	SEA STATE		Calm	
SBOO	I12	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I12	3-Jan-18	WATER COLOR CODE		Bluish-Green	
SBOO	I12	3-Jan-18	WAVE PER	15		sec
SBOO	I12	3-Jan-18	DEPART TIME	1219		
SBOO	I12	3-Jan-18	COMMENTS			
SBOO	I13	3-Jan-18	STN LONG DEG	117		
SBOO	I13	3-Jan-18	STN LONG MIN	12.739		
SBOO	I13	3-Jan-18	STN LAT DEG	32		
SBOO	I13	3-Jan-18	STN LAT MIN	32.223		
SBOO	I13	3-Jan-18	DEPTH METER	39		m
SBOO	I13	3-Jan-18	ARRIVE TIME	1135		
SBOO	I13	3-Jan-18	AIR TEMP	16		C
SBOO	I13	3-Jan-18	WIND SPEED	2		kts
SBOO	I13	3-Jan-18	WIND DIR		SE	
SBOO	I13	3-Jan-18	SED_TEMP(1)	15		
SBOO	I13	3-Jan-18	SED_DEPTH(1)	9		cm
SBOO	I13	3-Jan-18	SED_TYPE(1)		Relict red sand	
SBOO	I13	3-Jan-18	VISIBILITY	1		mi
SBOO	I13	3-Jan-18	WEATHER DESC		Fog	
SBOO	I13	3-Jan-18	SEA STATE		Calm	
SBOO	I13	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I13	3-Jan-18	WATER COLOR CODE		Bluish-Green	
SBOO	I13	3-Jan-18	WAVE PER	15		sec
SBOO	I13	3-Jan-18	DEPART TIME	1141		
SBOO	I13	3-Jan-18	COMMENTS		One lovenia heart urchin	
SBOO	I14	3-Jan-18	STN LONG DEG	117		
SBOO	I14	3-Jan-18	STN LONG MIN	11.056		
SBOO	I14	3-Jan-18	STN LAT DEG	32		
SBOO	I14	3-Jan-18	STN LAT MIN	32.589		
SBOO	I14	3-Jan-18	DEPTH METER	29		m
SBOO	I14	3-Jan-18	ARRIVE TIME	1227		
SBOO	I14	3-Jan-18	AIR TEMP	16		C
SBOO	I14	3-Jan-18	WIND SPEED	0		kts
SBOO	I14	3-Jan-18	WIND DIR		XX	
SBOO	I14	3-Jan-18	SED_TEMP(1)	15		
SBOO	I14	3-Jan-18	SED_DEPTH(1)	6		cm
SBOO	I14	3-Jan-18	SED_TYPE(1)		Silt with Fine sand	
SBOO	I14	3-Jan-18	VISIBILITY	1		mi
SBOO	I14	3-Jan-18	WEATHER DESC		Fog	

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I14	3-Jan-18	SEA STATE		Calm	
SBOO	I14	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I14	3-Jan-18	WATER COLOR CODE		Bluish-Green	
SBOO	I14	3-Jan-18	WAVE PER	15		sec
SBOO	I14	3-Jan-18	DEPART TIME	1232		
SBOO	I14	3-Jan-18	COMMENTS			
SBOO	I15	3-Jan-18	STN LONG DEG	117		
SBOO	I15	3-Jan-18	STN LONG MIN	11.349		
SBOO	I15	3-Jan-18	STN LAT DEG	32		
SBOO	I15	3-Jan-18	STN LAT MIN	32.266		
SBOO	I15	3-Jan-18	DEPTH METER	32		m
SBOO	I15	3-Jan-18	ARRIVE TIME	1148		
SBOO	I15	3-Jan-18	AIR TEMP	16		C
SBOO	I15	3-Jan-18	WIND SPEED	1		kts
SBOO	I15	3-Jan-18	WIND DIR		E	
SBOO	I15	3-Jan-18	SED_TEMP(1)	15		
SBOO	I15	3-Jan-18	SED_DEPTH(1)	7		cm
SBOO	I15	3-Jan-18	SED_TYPE(1)		Sand with Fine sand	
SBOO	I15	3-Jan-18	VISIBILITY	1		mi
SBOO	I15	3-Jan-18	WEATHER DESC		Fog	
SBOO	I15	3-Jan-18	SEA STATE		Calm	
SBOO	I15	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I15	3-Jan-18	WATER COLOR CODE		Bluish-Green	
SBOO	I15	3-Jan-18	WAVE PER	15		sec
SBOO	I15	3-Jan-18	DEPART TIME	1155		
SBOO	I15	3-Jan-18	COMMENTS		One lovenia heart urchin	
SBOO	I16	3-Jan-18	STN LONG DEG	117		
SBOO	I16	3-Jan-18	STN LONG MIN	11.037		
SBOO	I16	3-Jan-18	STN LAT DEG	32		
SBOO	I16	3-Jan-18	STN LAT MIN	32.271		
SBOO	I16	3-Jan-18	DEPTH METER	30		m
SBOO	I16	3-Jan-18	ARRIVE TIME	1156		
SBOO	I16	3-Jan-18	AIR TEMP	16		C
SBOO	I16	3-Jan-18	WIND SPEED	5		kts
SBOO	I16	3-Jan-18	WIND DIR		SE	
SBOO	I16	3-Jan-18	SED_TEMP(1)	15		
SBOO	I16	3-Jan-18	SED_DEPTH(1)	8		cm
SBOO	I16	3-Jan-18	SED_TYPE(1)		Sand with Fine sand	
SBOO	I16	3-Jan-18	VISIBILITY	1		mi
SBOO	I16	3-Jan-18	WEATHER DESC		Fog	
SBOO	I16	3-Jan-18	SEA STATE		Calm	
SBOO	I16	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I16	3-Jan-18	WATER COLOR CODE		Bluish-Green	
SBOO	I16	3-Jan-18	WAVE PER	15		sec
SBOO	I16	3-Jan-18	DEPART TIME	1211		
SBOO	I16	3-Jan-18	COMMENTS		Grab failure due to rocky bottom	

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I18	3-Jan-18	STN LONG DEG	117		
SBOO	I18	3-Jan-18	STN LONG MIN	9.675		
SBOO	I18	3-Jan-18	STN LAT DEG	32		
SBOO	I18	3-Jan-18	STN LAT MIN	32.168		
SBOO	I18	3-Jan-18	DEPTH METER	21		m
SBOO	I18	3-Jan-18	ARRIVE TIME	1244		
SBOO	I18	3-Jan-18	AIR TEMP	16		C
SBOO	I18	3-Jan-18	WIND SPEED	2		kts
SBOO	I18	3-Jan-18	WIND DIR		SE	
SBOO	I18	3-Jan-18	SED_TEMP(1)	15		
SBOO	I18	3-Jan-18	SED_DEPTH(1)	6		cm
SBOO	I18	3-Jan-18	SED_TYPE(1)		Fine sand with Silt	
SBOO	I18	3-Jan-18	VISIBILITY	1		mi
SBOO	I18	3-Jan-18	WEATHER DESC		Fog	
SBOO	I18	3-Jan-18	SEA STATE		Calm	
SBOO	I18	3-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I18	3-Jan-18	WATER COLOR CODE		Bluish-Green	
SBOO	I18	3-Jan-18	WAVE PER	15		sec
SBOO	I20	4-Jan-18	STN LONG DEG	117		
SBOO	I20	4-Jan-18	STN LONG MIN	15.4		
SBOO	I20	4-Jan-18	STN LAT DEG	32		
SBOO	I20	4-Jan-18	STN LAT MIN	33.423		
SBOO	I20	4-Jan-18	DEPTH METER	56		m
SBOO	I20	4-Jan-18	ARRIVE TIME	908		
SBOO	I20	4-Jan-18	AIR TEMP	15		C
SBOO	I20	4-Jan-18	WIND SPEED	4		kts
SBOO	I20	4-Jan-18	WIND DIR		NE	
SBOO	I20	4-Jan-18	SED_TEMP(1)	14		
SBOO	I20	4-Jan-18	SED_DEPTH(1)	11		cm
SBOO	I20	4-Jan-18	SED_TYPE(1)		Coarse sand	
SBOO	I20	4-Jan-18	VISIBILITY	4		mi
SBOO	I20	4-Jan-18	WEATHER DESC		Haze	
SBOO	I20	4-Jan-18	SEA STATE		Calm	
SBOO	I20	4-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I20	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I20	4-Jan-18	WAVE PER	12		sec
SBOO	I20	4-Jan-18	DEPART TIME	924		
SBOO	I20	4-Jan-18	COMMENTS			
SBOO	I21	4-Jan-18	STN LONG DEG	117		
SBOO	I21	4-Jan-18	STN LONG MIN	13.617		
SBOO	I21	4-Jan-18	STN LAT DEG	32		
SBOO	I21	4-Jan-18	STN LAT MIN	33.638		
SBOO	I21	4-Jan-18	DEPTH METER	42		m
SBOO	I21	4-Jan-18	ARRIVE TIME	849		
SBOO	I21	4-Jan-18	AIR TEMP	15		C
SBOO	I21	4-Jan-18	WIND SPEED	6		kts
SBOO	I21	4-Jan-18	WIND DIR		S	

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I21	4-Jan-18	SED_TEMP(1)	15		
SBOO	I21	4-Jan-18	SED_DEPTH(1)	11		cm
SBOO	I21	4-Jan-18	SED_TYPE(1)		Relict red sand	
SBOO	I21	4-Jan-18	VISIBILITY	4		mi
SBOO	I21	4-Jan-18	WEATHER DESC		Haze	
SBOO	I21	4-Jan-18	SEA STATE		Calm	
SBOO	I21	4-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I21	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I21	4-Jan-18	WAVE PER	12		sec
SBOO	I21	4-Jan-18	DEPART TIME	903		
SBOO	I21	4-Jan-18	COMMENTS			
SBOO	I22	4-Jan-18	STN LONG DEG	117		
SBOO	I22	4-Jan-18	STN LONG MIN	11.108		
SBOO	I22	4-Jan-18	STN LAT DEG	32		
SBOO	I22	4-Jan-18	STN LAT MIN	33.199		
SBOO	I22	4-Jan-18	DEPTH METER	30		m
SBOO	I22	4-Jan-18	ARRIVE TIME	828		
SBOO	I22	4-Jan-18	AIR TEMP	14		C
SBOO	I22	4-Jan-18	WIND SPEED	8		kts
SBOO	I22	4-Jan-18	WIND DIR		S	
SBOO	I22	4-Jan-18	SED_TEMP(1)	15		
SBOO	I22	4-Jan-18	SED_DEPTH(1)	8		cm
SBOO	I22	4-Jan-18	SED_TYPE(1)		Silt and Fine sand	
SBOO	I22	4-Jan-18	VISIBILITY	4		mi
SBOO	I22	4-Jan-18	WEATHER DESC		Haze	
SBOO	I22	4-Jan-18	SEA STATE		Calm	
SBOO	I22	4-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I22	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I22	4-Jan-18	WAVE PER	12		sec
SBOO	I22	4-Jan-18	DEPART TIME	838		
SBOO	I22	4-Jan-18	COMMENTS			
SBOO	I23	4-Jan-18	STN LONG DEG	117		
SBOO	I23	4-Jan-18	STN LONG MIN	9.922		
SBOO	I23	4-Jan-18	STN LAT DEG	32		
SBOO	I23	4-Jan-18	STN LAT MIN	33.06		
SBOO	I23	4-Jan-18	DEPTH METER	22		m
SBOO	I23	4-Jan-18	ARRIVE TIME	806		
SBOO	I23	4-Jan-18	AIR TEMP	14		C
SBOO	I23	4-Jan-18	WIND SPEED	2		kts
SBOO	I23	4-Jan-18	WIND DIR		N	
SBOO	I23	4-Jan-18	SED_TEMP(1)	16		
SBOO	I23	4-Jan-18	SED_DEPTH(1)	6		cm
SBOO	I23	4-Jan-18	SED_TYPE(1)		Silt and Fine sand	
SBOO	I23	4-Jan-18	VISIBILITY	4		mi
SBOO	I23	4-Jan-18	WEATHER DESC		Haze	
SBOO	I23	4-Jan-18	SEA STATE		Calm	
SBOO	I23	4-Jan-18	WAVE HEIGHT LOW	2		ft

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I23	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I23	4-Jan-18	WAVE PER	12		sec
SBOO	I23	4-Jan-18	DEPART TIME	820		
SBOO	I23	4-Jan-18	COMMENTS			
SBOO	I27	4-Jan-18	STN LONG DEG	117		
SBOO	I27	4-Jan-18	STN LONG MIN	11.471		
SBOO	I27	4-Jan-18	STN LAT DEG	32		
SBOO	I27	4-Jan-18	STN LAT MIN	34.443		
SBOO	I27	4-Jan-18	DEPTH METER	30		m
SBOO	I27	4-Jan-18	ARRIVE TIME	939		
SBOO	I27	4-Jan-18	AIR TEMP	16		C
SBOO	I27	4-Jan-18	WIND SPEED	1		kts
SBOO	I27	4-Jan-18	WIND DIR		NE	
SBOO	I27	4-Jan-18	SED_TEMP(1)	15		
SBOO	I27	4-Jan-18	SED_DEPTH(1)	6		cm
SBOO	I27	4-Jan-18	SED_TYPE(1)		Silt	
SBOO	I27	4-Jan-18	VISIBILITY	4		mi
SBOO	I27	4-Jan-18	WEATHER DESC		Haze	
SBOO	I27	4-Jan-18	SEA STATE		Calm	
SBOO	I27	4-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I27	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I27	4-Jan-18	WAVE PER	12		sec
SBOO	I27	4-Jan-18	DEPART TIME	951		
SBOO	I27	4-Jan-18	COMMENTS			
SBOO	I28	4-Jan-18	STN LONG DEG	117		
SBOO	I28	4-Jan-18	STN LONG MIN	15.831		
SBOO	I28	4-Jan-18	STN LAT DEG	32		
SBOO	I28	4-Jan-18	STN LAT MIN	35.629		
SBOO	I28	4-Jan-18	DEPTH METER	58		m
SBOO	I28	4-Jan-18	ARRIVE TIME	1051		
SBOO	I28	4-Jan-18	AIR TEMP	15		C
SBOO	I28	4-Jan-18	WIND SPEED	5		kts
SBOO	I28	4-Jan-18	WIND DIR		E	
SBOO	I28	4-Jan-18	SED_TEMP(1)	14		
SBOO	I28	4-Jan-18	SED_DEPTH(1)	7		cm
SBOO	I28	4-Jan-18	SED_TYPE(1)		Silt with Sand with Coarse sand	
SBOO	I28	4-Jan-18	VISIBILITY	6		mi
SBOO	I28	4-Jan-18	WEATHER DESC		Mostly clear	
SBOO	I28	4-Jan-18	SEA STATE		Calm	
SBOO	I28	4-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I28	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I28	4-Jan-18	WAVE PER	12		sec
SBOO	I28	4-Jan-18	DEPART TIME	1105		
SBOO	I28	4-Jan-18	COMMENTS			
SBOO	I29	4-Jan-18	STN LONG DEG	117		
SBOO	I29	4-Jan-18	STN LONG MIN	13.364		

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I29	4-Jan-18	STN LAT DEG	32		
SBOO	I29	4-Jan-18	STN LAT MIN	35.669		
SBOO	I29	4-Jan-18	DEPTH METER	39		m
SBOO	I29	4-Jan-18	ARRIVE TIME	1030		
SBOO	I29	4-Jan-18	AIR TEMP	16		C
SBOO	I29	4-Jan-18	WIND SPEED	5		kts
SBOO	I29	4-Jan-18	WIND DIR		NW	
SBOO	I29	4-Jan-18	SED_TEMP(1)	15		
SBOO	I29	4-Jan-18	SED_DEPTH(1)	14		cm
SBOO	I29	4-Jan-18	SED_TYPE(1)		Coarse sand	
SBOO	I29	4-Jan-18	VISIBILITY	6		mi
SBOO	I29	4-Jan-18	WEATHER DESC		Mostly clear	
SBOO	I29	4-Jan-18	SEA STATE		Calm	
SBOO	I29	4-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I29	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I29	4-Jan-18	WAVE PER	12		sec
SBOO	I29	4-Jan-18	DEPART TIME	1048		
SBOO	I29	4-Jan-18	COMMENTS			
SBOO	I30	4-Jan-18	STN LONG DEG	117		
SBOO	I30	4-Jan-18	STN LONG MIN	11.815		
SBOO	I30	4-Jan-18	STN LAT DEG	32		
SBOO	I30	4-Jan-18	STN LAT MIN	35.715		
SBOO	I30	4-Jan-18	DEPTH METER	29		m
SBOO	I30	4-Jan-18	ARRIVE TIME	1013		
SBOO	I30	4-Jan-18	AIR TEMP	16		C
SBOO	I30	4-Jan-18	WIND SPEED	3		kts
SBOO	I30	4-Jan-18	WIND DIR		SE	
SBOO	I30	4-Jan-18	SED_TEMP(1)	16		
SBOO	I30	4-Jan-18	SED_DEPTH(1)	7		cm
SBOO	I30	4-Jan-18	SED_TYPE(1)		Silt	
SBOO	I30	4-Jan-18	VISIBILITY	6		mi
SBOO	I30	4-Jan-18	WEATHER DESC		Mostly clear	
SBOO	I30	4-Jan-18	SEA STATE		Calm	
SBOO	I30	4-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I30	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I30	4-Jan-18	WAVE PER	12		sec
SBOO	I30	4-Jan-18	DEPART TIME	1024		
SBOO	I30	4-Jan-18	COMMENTS			
SBOO	I31	4-Jan-18	STN LONG DEG	117		
SBOO	I31	4-Jan-18	STN LONG MIN	10.319		
SBOO	I31	4-Jan-18	STN LAT DEG	32		
SBOO	I31	4-Jan-18	STN LAT MIN	35.732		
SBOO	I31	4-Jan-18	DEPTH METER	21		m
SBOO	I31	4-Jan-18	ARRIVE TIME	957		
SBOO	I31	4-Jan-18	AIR TEMP	16		C
SBOO	I31	4-Jan-18	WIND SPEED	2		kts
SBOO	I31	4-Jan-18	WIND DIR		NW	

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I31	4-Jan-18	SED_TEMP(1)	15		
SBOO	I31	4-Jan-18	SED_DEPTH(1)	6		cm
SBOO	I31	4-Jan-18	SED_TYPE(1)		Silt and Fine sand	
SBOO	I31	4-Jan-18	VISIBILITY	4		mi
SBOO	I31	4-Jan-18	WEATHER DESC		Haze	
SBOO	I31	4-Jan-18	SEA STATE		Calm	
SBOO	I31	4-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I31	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I31	4-Jan-18	WAVE PER	12		sec
SBOO	I31	4-Jan-18	DEPART TIME	1009		
SBOO	I31	4-Jan-18	COMMENTS			
SBOO	I33	4-Jan-18	VISIBILITY	6		mi
SBOO	I33	4-Jan-18	WEATHER DESC		Mostly clear	
SBOO	I33	4-Jan-18	SEA STATE		Calm	
SBOO	I33	4-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I33	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I33	4-Jan-18	WAVE PER	12		sec
SBOO	I33	4-Jan-18	DEPART TIME	1127		
SBOO	I33	4-Jan-18	COMMENTS			
SBOO	I33	4-Jan-18	STN LONG DEG	117		
SBOO	I33	4-Jan-18	STN LONG MIN	14.225		
SBOO	I33	4-Jan-18	STN LAT DEG	32		
SBOO	I33	4-Jan-18	STN LAT MIN	37.409		
SBOO	I33	4-Jan-18	DEPTH METER	32		m
SBOO	I33	4-Jan-18	ARRIVE TIME	1119		
SBOO	I33	4-Jan-18	AIR TEMP	16		C
SBOO	I33	4-Jan-18	WIND SPEED	7		kts
SBOO	I33	4-Jan-18	WIND DIR		NE	
SBOO	I33	4-Jan-18	SED_TEMP(1)	16		
SBOO	I33	4-Jan-18	SED_DEPTH(1)	7		cm
SBOO	I33	4-Jan-18	SED_TYPE(1)		Fine sand with Silt	
SBOO	I34	4-Jan-18	STN LONG DEG	117		
SBOO	I34	4-Jan-18	STN LONG MIN	12.958		
SBOO	I34	4-Jan-18	STN LAT DEG	32		
SBOO	I34	4-Jan-18	STN LAT MIN	37.799		
SBOO	I34	4-Jan-18	DEPTH METER	21		m
SBOO	I34	4-Jan-18	ARRIVE TIME	1131		
SBOO	I34	4-Jan-18	AIR TEMP	16		C
SBOO	I34	4-Jan-18	WIND SPEED	2		kts
SBOO	I34	4-Jan-18	WIND DIR		SW	
SBOO	I34	4-Jan-18	SED_TEMP(1)	16		
SBOO	I34	4-Jan-18	SED_DEPTH(1)	12		cm
SBOO	I34	4-Jan-18	SED_TYPE(1)		Coarse sand and Shell hash	
SBOO	I34	4-Jan-18	VISIBILITY	6		mi
SBOO	I34	4-Jan-18	WEATHER DESC		Mostly clear	
SBOO	I34	4-Jan-18	SEA STATE		Calm	
SBOO	I34	4-Jan-18	WAVE HEIGHT LOW	2		ft

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I34	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I34	4-Jan-18	WAVE PER	12		sec
SBOO	I34	4-Jan-18	DEPART TIME	1154		
SBOO	I34	4-Jan-18	COMMENTS			
SBOO	I35	4-Jan-18	STN LONG DEG	117		
SBOO	I35	4-Jan-18	STN LONG MIN	10.946		
SBOO	I35	4-Jan-18	STN LAT DEG	32		
SBOO	I35	4-Jan-18	STN LAT MIN	38.191		
SBOO	I35	4-Jan-18	DEPTH METER	21		m
SBOO	I35	4-Jan-18	ARRIVE TIME	1155		
SBOO	I35	4-Jan-18	AIR TEMP	17		C
SBOO	I35	4-Jan-18	WIND SPEED	3		kts
SBOO	I35	4-Jan-18	WIND DIR		SW	
SBOO	I35	4-Jan-18	SED_TEMP(1)	16		
SBOO	I35	4-Jan-18	SED_DEPTH(1)	7		cm
SBOO	I35	4-Jan-18	SED_TYPE(1)		Fine sand and Silt	
SBOO	I35	4-Jan-18	VISIBILITY	6		mi
SBOO	I35	4-Jan-18	WEATHER DESC		Mostly clear	
SBOO	I35	4-Jan-18	SEA STATE		Choppy	
SBOO	I35	4-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	I35	4-Jan-18	WATER COLOR CODE		Bluish-green	
SBOO	I35	4-Jan-18	WAVE PER	12		sec
SBOO	I35	4-Jan-18	DEPART TIME	1208		
SBOO	I35	4-Jan-18	COMMENTS			
SBOO	I2	24-Jul-18	GPS LONGITUDE	117.19895		
SBOO	I2	24-Jul-18	GPS LATITUDE	32.47334		
SBOO	I2	24-Jul-18	DEPTH METER	34		m
SBOO	I2	24-Jul-18	ARRIVE TIME	844		
SBOO	I2	24-Jul-18	AIR TEMP	20		C
SBOO	I2	24-Jul-18	WIND SPEED	18		kts
SBOO	I2	24-Jul-18	WIND DIR		SE	
SBOO	I2	24-Jul-18	SED_TEMP(1)	8		
SBOO	I2	24-Jul-18	SED_DEPTH(1)	7		cm
SBOO	I2	24-Jul-18	SED_TYPE(1)		Fine sand	
SBOO	I2	24-Jul-18	SED_COLOR(1)		Dark Brown	
SBOO	I2	24-Jul-18	SED_ODOR(1)		None	
SBOO	I2	24-Jul-18	VISIBILITY	6		mi
SBOO	I2	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I2	24-Jul-18	WEATHER DESC		Overcast	
SBOO	I2	24-Jul-18	WAVE HEIGHT LOW	6		ft
SBOO	I2	24-Jul-18	WAVE DIR		NW	
SBOO	I2	24-Jul-18	WAVE PER	16		sec
SBOO	I2	24-Jul-18	SEA STATE		Choppy	
SBOO	I2	24-Jul-18	DEPART TIME	854		
SBOO	I2	24-Jul-18	COMMENTS			
SBOO	I3	24-Jul-18	GPS LONGITUDE	117.16789		

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I3	24-Jul-18	GPS LATITUDE	32.46688		
SBOO	I3	24-Jul-18	DEPTH METER	29		m
SBOO	I3	24-Jul-18	ARRIVE TIME	820		
SBOO	I3	24-Jul-18	AIR TEMP	20		C
SBOO	I3	24-Jul-18	WIND SPEED	18		kts
SBOO	I3	24-Jul-18	WIND DIR		SE	
SBOO	I3	24-Jul-18	SED_TEMP(1)	8		
SBOO	I3	24-Jul-18	SED_DEPTH(1)	7		cm
SBOO	I3	24-Jul-18	SED_TYPE(1)		Coarse sand	
SBOO	I3	24-Jul-18	SED_COLOR(1)		Dark Brown	
SBOO	I3	24-Jul-18	SED_ODOR(1)		None	
SBOO	I3	24-Jul-18	VISIBILITY	6		mi
SBOO	I3	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I3	24-Jul-18	WEATHER DESC		Overcast	
SBOO	I3	24-Jul-18	WAVE HEIGHT LOW	6		ft
SBOO	I3	24-Jul-18	WAVE DIR		NW	
SBOO	I3	24-Jul-18	WAVE PER	16		sec
SBOO	I3	24-Jul-18	SEA STATE		Choppy	
SBOO	I3	24-Jul-18	DEPART TIME	835		
SBOO	I3	24-Jul-18	COMMENTS			
SBOO	I6	24-Jul-18	GPS LONGITUDE	117.16308		
SBOO	I6	24-Jul-18	GPS LATITUDE	32.49341		
SBOO	I6	24-Jul-18	DEPTH METER	27		m
SBOO	I6	24-Jul-18	ARRIVE TIME	906		
SBOO	I6	24-Jul-18	AIR TEMP	20		C
SBOO	I6	24-Jul-18	WIND SPEED	18		kts
SBOO	I6	24-Jul-18	WIND DIR		SE	
SBOO	I6	24-Jul-18	SED_TEMP(1)	8		
SBOO	I6	24-Jul-18	SED_DEPTH(1)	7		cm
SBOO	I6	24-Jul-18	SED_TYPE(1)		Coarse sand	
SBOO	I6	24-Jul-18	SED_COLOR(1)		Dark Brown	
SBOO	I6	24-Jul-18	SED_ODOR(1)		None	
SBOO	I6	24-Jul-18	VISIBILITY	6		mi
SBOO	I6	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I6	24-Jul-18	WEATHER DESC		Overcast	
SBOO	I6	24-Jul-18	WAVE HEIGHT LOW	6		ft
SBOO	I6	24-Jul-18	WAVE DIR		NW	
SBOO	I6	24-Jul-18	WAVE PER	16		sec
SBOO	I6	24-Jul-18	SEA STATE		Choppy	
SBOO	I6	24-Jul-18	DEPART TIME	915		
SBOO	I6	24-Jul-18	COMMENTS			
SBOO	I9	24-Jul-18	GPS LONGITUDE	117.17896		
SBOO	I9	24-Jul-18	GPS LATITUDE	32.5116		
SBOO	I9	24-Jul-18	DEPTH METER	30		m
SBOO	I9	24-Jul-18	ARRIVE TIME	921		
SBOO	I9	24-Jul-18	AIR TEMP	20		C
SBOO	I9	24-Jul-18	WIND SPEED	18		kts

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I9	24-Jul-18	WIND DIR		SE	
SBOO	I9	24-Jul-18	SED_TEMP(1)	8		
SBOO	I9	24-Jul-18	SED_DEPTH(1)	7		cm
SBOO	I9	24-Jul-18	SED_TYPE(1)		Silt/Clay	
SBOO	I9	24-Jul-18	SED_COLOR(1)		Dark Brown	
SBOO	I9	24-Jul-18	SED_ODOR(1)		None	
SBOO	I9	24-Jul-18	VISIBILITY	6		mi
SBOO	I9	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I9	24-Jul-18	WEATHER DESC		Overcast	
SBOO	I9	24-Jul-18	WAVE HEIGHT LOW	6		ft
SBOO	I9	24-Jul-18	WAVE DIR		NW	
SBOO	I9	24-Jul-18	WAVE PER	16		sec
SBOO	I9	24-Jul-18	SEA STATE		Choppy	
SBOO	I9	24-Jul-18	DEPART TIME	938		
SBOO	I9	24-Jul-18	COMMENTS			
SBOO	I12	24-Jul-18	GPS LONGITUDE	117.183		
SBOO	I12	24-Jul-18	GPS LATITUDE	32.53281		
SBOO	I12	24-Jul-18	DEPTH METER	30		m
SBOO	I12	24-Jul-18	ARRIVE TIME	947		
SBOO	I12	24-Jul-18	AIR TEMP	20		C
SBOO	I12	24-Jul-18	WIND SPEED	18		kts
SBOO	I12	24-Jul-18	WIND DIR		SE	
SBOO	I12	24-Jul-18	SED_TEMP(1)	8		
SBOO	I12	24-Jul-18	SED_DEPTH(1)	7		cm
SBOO	I12	24-Jul-18	SED_TYPE(1)		Fine sand	
SBOO	I12	24-Jul-18	SED_COLOR(1)		Dark Brown	
SBOO	I12	24-Jul-18	SED_ODOR(1)		None	
SBOO	I12	24-Jul-18	VISIBILITY	6		mi
SBOO	I12	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I12	24-Jul-18	WEATHER DESC		Overcast	
SBOO	I12	24-Jul-18	WAVE HEIGHT LOW	6		ft
SBOO	I12	24-Jul-18	WAVE DIR		NW	
SBOO	I12	24-Jul-18	WAVE PER	16		sec
SBOO	I12	24-Jul-18	SEA STATE		Choppy	
SBOO	I12	24-Jul-18	DEPART TIME	1009		
SBOO	I12	24-Jul-18	COMMENTS		SedTox station	
SBOO	I14	24-Jul-18	GPS LONGITUDE	117.18418		
SBOO	I14	24-Jul-18	GPS LATITUDE	32.54308		
SBOO	I14	24-Jul-18	DEPTH METER	3		m
SBOO	I14	24-Jul-18	ARRIVE TIME	1034		
SBOO	I14	24-Jul-18	AIR TEMP	21		C
SBOO	I14	24-Jul-18	WIND SPEED	1		kts
SBOO	I14	24-Jul-18	WIND DIR		NE	
SBOO	I14	24-Jul-18	SED_TEMP(1)	13		
SBOO	I14	24-Jul-18	SED_DEPTH(1)	5		cm
SBOO	I14	24-Jul-18	SED_TYPE(1)		Silt/Clay	
SBOO	I14	24-Jul-18	SED_COLOR(1)		Light Brown	

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I14	24-Jul-18	SED_ODOR(1)		None	
SBOO	I14	24-Jul-18	VISIBILITY	10		mi
SBOO	I14	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I14	24-Jul-18	WEATHER DESC		Clear	
SBOO	I14	24-Jul-18	WAVE HEIGHT LOW	5		ft
SBOO	I14	24-Jul-18	WAVE DIR		SW	
SBOO	I14	24-Jul-18	WAVE PER	16		sec
SBOO	I14	24-Jul-18	SEA STATE		Choppy	
SBOO	I14	24-Jul-18	DEPART TIME	1109		
SBOO	I14	24-Jul-18	COMMENTS		SedTox station	
SBOO	I15	24-Jul-18	GPS LONGITUDE	117.18902		
SBOO	I15	24-Jul-18	GPS LATITUDE	32.53786		
SBOO	I15	24-Jul-18	DEPTH METER	32		m
SBOO	I15	24-Jul-18	ARRIVE TIME	1014		
SBOO	I15	24-Jul-18	AIR TEMP	21		C
SBOO	I15	24-Jul-18	WIND SPEED	3		kts
SBOO	I15	24-Jul-18	WIND DIR		E	
SBOO	I15	24-Jul-18	SED_TEMP(1)	13		
SBOO	I15	24-Jul-18	SED_DEPTH(1)	5		cm
SBOO	I15	24-Jul-18	SED_TYPE(1)		Fine sand	
SBOO	I15	24-Jul-18	SED_COLOR(1)		Light Brown	
SBOO	I15	24-Jul-18	SED_ODOR(1)		None	
SBOO	I15	24-Jul-18	VISIBILITY	10		mi
SBOO	I15	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I15	24-Jul-18	WEATHER DESC		Clear	
SBOO	I15	24-Jul-18	WAVE HEIGHT LOW	5		ft
SBOO	I15	24-Jul-18	WAVE DIR		SW	
SBOO	I15	24-Jul-18	WAVE PER	16		sec
SBOO	I15	24-Jul-18	SEA STATE		Choppy	
SBOO	I15	24-Jul-18	DEPART TIME	1032		
SBOO	I15	24-Jul-18	COMMENTS		SedTox station	
SBOO	I16	24-Jul-18	GPS LONGITUDE	117.18311		
SBOO	I16	24-Jul-18	GPS LATITUDE	32.53781		
SBOO	I16	24-Jul-18	DEPTH METER	29		m
SBOO	I16	24-Jul-18	ARRIVE TIME	1110		
SBOO	I16	24-Jul-18	AIR TEMP	21		C
SBOO	I16	24-Jul-18	WIND SPEED	7		kts
SBOO	I16	24-Jul-18	WIND DIR		SE	
SBOO	I16	24-Jul-18	SED_TEMP(1)	13		
SBOO	I16	24-Jul-18	SED_DEPTH(1)	5		cm
SBOO	I16	24-Jul-18	SED_TYPE(1)		Fine sand	
SBOO	I16	24-Jul-18	SED_COLOR(1)		Light Brown	
SBOO	I16	24-Jul-18	SED_ODOR(1)		None	
SBOO	I16	24-Jul-18	VISIBILITY	10		mi
SBOO	I16	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I16	24-Jul-18	WEATHER DESC		Clear	
SBOO	I16	24-Jul-18	WAVE HEIGHT LOW	5		ft

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I16	24-Jul-18	WAVE DIR		SW	
SBOO	I16	24-Jul-18	WAVE PER	16		sec
SBOO	I16	24-Jul-18	SEA STATE		Choppy	
SBOO	I16	24-Jul-18	DEPART TIME	1136		
SBOO	I16	24-Jul-18	COMMENTS		SedTox station	
SBOO	I22	24-Jul-18	GPS LONGITUDE	117.18499		
SBOO	I22	24-Jul-18	GPS LATITUDE	32.55332		
SBOO	I22	24-Jul-18	DEPTH METER	29		m
SBOO	I22	24-Jul-18	ARRIVE TIME	1141		
SBOO	I22	24-Jul-18	AIR TEMP	21		C
SBOO	I22	24-Jul-18	WIND SPEED	6		kts
SBOO	I22	24-Jul-18	WIND DIR		SW	
SBOO	I22	24-Jul-18	SED_TEMP(1)	14		
SBOO	I22	24-Jul-18	SED_DEPTH(1)	5		cm
SBOO	I22	24-Jul-18	SED_TYPE(1)		Silt/Clay	
SBOO	I22	24-Jul-18	SED_COLOR(1)		Light Brown	
SBOO	I22	24-Jul-18	SED_ODOR(1)		None	
SBOO	I22	24-Jul-18	VISIBILITY	10		mi
SBOO	I22	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I22	24-Jul-18	WEATHER DESC		Clear	
SBOO	I22	24-Jul-18	WAVE HEIGHT LOW	5		ft
SBOO	I22	24-Jul-18	WAVE DIR		SW	
SBOO	I22	24-Jul-18	WAVE PER	16		sec
SBOO	I22	24-Jul-18	SEA STATE		Choppy	
SBOO	I22	24-Jul-18	DEPART TIME	1155		
SBOO	I22	24-Jul-18	COMMENTS		1 Kelletia kelletii	
SBOO	I27	24-Jul-18	GPS LONGITUDE	117.19093		
SBOO	I27	24-Jul-18	GPS LATITUDE	32.5742		
SBOO	I27	24-Jul-18	DEPTH METER	30		m
SBOO	I27	24-Jul-18	ARRIVE TIME	1202		
SBOO	I27	24-Jul-18	AIR TEMP	21		C
SBOO	I27	24-Jul-18	WIND SPEED	9		kts
SBOO	I27	24-Jul-18	WIND DIR		SW	
SBOO	I27	24-Jul-18	SED_TEMP(1)	13		
SBOO	I27	24-Jul-18	SED_DEPTH(1)	5		cm
SBOO	I27	24-Jul-18	SED_TYPE(1)		Silt/Clay	
SBOO	I27	24-Jul-18	SED_COLOR(1)		Light Brown	
SBOO	I27	24-Jul-18	SED_ODOR(1)		None	
SBOO	I27	24-Jul-18	VISIBILITY	11		mi
SBOO	I27	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I27	24-Jul-18	WEATHER DESC		Clear	
SBOO	I27	24-Jul-18	WAVE HEIGHT LOW	5		ft
SBOO	I27	24-Jul-18	WAVE DIR		SW	
SBOO	I27	24-Jul-18	WAVE PER	16		sec
SBOO	I27	24-Jul-18	SEA STATE		Choppy	
SBOO	I27	24-Jul-18	DEPART TIME	1214		
SBOO	I27	24-Jul-18	COMMENTS		2 Astropecten californicus	

Addendum 1A-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	I30	24-Jul-18	GPS LONGITUDE	117.197		
SBOO	I30	24-Jul-18	GPS LATITUDE	32.59535		
SBOO	I30	24-Jul-18	DEPTH METER	28		m
SBOO	I30	24-Jul-18	ARRIVE TIME	1222		
SBOO	I30	24-Jul-18	AIR TEMP	22		C
SBOO	I30	24-Jul-18	WIND SPEED	9		kts
SBOO	I30	24-Jul-18	WIND DIR		SW	
SBOO	I30	24-Jul-18	SED_TEMP(1)	13		
SBOO	I30	24-Jul-18	SED_DEPTH(1)	5		cm
SBOO	I30	24-Jul-18	SED_TYPE(1)		Fine sand	
SBOO	I30	24-Jul-18	SED_COLOR(1)		Light Brown	
SBOO	I30	24-Jul-18	SED_ODOR(1)		None	
SBOO	I30	24-Jul-18	VISIBILITY	11		mi
SBOO	I30	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I30	24-Jul-18	WEATHER DESC		Clear	
SBOO	I30	24-Jul-18	WAVE HEIGHT LOW	5		ft
SBOO	I30	24-Jul-18	WAVE DIR		SW	
SBOO	I30	24-Jul-18	WAVE PER	16		sec
SBOO	I30	24-Jul-18	SEA STATE		Choppy	
SBOO	I30	24-Jul-18	DEPART TIME	1233		
SBOO	I30	24-Jul-18	COMMENTS			
SBOO	I33	24-Jul-18	GPS LONGITUDE	117.23701		
SBOO	I33	24-Jul-18	GPS LATITUDE	32.62376		
SBOO	I33	24-Jul-18	DEPTH METER	30		m
SBOO	I33	24-Jul-18	ARRIVE TIME	1246		
SBOO	I33	24-Jul-18	AIR TEMP	22		C
SBOO	I33	24-Jul-18	WIND SPEED	12		kts
SBOO	I33	24-Jul-18	WIND DIR		S	
SBOO	I33	24-Jul-18	SED_TEMP(1)	12		
SBOO	I33	24-Jul-18	SED_DEPTH(1)	5		cm
SBOO	I33	24-Jul-18	SED_TYPE(1)		Silt/Clay	
SBOO	I33	24-Jul-18	SED_COLOR(1)		Dark Brown	
SBOO	I33	24-Jul-18	SED_ODOR(1)		None	
SBOO	I33	24-Jul-18	VISIBILITY	11		mi
SBOO	I33	24-Jul-18	WATER COLOR CODE		Green	
SBOO	I33	24-Jul-18	WEATHER DESC		Clear	
SBOO	I33	24-Jul-18	WAVE HEIGHT LOW	5		ft
SBOO	I33	24-Jul-18	WAVE DIR		SW	
SBOO	I33	24-Jul-18	WAVE PER	16		sec
SBOO	I33	24-Jul-18	SEA STATE		Choppy	
SBOO	I33	24-Jul-18	DEPART TIME	1259		
SBOO	I33	24-Jul-18	COMMENTS			

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Addendum 1B
Demersal Fishes and Megabenthic Invertebrates
2018 Visual Observations
PLOO and SBOO Stations

Addendum 1B-1

Visual observations from PLOO trawl stations sampled during 2018.

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	SD7	8-Jan-18	AIR TEMP	17		C
PLOO	SD7	8-Jan-18	WIND SPEED	3		kts
PLOO	SD7	8-Jan-18	WIND DIR		SW	
PLOO	SD7	8-Jan-18	START LONG DEG	117		
PLOO	SD7	8-Jan-18	START LONG MIN	18.296		
PLOO	SD7	8-Jan-18	START LAT DEG	32		
PLOO	SD7	8-Jan-18	START LAT MIN	34.931		
PLOO	SD7	8-Jan-18	START DEPTH METER	98		m
PLOO	SD7	8-Jan-18	END LONG DEG	117		
PLOO	SD7	8-Jan-18	END LONG MIN	18.459		
PLOO	SD7	8-Jan-18	END LAT DEG	32		
PLOO	SD7	8-Jan-18	END LAT MIN	35.121		
PLOO	SD7	8-Jan-18	END DEPTH METER	99		m
PLOO	SD7	8-Jan-18	DEPTH METER	98		m
PLOO	SD7	8-Jan-18	COMMENTS		11 min 30 seconds on bottom pressure probe	
PLOO	SD7	8-Jan-18	VISIBILITY	7		mi
PLOO	SD7	8-Jan-18	WEATHER DESC		Overcast	
PLOO	SD7	8-Jan-18	SEA STATE		Calm	
PLOO	SD7	8-Jan-18	WAVE HEIGHT LOW	3		ft
PLOO	SD7	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	SD7	8-Jan-18	WAVE PER	11-12		sec
PLOO	SD8	8-Jan-18	WIND SPEED	2		kts
PLOO	SD8	8-Jan-18	WIND DIR		E	
PLOO	SD8	8-Jan-18	START LONG DEG	117		
PLOO	SD8	8-Jan-18	START LONG MIN	19.213		
PLOO	SD8	8-Jan-18	START LAT DEG	32		
PLOO	SD8	8-Jan-18	START LAT MIN	37.347		
PLOO	SD8	8-Jan-18	START DEPTH METER	100		m
PLOO	SD8	8-Jan-18	END LONG DEG	117		
PLOO	SD8	8-Jan-18	END LONG MIN	19.402		
PLOO	SD8	8-Jan-18	END LAT DEG	32		
PLOO	SD8	8-Jan-18	END LAT MIN	37.564		
PLOO	SD8	8-Jan-18	END DEPTH METER	101		m
PL	SD8	8-Jan-18	DEPTH METER	100		m
PLOO	SD8	8-Jan-18	COMMENTS		12 min 40 seconds on bottom pressure probe	
PLOO	SD8	8-Jan-18	VISIBILITY	7		mi
PLOO	SD8	8-Jan-18	WEATHER DESC		Overcast	
PLOO	SD8	8-Jan-18	SEA STATE		Calm	
PLOO	SD8	8-Jan-18	WAVE HEIGHT LOW	3		ft
PLOO	SD8	8-Jan-18	WATER COLOR CODE		Blue	
PLOO	SD8	8-Jan-18	WAVE PER	11-12		sec
PLOO	SD8	8-Jan-18	AIR TEMP	17		C
PLOO	SD10	12-Jan-18	AIR TEMP	15		C
PLOO	SD10	12-Jan-18	WIND SPEED	7		kts
PLOO	SD10	12-Jan-18	WIND DIR		SW	
PLOO	SD10	12-Jan-18	START LONG DEG	117		

Addendum 1B-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	SD10	12-Jan-18	START LONG MIN	19.352		
PLOO	SD10	12-Jan-18	START LAT DEG	32		
PLOO	SD10	12-Jan-18	START LAT MIN	38.945		
PLOO	SD10	12-Jan-18	START DEPTH METER	96		m
PLOO	SD10	12-Jan-18	END LONG DEG	117		
PLOO	SD10	12-Jan-18	END LONG MIN	19.482		
PLOO	SD10	12-Jan-18	END LAT DEG	32		
PLOO	SD10	12-Jan-18	END LAT MIN	39.15		
PLOO	SD10	12-Jan-18	END DEPTH METER	98		m
PLOO	SD10	12-Jan-18	DEPTH METER	97	12 min 40 seconds on bottom according to pressure sensor	m
PLOO	SD10	12-Jan-18	COMMENTS			
PLOO	SD10	12-Jan-18	VISIBILITY	2		mi
PLOO	SD10	12-Jan-18	WEATHER DESC		Fog	
PLOO	SD10	12-Jan-18	SEA STATE		Calm	
PLOO	SD10	12-Jan-18	WAVE HEIGHT LOW	5		ft
PLOO	SD10	12-Jan-18	WATER COLOR CODE		Blue	
PLOO	SD10	12-Jan-18	WAVE PER	13-15		sec
PLOO	SD12	12-Jan-18	AIR TEMP			C
PLOO	SD12	12-Jan-18	WIND SPEED			kts
PLOO	SD12	12-Jan-18	WIND DIR	S		
PLOO	SD12	12-Jan-18	START LONG DEG			
PLOO	SD12	12-Jan-18	START LONG MIN			
PLOO	SD12	12-Jan-18	START LAT DEG			
PLOO	SD12	12-Jan-18	START LAT MIN			
PLOO	SD12	12-Jan-18	START DEPTH METER			m
PLOO	SD12	12-Jan-18	END LONG DEG			
PLOO	SD12	12-Jan-18	END LONG MIN			
PLOO	SD12	12-Jan-18	END LAT DEG			
PLOO	SD12	12-Jan-18	END LAT MIN			
PLOO	SD12	12-Jan-18	END DEPTH METER			m
PLOO	SD12	12-Jan-18	DEPTH METER		11 min 30 seconds on bottom pressure sensor	m
PLOO	SD12	12-Jan-18	COMMENTS			
PLOO	SD12	12-Jan-18	VISIBILITY			mi
PLOO	SD12	12-Jan-18	WEATHER DESC		Fog	
PLOO	SD12	12-Jan-18	SEA STATE		Calm	
PLOO	SD12	12-Jan-18	WAVE HEIGHT LOW			ft
PLOO	SD12	12-Jan-18	WATER COLOR CODE		Blue	
PLOO	SD12	12-Jan-18	WAVE PER		13-15	sec
PLOO	SD13	12-Jan-18	AIR TEMP			C
PLOO	SD13	12-Jan-18	WIND SPEED			kts
PLOO	SD13	12-Jan-18	WIND DIR		W	
PLOO	SD13	12-Jan-18	START LONG DEG			
PLOO	SD13	12-Jan-18	START LONG MIN			
PLOO	SD13	12-Jan-18	START LAT DEG			
PLOO	SD13	12-Jan-18	START LAT MIN			
PLOO	SD13	12-Jan-18	START DEPTH METER			m
PLOO	SD13	12-Jan-18	END LONG DEG			
PLOO	SD13	12-Jan-18	END LONG MIN			

Addendum 1B-1 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
PLOO	SD13	12-Jan-18	END LAT DEG			
PLOO	SD13	12-Jan-18	END LAT MIN			
PLOO	SD13	12-Jan-18	END DEPTH METER			m
PLOO	SD13	12-Jan-18	DEPTH METER		13 minutes 10 seconds on bottom	m
PLOO	SD13	12-Jan-18	COMMENTS			
PLOO	SD13	12-Jan-18	VISIBILITY			mi
PLOO	SD13	12-Jan-18	WEATHER DESC		Fog	
PLOO	SD13	12-Jan-18	SEA STATE		Calm	
PLOO	SD13	12-Jan-18	WAVE HEIGHT LOW			ft
PLOO	SD13	12-Jan-18	WATER COLOR CODE		Blue	
PLOO	SD13	12-Jan-18	WAVE PER		13-15	sec
PLOO	SD14	12-Jan-18	AIR TEMP			C
PLOO	SD14	12-Jan-18	WIND SPEED			kts
PLOO	SD14	12-Jan-18	WIND DIR		S	
PLOO	SD14	12-Jan-18	START LONG DEG			
PLOO	SD14	12-Jan-18	START LONG MIN			
PLOO	SD14	12-Jan-18	START LAT DEG			
PLOO	SD14	12-Jan-18	START LAT MIN			
PLOO	SD14	12-Jan-18	START DEPTH METER			m
PLOO	SD14	12-Jan-18	END LONG DEG			
PLOO	SD14	12-Jan-18	END LONG MIN			
PLOO	SD14	12-Jan-18	END LAT DEG			
PLOO	SD14	12-Jan-18	END LAT MIN			
PLOO	SD14	12-Jan-18	END DEPTH METER			m
PLOO	SD14	12-Jan-18	DEPTH METER		.035 nm from station when trawl completed; 11 min 40 seconds on bottom according to pressure sensor;	m
PLOO	SD14	12-Jan-18	COMMENTS			
PLOO	SD14	12-Jan-18	VISIBILITY			mi
PLOO	SD14	12-Jan-18	WEATHER DESC	Fog		
PLOO	SD14	12-Jan-18	SEA STATE	Calm		
PLOO	SD14	12-Jan-18	WAVE HEIGHT LOW			ft
PLOO	SD14	12-Jan-18	WATER COLOR CODE	Blue		
PLOO	SD14	12-Jan-18	WAVE PER	13-15		sec

Addendum 1B-2

Visual observations from SBOO trawl stations sampled during 2018.

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	SD15	5-Jan-18	AIR TEMP	17		C
SBOO	SD15	5-Jan-18	WIND SPEED	2		kts
SBOO	SD15	5-Jan-18	WIND DIR		NE	
SBOO	SD15	5-Jan-18	START LONG DEG	117		
SBOO	SD15	5-Jan-18	START LONG MIN	10.45		
SBOO	SD15	5-Jan-18	START LAT DEG	32		
SBOO	SD15	5-Jan-18	START LAT MIN	28.289		
SBOO	SD15	5-Jan-18	START DEPTH METER	29		m
SBOO	SD15	5-Jan-18	END LONG DEG	117		
SBOO	SD15	5-Jan-18	END LONG MIN	10.679		
SBOO	SD15	5-Jan-18	END LAT DEG	32		
SBOO	SD15	5-Jan-18	END LAT MIN	28.623		
SBOO	SD15	5-Jan-18	END DEPTH METER	30		m
SBOO	SD15	5-Jan-18	DEPTH METER	30	12 min 30 seconds on bottom pressure probe	m
SBOO	SD15	5-Jan-18	COMMENTS			
SBOO	SD15	5-Jan-18	VISIBILITY	10		mi
SBOO	SD15	5-Jan-18	WEATHER DESC		Clear	
SBOO	SD15	5-Jan-18	SEA STATE		Calm	
SBOO	SD15	5-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	SD15	5-Jan-18	WATER COLOR CODE		Green	
SBOO	SD15	5-Jan-18	WAVE PER	9-10		sec
SBOO	SD16	5-Jan-18	AIR TEMP	16		C
SBOO	SD16	5-Jan-18	WIND SPEED	3		kts
SBOO	SD16	5-Jan-18	WIND DIR		NW	
SBOO	SD16	5-Jan-18	START LONG DEG	117		
SBOO	SD16	5-Jan-18	START LONG MIN	10.617		
SBOO	SD16	5-Jan-18	START LAT DEG	32		
SBOO	SD16	5-Jan-18	START LAT MIN	30.854		
SBOO	SD16	5-Jan-18	START DEPTH METER	30		m
SBOO	SD16	5-Jan-18	END LONG DEG	117		
SBOO	SD16	5-Jan-18	END LONG MIN	10.891		
SBOO	SD16	5-Jan-18	END LAT DEG	32		
SBOO	SD16	5-Jan-18	END LAT MIN	31.216		
SBOO	SD16	5-Jan-18	END DEPTH METER	31		m
SBOO	SD16	5-Jan-18	DEPTH METER	30	11 min 50 sec on bottom pres- sure probe	m
SBOO	SD16	5-Jan-18	COMMENTS			
SBOO	SD16	5-Jan-18	VISIBILITY	10		mi
SBOO	SD16	5-Jan-18	WEATHER DESC		Clear	
SBOO	SD16	5-Jan-18	SEA STATE		Calm	
SBOO	SD16	5-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	SD16	5-Jan-18	WATER COLOR CODE		Green	
SBOO	SD16	5-Jan-18	WAVE PER	9-10		sec
SBOO	SD17	5-Jan-18	AIR TEMP	16		C
SBOO	SD17	5-Jan-18	WIND SPEED	6		kts

Addendum 1B-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	SD17	5-Jan-18	WIND DIR		NW	
SBOO	SD17	5-Jan-18	START LONG DEG	117		
SBOO	SD17	5-Jan-18	START LONG MIN	11.246		
SBOO	SD17	5-Jan-18	START LAT DEG	32		
SBOO	SD17	5-Jan-18	START LAT MIN	31.605		
SBOO	SD17	5-Jan-18	START DEPTH METER	33		m
SBOO	SD17	5-Jan-18	END LONG DEG	117		
SBOO	SD17	5-Jan-18	END LONG MIN	11.304		
SBOO	SD17	5-Jan-18	END LAT DEG	32		
SBOO	SD17	5-Jan-18	END LAT MIN	31.95		
SBOO	SD17	5-Jan-18	END DEPTH METER	33		m
SBOO	SD17	5-Jan-18	DEPTH METER	33		m
					11min 40 sec 0n bottom pres-	
SBOO	SD17	5-Jan-18	COMMENTS		sure probe	
SBOO	SD17	5-Jan-18	VISIBILITY	10		mi
SBOO	SD17	5-Jan-18	WEATHER DESC		Clear	
SBOO	SD17	5-Jan-18	SEA STATE		Calm	
SBOO	SD17	5-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	SD17	5-Jan-18	WATER COLOR CODE		Blue-Green	
SBOO	SD17	5-Jan-18	WAVE PER	9-10		sec
SBOO	SD18	5-Jan-18	AIR TEMP	16		C
SBOO	SD18	5-Jan-18	WIND SPEED	11		kts
SBOO	SD18	5-Jan-18	WIND DIR		W	
SBOO	SD18	5-Jan-18	START LONG DEG	117		
SBOO	SD18	5-Jan-18	START LONG MIN	11.329		
SBOO	SD18	5-Jan-18	START LAT DEG	32		
SBOO	SD18	5-Jan-18	START LAT MIN	32.443		
SBOO	SD18	5-Jan-18	START DEPTH METER	33		m
SBOO	SD18	5-Jan-18	END LONG DEG	117		
SBOO	SD18	5-Jan-18	END LONG MIN	11.392		
SBOO	SD18	5-Jan-18	END LAT DEG	32		
SBOO	SD18	5-Jan-18	END LAT MIN	32.765		
SBOO	SD18	5-Jan-18	END DEPTH METER	32		m
SBOO	SD18	5-Jan-18	DEPTH METER	32		m
					13 minutes 30 seconds on bot-	
SBOO	SD18	5-Jan-18	COMMENTS		tom from pressure probe	
SBOO	SD18	5-Jan-18	VISIBILITY	10		mi
SBOO	SD18	5-Jan-18	WEATHER DESC		Clear	
SBOO	SD18	5-Jan-18	SEA STATE		Calm	
SBOO	SD18	5-Jan-18	WAVE HEIGHT LOW	2		ft
SBOO	SD18	5-Jan-18	WATER COLOR CODE		Blue-Green	
SBOO	SD18	5-Jan-18	WAVE PER	9-10		sec
SBOO	SD19	8-Jan-18	AIR TEMP	16		C
SBOO	SD19	8-Jan-18	WIND SPEED	3		kts
SBOO	SD19	8-Jan-18	WIND DIR		N	
SBOO	SD19	8-Jan-18	START LONG DEG	117		
SBOO	SD19	8-Jan-18	START LONG MIN	10.991		

Addendum 1B-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	SD19	8-Jan-18	START LAT DEG	32		
SBOO	SD19	8-Jan-18	START LAT MIN	33.374		
SBOO	SD19	8-Jan-18	START DEPTH METER	28		m
SBOO	SD19	8-Jan-18	END LONG DEG	117		
SBOO	SD19	8-Jan-18	END LONG MIN	11.241		
SBOO	SD19	8-Jan-18	END LAT DEG	32		
SBOO	SD19	8-Jan-18	END LAT MIN	33.672		
SBOO	SD19	8-Jan-18	END DEPTH METER	30		m
SBOO	SD19	8-Jan-18	DEPTH METER	29	12 min 50 seconds on bottom pressure probe	m
SBOO	SD19	8-Jan-18	COMMENTS			
SBOO	SD19	8-Jan-18	VISIBILITY	7		mi
SBOO	SD19	8-Jan-18	WEATHER DESC		Overcast	
SBOO	SD19	8-Jan-18	SEA STATE		Calm	
SBOO	SD19	8-Jan-18	WAVE HEIGHT LOW	3		ft
SBOO	SD19	8-Jan-18	WATER COLOR CODE		Greenish-Blue	
SBOO	SD19	8-Jan-18	WAVE PER	11-12		sec
SBOO	SD20	8-Jan-18	AIR TEMP	16		C
SBOO	SD20	8-Jan-18	WIND SPEED	2		kts
SBOO	SD20	8-Jan-18	WIND DIR		W	
SBOO	SD20	8-Jan-18	START LONG DEG	117		
SBOO	SD20	8-Jan-18	START LONG MIN	11.437		
SBOO	SD20	8-Jan-18	START LAT DEG	32		
SBOO	SD20	8-Jan-18	START LAT MIN	34.708		
SBOO	SD20	8-Jan-18	START DEPTH METER	29		m
SBOO	SD20	8-Jan-18	END LONG DEG	117		
SBOO	SD20	8-Jan-18	END LONG MIN	11.589		
SBOO	SD20	8-Jan-18	END LAT DEG	32		
SBOO	SD20	8-Jan-18	END LAT MIN	34.947		
SBOO	SD20	8-Jan-18	END DEPTH METER	29		m
SBOO	SD20	8-Jan-18	DEPTH METER	29	11 min 10 seconds on bottom pressure probe	m
SBOO	SD20	8-Jan-18	COMMENTS			

Addendum 1B-2 *continued*

PROJECT	STATION	DATE	PARMCODE	VALUE	TEXT_FIELD	UNITS
SBOO	SD20	8-Jan-18	VISIBILITY	7		mi
SBOO	SD20	8-Jan-18	WEATHER DESC		Overcast	
SBOO	SD20	8-Jan-18	SEA STATE		Calm	
SBOO	SD20	8-Jan-18	WAVE HEIGHT LOW	3		ft
SBOO	SD20	8-Jan-18	WATER COLOR CODE		Greenish-Blue	
SBOO	SD20	8-Jan-18	WAVE PER	11-12		sec
SBOO	SD21	8-Jan-18	AIR TEMP	16		C
SBOO	SD21	8-Jan-18	WIND SPEED	2		kts
SBOO	SD21	8-Jan-18	WIND DIR		SE	
SBOO	SD21	8-Jan-18	START LONG DEG	117		
SBOO	SD21	8-Jan-18	START LONG MIN	12.707		
SBOO	SD21	8-Jan-18	START LAT DEG	32		
SBOO	SD21	8-Jan-18	START LAT MIN	37.021		
SBOO	SD21	8-Jan-18	START DEPTH METER	29		m
SBOO	SD21	8-Jan-18	END LONG DEG	117		
SBOO	SD21	8-Jan-18	END LONG MIN	12.863		
SBOO	SD21	8-Jan-18	END LAT DEG	32		
SBOO	SD21	8-Jan-18	END LAT MIN	37.273		
SBOO	SD21	8-Jan-18	END DEPTH METER	28		m
SBOO	SD21	8-Jan-18	DEPTH METER	28		m
SBOO	SD21	8-Jan-18	COMMENTS		13 min 10 seconds on bottom pressure probe	
SBOO	SD21	8-Jan-18	VISIBILITY	7		mi
SBOO	SD21	8-Jan-18	WEATHER DESC		Overcast	
SBOO	SD21	8-Jan-18	SEA STATE		Calm	
SBOO	SD21	8-Jan-18	WAVE HEIGHT LOW	3		ft
SBOO	SD21	8-Jan-18	WATER COLOR CODE		Greenish-Blue	
SBOO	SD21	8-Jan-18	WAVE PER	11-12		sec

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